

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028572.D
 Acq On : 10 Dec 2018 23:38
 Operator : MD/SY
 Sample : J6325-10MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MSD

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:10:19 PM

Quant Time: Dec 11 04:34:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	80099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	144475	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	65164	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	67195	54.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.94%	
35) Dibromofluoromethane	4.88	113	47973	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
50) Toluene-d8	7.56	98	185625	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	10.30	95	68424	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	54881	51.118	ug/l	100
3) Chloromethane	1.33	50	100549	50.941	ug/l	99
4) Vinyl Chloride	1.40	62	73384	51.518	ug/l	100
5) Bromomethane	1.61	94	29788	51.914	ug/l	98
6) Chloroethane	1.69	64	41414	51.356	ug/l	99
7) Trichlorofluoromethane	1.88	101	76276	50.896	ug/l	99
8) Diethyl Ether	2.10	74	34602	49.349	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	47145	52.599	ug/l	99
10) Methyl Iodide	2.41	142	39872	56.694	ug/l	99
11) Tert butyl alcohol	2.83	59	82243	301.989	ug/l	99
12) 1,1-Dichloroethene	2.28	96	45402	50.910	ug/l	98
13) Acrolein	2.19	56	51498	237.203	ug/l	99
14) Allyl chloride	2.59	41	105656	50.080	ug/l	98
15) Acrylonitrile	2.94	53	210325	278.173	ug/l	99
16) Acetone	2.32	43	173810	217.903	ug/l	100
17) Carbon Disulfide	2.48	76	155135	48.287	ug/l	99
18) Methyl Acetate	2.61	43	111588	53.967	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	177554	52.519	ug/l	99
20) Methylene Chloride	2.70	84	56279	47.862	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	49500	49.298	ug/l	98
22) Diisopropyl ether	3.57	45	221593	54.012	ug/l	97
23) Vinyl Acetate	3.52	43	851503	251.620	ug/l	98
24) 1,1-Dichloroethane	3.45	63	112081	52.189	ug/l	99
25) 2-Butanone	4.26	43	292135	267.998	ug/l	98
26) 2,2-Dichloropropane	4.22	77	76531	44.974	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	63106	55.527	ug/l	99
28) Bromochloromethane	4.55	49	55703	57.055	ug/l	96
29) Tetrahydrofuran	4.64	42	199406	284.832	ug/l	98
30) Chloroform	4.67	83	100909	53.911	ug/l	99
31) Cyclohexane	4.99	56	107809	51.477	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	81026	52.122	ug/l	99
36) 1,1-Dichloropropene	5.13	75	75123	47.517	ug/l	100
37) Ethyl Acetate	4.38	43	103313	50.551	ug/l	99
38) Carbon Tetrachloride	5.13	117	62732	49.230	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	87237	45.230	ug/l	97
40) Benzene	5.39	78	232358	49.902	ug/l	99
41) Methacrylonitrile	4.54	41	61998	55.393	ug/l	97
42) 1,2-Dichloroethane	5.40	62	82970	50.906	ug/l	100
43) Isopropyl Acetate	5.55	43	164548	50.903	ug/l	99
44) Trichloroethene	6.18	130	232909	224.963	ug/l	99
45) 1,2-Dichloropropane	6.43	63	67828	51.801	ug/l	96
46) Dibromomethane	6.56	93	39137	50.376	ug/l	99
47) Bromodichloromethane	6.76	83	75840	50.165	ug/l	98
48) Methyl methacrylate	6.62	41	88644	55.142	ug/l	98
49) 1,4-Dioxane	6.61	88	33382	1315.139	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	555516	272.470	ug/l	97
52) Toluene	7.64	92	135412	49.414	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	89566	49.744	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	93691	47.962	ug/l	97
55) 1,1,2-Trichloroethane	8.06	97	55134	50.898	ug/l	94
56) Ethyl methacrylate	8.02	69	95788	51.638	ug/l	97
57) 1,3-Dichloropropane	8.24	76	102736	51.092	ug/l	99
59) 2-Hexanone	8.36	43	429420	265.734	ug/l	99
60) Dibromochloromethane	8.48	129	52520	49.521	ug/l	100
61) 1,2-Dibromoethane	8.58	107	57907	50.977	ug/l	100
64) Tetrachloroethene	8.22	164	56406	62.768	ug/l	98
65) Chlorobenzene	9.12	112	139243	48.503	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	47840	52.184	ug/l	99
67) Ethyl Benzene	9.25	91	259232	49.120	ug/l	98
68) m/p-Xylenes	9.37	106	188744	98.286	ug/l	98
69) o-Xylene	9.78	106	93442	50.071	ug/l	99
70) Stvrene	9.79	104	153208	49.608	ug/l	99
71) Bromoform	9.96	173	40242	51.601	ug/l #	97
73) Isopropylbenzene	10.16	105	248090	49.615	ug/l	99
74) N-amyl acetate	10.01	43	138780	48.116	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	101470	52.826	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	89705m	53.910	ug/l	
77) Bromobenzene	10.45	156	58146	49.721	ug/l	99
78) n-propylbenzene	10.58	91	300801	48.412	ug/l	100
79) 2-Chlorotoluene	10.66	91	177444	49.579	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	205514	49.652	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	30235m	44.731	ug/l	
82) 4-Chlorotoluene	10.77	91	203861	48.067	ug/l	100
83) tert-Butylbenzene	11.10	119	198954	49.869	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	211772	49.646	ug/l	100
85) sec-Butylbenzene	11.32	105	249565	48.694	ug/l	100
86) p-Isopropyltoluene	11.48	119	207237	47.600	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	104873	47.493	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	104749	45.849	ug/l	99
89) n-Butylbenzene	11.89	91	199178	45.205	ug/l	100
90) Hexachloroethane	12.14	117	31499	47.867	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	107519	48.677	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	22822	54.880	ug/l	98
93) 1,2,4-Trichlorobenzene	13.50	180	68320	45.096	ug/l	97

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QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	31030	42.887	ug/l	98
95) Naphthalene	13.74	128	251212	47.396	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	70695	46.808	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

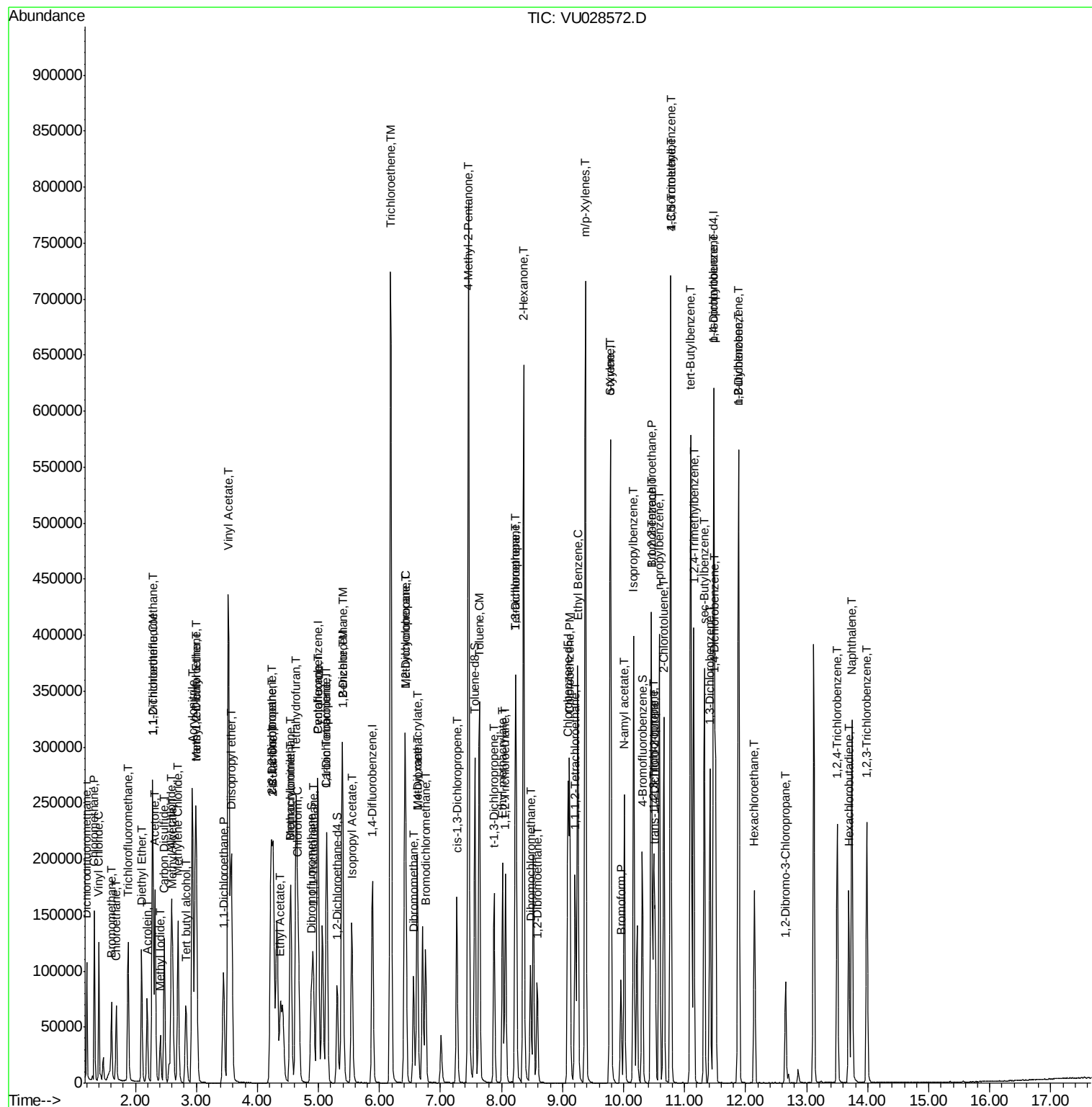
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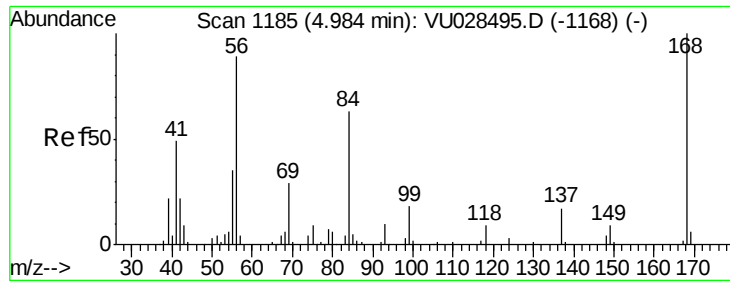
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MSD

Tot Ion:168 Resp: 80099

Ion Ratio Lower Upper

168 100

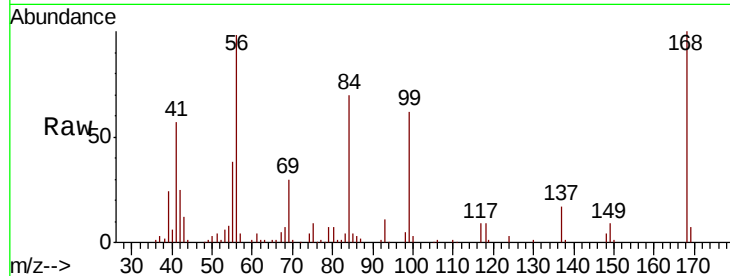
99 61.0 46.6 69.8

Manual Integrations

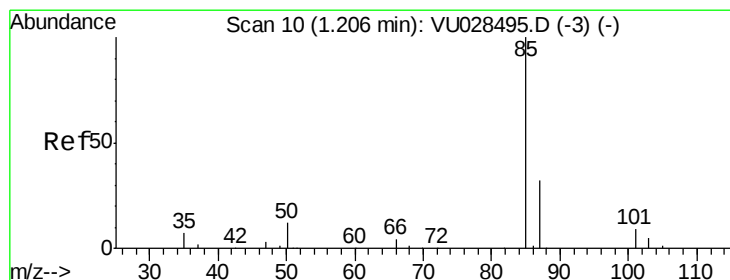
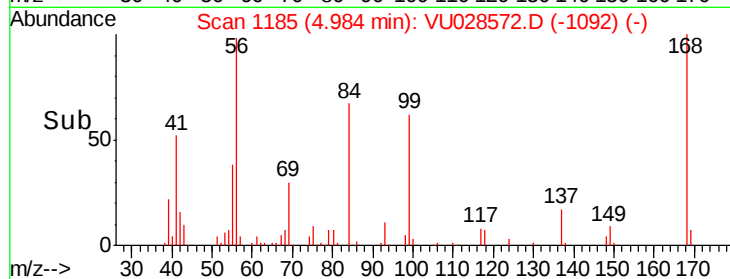
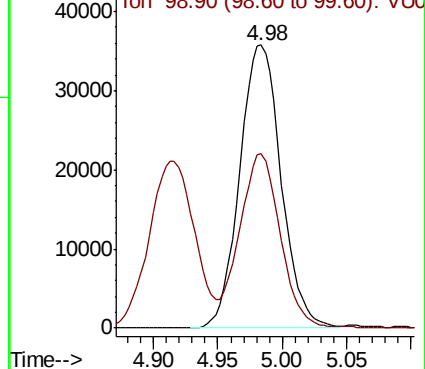
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Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)



#2

Dichlorodifluoromethane

Concen: 51.118 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028572.D

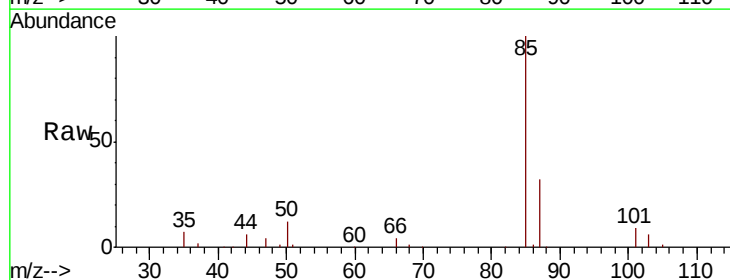
Acq: 10 Dec 2018 23:38

Tgt Ion: 85 Resp: 54881

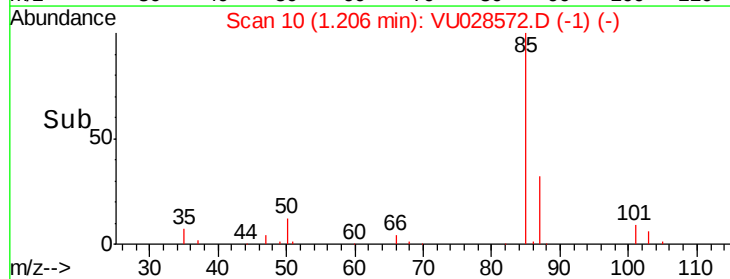
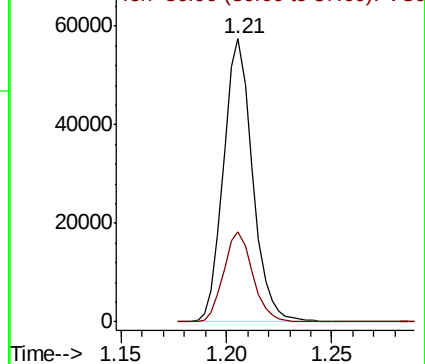
Ion Ratio Lower Upper

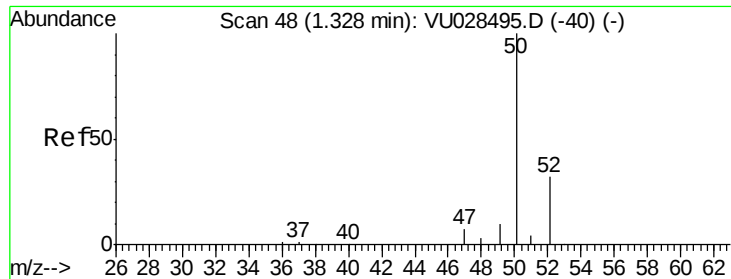
85 100

87 31.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)





#3

Chloromethane

Concen: 50.941 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MSD

Tot Ion: 50 Resp: 100549

Ion Ratio Lower Upper

50 100

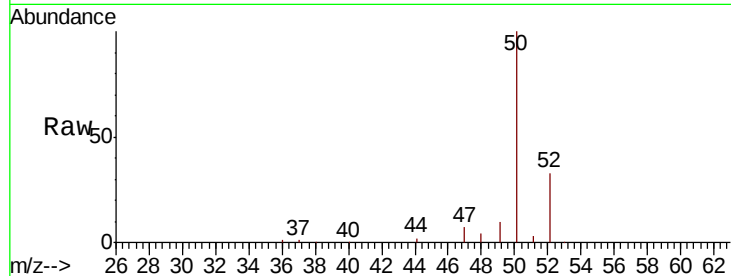
52 32.5 25.5 38.3

Manual Integrations

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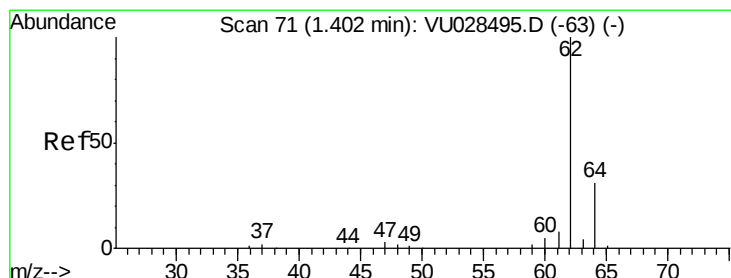
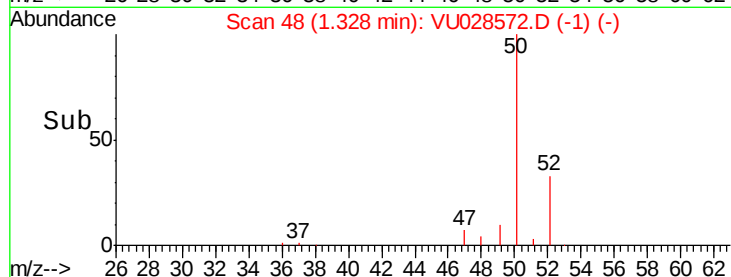
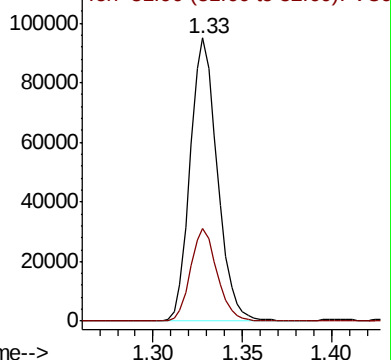
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 51.518 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028572.D

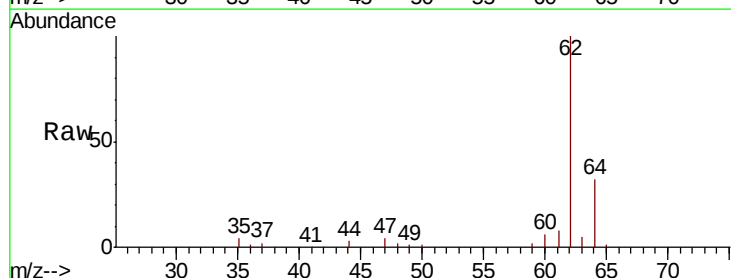
Acq: 10 Dec 2018 23:38

Tgt Ion: 62 Resp: 73384

Ion Ratio Lower Upper

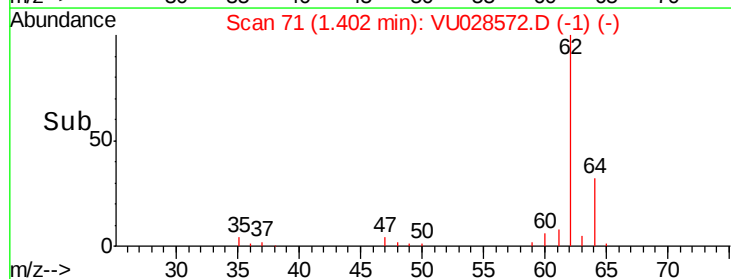
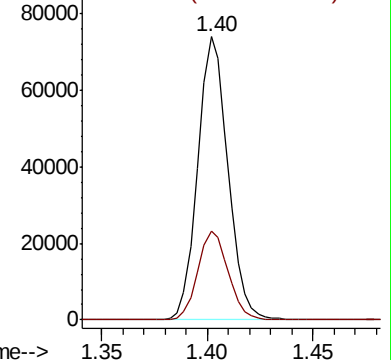
62 100

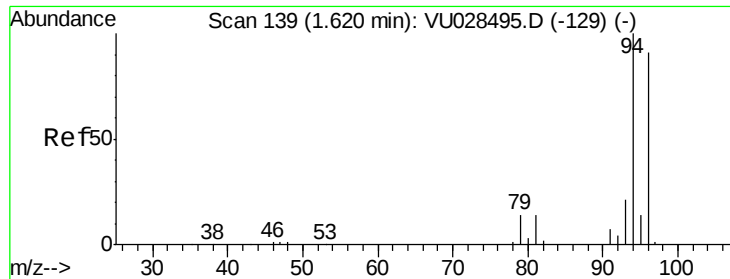
64 31.6 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





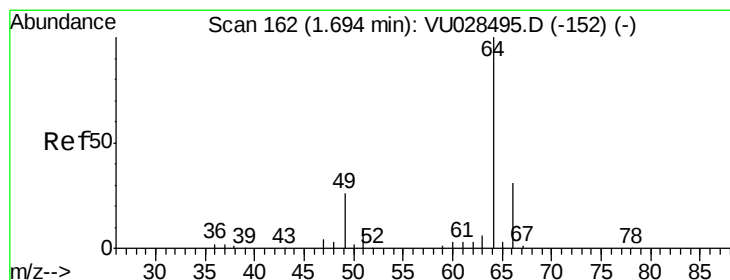
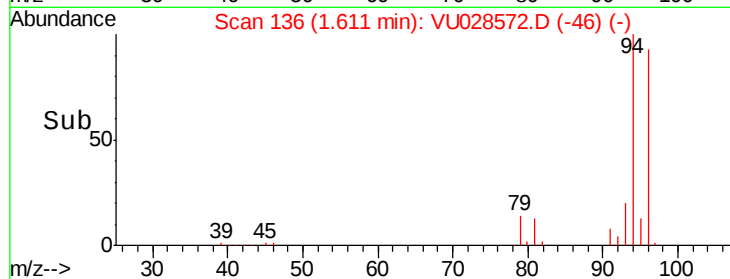
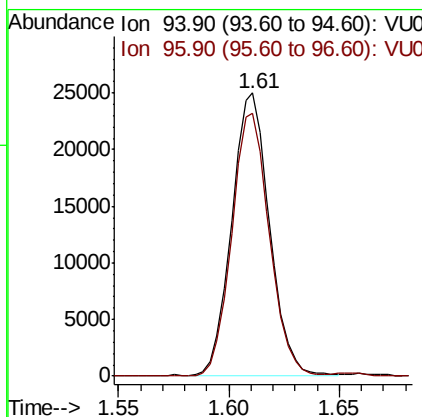
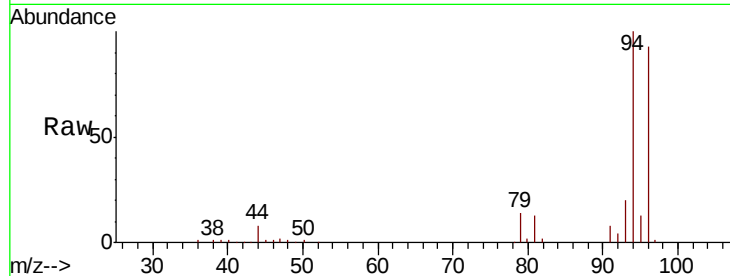
#5
Bromomethane
Concen: 51.914 ug/l
RT: 1.61 min Scan# 136
Delta R.T. -0.01 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

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Tot Ion: 94 Resp: 29788
Ion Ratio Lower Upper
94 100
96 93.0 73.2 109.8

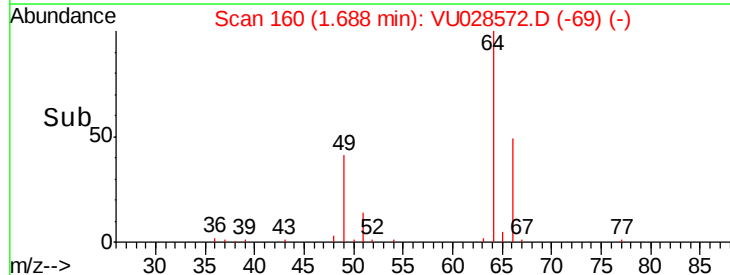
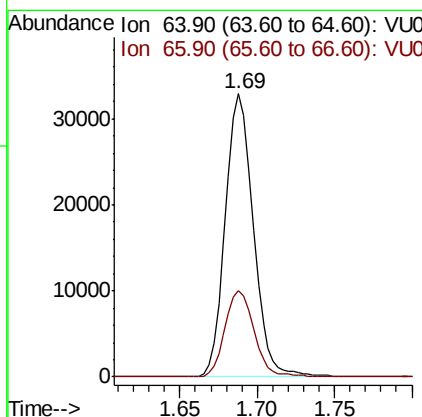
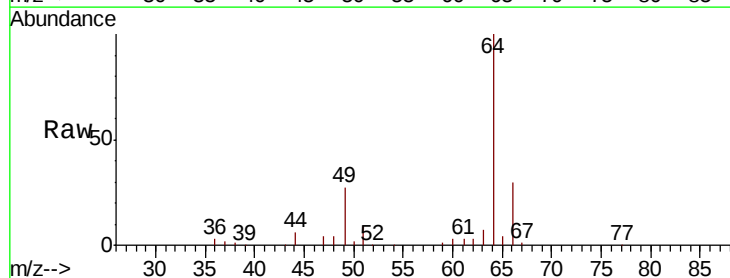
Manual Integrations
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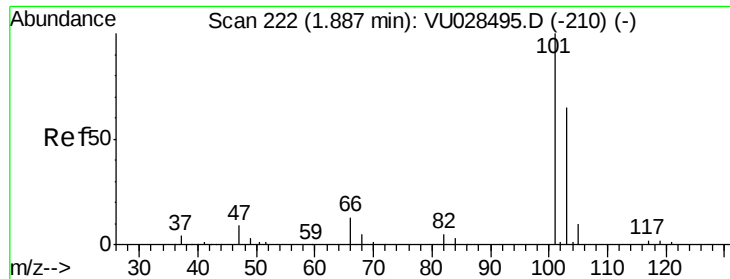
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#6
Chloroethane
Concen: 51.356 ug/l
RT: 1.69 min Scan# 160
Delta R.T. -0.01 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Tgt Ion: 64 Resp: 41414
Ion Ratio Lower Upper
64 100
66 30.5 25.0 37.6





#7

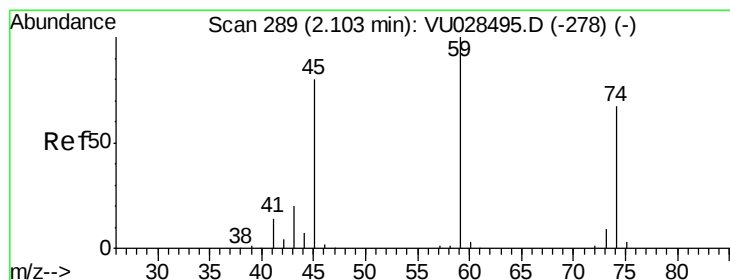
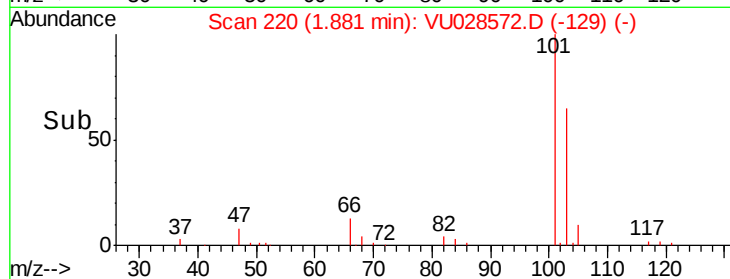
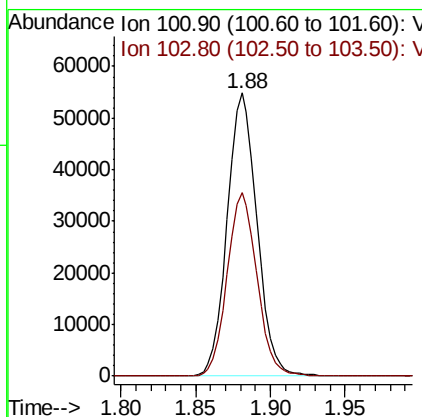
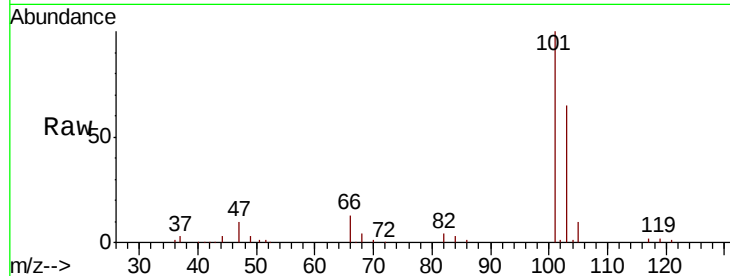
Trichlorofluoromethane
Concen: 50.896 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.01 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Instrument :
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Tot Ion:101 Resp: 76276
Ion Ratio Lower Upper
101 100
103 64.6 52.3 78.5

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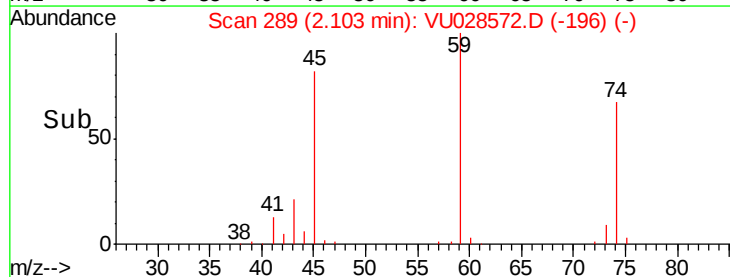
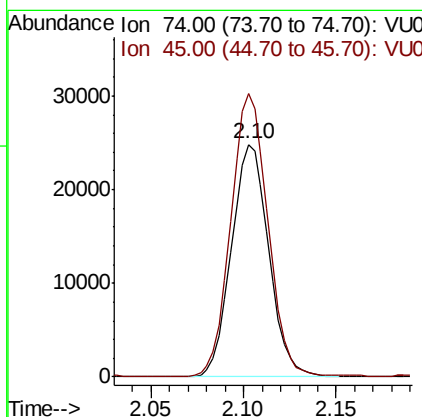
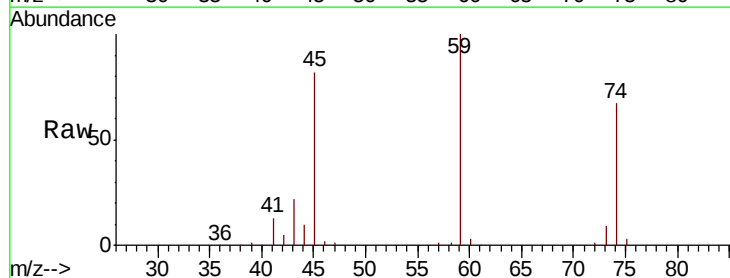
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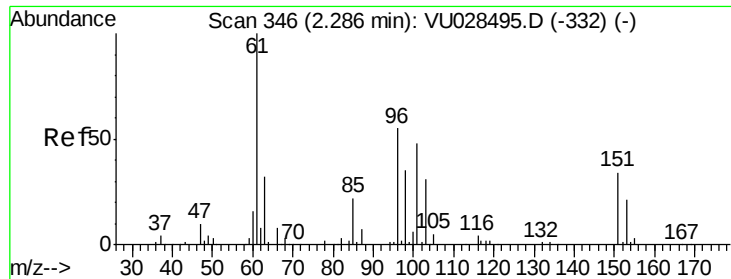


#8

Diethyl Ether
Concen: 49.349 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Tgt Ion: 74 Resp: 34602
Ion Ratio Lower Upper
74 100
45 121.4 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.599 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Instrument :

