

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028599.D
 Acq On : 11 Dec 2018 11:18
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 3:03:04 PM

Quant Time: Dec 11 13:30:28 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	93885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	163765	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	152042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	74835	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	71405	49.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.68%	
35) Dibromofluoromethane	4.88	113	51723	50.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.38%	
50) Toluene-d8	7.57	98	205157	50.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	10.30	95	75493	49.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	62819	49.920	ug/l	98
3) Chloromethane	1.33	50	109146	47.177	ug/l	99
4) Vinyl Chloride	1.40	62	84957	50.884	ug/l	98
5) Bromomethane	1.61	94	32983	49.042	ug/l	98
6) Chloroethane	1.69	64	47774	50.543	ug/l	100
7) Trichlorofluoromethane	1.88	101	86797	49.412	ug/l	100
8) Diethyl Ether	2.10	74	39619	48.208	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	51674	49.186	ug/l	98
10) Methyl Iodide	2.41	142	51676	62.688	ug/l	100
11) Tert butyl alcohol	2.83	59	83888	262.799	ug/l	99
12) 1,1-Dichloroethene	2.28	96	50368	48.185	ug/l	97
13) Acrolein	2.19	56	65631	257.911	