MSVOA_U

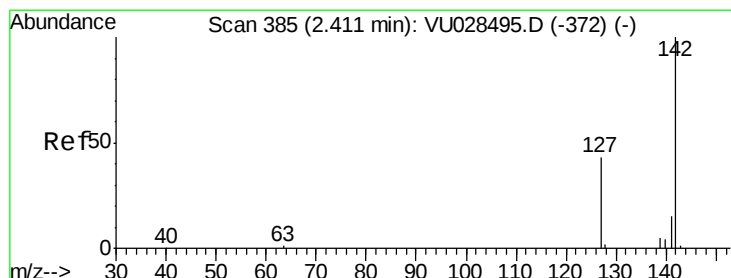
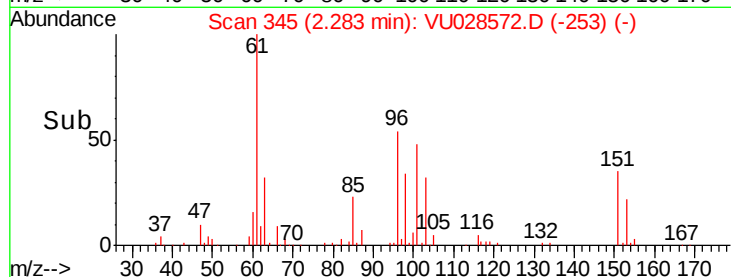
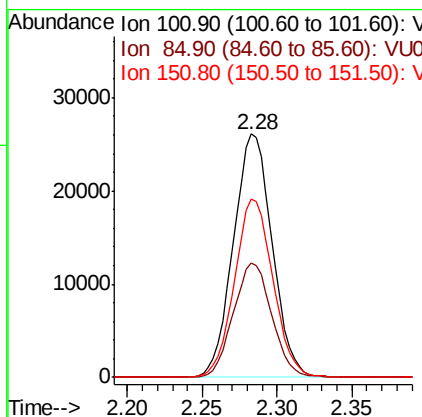
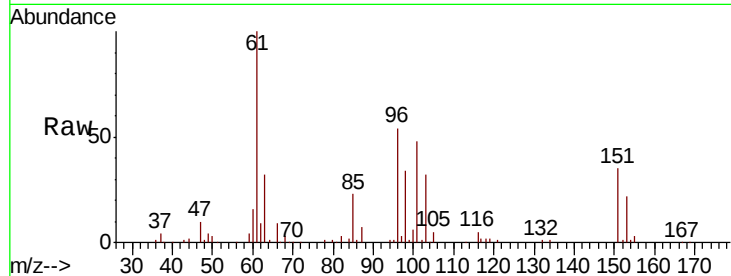
ClientSampleId :

RE-131D1-20181205MSD

Tot Ion:	101	Resp:	47145
Ion Ratio	Lower	Upper	
101	100		
85	46.5	36.4	54.6
151	72.5	58.2	87.2

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#10

Methyl Iodide

Concen: 56.694 ug/l

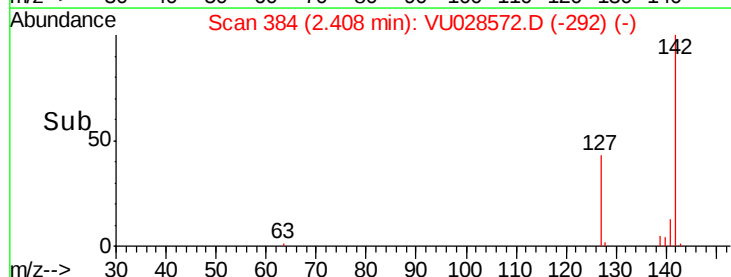
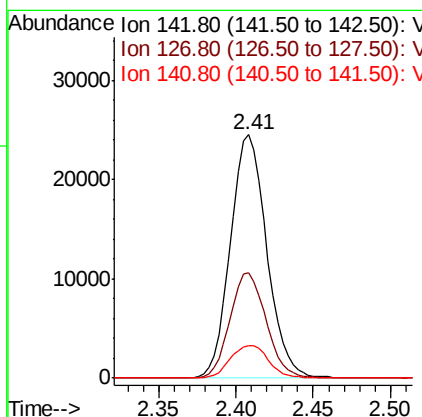
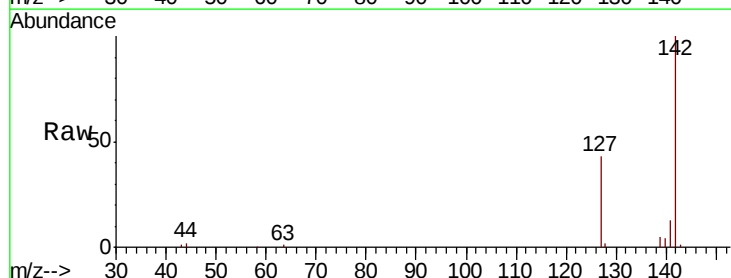
RT: 2.41 min Scan# 384

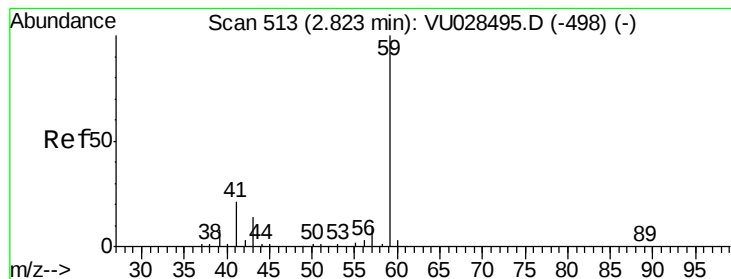
Delta R.T. -0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Tgt Ion:	142	Resp:	39872
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.5	50.3
141	14.1	11.2	16.8





#11

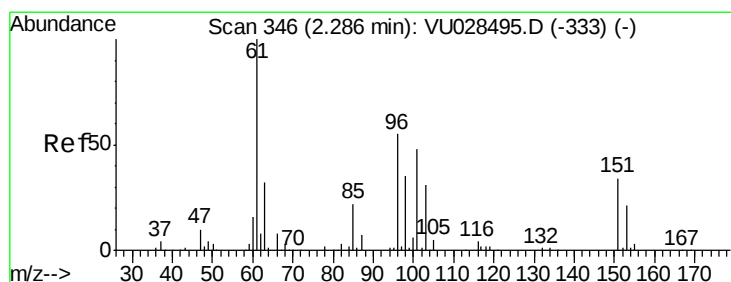
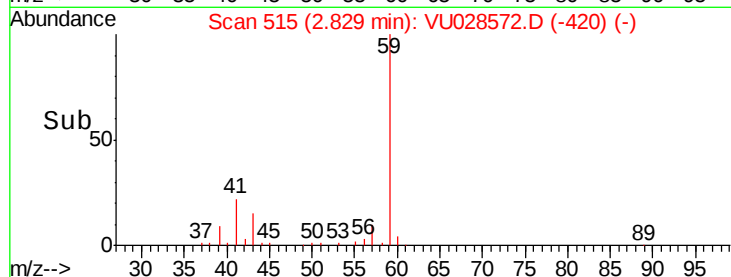
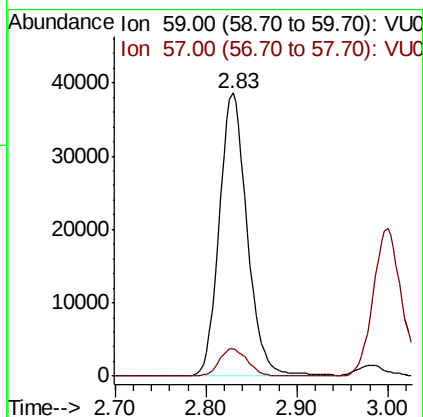
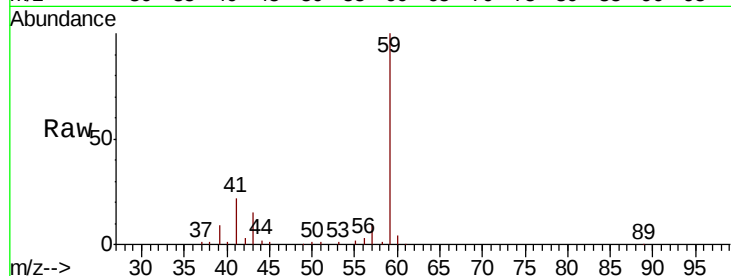
Tert butyl alcohol
 Concen: 301.989 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.01 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.0	12.0

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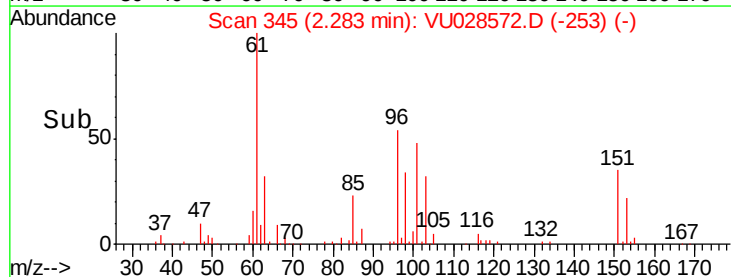
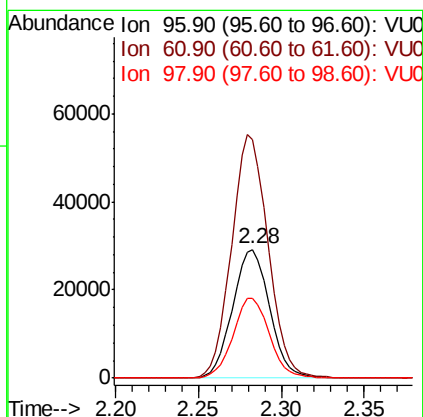
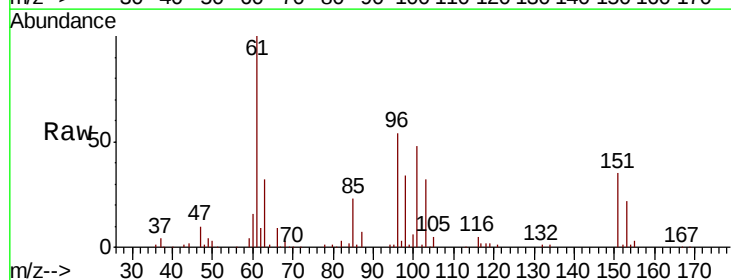
MMDadoda
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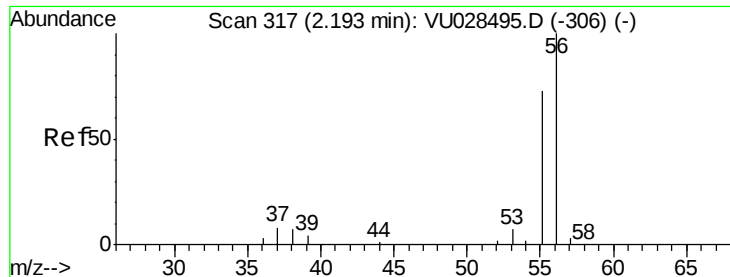


#12

1,1-Dichloroethene
 Concen: 50.910 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.9	146.4	219.6
98	62.4	51.8	77.8





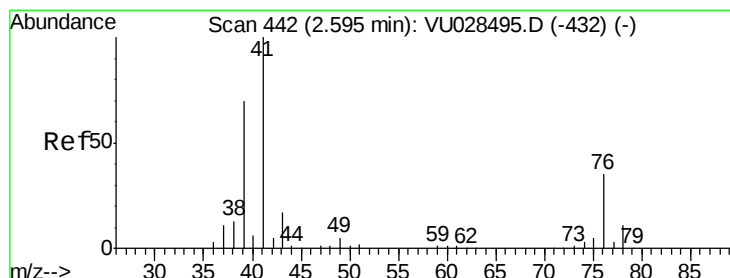
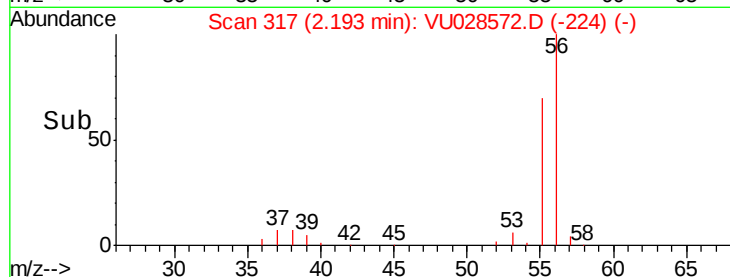
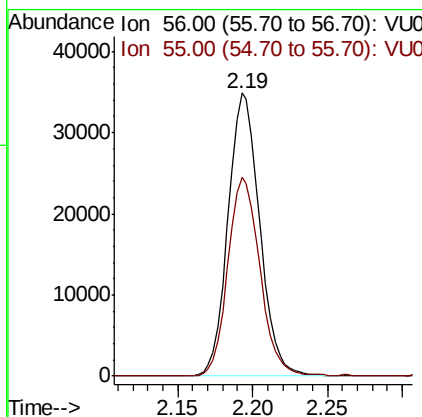
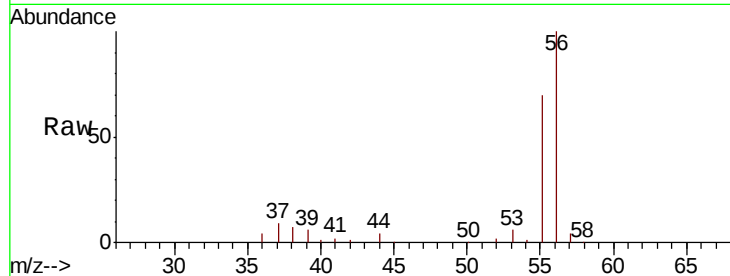
#13
Acrolein
Concen: 237.203 ug/l
RT: 2.19 min Scan# 317
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MSD

Tot Ion	56	Resp	51498
Ion Ratio	100	Lower	Upper
55	71.0	57.5	86.3

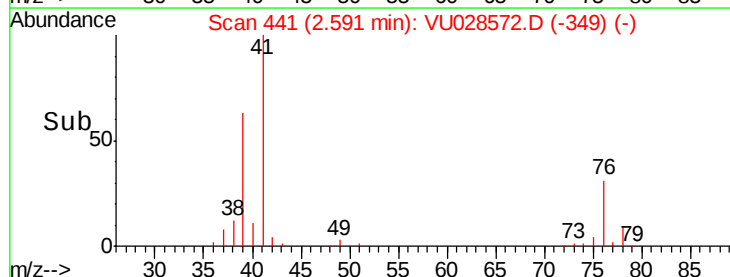
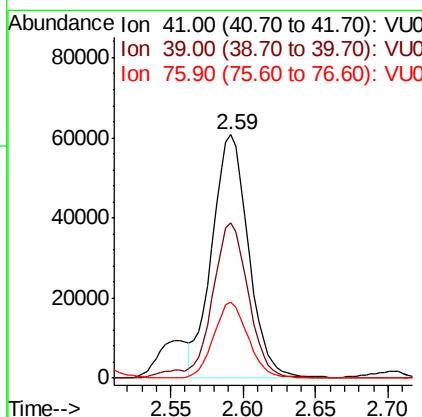
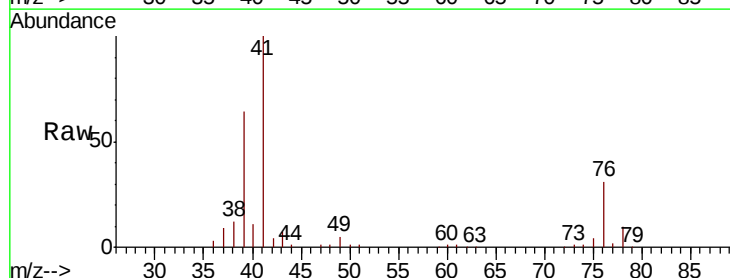
Manual Integrations
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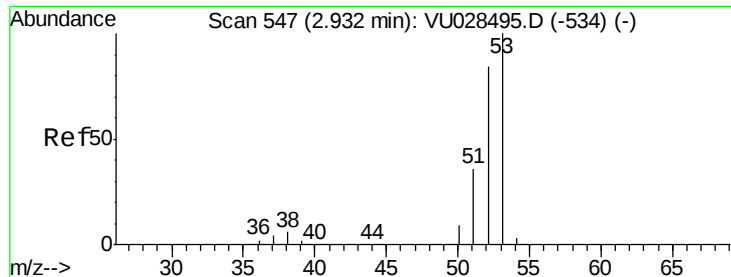
MMDadoda
12/11/2018 12:10:19 PM



#14
Allyl chloride
Concen: 50.080 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Tgt Ion	41	Resp	105656
Ion Ratio	100	Lower	Upper
39	64.3	50.8	76.2
76	29.5	24.8	37.2





#15

Acrylonitrile

Concen: 278.173 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Instrument :

MSVOA_U

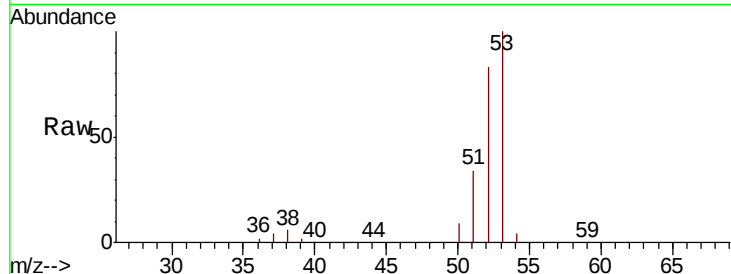
ClientSampleId :

RE-131D1-20181205MSD

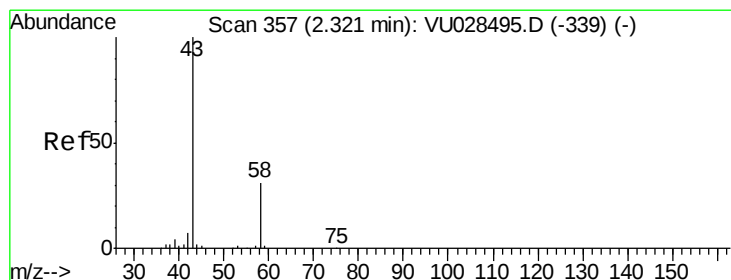
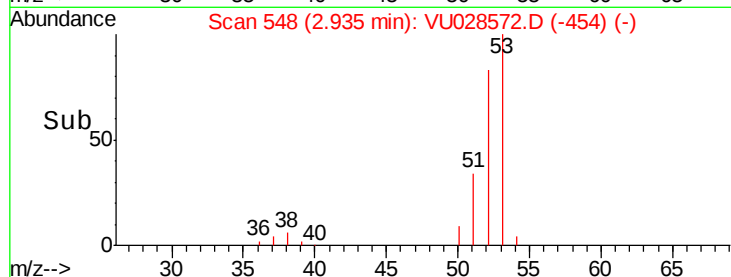
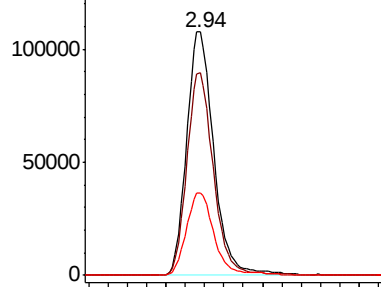
Tot Ion:	53	Resp:	210325
Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.1	99.1
51	34.9	28.1	42.1

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 217.903 ug/l

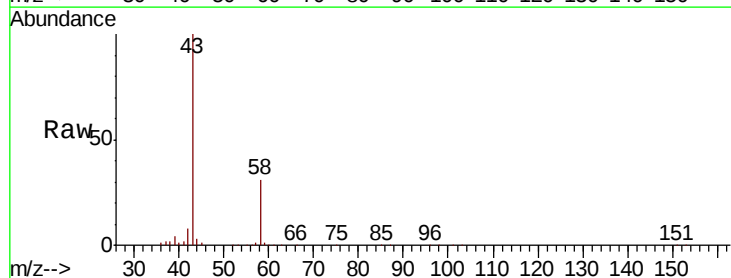
RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

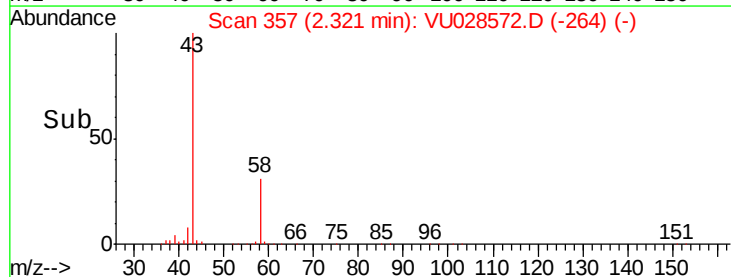
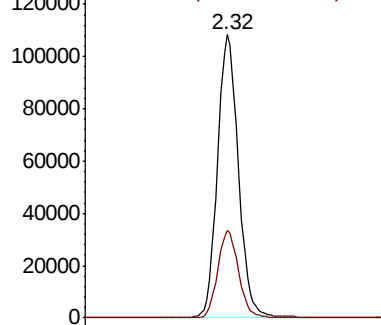
Lab File: VU028572.D

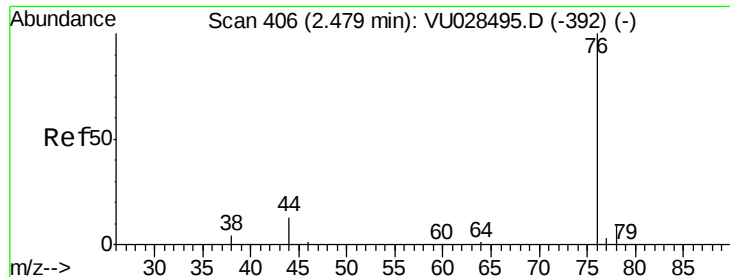
Acq: 10 Dec 2018 23:38

Tgt Ion:	43	Resp:	173810
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.6	37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 48.287 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MSD

Tot Ion: 76 Resp: 155135

Ion Ratio Lower Upper

76 100

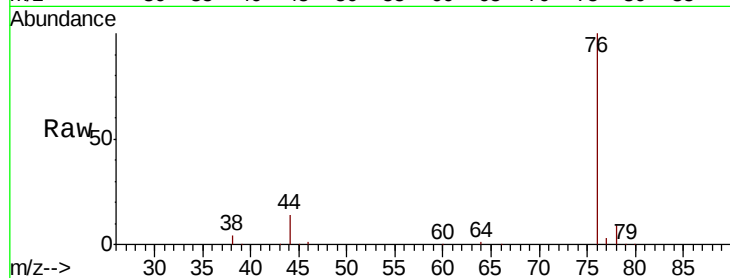
78 9.3 7.2 10.8

Manual Integrations

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12/11/2018 12:10:19 PM



Abundance Ion 75.90 (75.60 to 76.60): VU028495.D (-392) (-)

Ion 77.90 (77.60 to 78.60): VU028572.D (-313) (-)

2.48

100000

80000

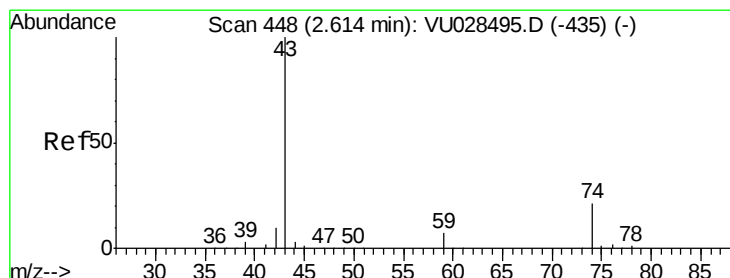
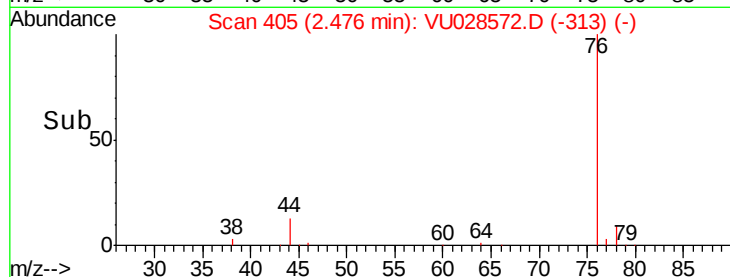
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 53.967 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028572.D

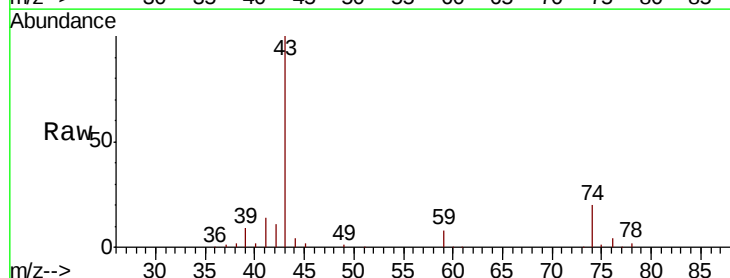
Acq: 10 Dec 2018 23:38

Tgt Ion: 43 Resp: 111588

Ion Ratio Lower Upper

43 100

74 19.3 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU028572.D (-355) (-)

2.61

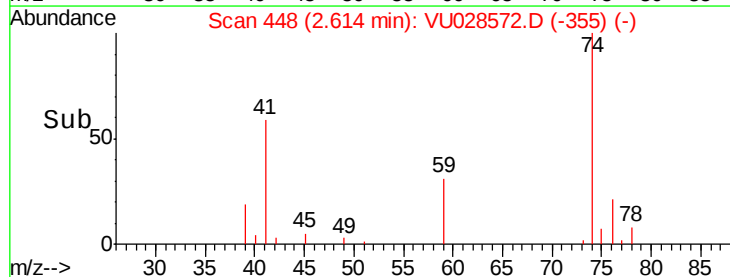
60000

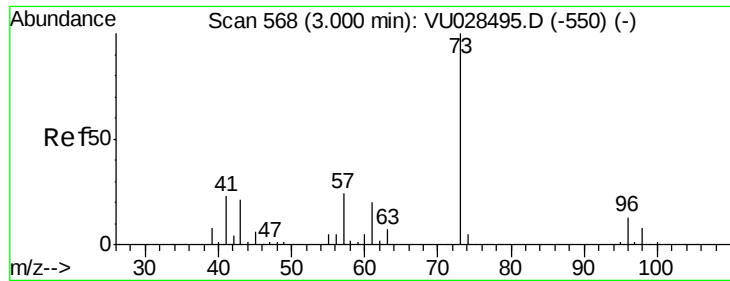
40000

20000

0

Time-->





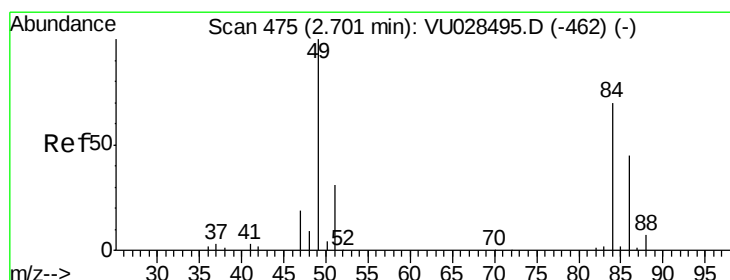
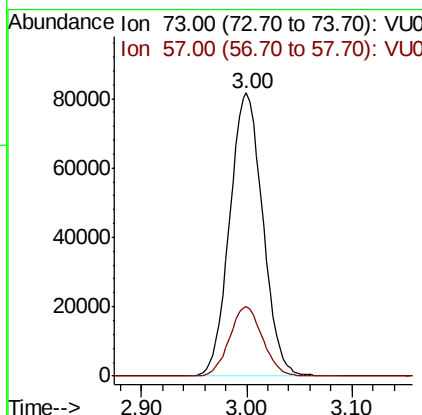
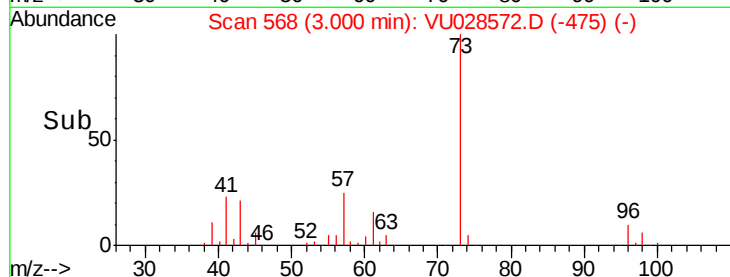
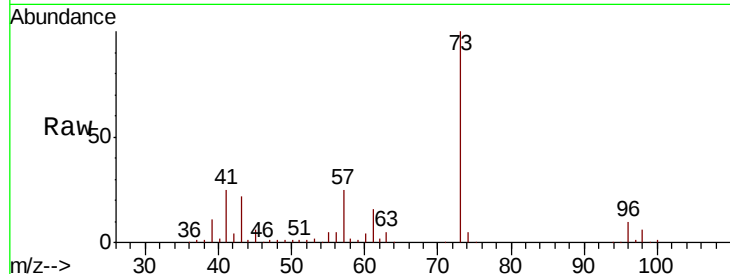
#19
Methvl tert-butvl Ether
Concen: 52.519 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MSD

Tot Ion: 73 Resp: 177554
Ion Ratio Lower Upper
73 100
57 24.7 19.4 29.2

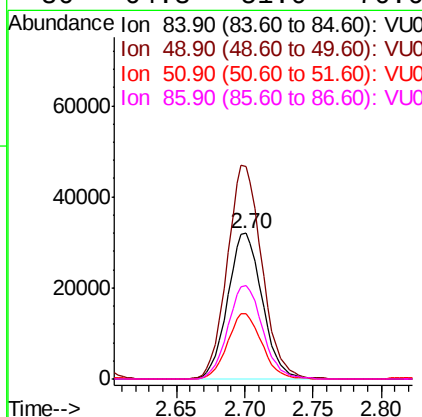
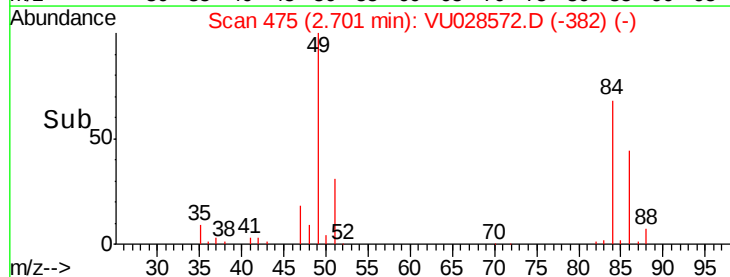
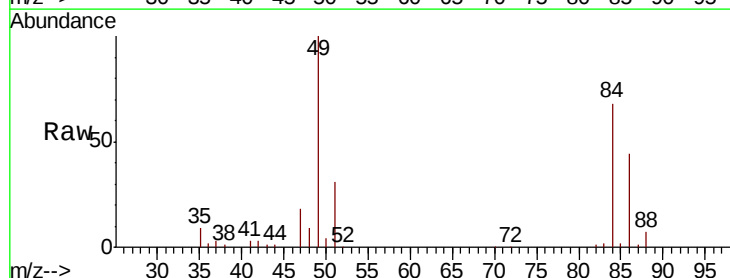
Manual Integrations
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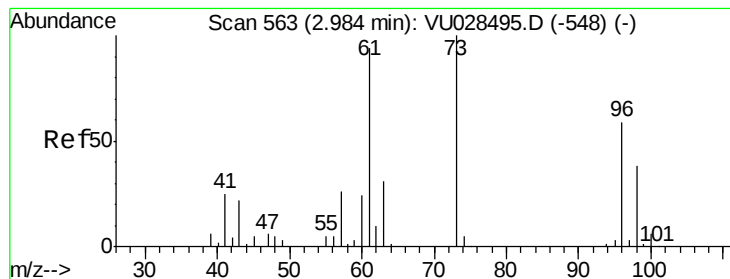
MMDadoda
12/11/2018 12:10:19 PM



#20
Methylene Chloride
Concen: 47.862 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Tgt Ion: 84 Resp: 56279
Ion Ratio Lower Upper
84 100
49 146.3 114.0 171.0
51 45.1 35.1 52.7
86 64.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.298 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MSD

Tot Ion: 96 Resp: 49500

Ion Ratio Lower Upper

96 100

61 161.5 127.0 190.4

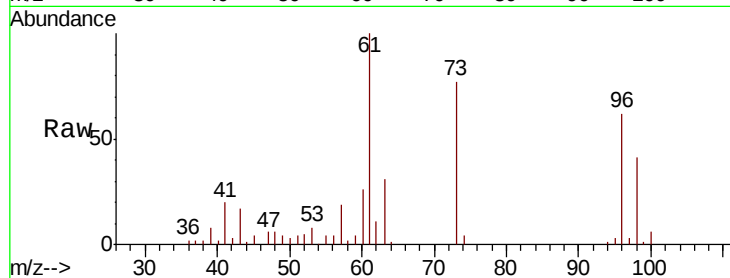
98 67.0 51.9 77.9

Manual Integrations

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MMDadoda

12/11/2018 12:10:19 PM

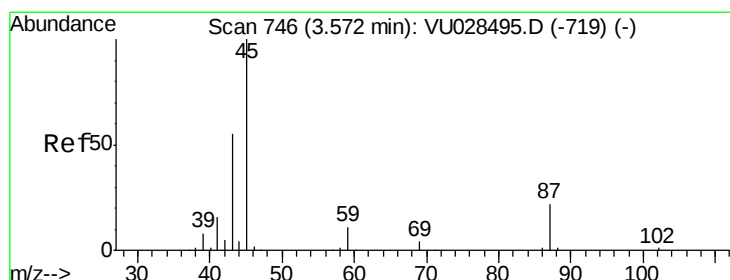
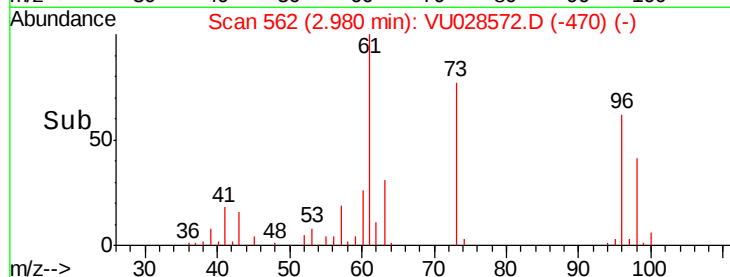
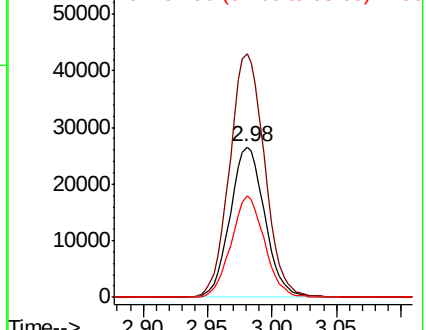


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 54.012 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Tgt Ion: 45 Resp: 221593

Ion Ratio Lower Upper

45 100

43 54.0 45.3 67.9

87 21.6 17.6 26.4

59 10.7 8.8 13.2

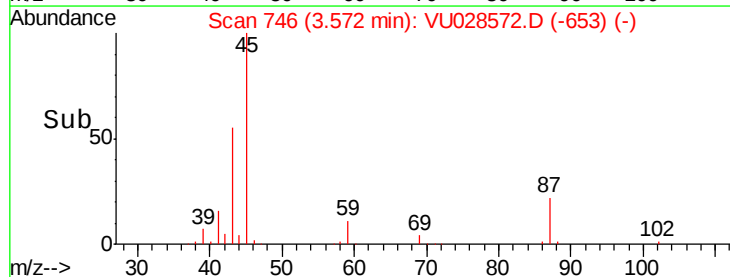
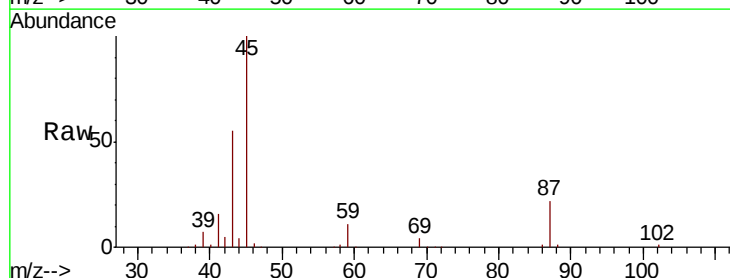
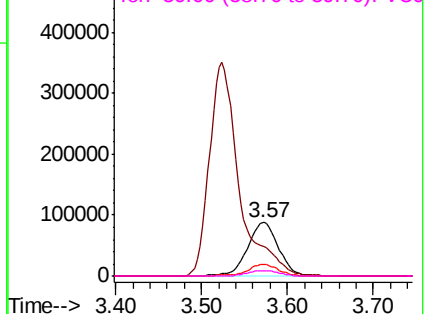
Abundance

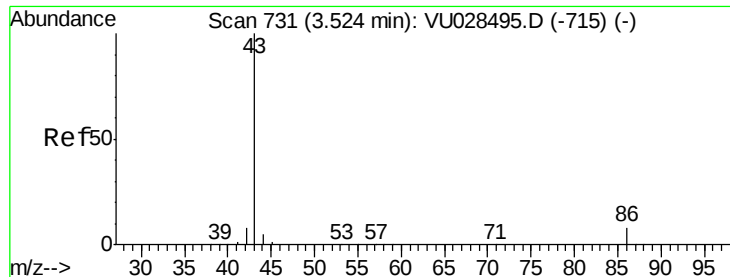
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 251.620 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MSD

Tot Ion: 43 Resp: 851503

Ion Ratio Lower Upper

43 100

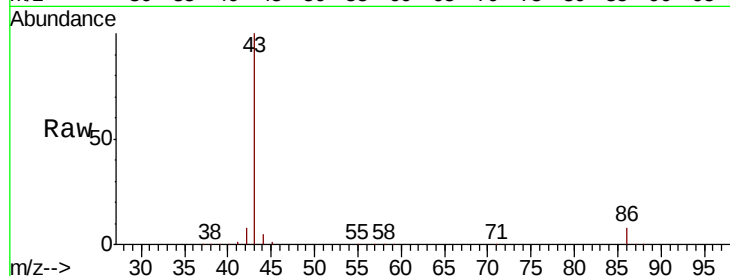
86 7.9 6.8 10.2

Manual Integrations

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12/11/2018 12:10:19 PM



Abundance Ion 43.00 (42.70 to 43.70): VU028572.D (-638) (-)

Ion 86.00 (85.70 to 86.70): VU028572.D (-638) (-)

3.52

400000

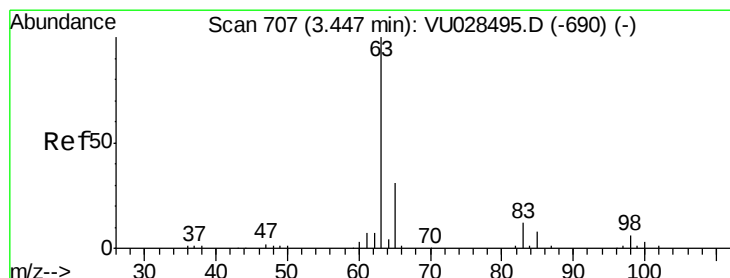
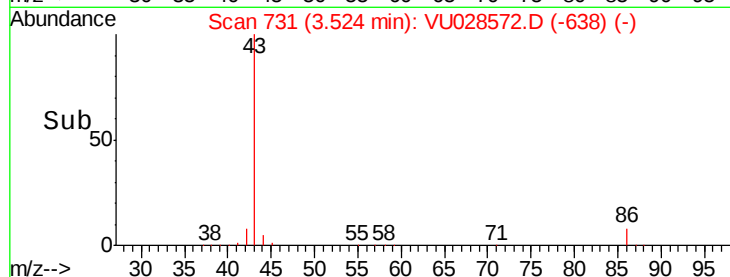
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.189 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

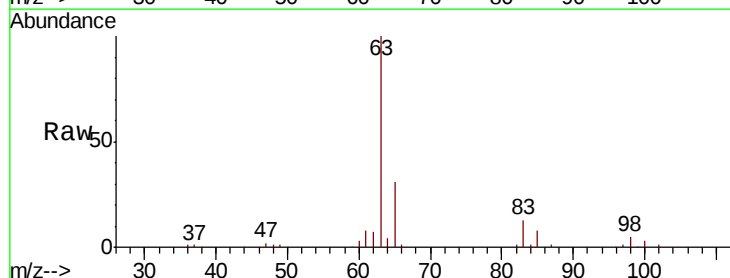
Tgt Ion: 63 Resp: 112081

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

100 3.3 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028572.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028572.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028572.D (-614) (-)

3.45

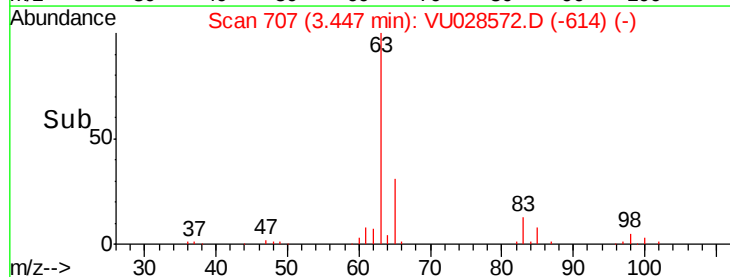
60000

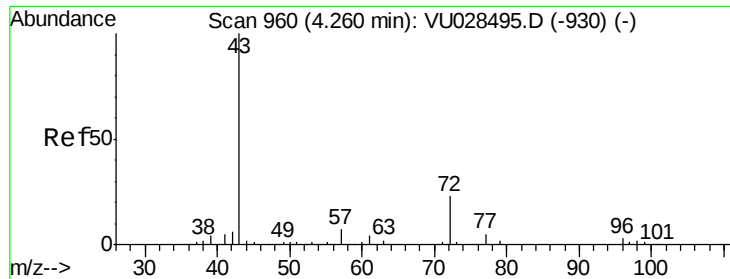
40000

20000

0

Time-->





#25

2-Butanone

Concen: 267.998 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MSD

Tot Ion: 43 Resp: 292135

Ion Ratio Lower Upper

43 100

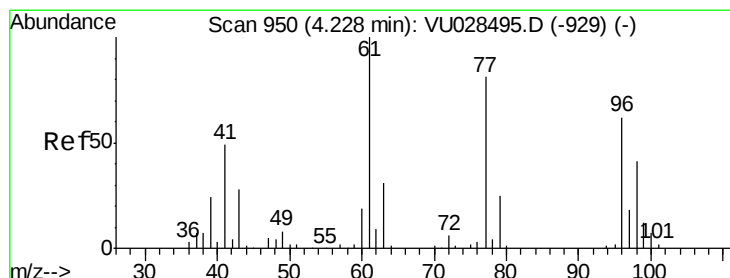
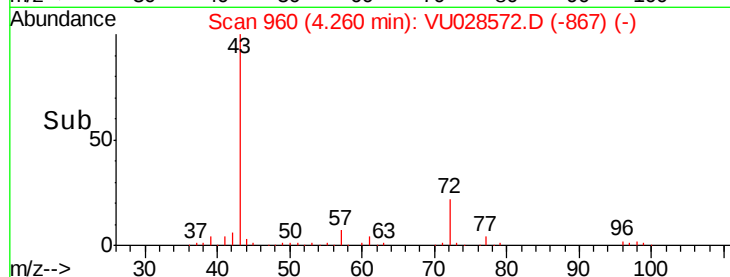
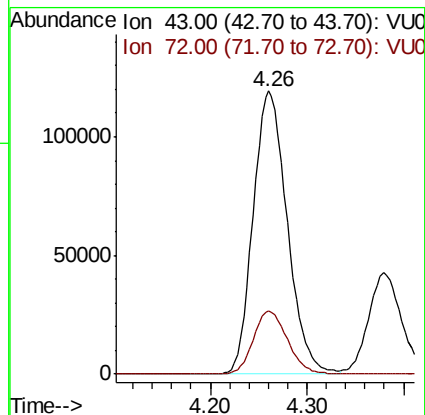
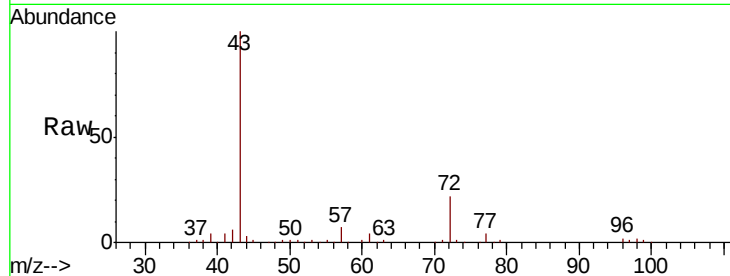
72 22.3 18.6 28.0

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#26

2,2-Dichloropropane

Concen: 44.974 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028572.D

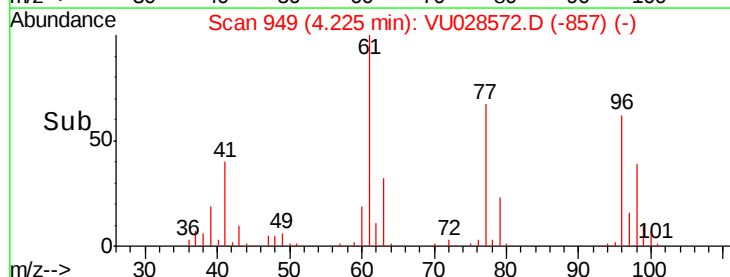
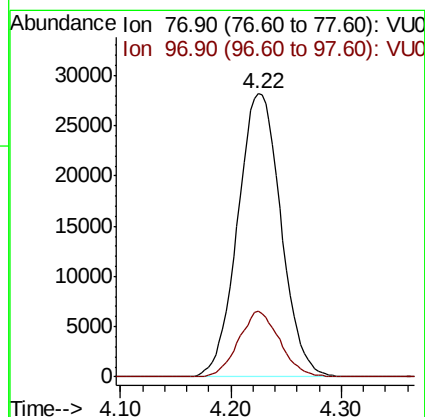
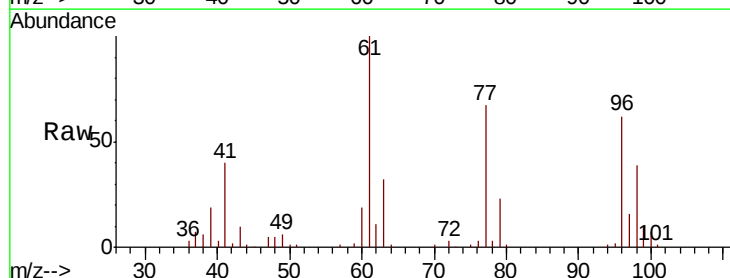
Acq: 10 Dec 2018 23:38

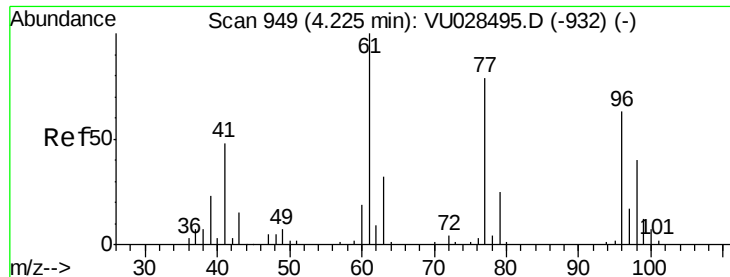
Tgt Ion: 77 Resp: 76531

Ion Ratio Lower Upper

77 100

97 22.0 11.0 33.0





#27

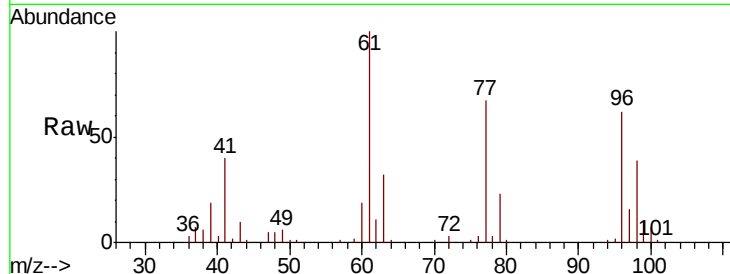
cis-1,2-Dichloroethene
Concen: 55.527 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.0	0.0	332.4
98	64.4	0.0	129.0

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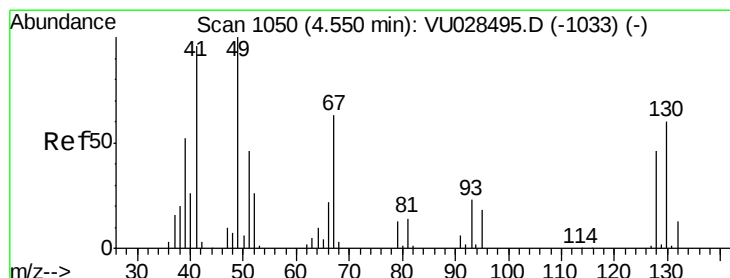
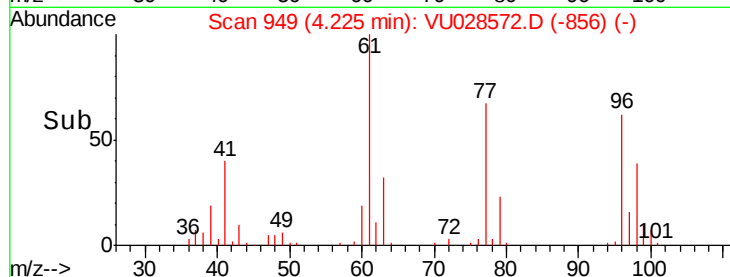
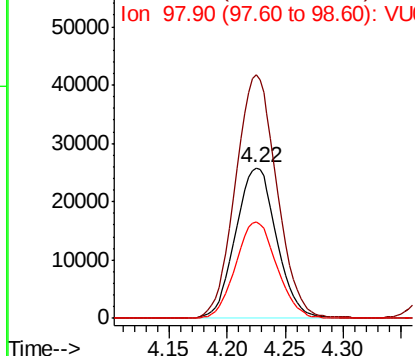


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

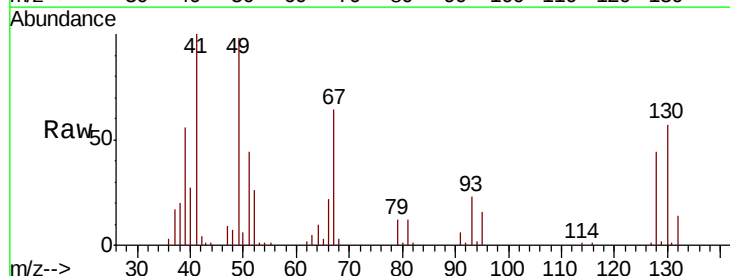
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 57.055 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	57.1	47.8	71.8

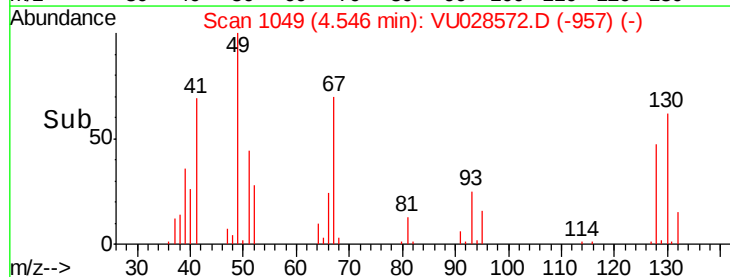
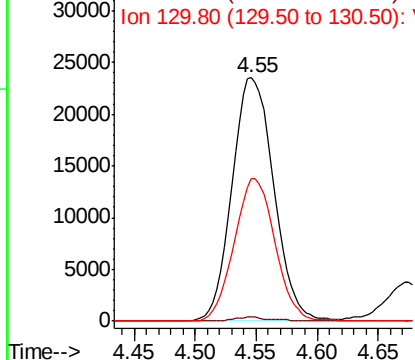


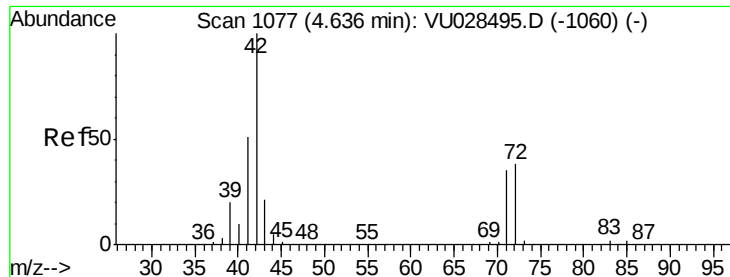
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





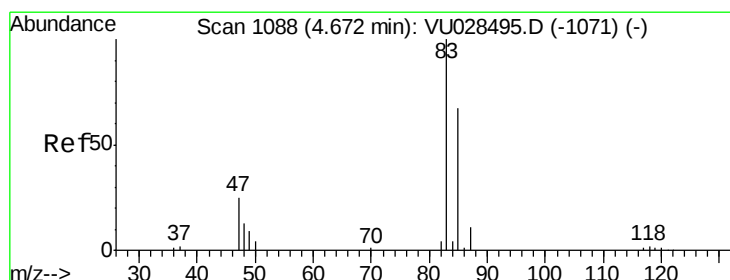
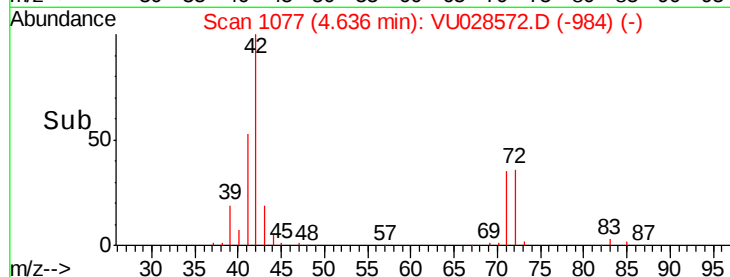
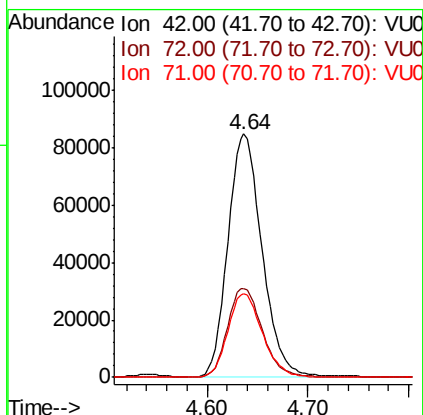
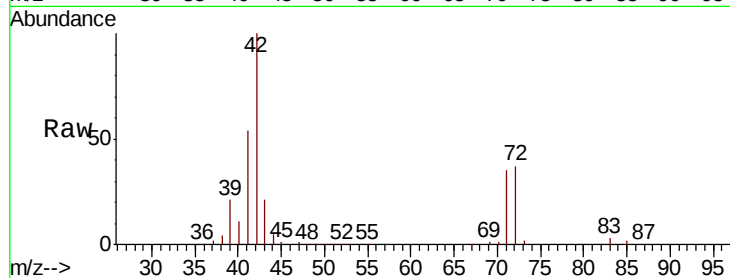
#29
Tetrahydrofuran
Concen: 284.832 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	31.4	47.0
71	35.2	28.6	43.0

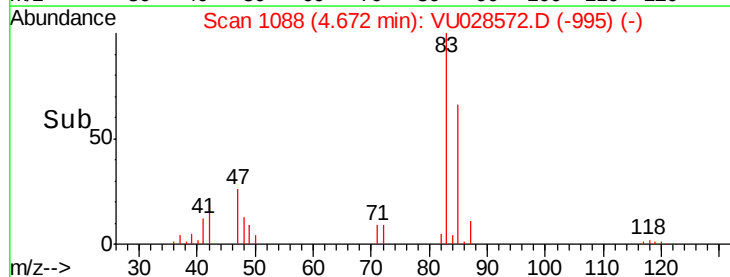
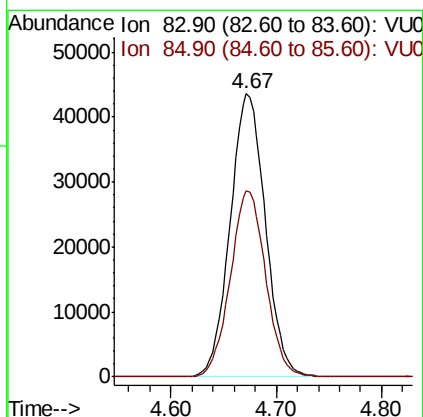
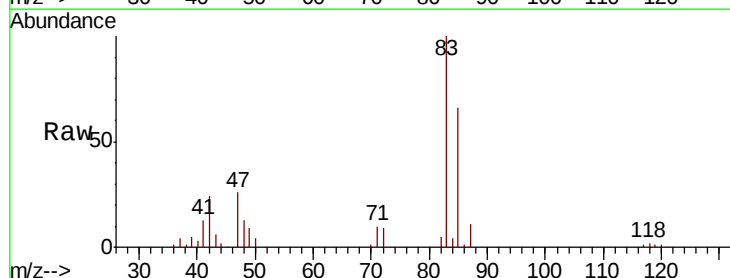
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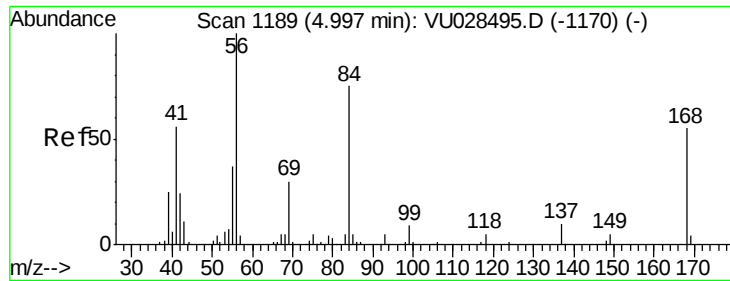
MMDadoda
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#30
Chloroform
Concen: 53.911 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	53.6	80.4





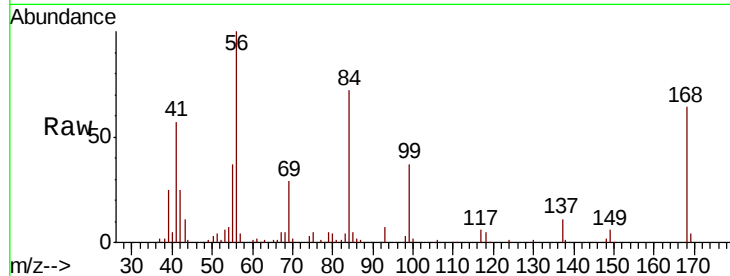
#31
Cyclohexane
Concen: 51.477 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MSD

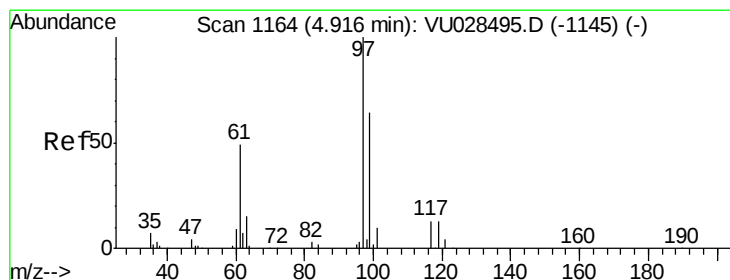
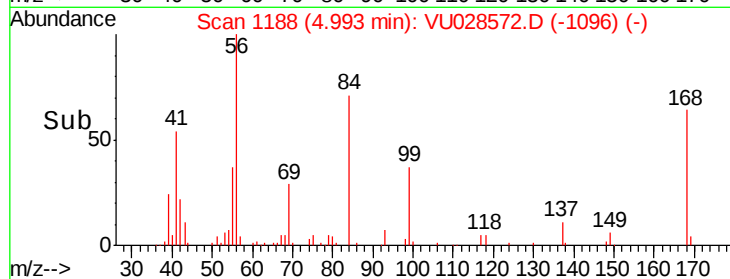
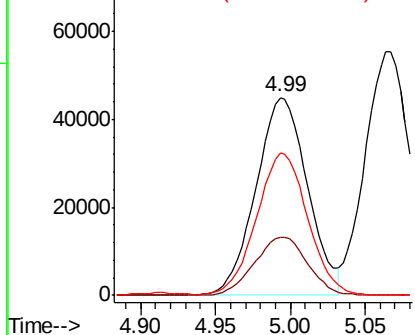
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.2	24.0	36.0
84	71.1	59.7	89.5

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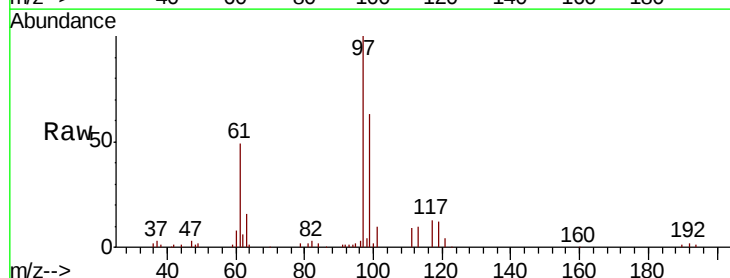


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

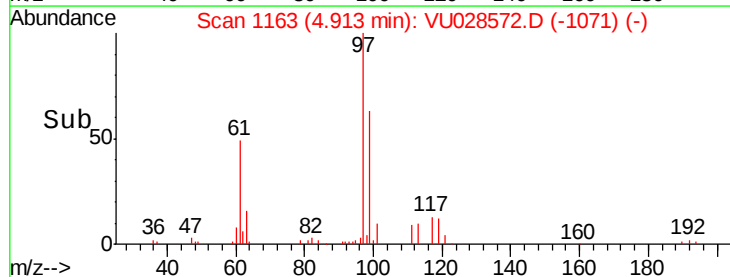
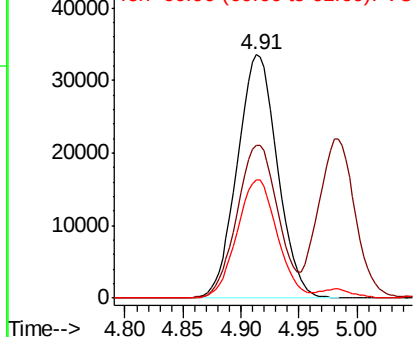


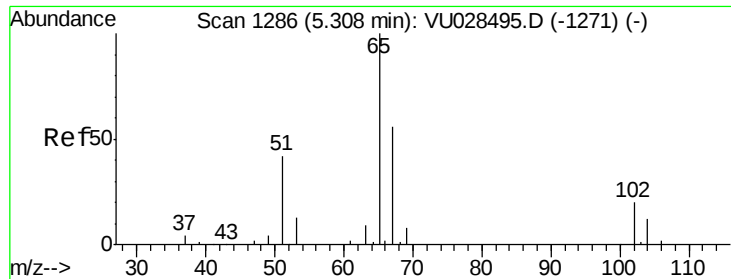
#32
1,1,1-Trichloroethane
Concen: 52.122 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.3	78.5
61	48.9	39.0	58.6



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





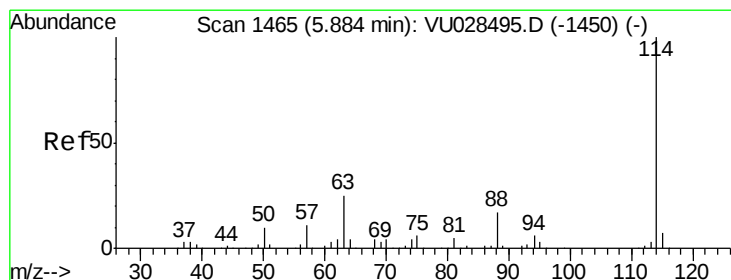
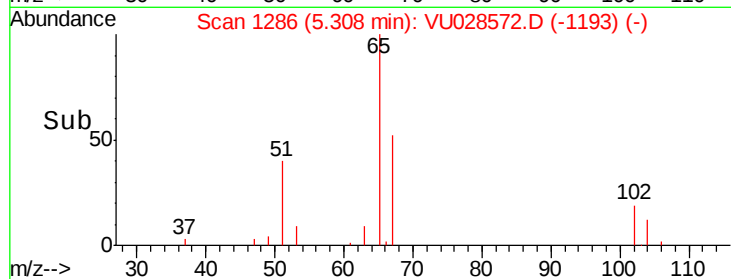
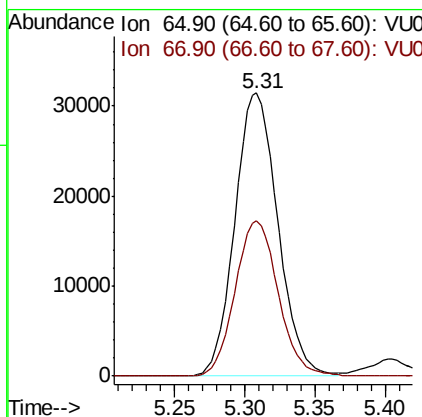
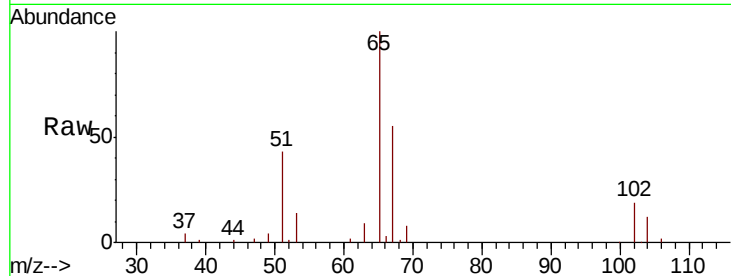
#33
 1,2-Dichloroethane-d4
 Concen: 54.971 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	110.6

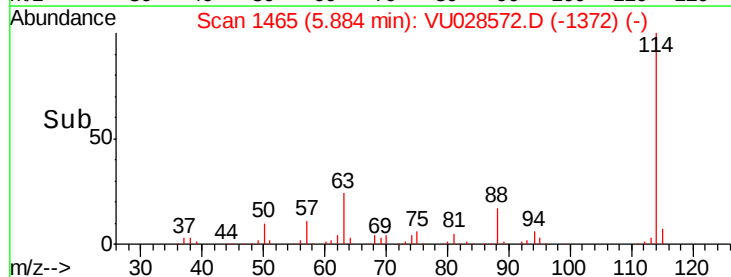
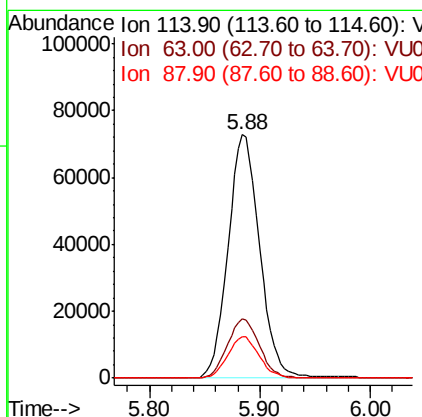
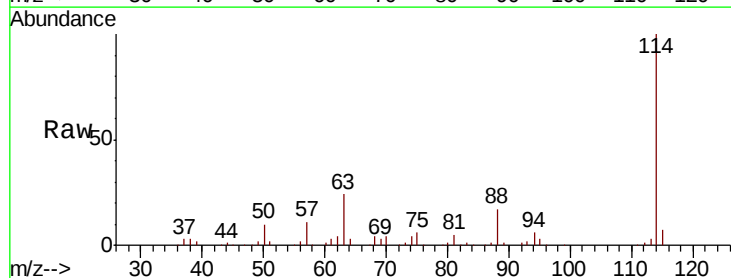
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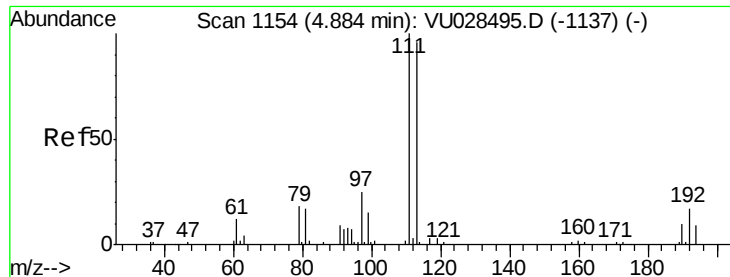
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	49.2
88	16.8	0.0	33.4





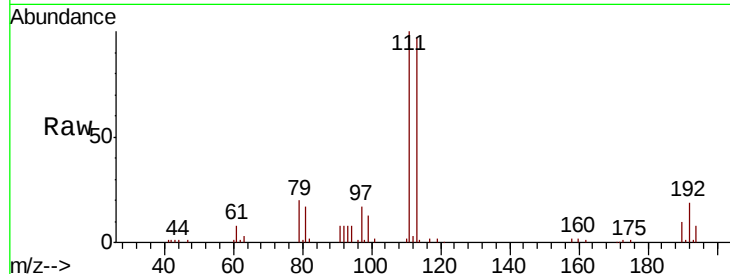
#35
 Dibromofluoromethane
 Concen: 52.764 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.4	125.0
192	18.8	14.8	22.2

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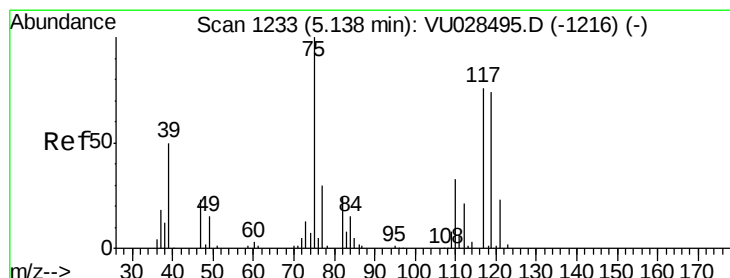
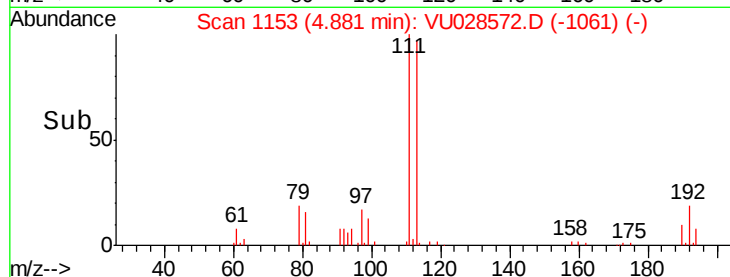
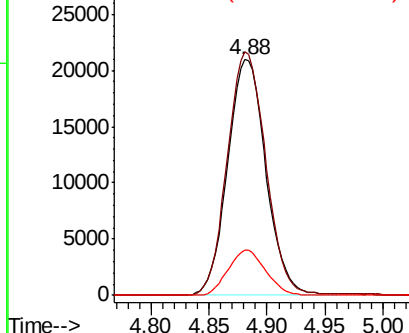


Abundance

Ion 112.80 (112.50 to 113.50): V

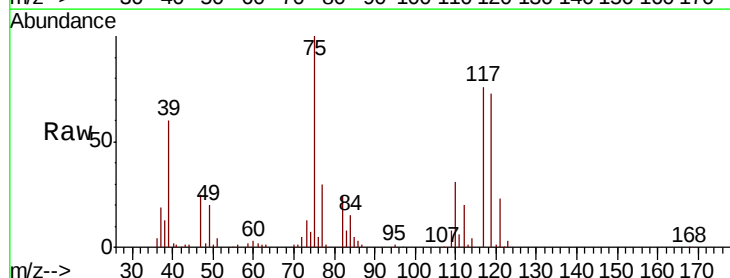
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 47.517 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.9	16.1	48.2
77	30.8	24.5	36.7

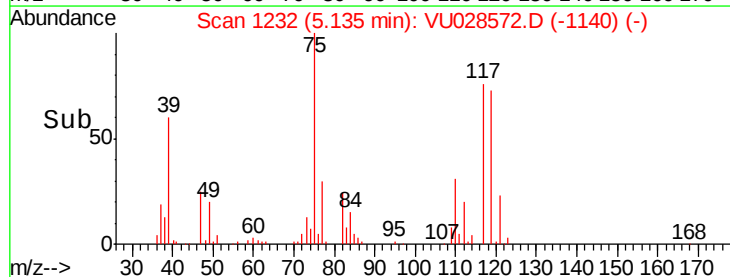
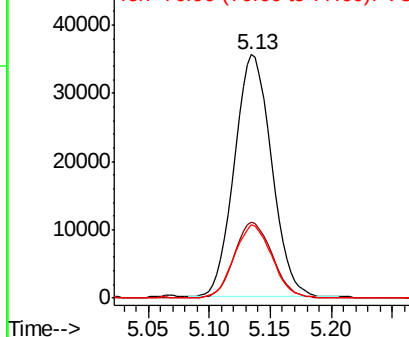


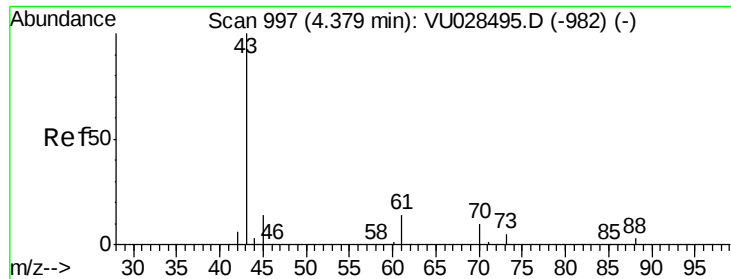
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





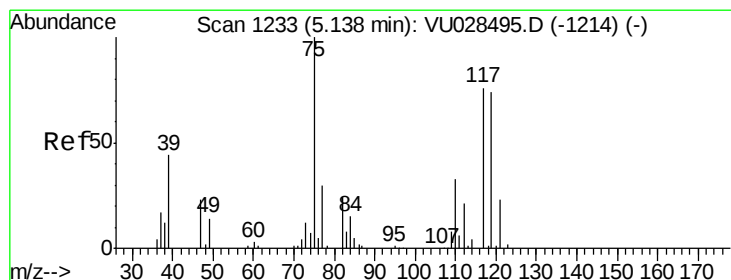
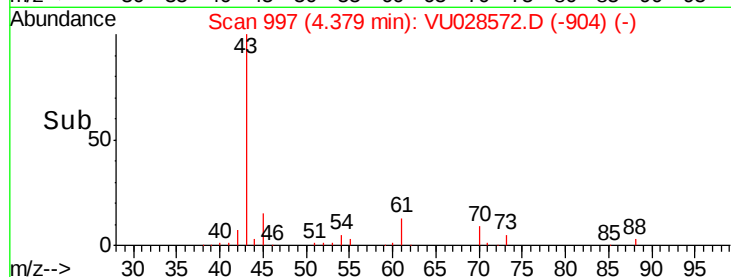
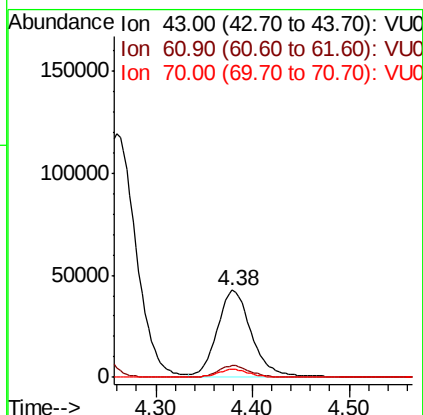
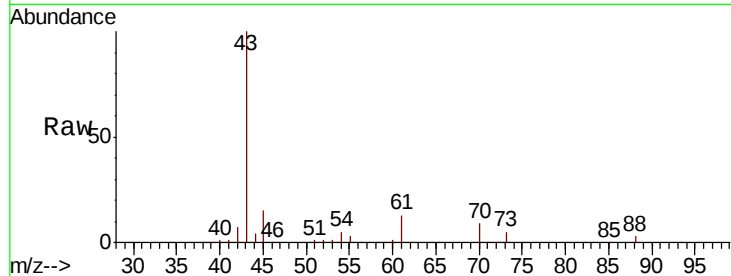
#37
Ethyl Acetate
Concen: 50.551 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.0	16.4
70	8.6	7.4	11.0

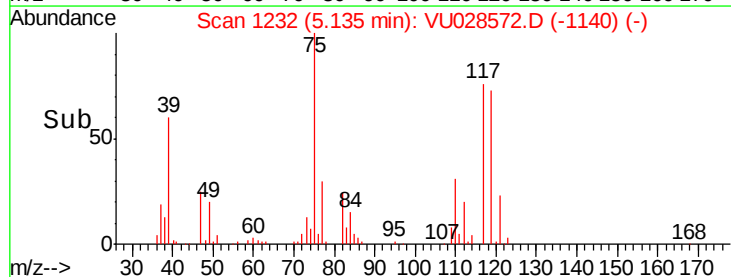
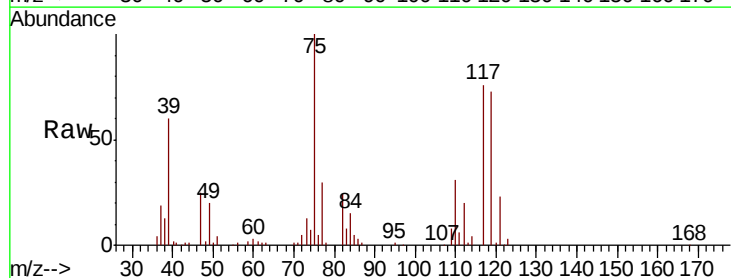
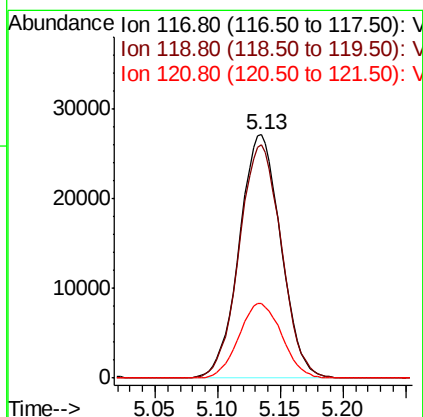
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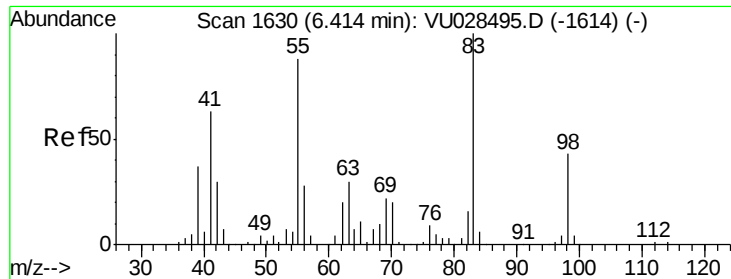
MMDadoda
12/11/2018 12:10:19 PM



#38
Carbon Tetrachloride
Concen: 49.230 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.6	116.4
121	30.6	24.6	36.8





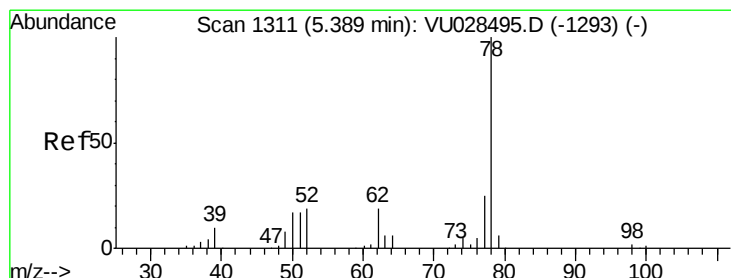
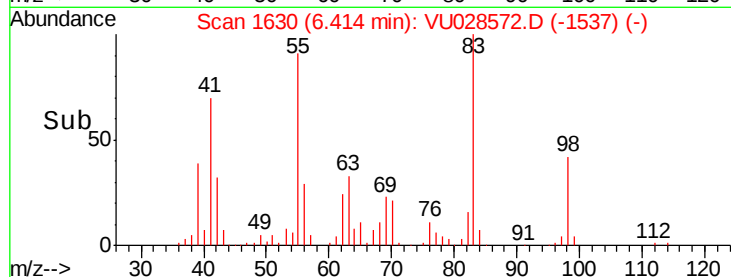
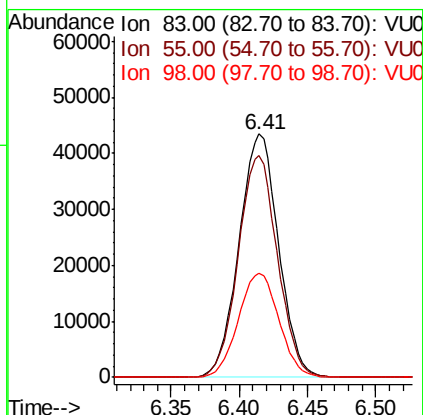
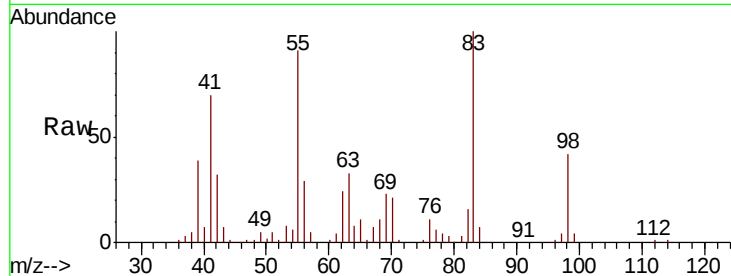
#39
Methylvlcyclohexane
Concen: 45.230 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.1	70.2	105.2
98	42.5	34.2	51.4

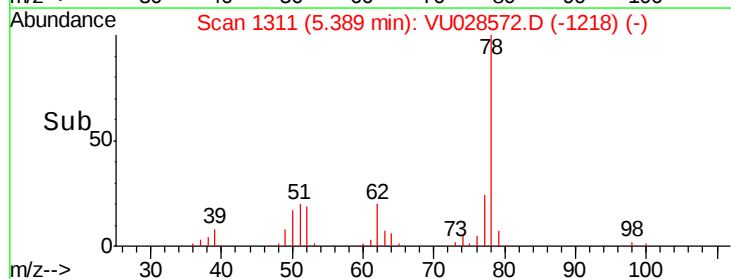
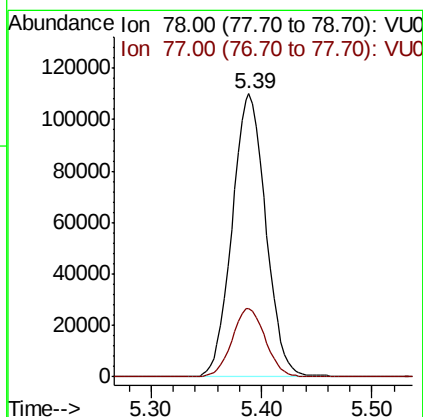
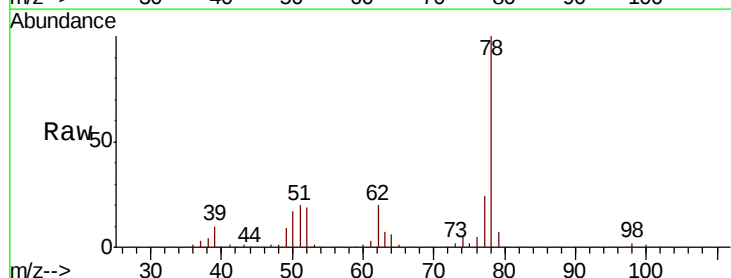
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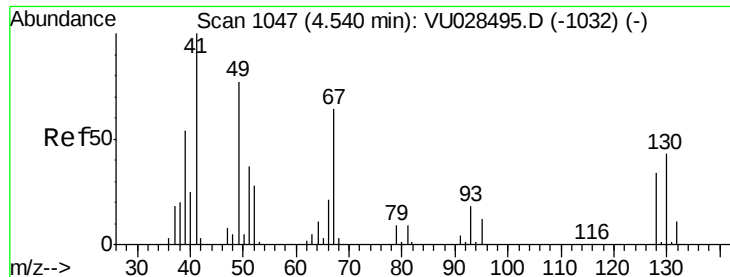
MMDadoda
12/11/2018 12:10:19 PM



#40
Benzene
Concen: 49.902 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.9	29.9





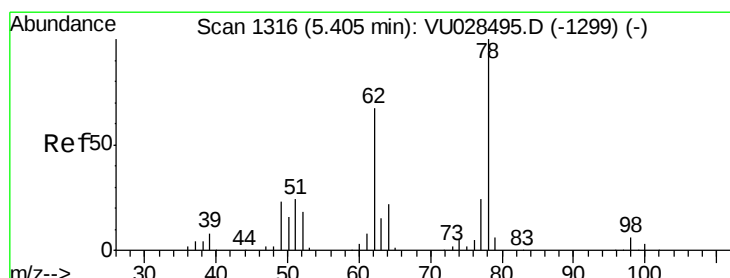
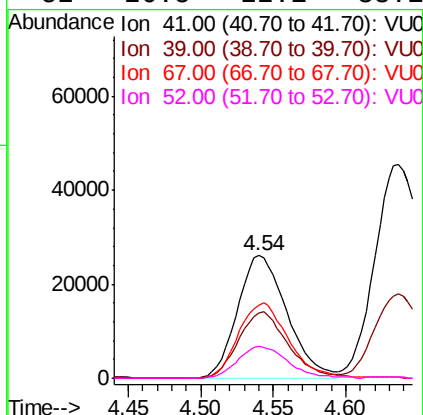
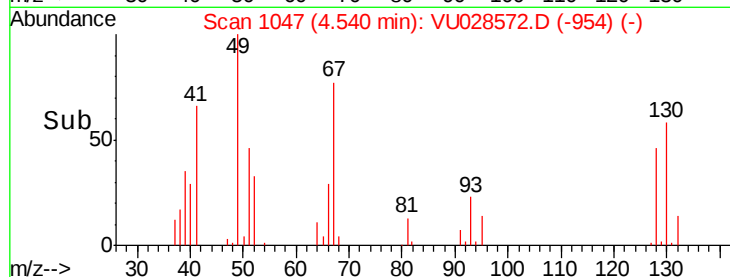
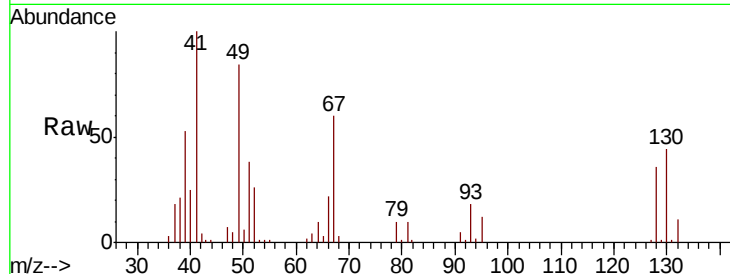
#41
Methacrylonitrile
Concen: 55.393 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	43.3	64.9	
67	62.7	53.6	80.4	
52	26.5	22.1	33.1	

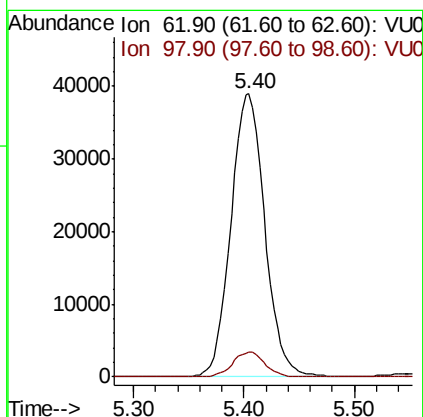
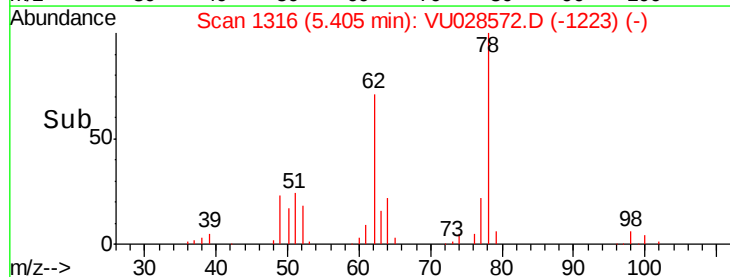
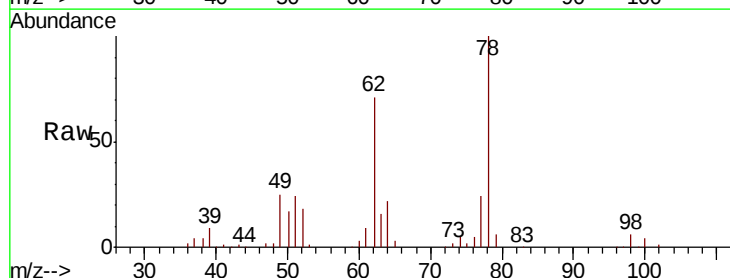
Manual Integrations
APPROVED

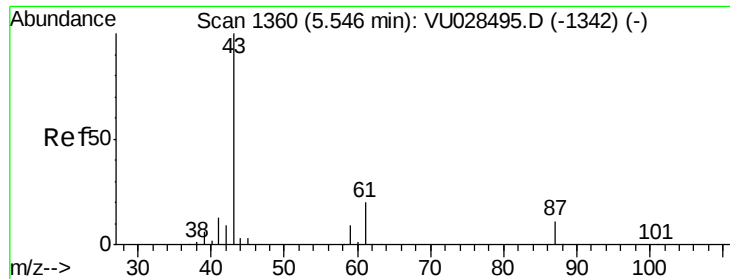
MMDadoda
12/11/2018 12:10:19 PM



#42
1,2-Dichloroethane
Concen: 50.906 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	17.2	





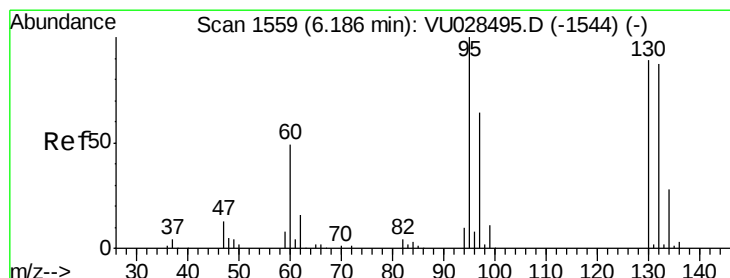
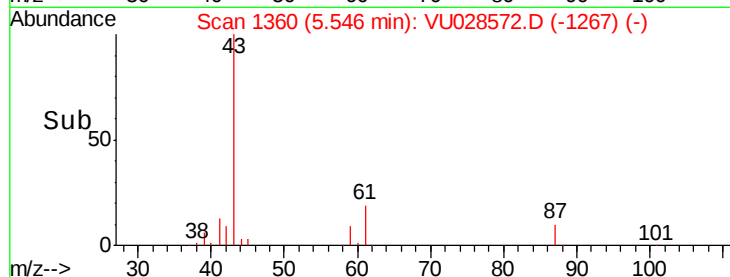
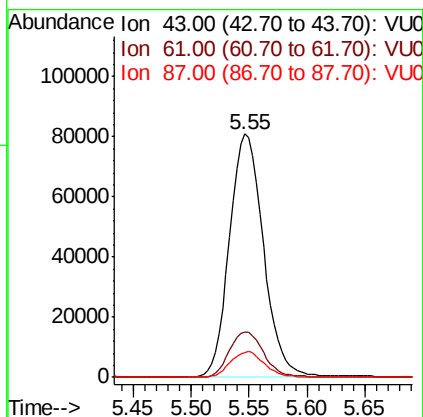
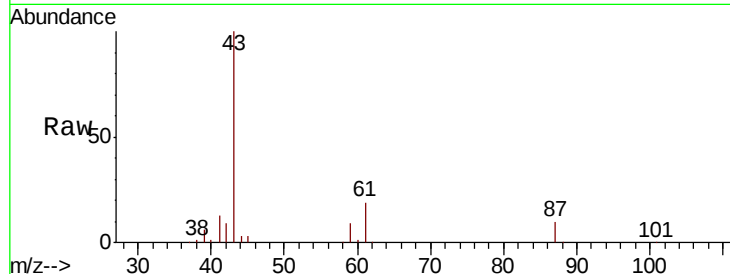
#43
Isopropyl Acetate
Concen: 50.903 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MSD

Tot Ion	43	61	87
Resp	164548		
Ratio	100	19.0	10.6
Lower		15.5	8.7
Upper		23.3	13.1

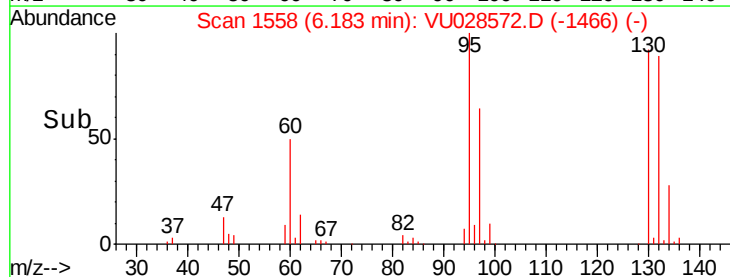
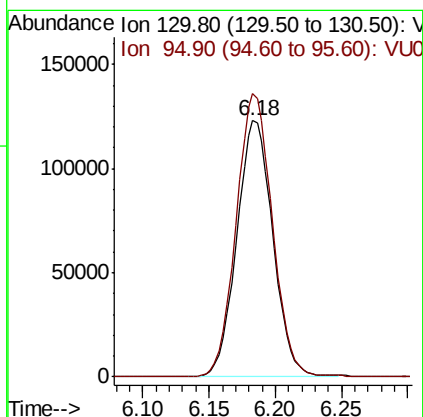
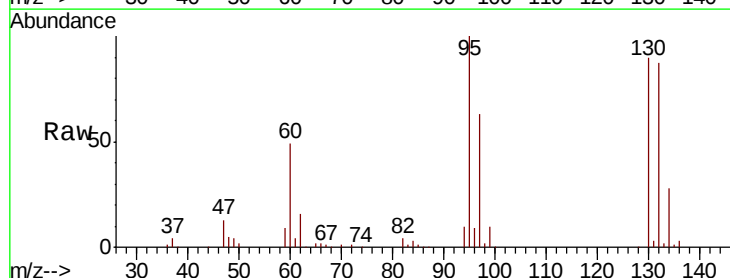
Manual Integrations
APPROVED

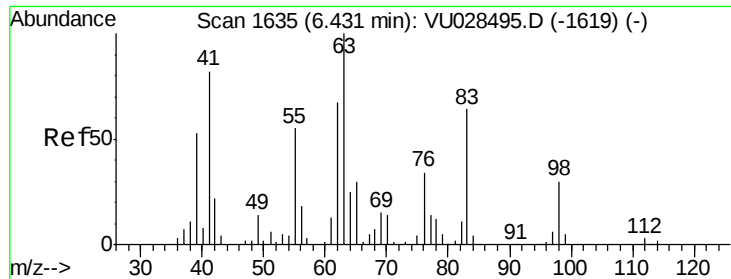
MMDadoda
12/11/2018 12:10:19 PM



#44
Trichloroethene
Concen: 224.963 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Tgt Ion	130	95
Resp	232909	
Ratio	100	110.6
Lower		0.0
Upper		224.0





#45

1,2-Dichloropropane

Concen: 51.801 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MSD

Tot Ion: 63 Resp: 67828

Ion Ratio Lower Upper

63 100

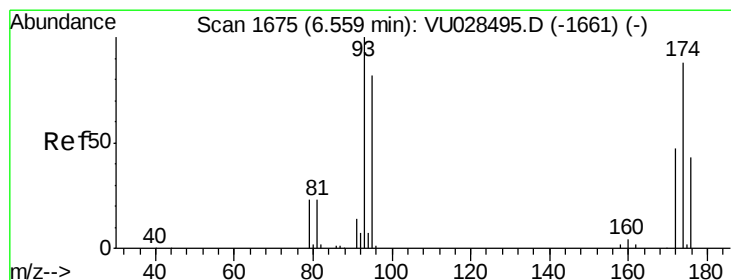
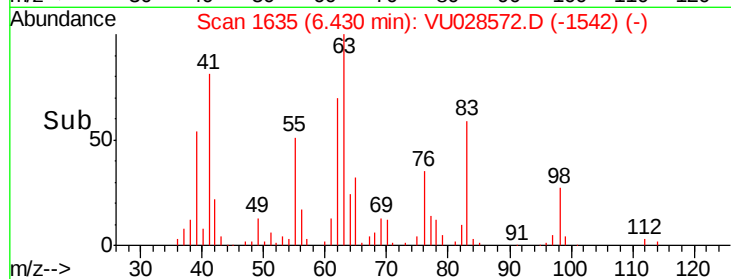
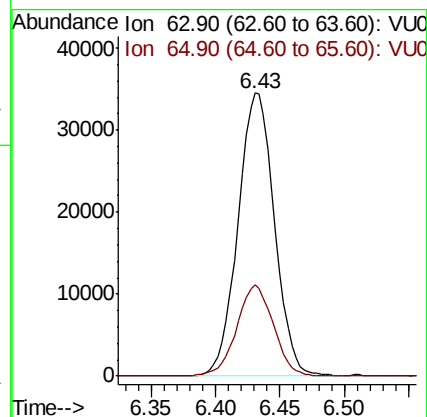
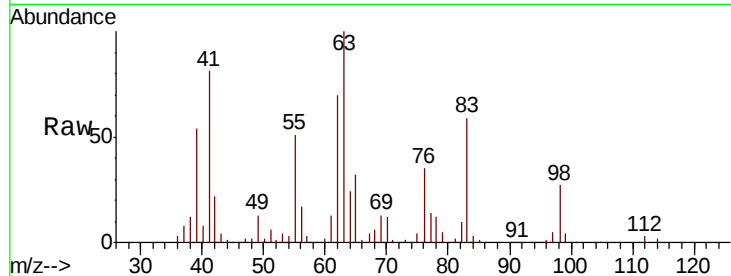
65 32.3 24.2 36.4

Manual Integrations

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12/11/2018 12:10:19 PM



#46

Dibromomethane

Concen: 50.376 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

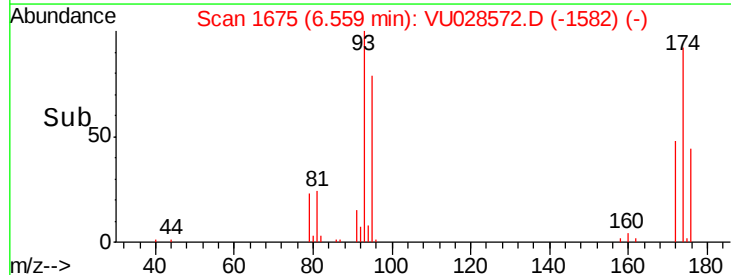
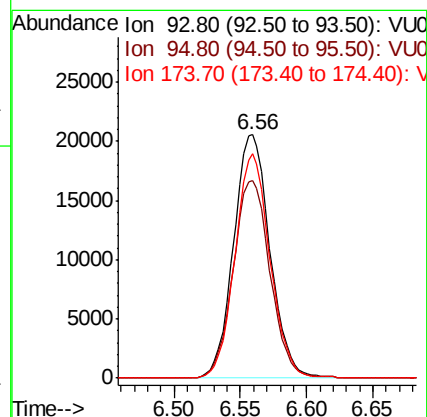
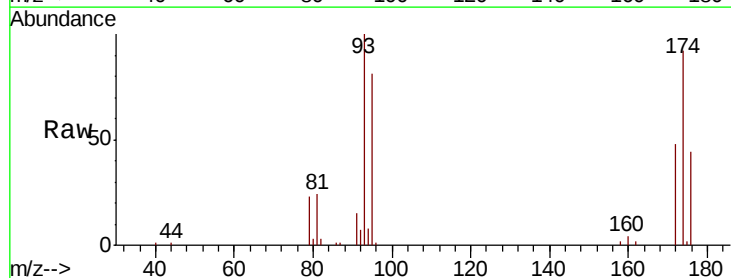
Tgt Ion: 93 Resp: 39137

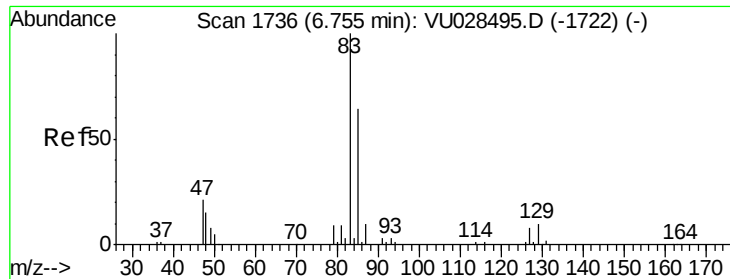
Ion Ratio Lower Upper

93 100

95 82.5 65.4 98.2

174 89.0 72.2 108.4





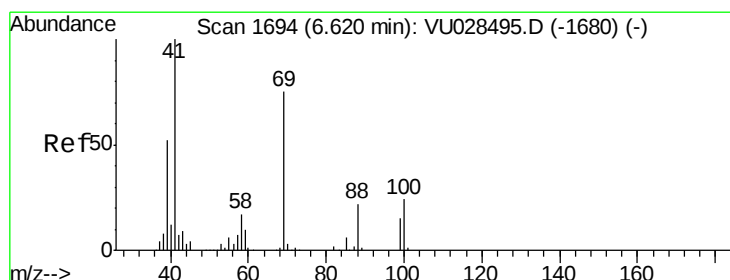
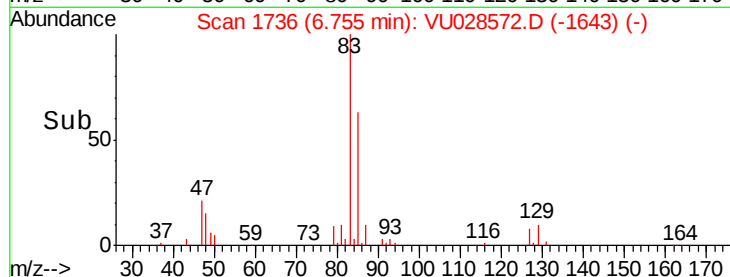
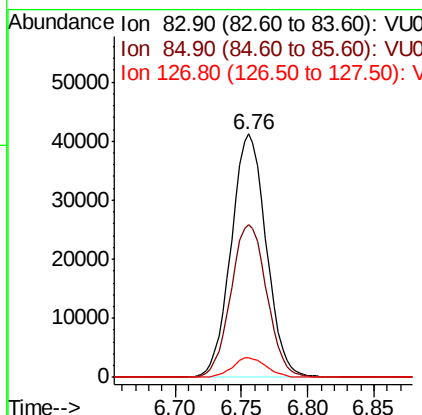
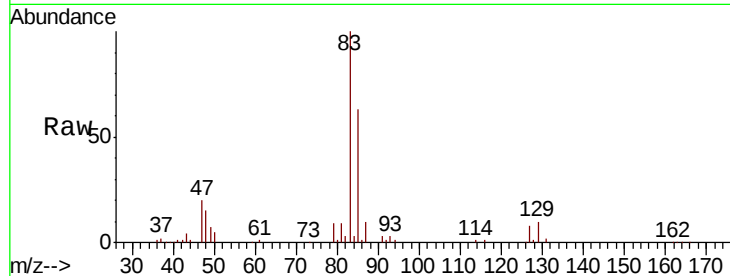
#47
Bromodichloromethane
Concen: 50.165 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MSD

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.5	77.3
127	8.1	6.2	9.4

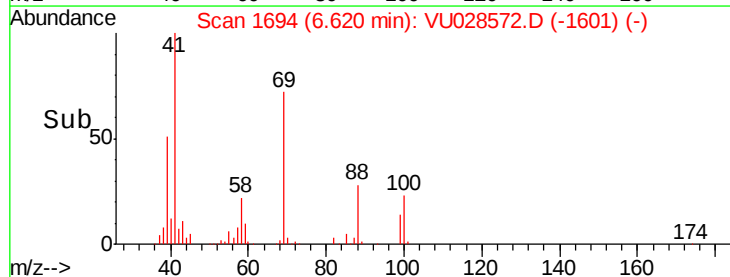
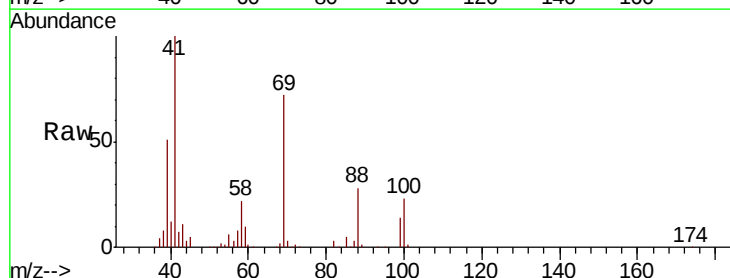
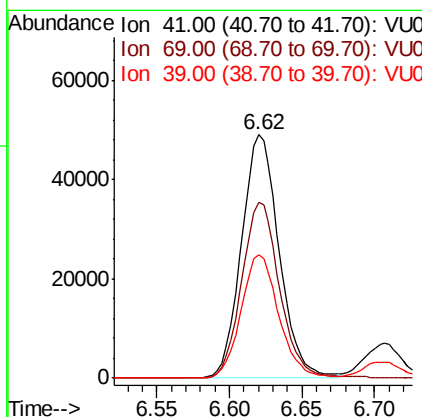
Manual Integrations
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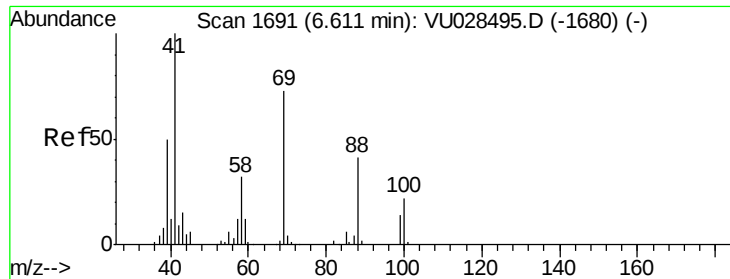
MMDadoda
12/11/2018 12:10:19 PM



#48
Methyl methacrylate
Concen: 55.142 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
41	100		
69	72.9	60.4	90.6
39	50.8	41.1	61.7





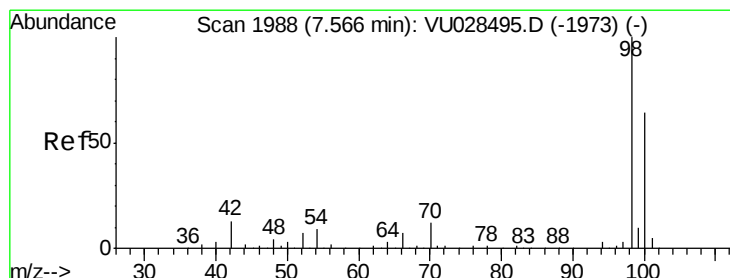
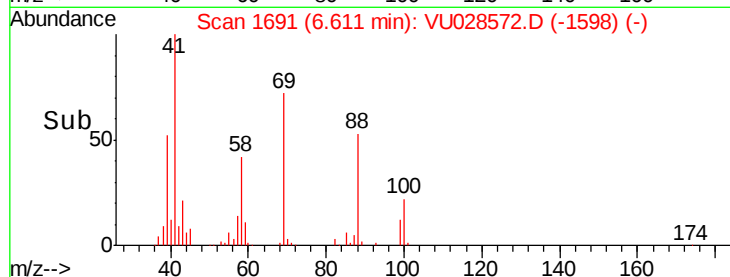
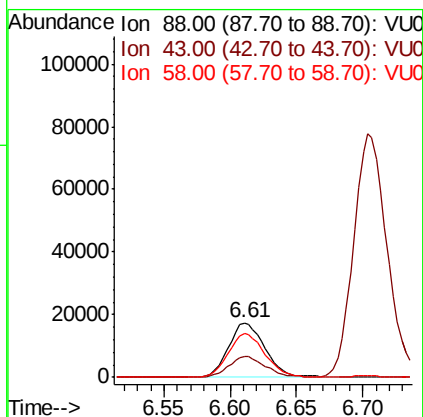
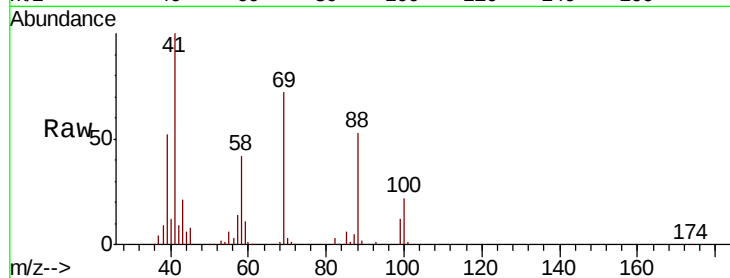
#49
1,4-Dioxane
Concen: 1315.139 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.3	30.9	46.3
58	80.4	62.4	93.6

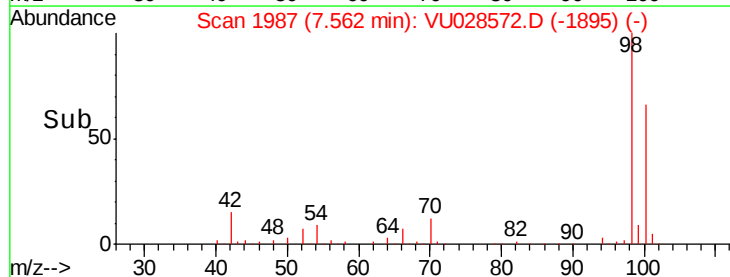
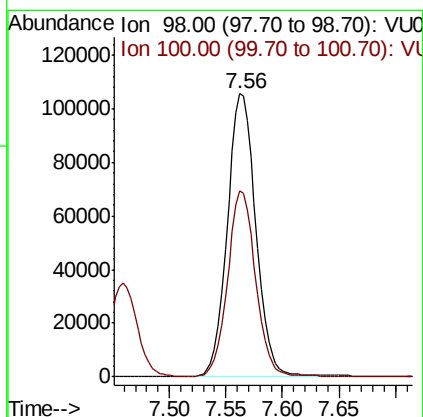
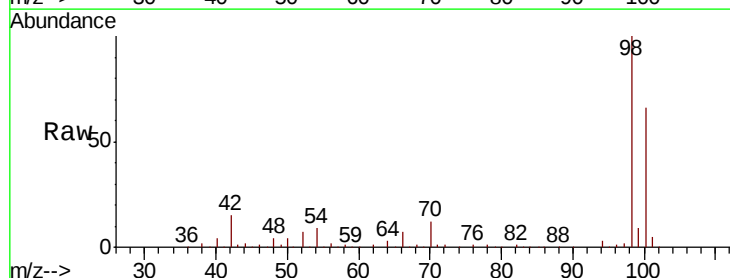
Manual Integrations
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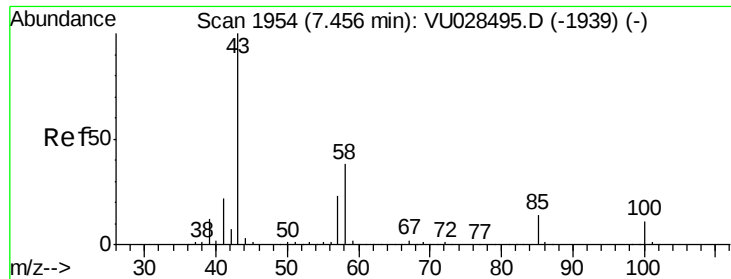
MMDadoda
12/11/2018 12:10:19 PM



#50
Toluene-d8
Concen: 51.611 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 272.470 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MSD

Tot Ion: 43 Resp: 55516

Ion Ratio Lower Upper

43 100

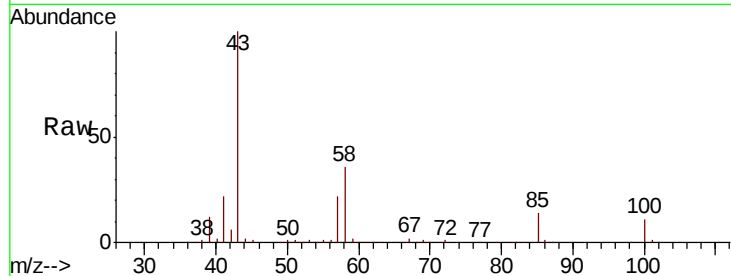
58 36.1 30.2 45.2

Manual Integrations

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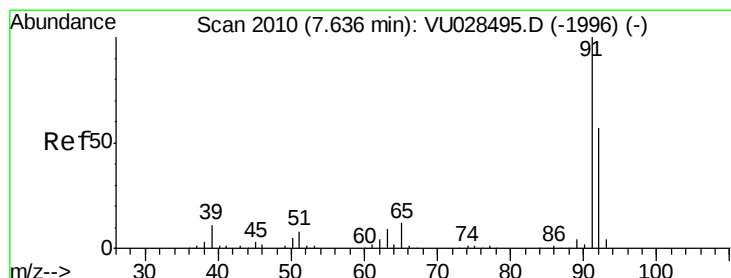
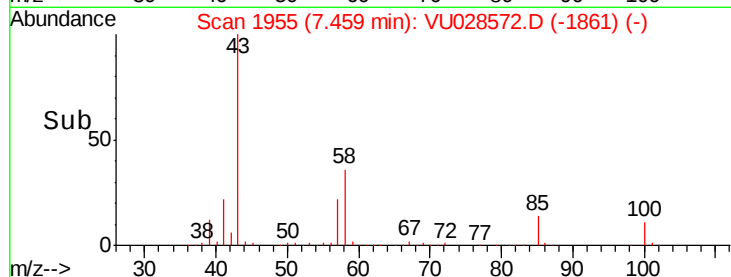
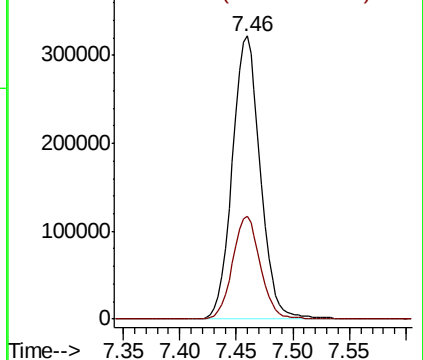
MMDadoda

12/11/2018 12:10:19 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 49.414 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028572.D

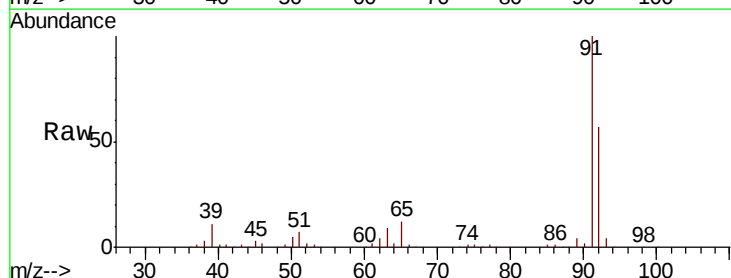
Acq: 10 Dec 2018 23:38

Tgt Ion: 92 Resp: 135412

Ion Ratio Lower Upper

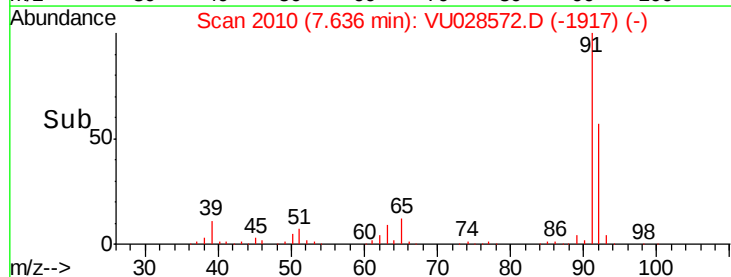
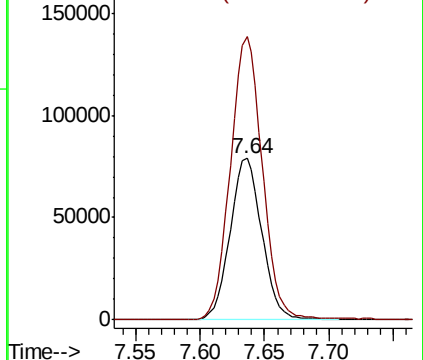
92 100

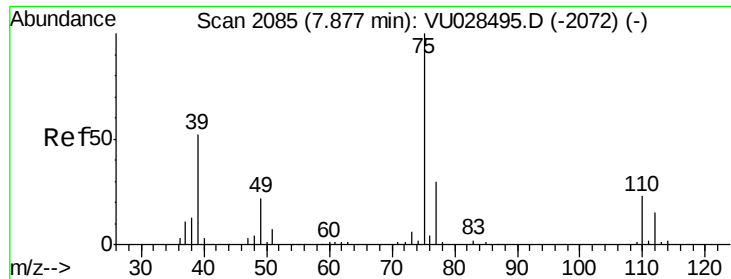
91 176.4 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





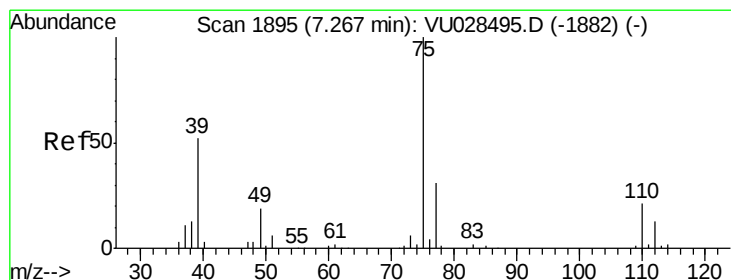
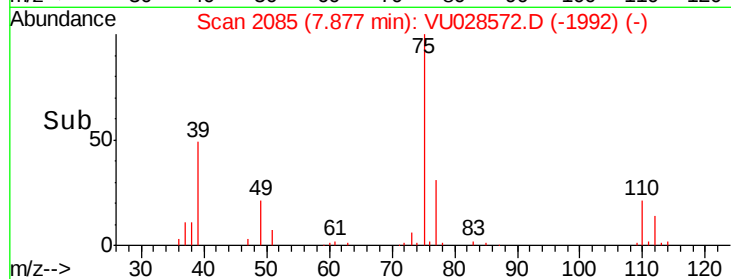
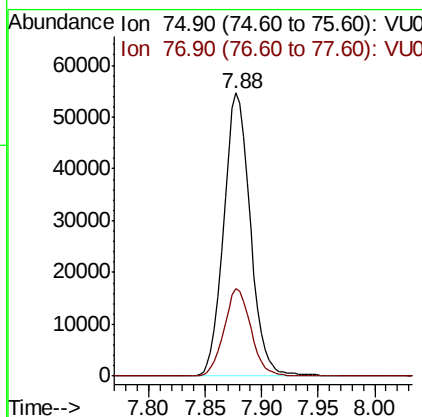
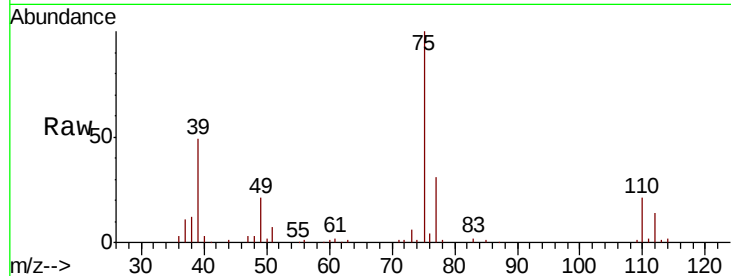
#53
t-1,3-Dichloropropene
Concen: 49.744 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.2	36.4

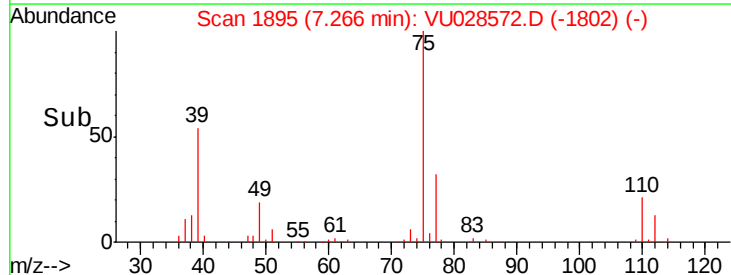
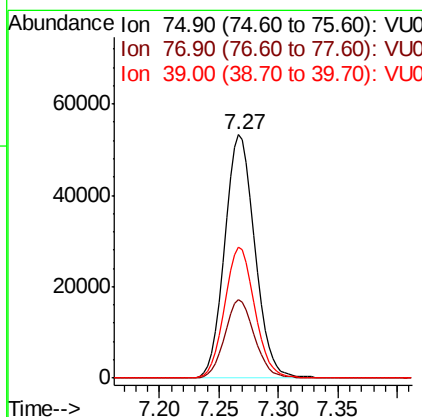
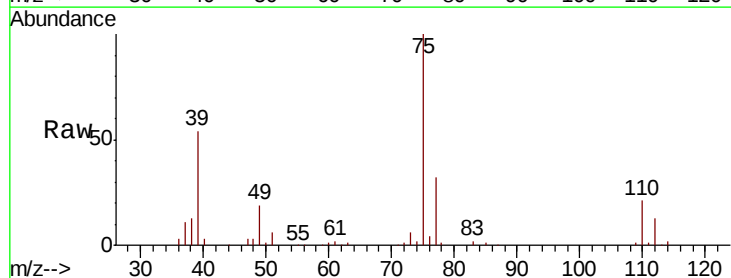
Manual Integrations
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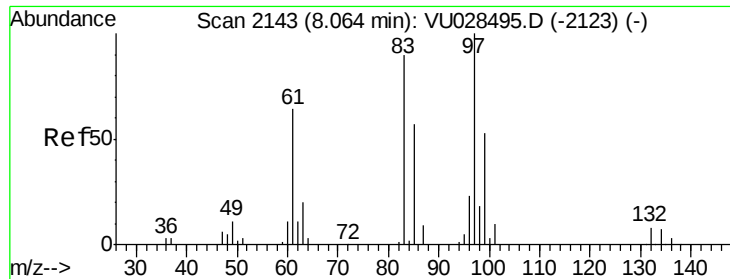
MMDadoda
12/11/2018 12:10:19 PM



#54
cis-1,3-Dichloropropene
Concen: 47.962 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.0	37.4
39	54.0	41.3	61.9





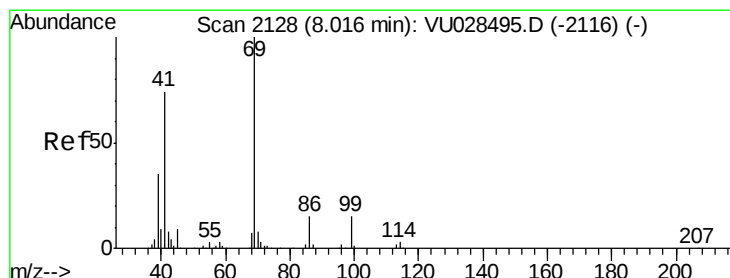
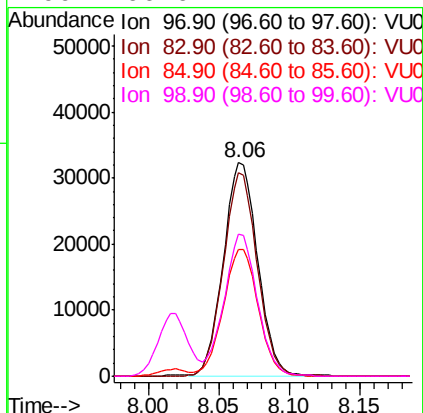
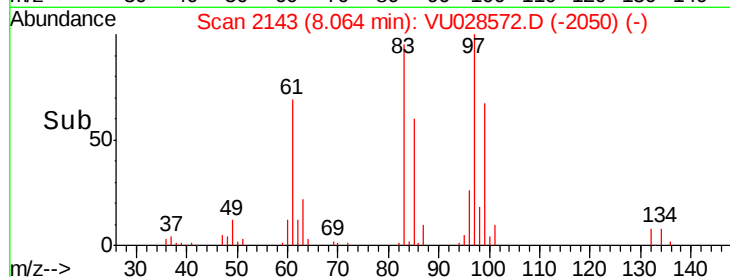
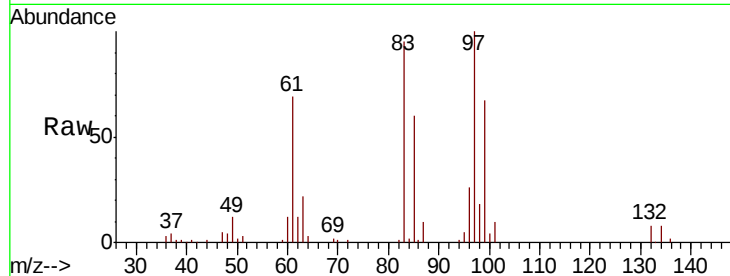
#55
 1,1,2-Trichloroethane
 Concen: 50.898 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MSD

Tot Ion:	97	Resp:	55134
Ion	Ratio	Lower	Upper
97	100		
83	95.3	72.4	108.6
85	59.6	46.0	69.0
99	66.6	47.4	71.2

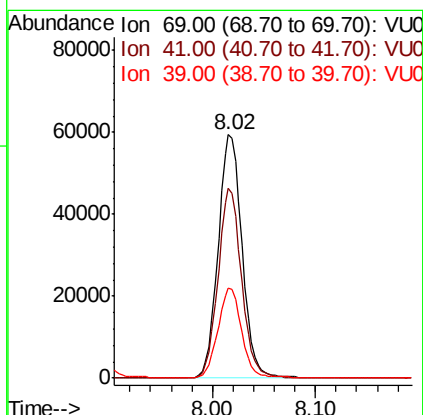
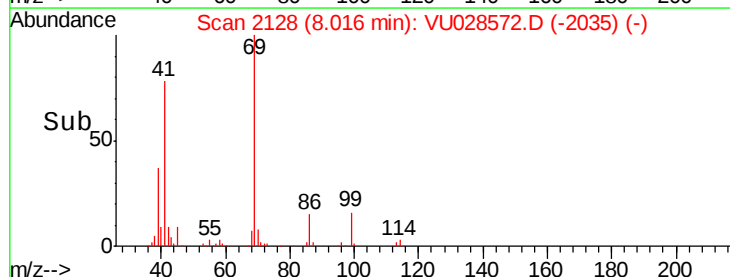
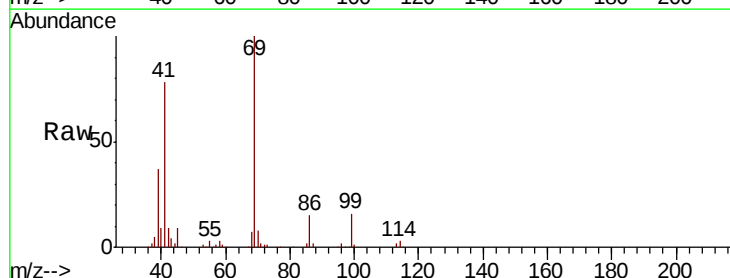
Manual Integrations
 APPROVED

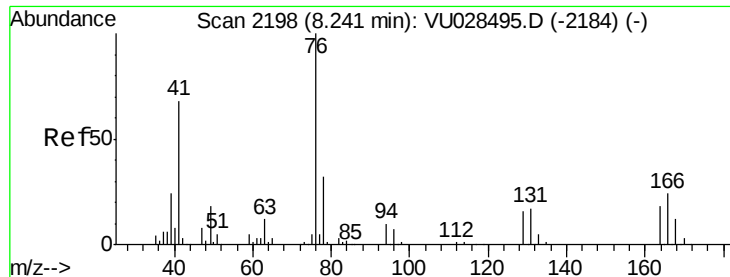
MMDadoda
 12/11/2018 12:10:19 PM



#56
 Ethyl methacrylate
 Concen: 51.638 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Tgt Ion:	69	Resp:	95788
Ion	Ratio	Lower	Upper
69	100		
41	76.2	59.1	88.7
39	36.8	28.4	42.6





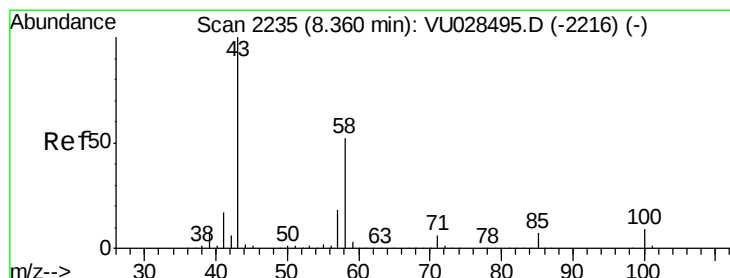
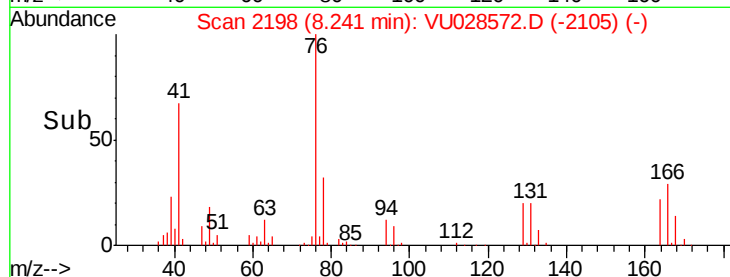
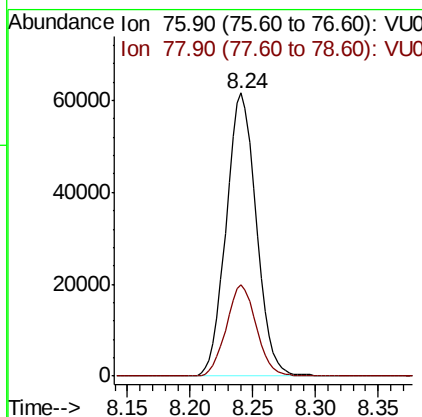
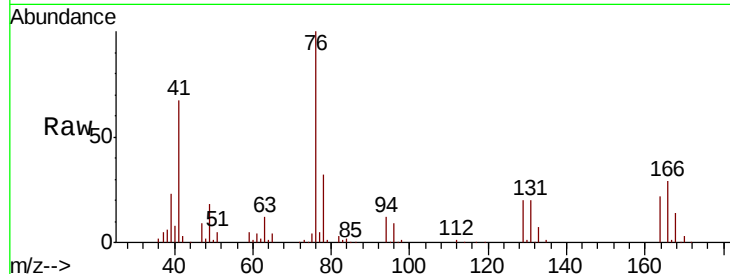
#57
 1,3-Dichloropropane
 Concen: 51.092 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MSD

Tot Ion: 76 Resp: 102736
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8

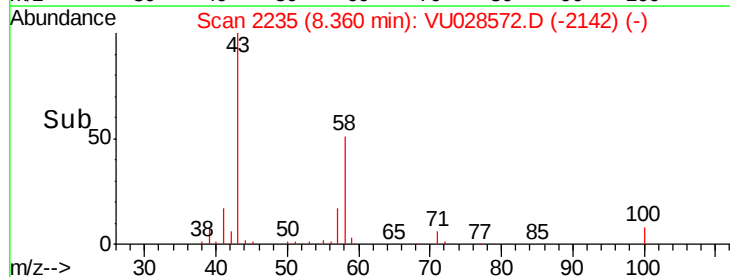
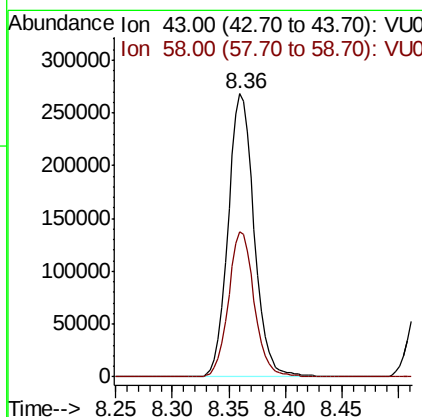
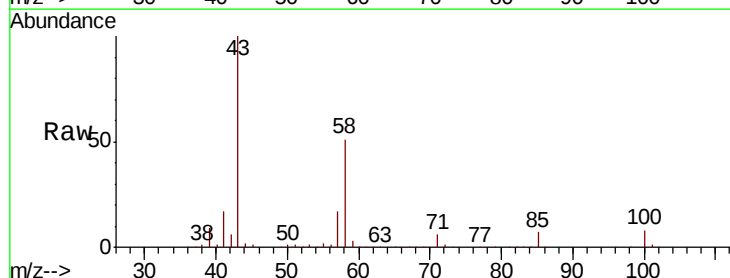
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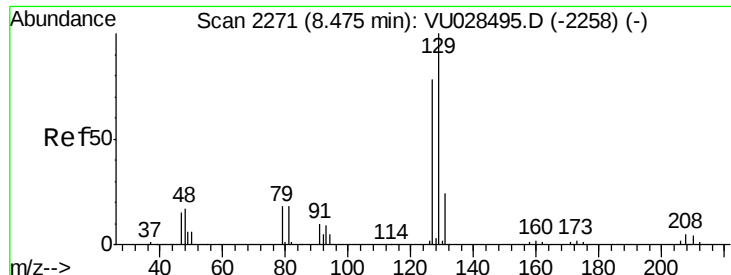
MMDadoda
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#59
 2-Hexanone
 Concen: 265.734 ug/l
 RT: 8.36 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Tgt Ion: 43 Resp: 429420
 Ion Ratio Lower Upper
 43 100
 58 51.1 25.9 77.6





#60

Dibromochloromethane

Concen: 49.521 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MSD

Tot Ion:129 Resp: 52520

Ion Ratio Lower Upper

129 100

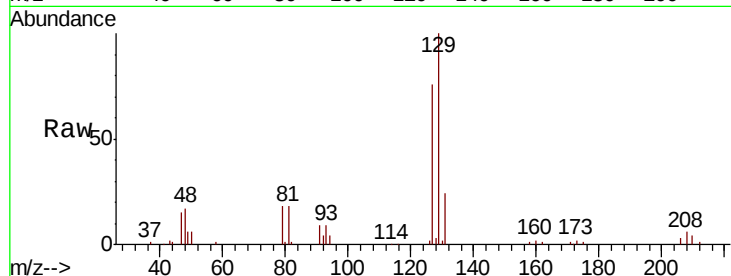
127 78.1 39.1 117.3

Manual Integrations

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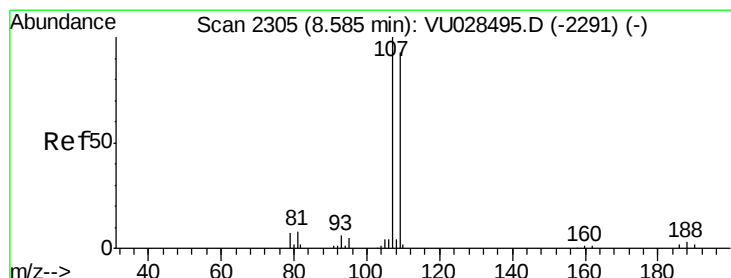
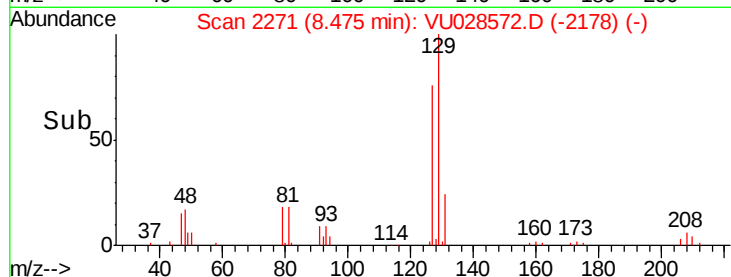
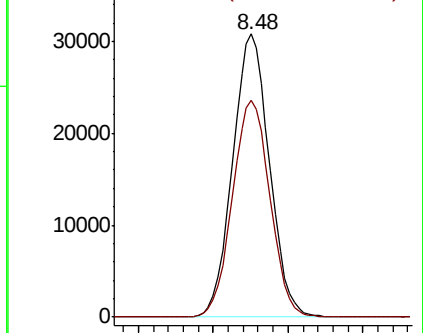
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 50.977 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028572.D

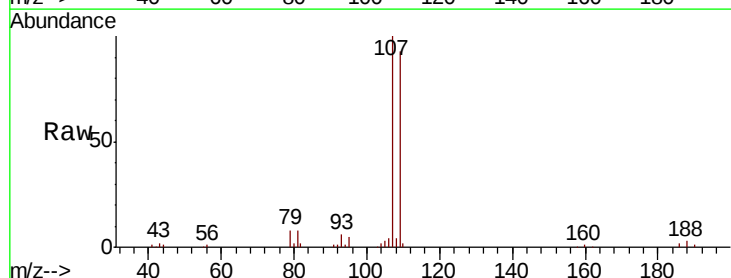
Acq: 10 Dec 2018 23:38

Tgt Ion:107 Resp: 57907

Ion Ratio Lower Upper

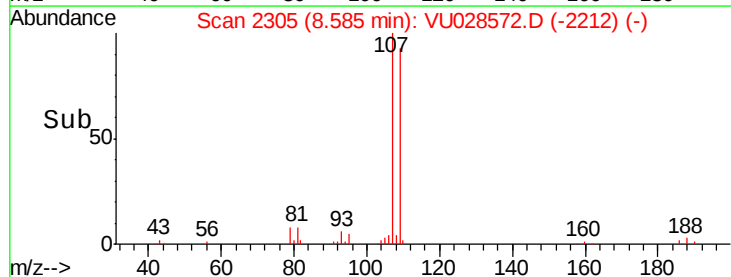
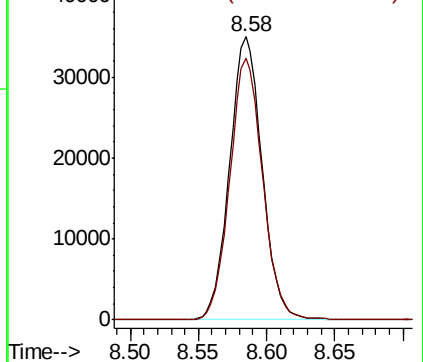
107 100

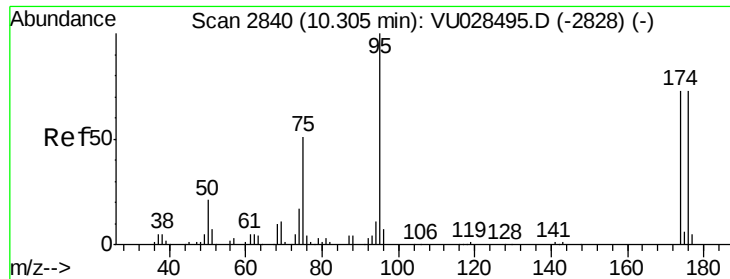
109 93.2 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





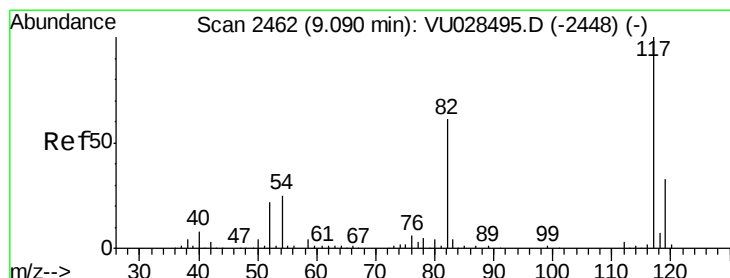
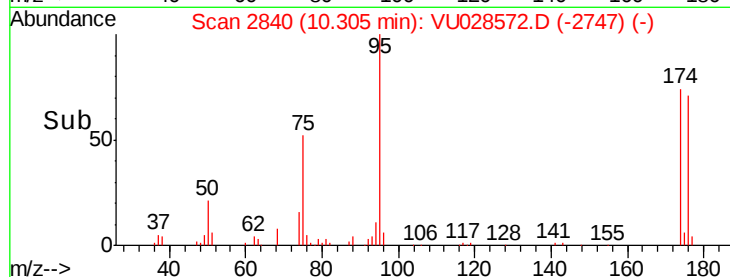
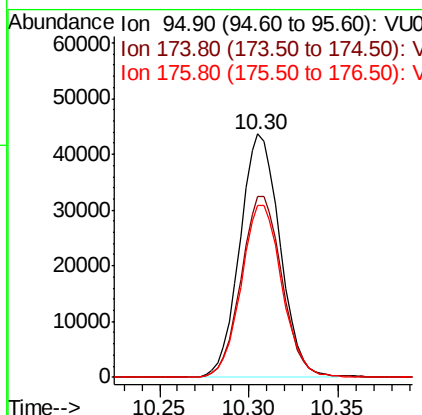
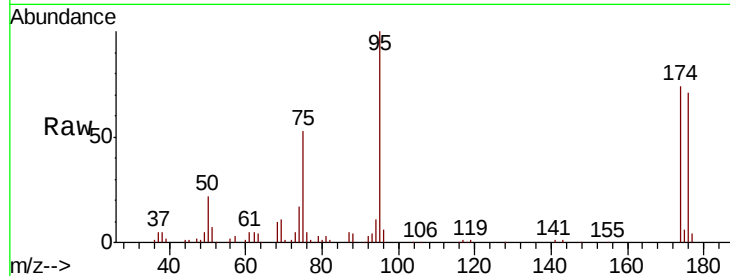
#62
4-Bromofluorobenzene
Concen: 50.900 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MSD

Tot Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	150.4
176	72.0	0.0	145.2

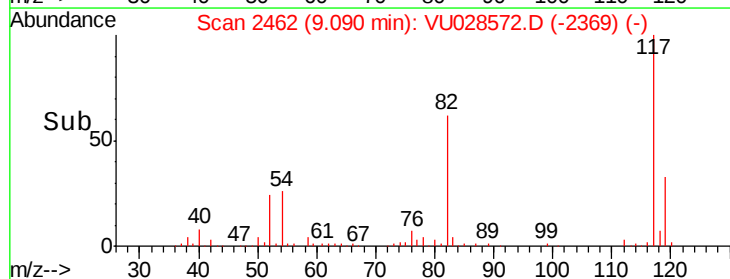
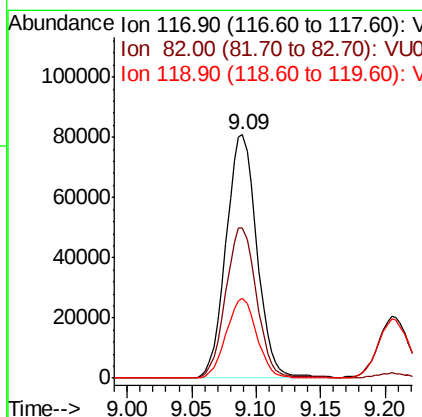
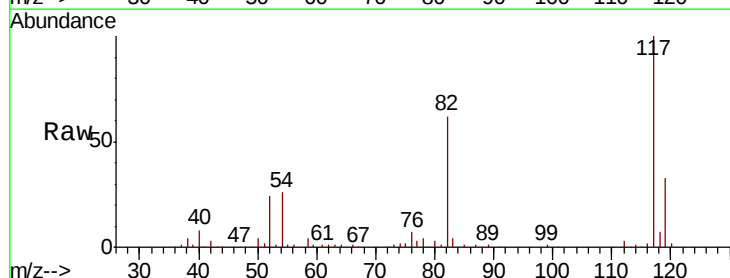
Manual Integrations
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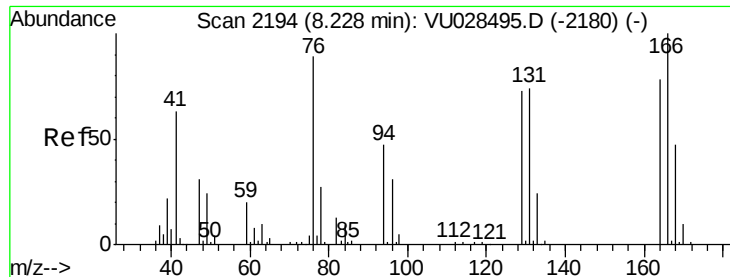
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.6	48.9	73.3
119	32.6	26.2	39.4





#64

Tetrachloroethene

Concen: 62.768 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MSD

Tot Ion:164 Resp: 56406

Ion Ratio Lower Upper

164 100

166 127.9 101.9 152.9

129 96.1 74.9 112.3

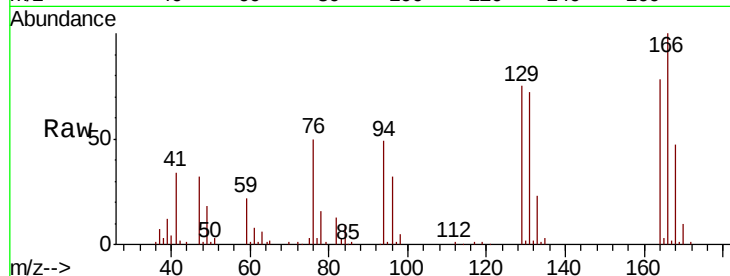
131 91.6 75.4 113.0

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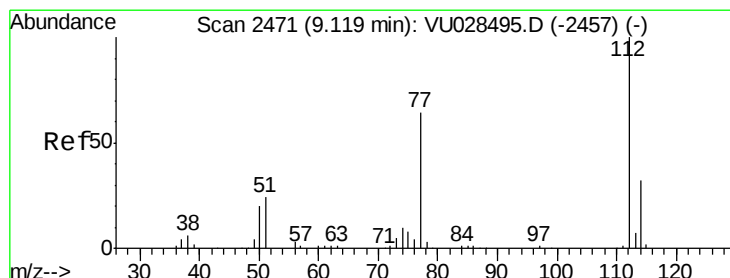
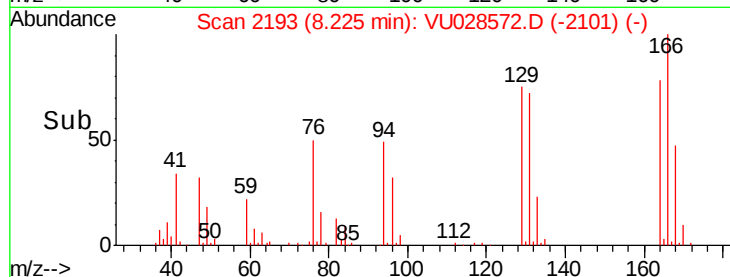
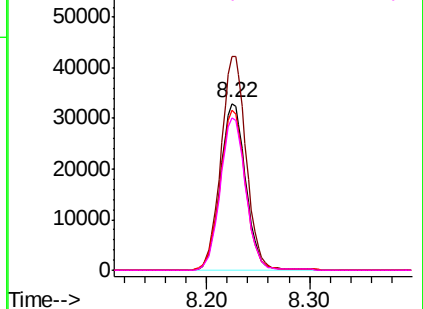
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 48.503 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028572.D

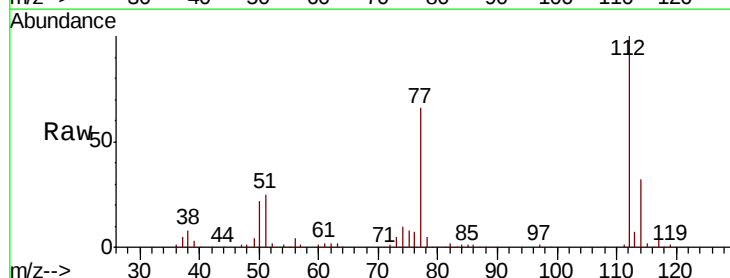
Acq: 10 Dec 2018 23:38

Tgt Ion:112 Resp: 139243

Ion Ratio Lower Upper

112 100

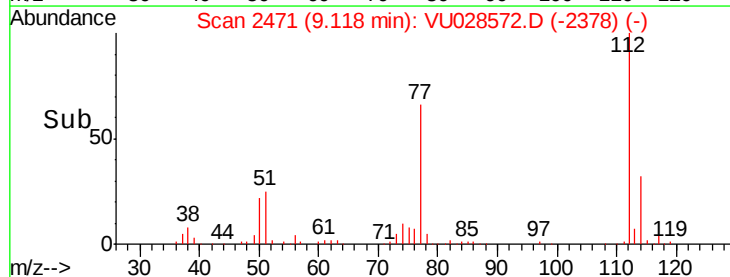
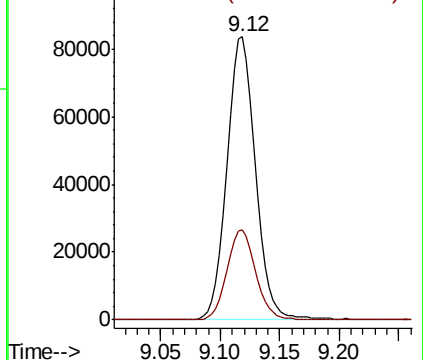
114 31.8 25.3 37.9

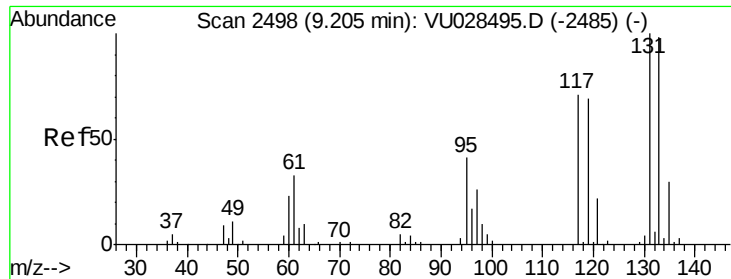


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 52.184 ug/l

RT: 9.21 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Instrument :

MSVOA_U

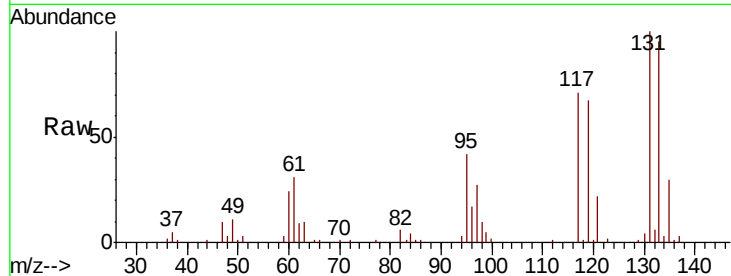
ClientSampleId :

RE-131D1-20181205MSD

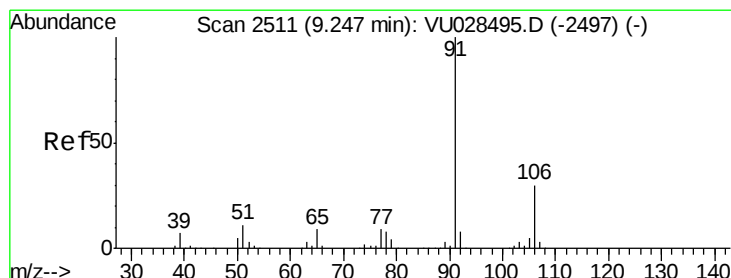
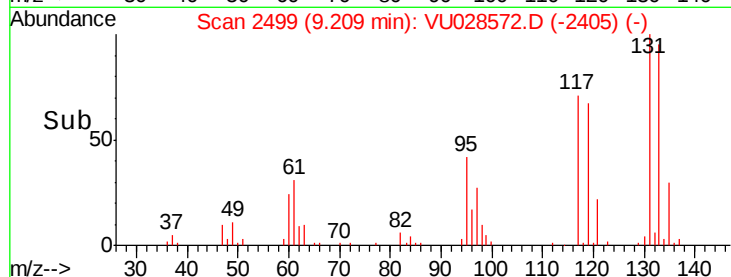
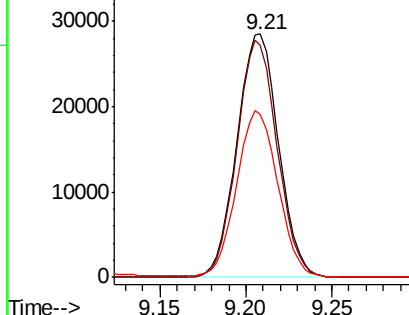
Tot Ion:131 Resp: 47840
 Ion Ratio Lower Upper
 131 100
 133 94.5 48.0 144.0
 119 68.2 34.6 103.9

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Abundance Ion 130.80 (130.50 to 131.50): V
 Ion 132.80 (132.50 to 133.50): V
 Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 49.120 ug/l

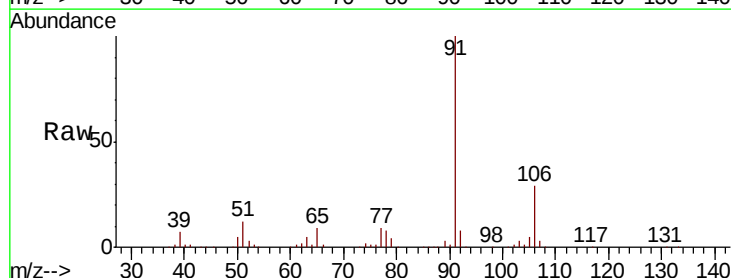
RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

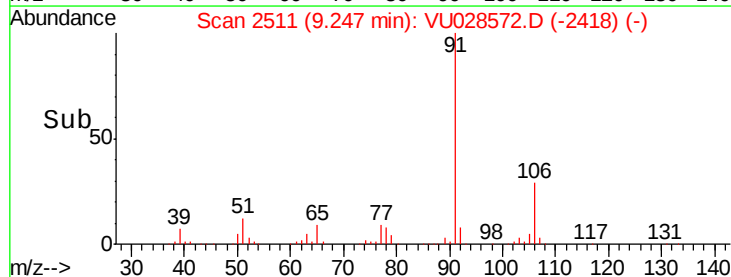
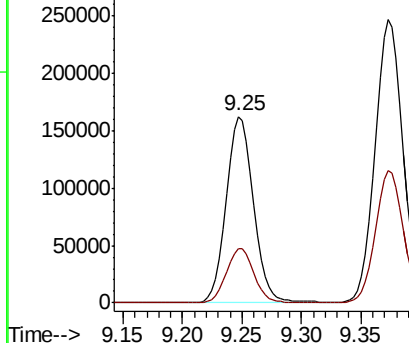
Lab File: VU028572.D

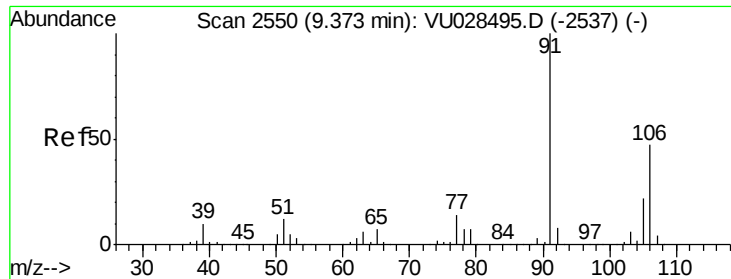
Acq: 10 Dec 2018 23:38

Tgt Ion: 91 Resp: 259232
 Ion Ratio Lower Upper
 91 100
 106 29.1 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 106.00 (105.70 to 106.70): V





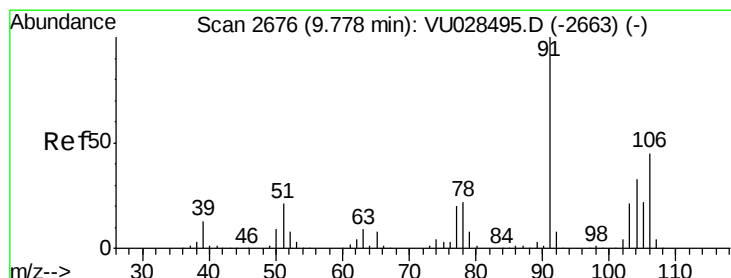
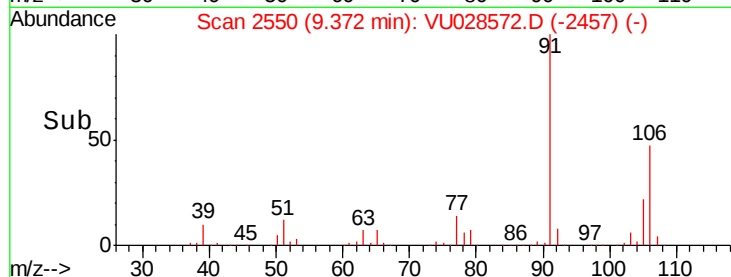
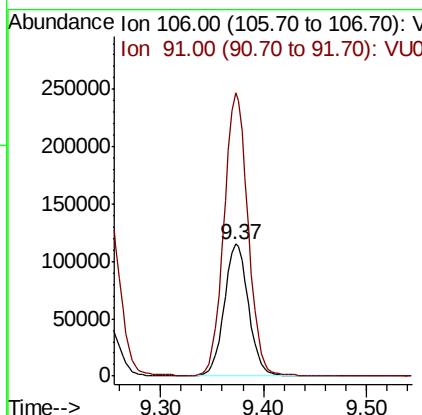
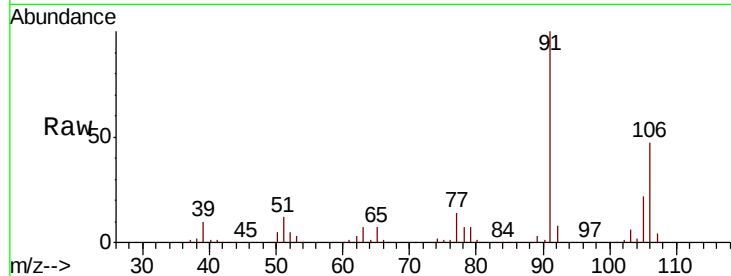
#68
m/p-Xylenes
Concen: 98.286 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MSD

Tot Ion:106 Resp: 188744
Ion Ratio Lower Upper
106 100
91 212.7 167.4 251.0

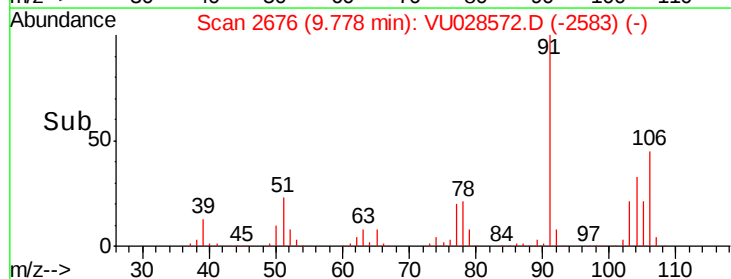
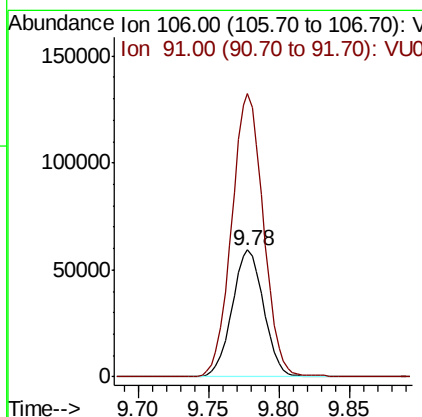
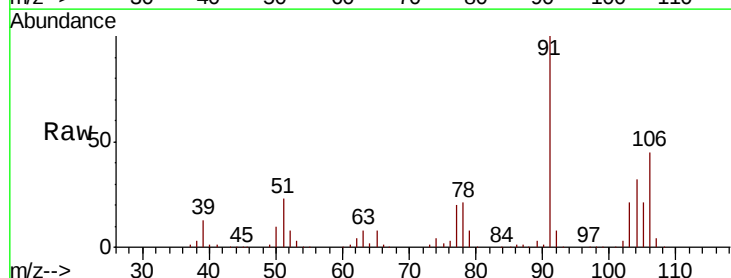
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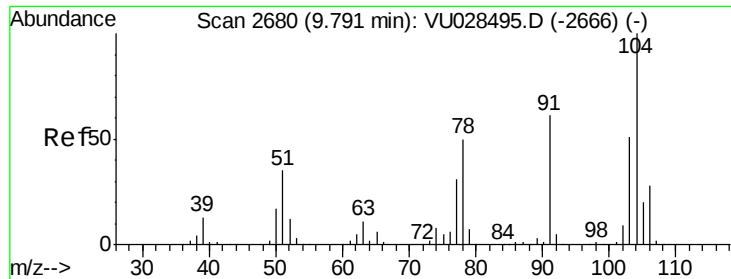
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#69
o-Xylene
Concen: 50.071 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Tgt Ion:106 Resp: 93442
Ion Ratio Lower Upper
106 100
91 223.6 111.3 334.0





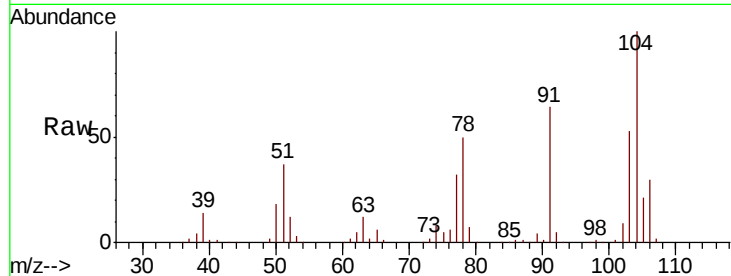
#70
Stvrene
Concen: 49.608 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.0	43.0	64.6
103	56.1	44.2	66.4

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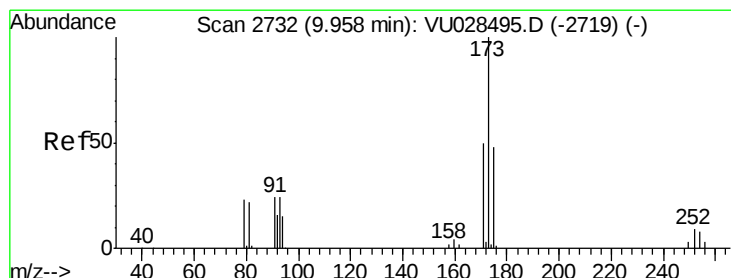
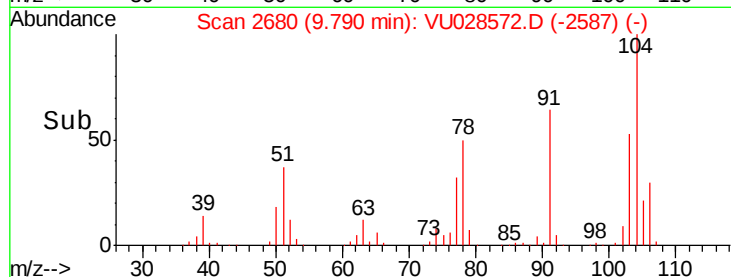
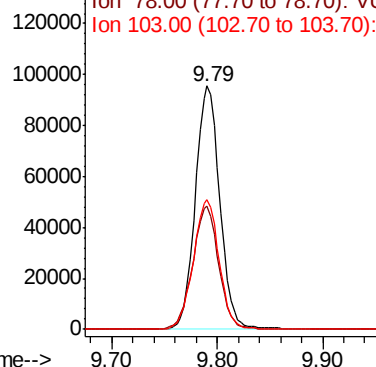


Abundance

Ion 104.00 (103.70 to 104.70): V

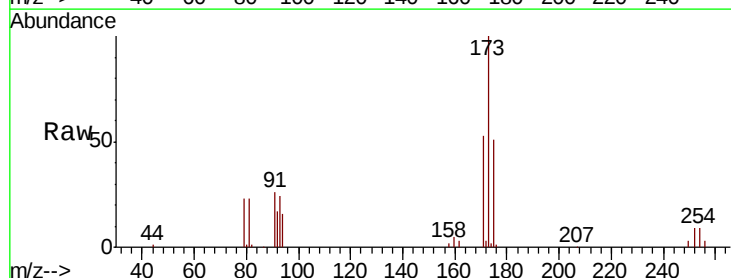
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71
Bromoform
Concen: 51.601 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.8	23.9	71.8
254	0.0	0.0	0.0

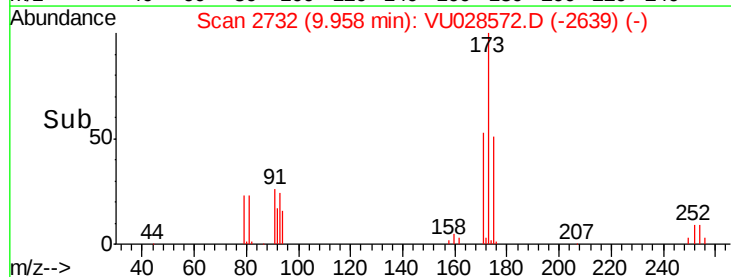
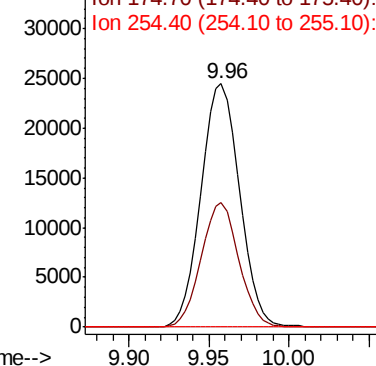


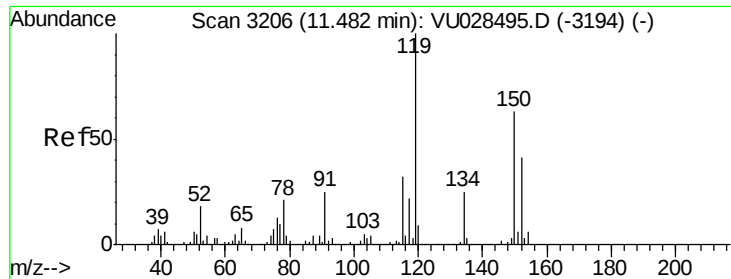
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MSD

Tot Ion:152 Resp: 65164

Ion Ratio Lower Upper

152 100

115 85.3 42.7 128.1

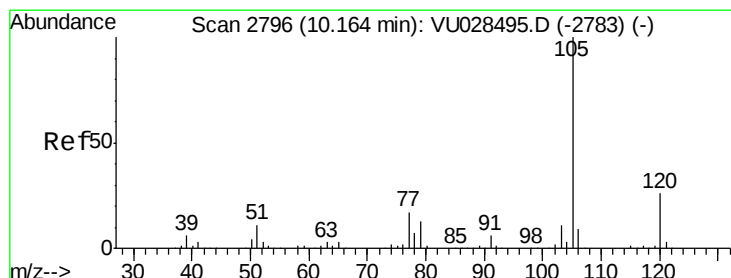
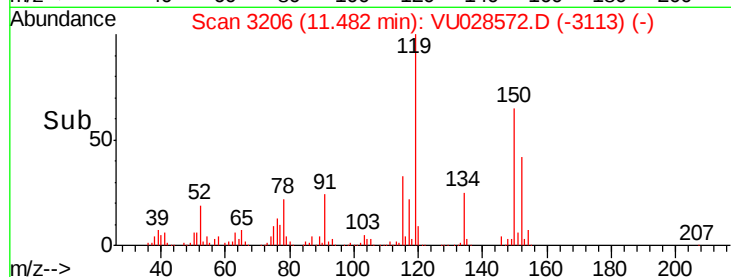
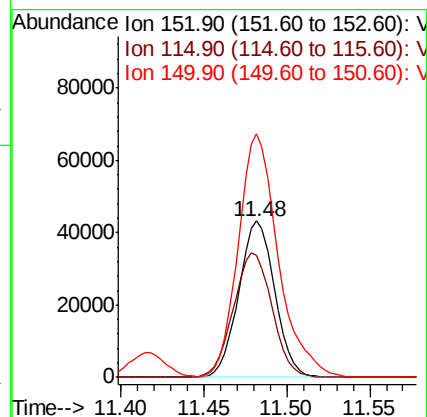
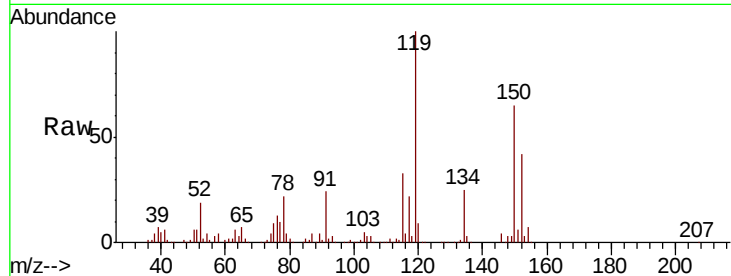
150 173.7 0.0 346.0

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#73

Isopropylbenzene

Concen: 49.615 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028572.D

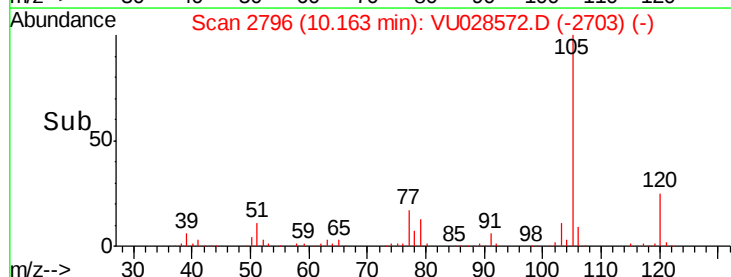
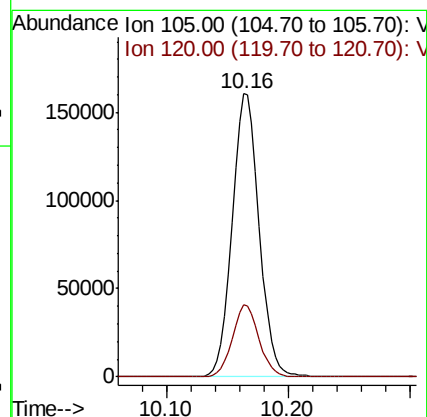
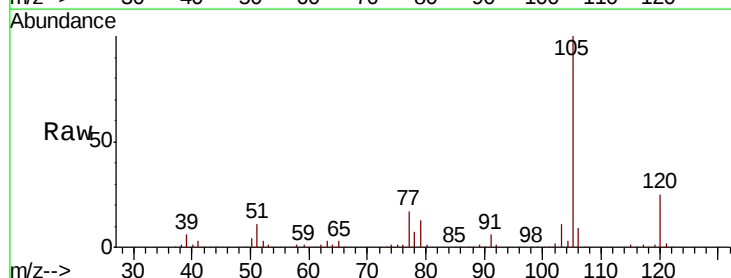
Acq: 10 Dec 2018 23:38

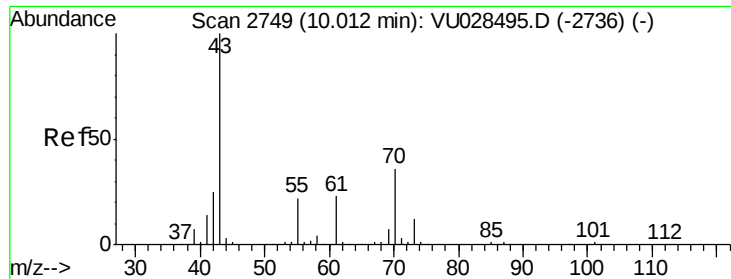
Tgt Ion:105 Resp: 248090

Ion Ratio Lower Upper

105 100

120 25.2 12.9 38.6





#74

N-amvl acetate

Concen: 48.116 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Instrument :

MSVOA_U

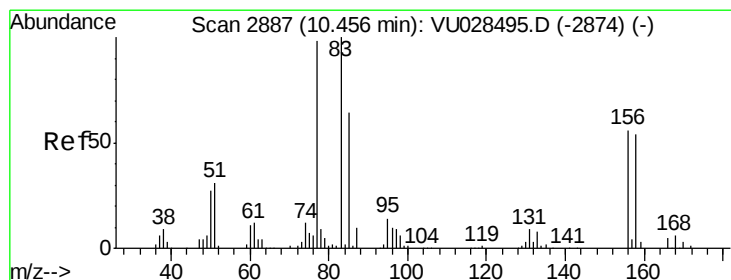
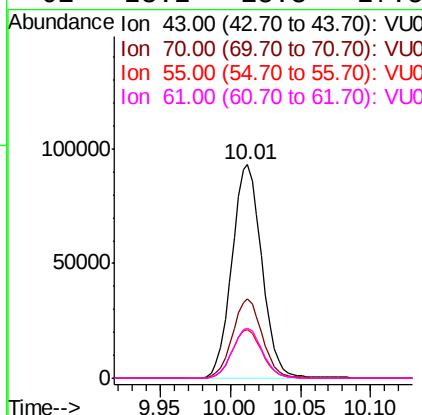
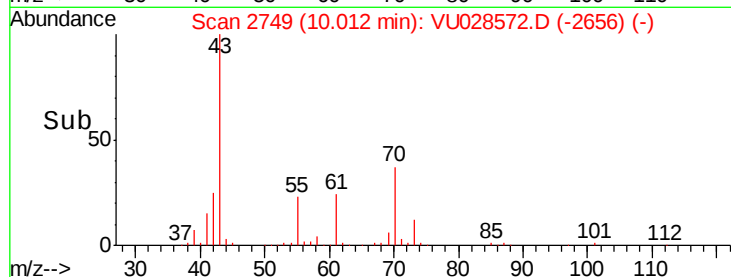
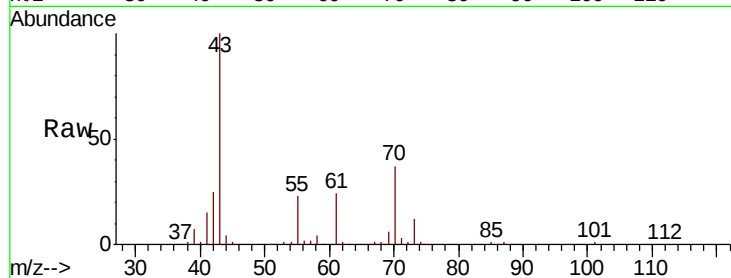
ClientSampleId :

RE-131D1-20181205MSD

Tot Ion:	43	Resp:	138780
Ion Ratio	Lower	Upper	
43	100		
70	36.8	29.3	43.9
55	22.9	18.0	27.0
61	23.2	18.3	27.5

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#75

1,1,2,2-Tetrachloroethane

Concen: 52.826 ug/l

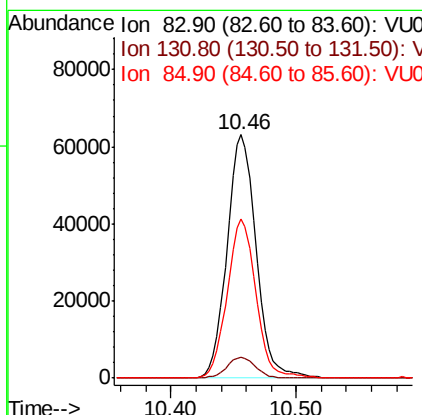
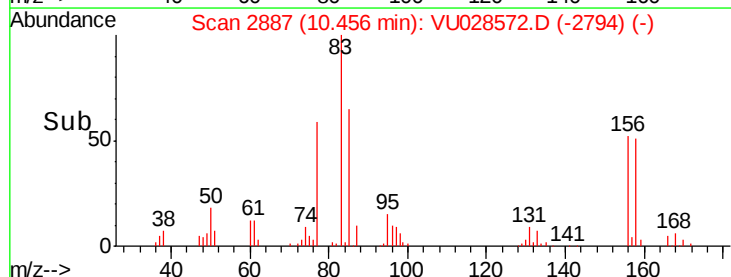
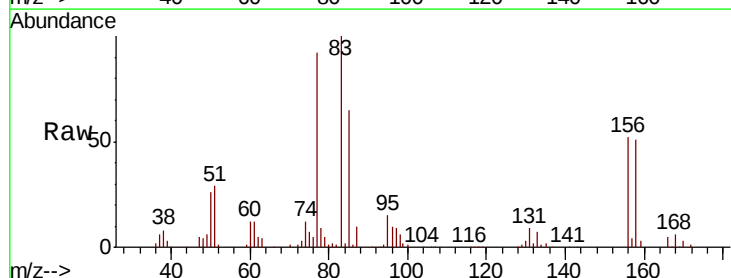
RT: 10.46 min Scan# 2887

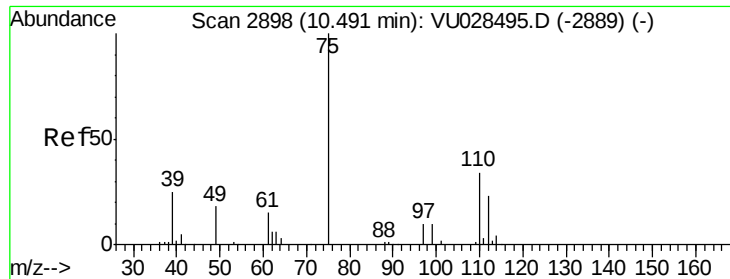
Delta R.T. -0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Tgt Ion:	83	Resp:	101470
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.2	12.4
85	64.8	31.8	95.4





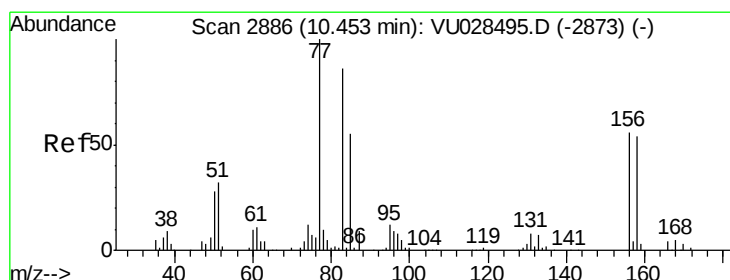
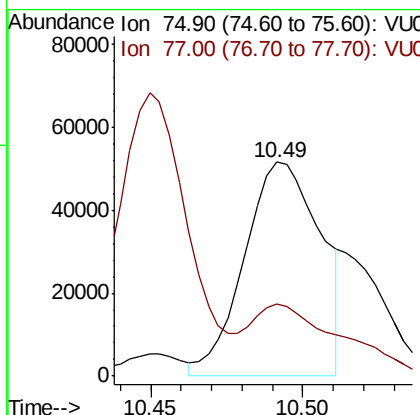
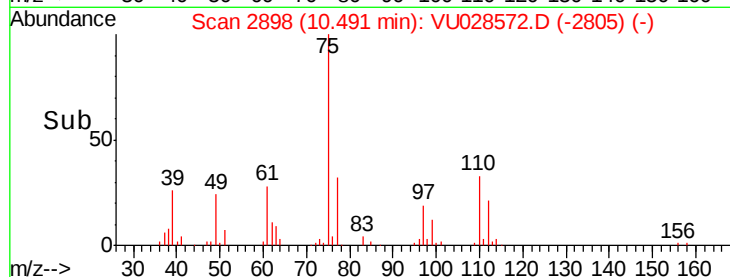
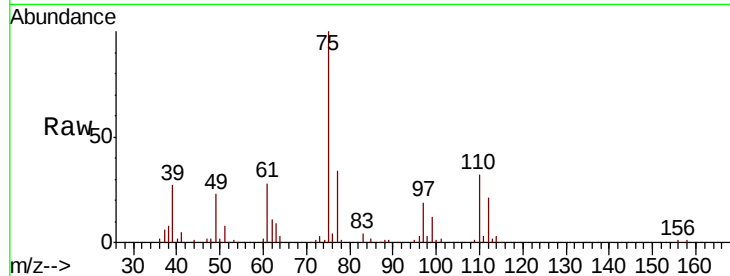
#76
 1,2,3-Trichloropropane
 Concen: 53.910 ug/l m
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MSD

Tot Ion: 75 Resp: 89705
 Ion Ratio Lower Upper
 75 100
 77 40.2 20.8 62.4

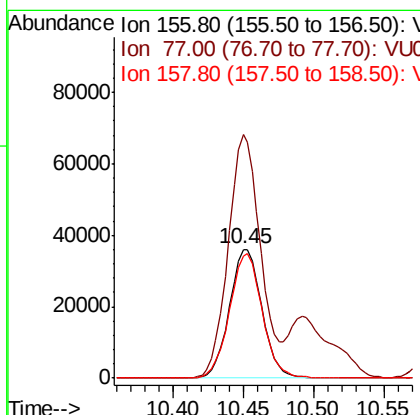
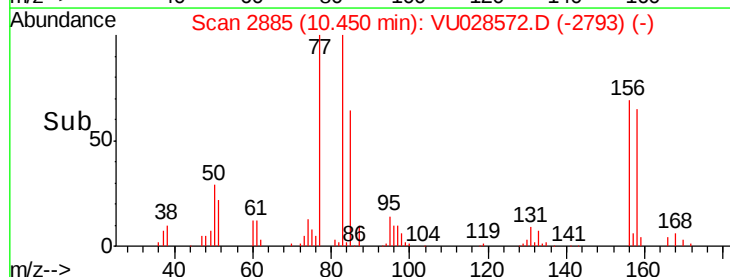
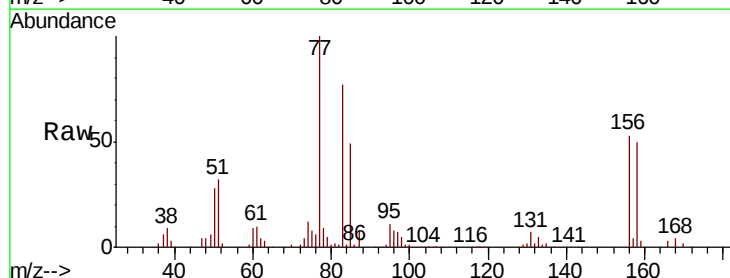
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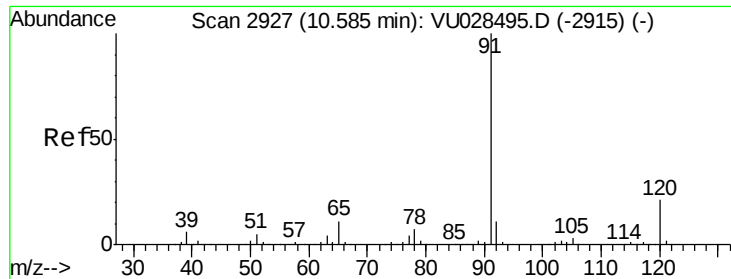
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#77
 Bromobenzene
 Concen: 49.721 ug/l
 RT: 10.45 min Scan# 2885
 Delta R.T. -0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Tgt Ion: 156 Resp: 58146
 Ion Ratio Lower Upper
 156 100
 77 186.9 92.4 277.2
 158 97.1 48.4 145.3





#78

n-propylbenzene

Concen: 48.412 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MSD

Tot Ion: 91 Resp: 300801

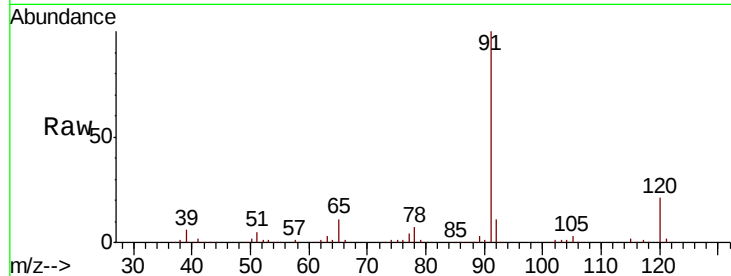
Ion Ratio Lower Upper

91 100

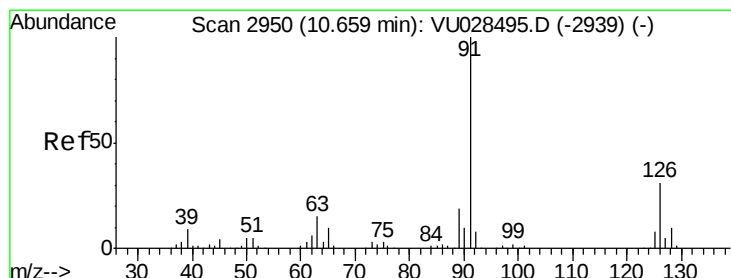
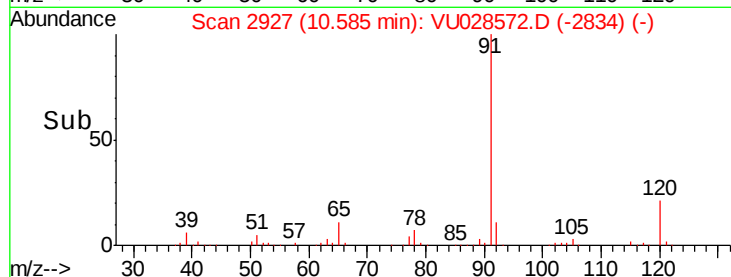
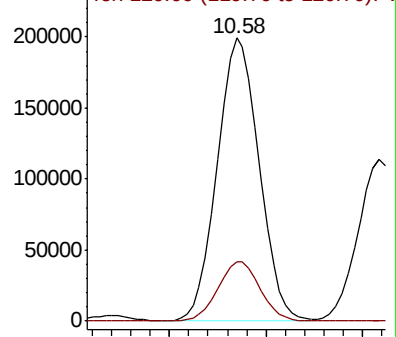
120 21.1 10.6 31.8

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Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2915) (-)



#79

2-Chlorotoluene

Concen: 49.579 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028572.D

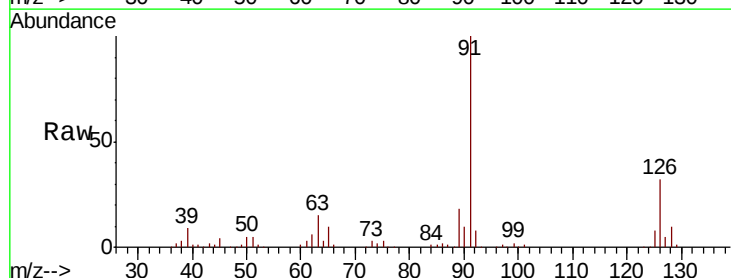
Acq: 10 Dec 2018 23:38

Tgt Ion: 91 Resp: 177444

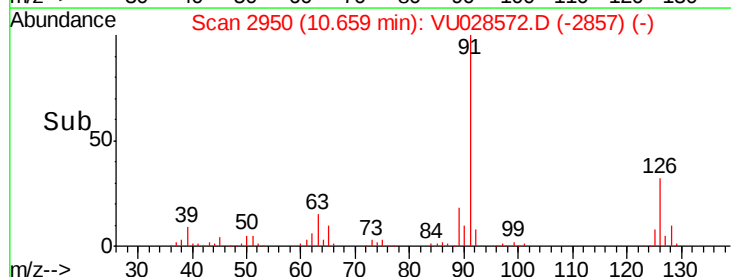
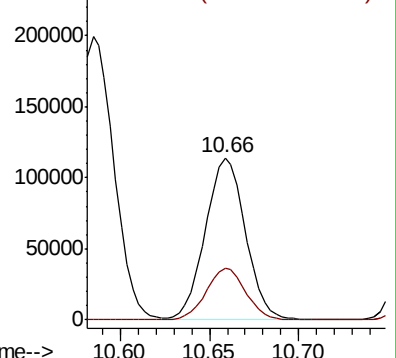
Ion Ratio Lower Upper

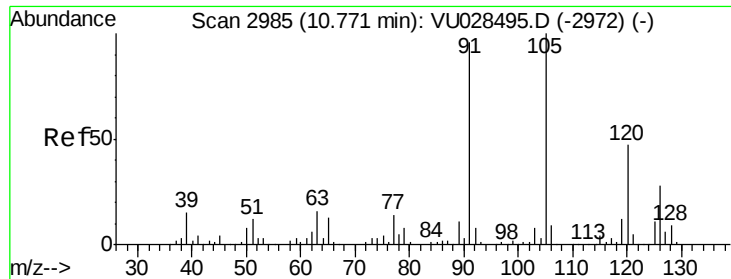
91 100

126 31.8 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2939) (-)





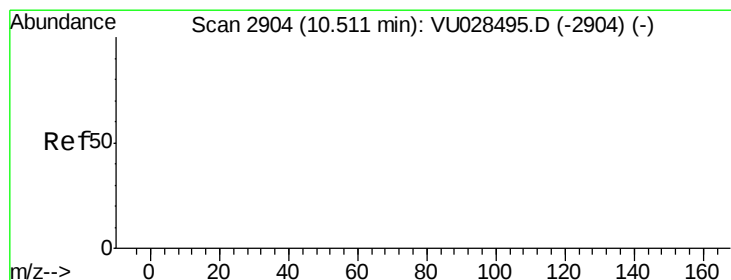
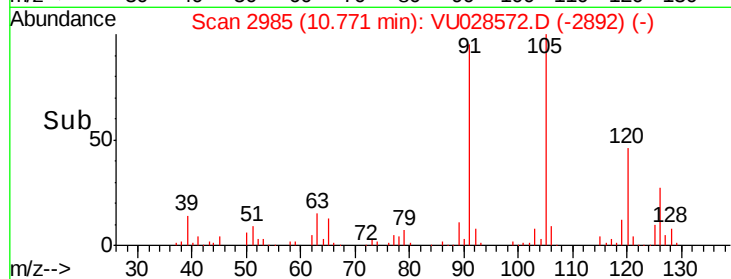
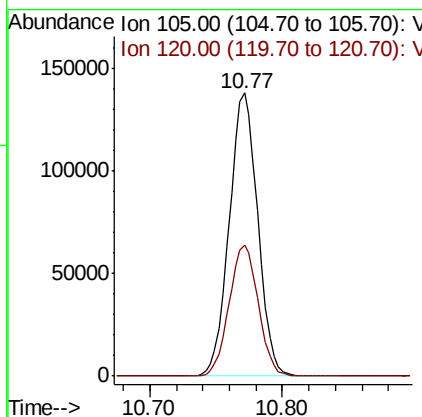
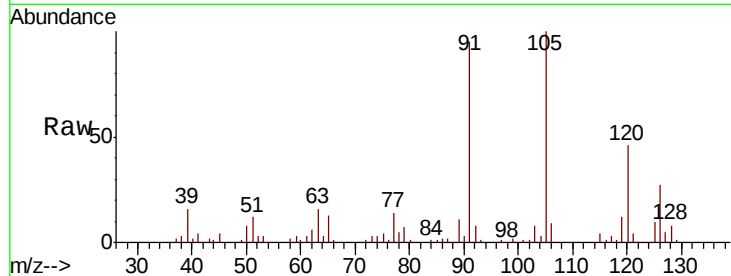
#80
 1,3,5-Trimethylbenzene
 Concen: 49.652 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MSD

Tot Ion:105 Resp: 205514
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.7 71.1

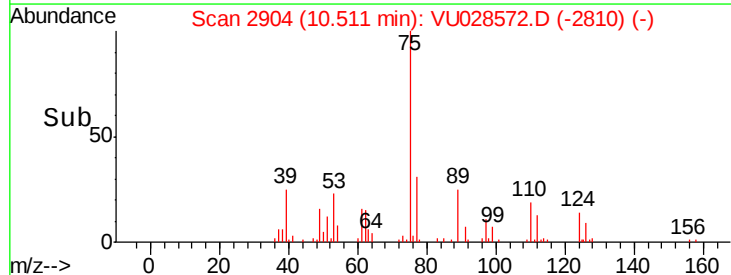
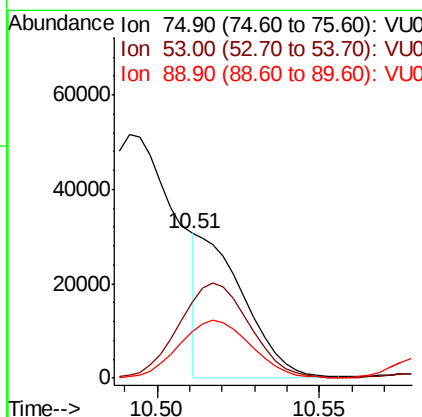
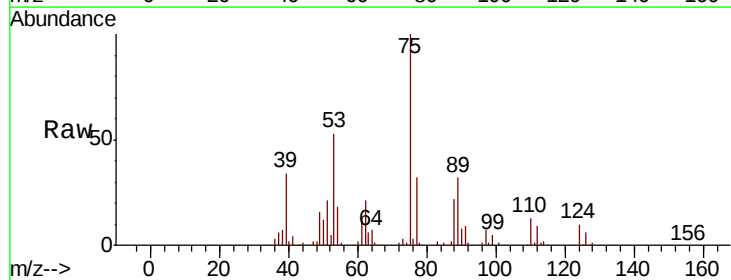
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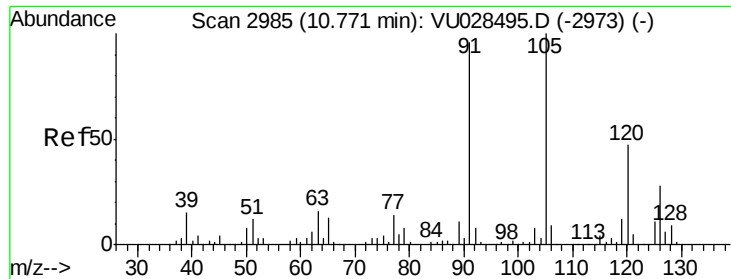
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.731 ug/l m
 RT: 10.51 min Scan# 2904
 Delta R.T. 0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Tgt Ion: 75 Resp: 30235
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





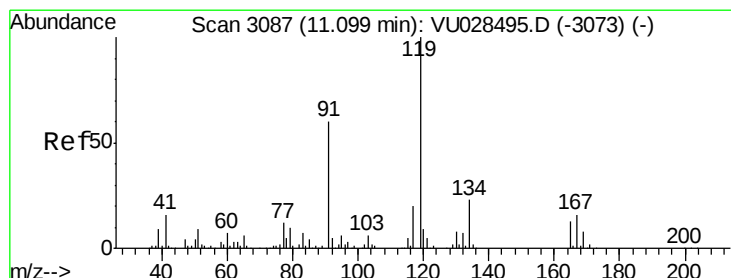
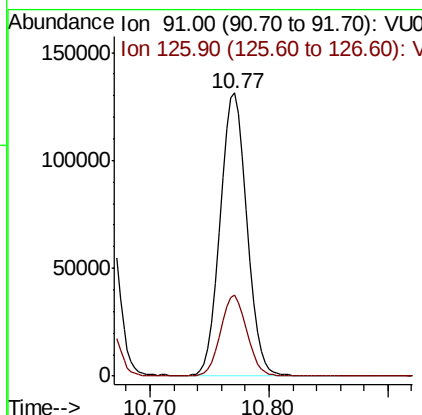
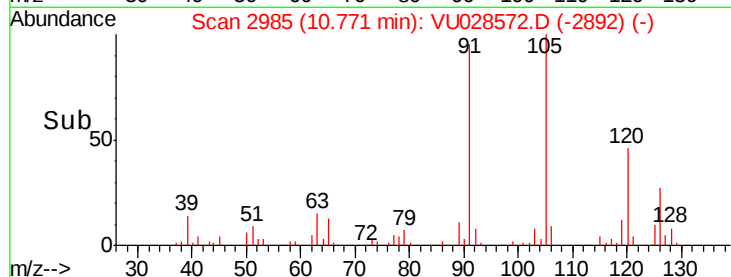
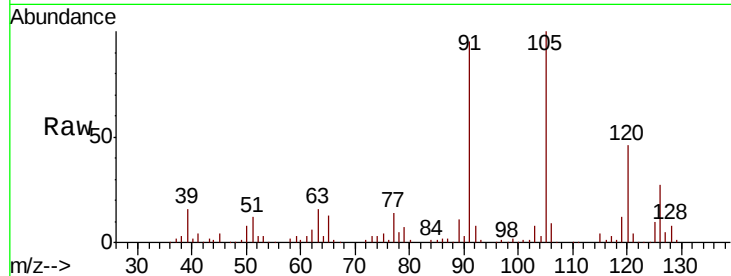
#82
 4-Chlorotoluene
 Concen: 48.067 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MSD

Tot Ion: 91 Resp: 203861
 Ion Ratio Lower Upper
 91 100
 126 28.2 14.1 42.3

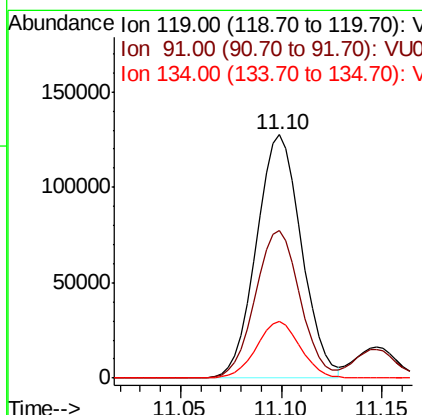
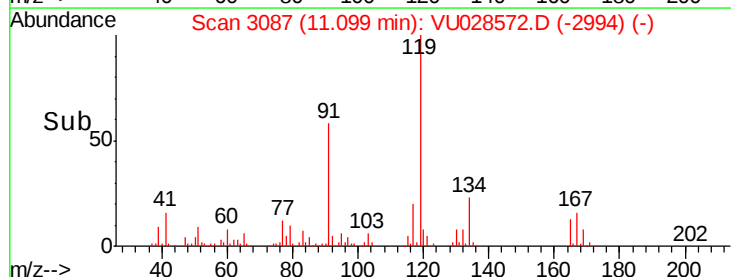
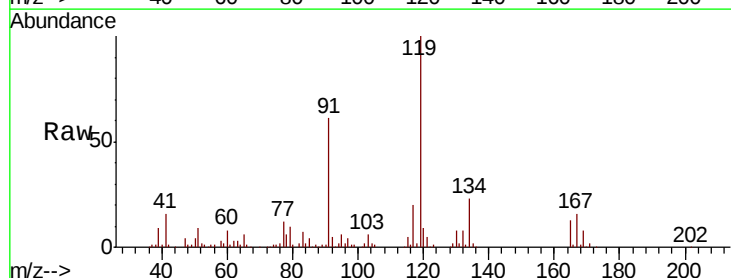
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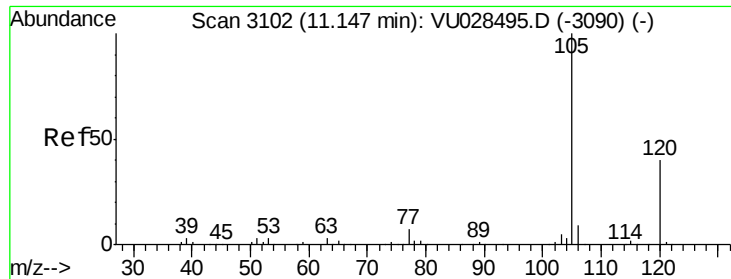
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#83
 tert-Butylbenzene
 Concen: 49.869 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Tgt Ion: 119 Resp: 198954
 Ion Ratio Lower Upper
 119 100
 91 60.7 30.3 91.0
 134 22.5 11.2 33.5





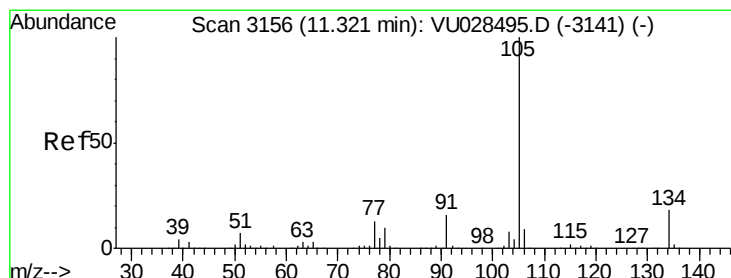
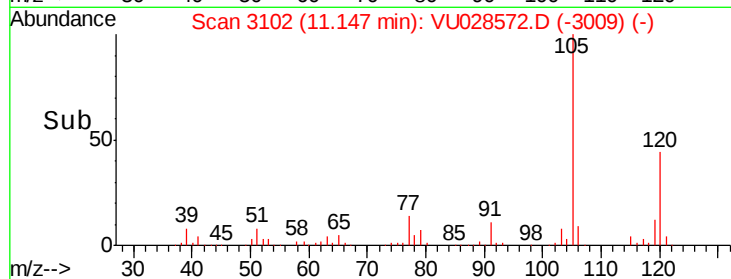
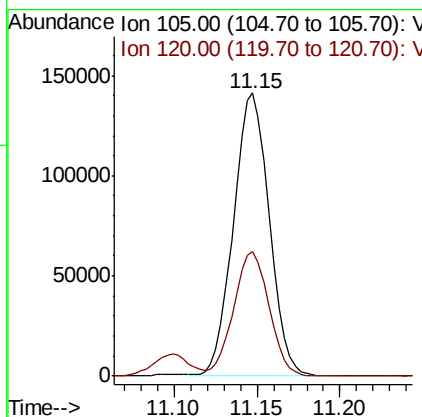
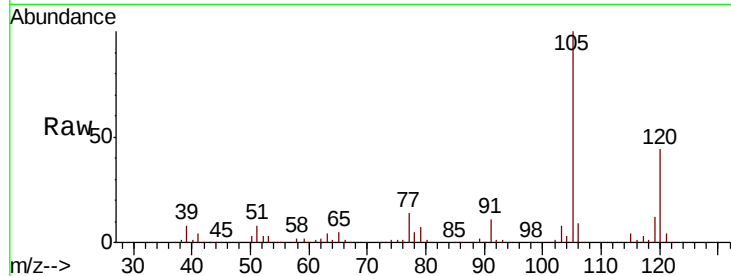
#84
 1,2,4-Trimethylbenzene
 Concen: 49.646 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MSD

Tot Ion	Ratio	Resp	Lower	Upper
105	100	211772		
120	43.8	21.8	65.4	

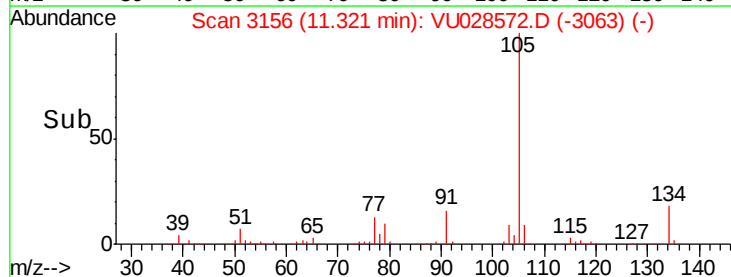
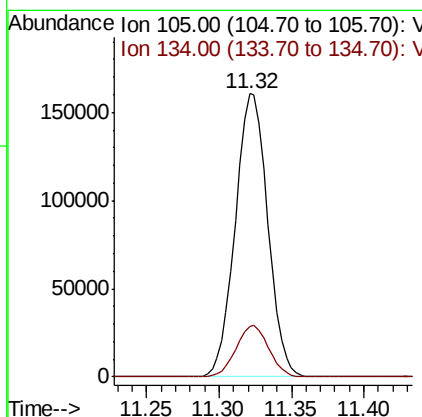
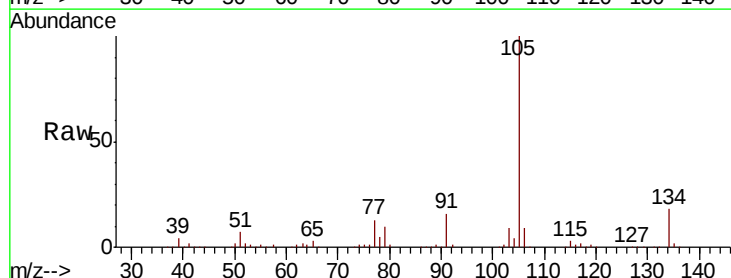
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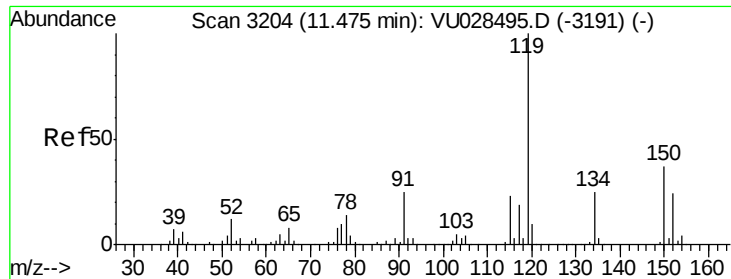
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#85
 sec-Butylbenzene
 Concen: 48.694 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	249565		
134	18.2	9.2	27.6	





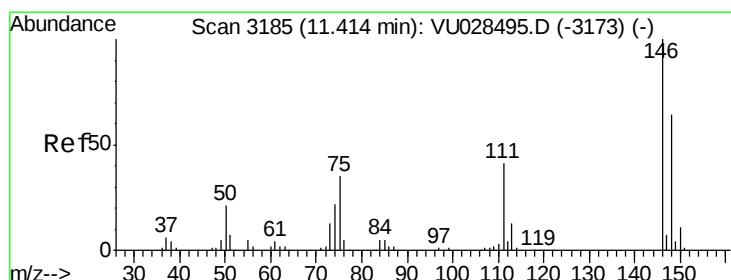
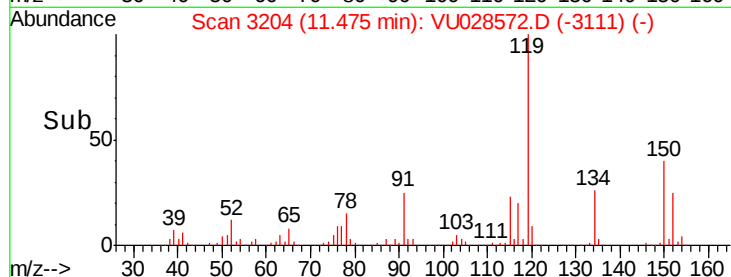
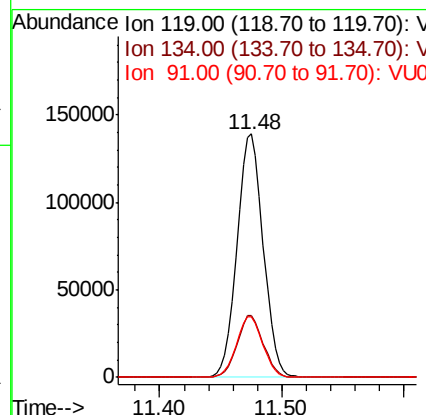
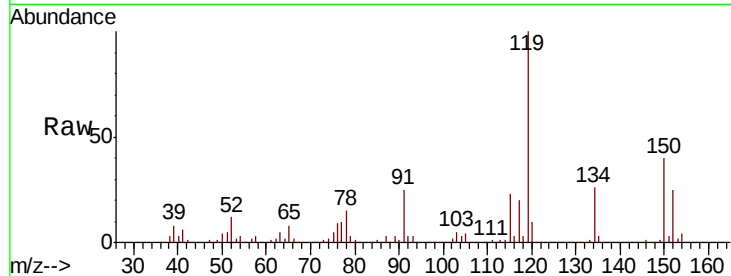
#86
 p-Isopropyltoluene
 Concen: 47.600 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.7	38.1
91	25.1	12.6	37.6

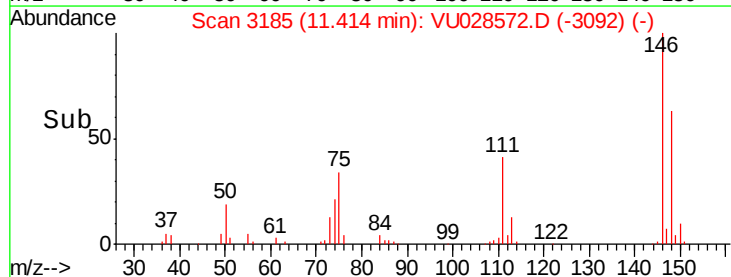
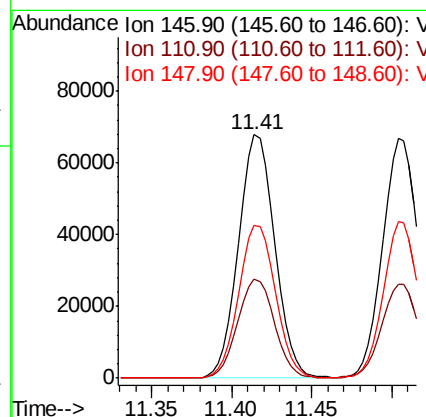
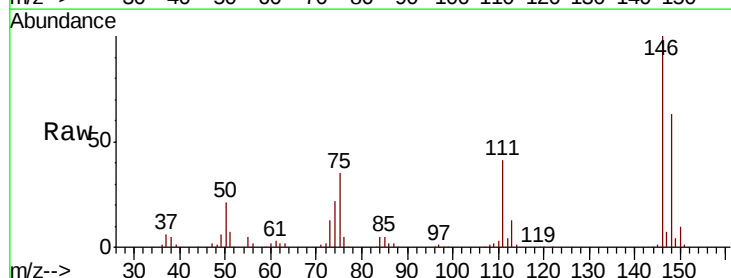
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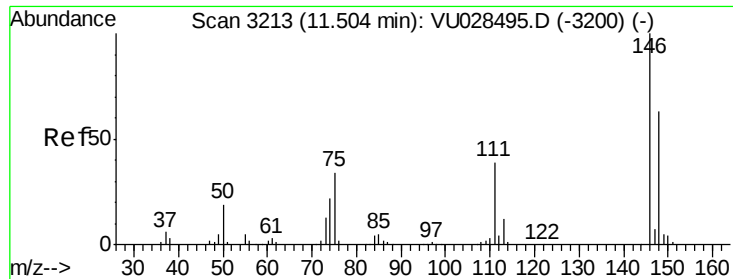
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#87
 1,3-Dichlorobenzene
 Concen: 47.493 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.7	62.1
148	63.8	31.9	95.7





#88

1,4-Dichlorobenzene

Concen: 45.849 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Instrument :

MSVOA_U

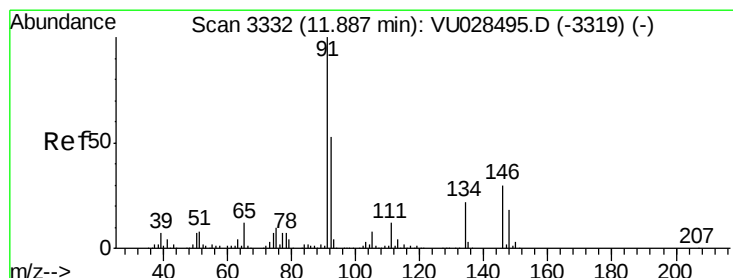
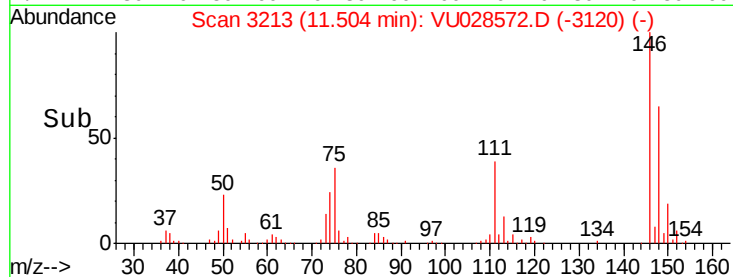
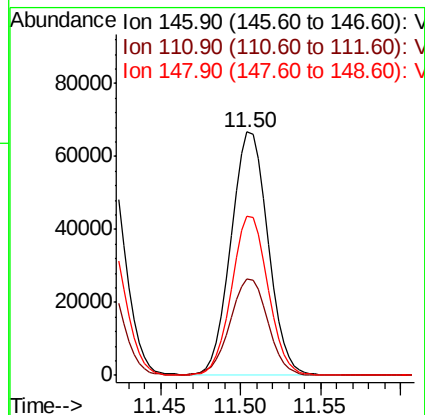
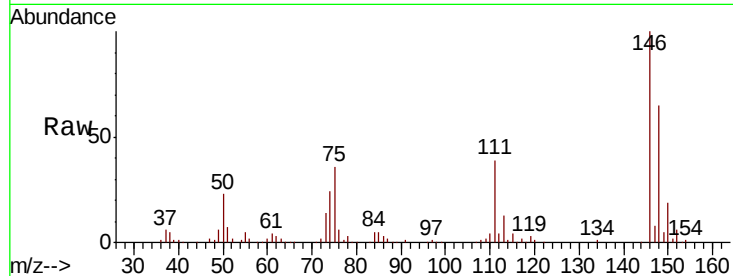
ClientSampleId :

RE-131D1-20181205MSD

Tot Ion:	146	Resp:	104749
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.2	60.5
148	64.6	31.6	95.0

Manual Integrations
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#89

n-Butylbenzene

Concen: 45.205 ug/l

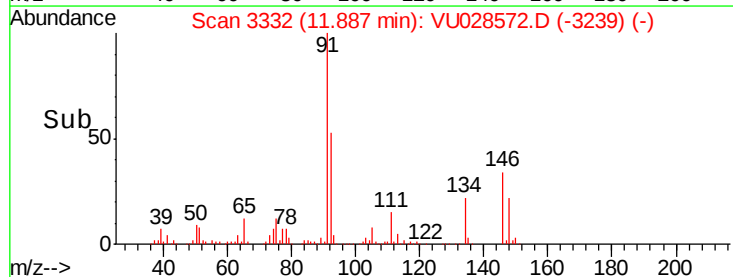
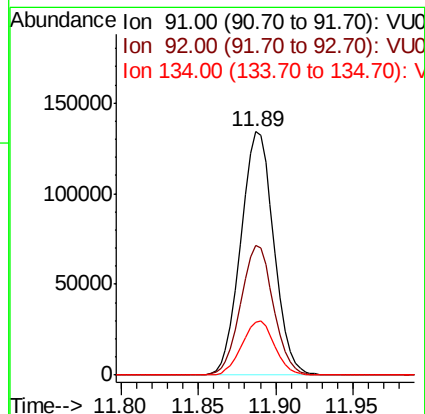
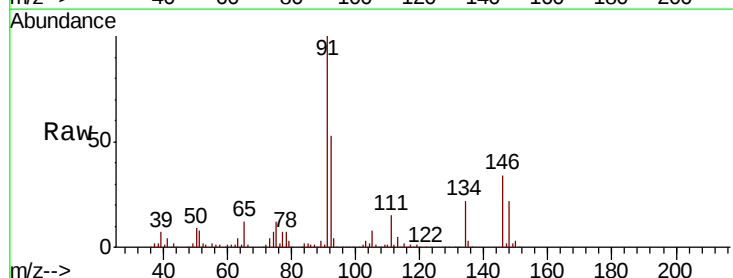
RT: 11.89 min Scan# 3332

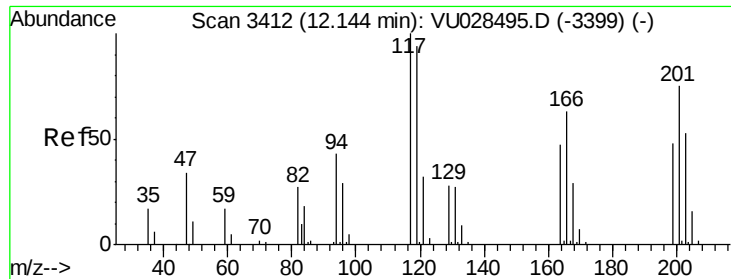
Delta R.T. -0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Tgt Ion:	91	Resp:	199178
Ion Ratio	Lower	Upper	
91	100		
92	52.7	26.3	78.9
134	22.2	11.3	33.8





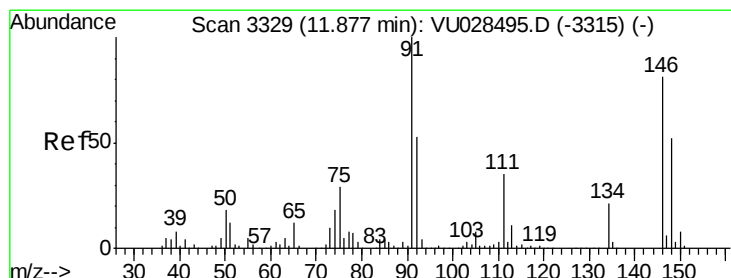
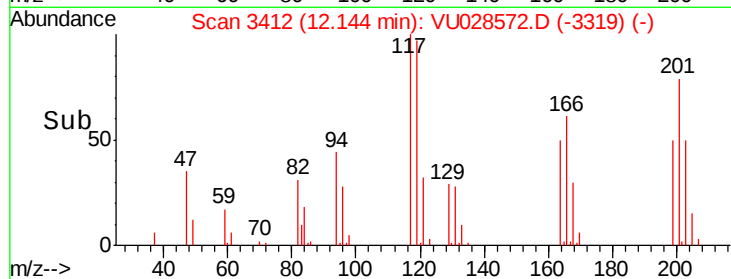
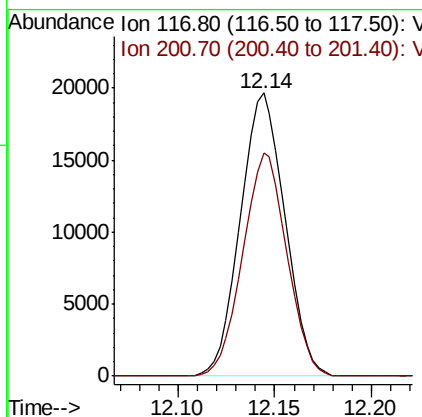
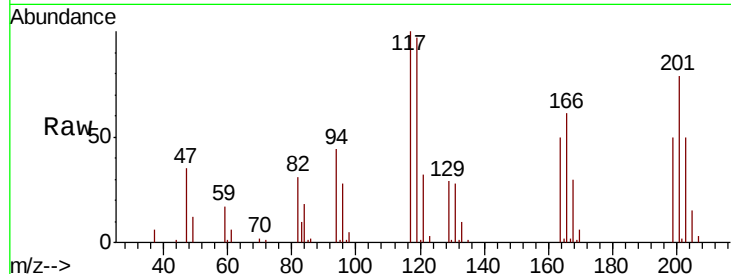
#90
Hexachloroethane
Concen: 47.867 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MSD

Tot Ion:117 Resp: 31499
Ion Ratio Lower Upper
117 100
201 77.9 38.1 114.5

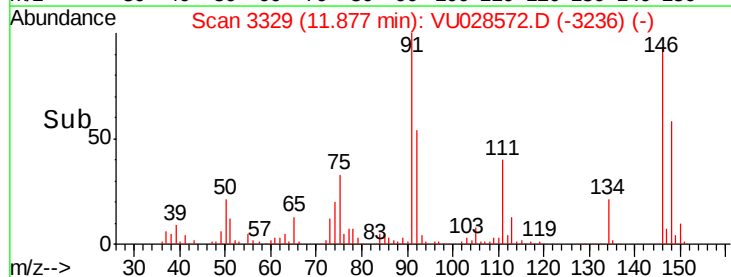
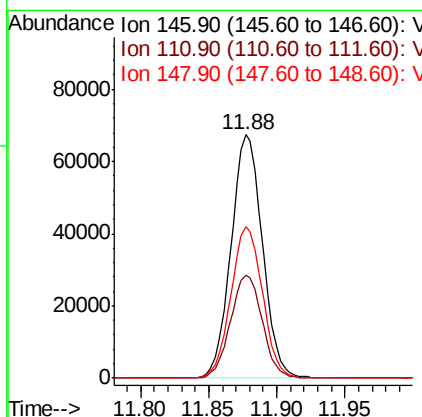
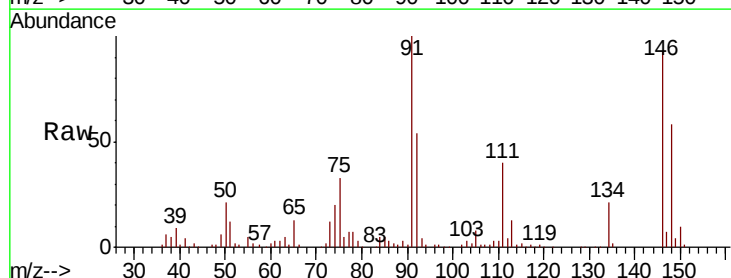
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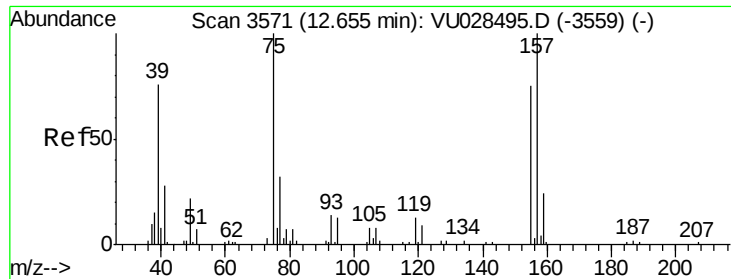
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#91
1,2-Dichlorobenzene
Concen: 48.677 ug/l
RT: 11.88 min Scan# 3329
Delta R.T. -0.00 min
Lab File: VU028572.D
Acq: 10 Dec 2018 23:38

Tgt Ion:146 Resp: 107519
Ion Ratio Lower Upper
146 100
111 42.8 21.1 63.4
148 62.7 31.4 94.2





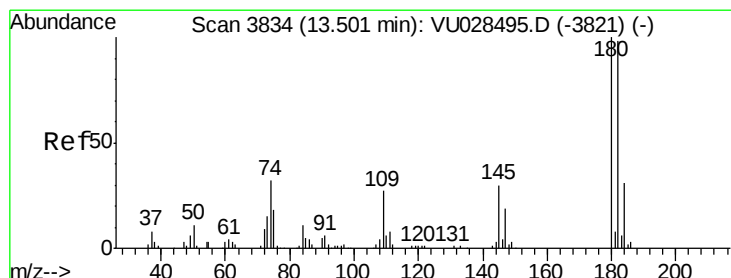
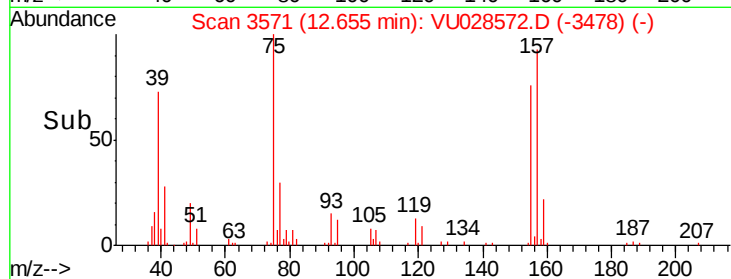
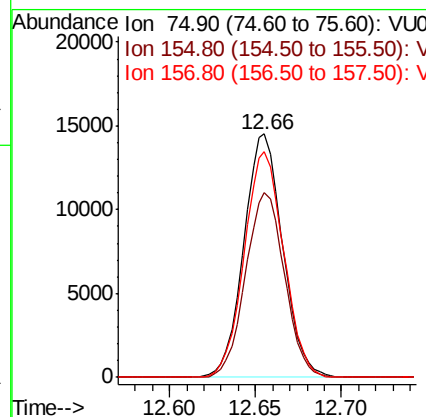
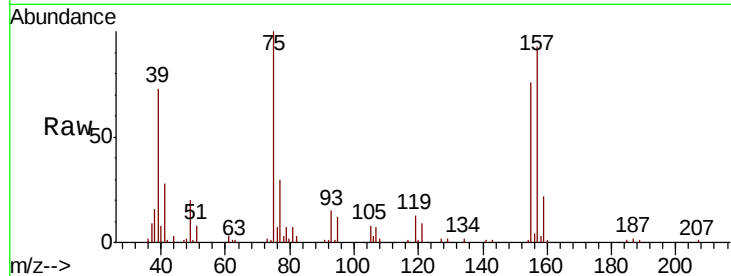
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.880 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MSD

Tot Ion: 75 Resp: 22822
 Ion Ratio Lower Upper
 75 100
 155 75.9 38.1 114.5
 157 93.8 48.7 146.1

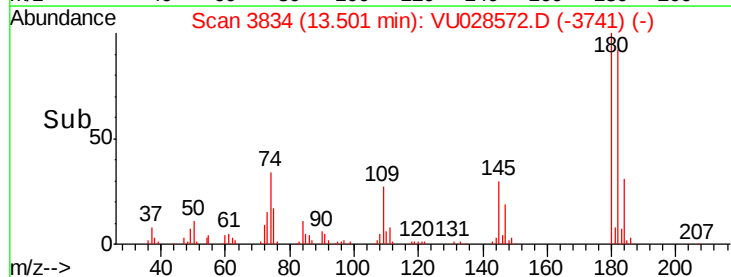
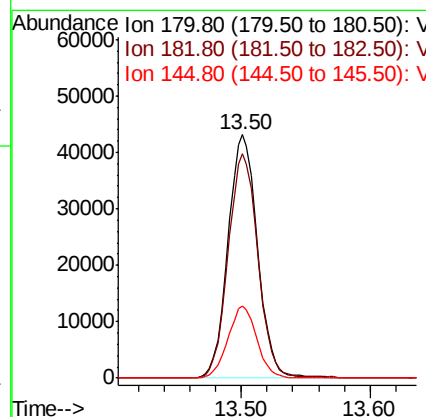
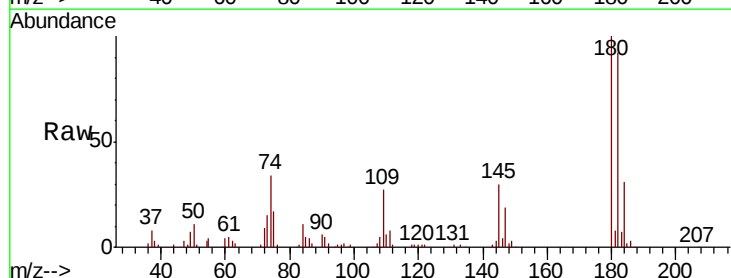
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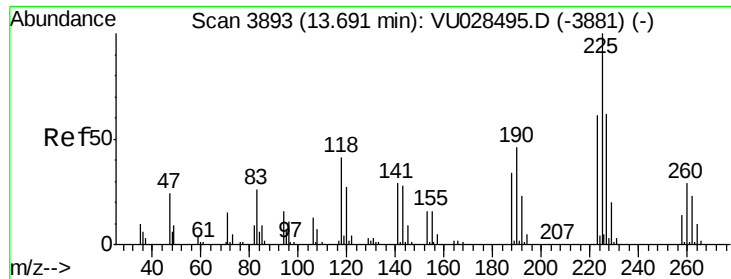
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#93
 1,2,4-Trichlorobenzene
 Concen: 45.096 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Tgt Ion: 180 Resp: 68320
 Ion Ratio Lower Upper
 180 100
 182 92.7 47.9 143.8
 145 28.9 15.0 45.1





#94

Hexachlorobutadiene

Concen: 42.887 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Instrument :

MSVOA_U

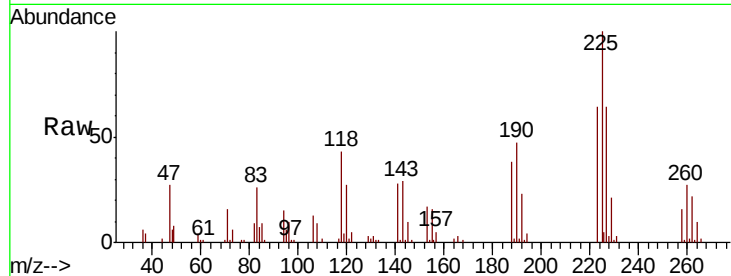
ClientSampleId :

RE-131D1-20181205MSD

Tot Ion:	225	Resp:	31030
Ion Ratio		Lower	Upper
225	100		
223	62.6	30.4	91.2
227	62.8	30.7	92.1

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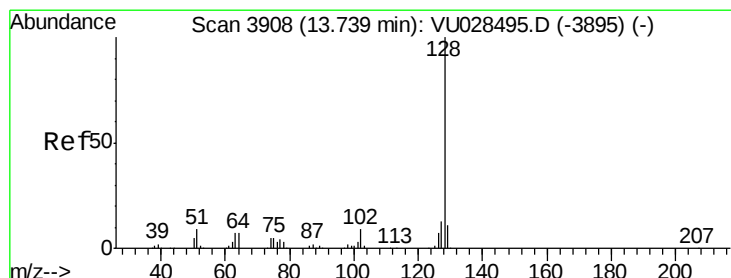
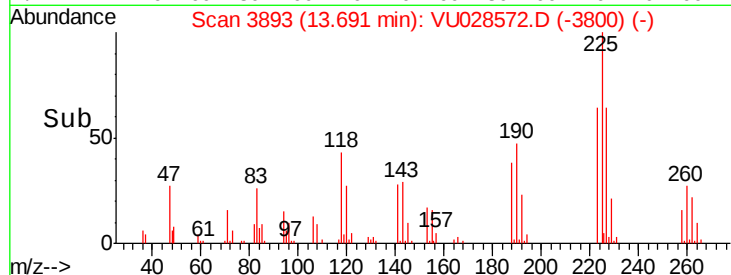
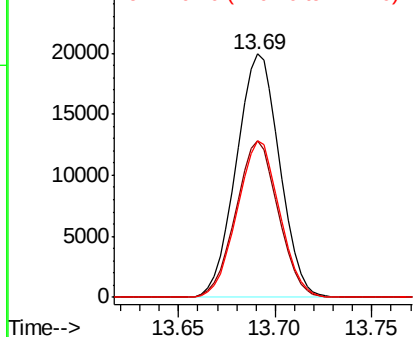


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 47.396 ug/l

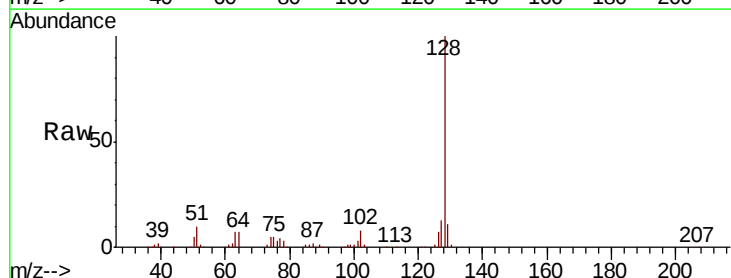
RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028572.D

Acq: 10 Dec 2018 23:38

Tgt Ion:	128	Resp:	251212
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.6	8.6	13.0

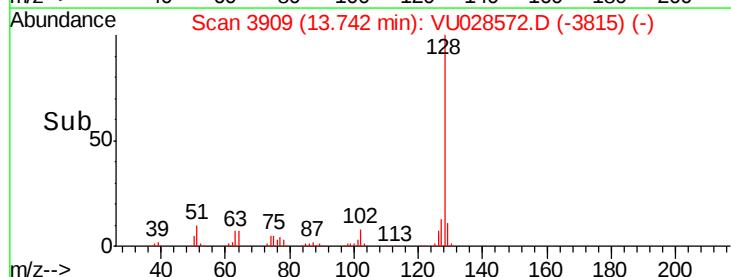
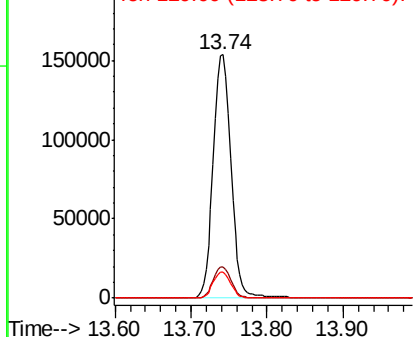


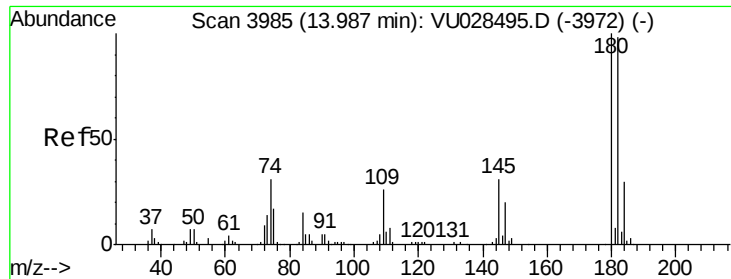
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 46.808 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU028572.D
 Acq: 10 Dec 2018 23:38

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.2	144.6
145	31.0	15.8	47.3

Manual Integrations
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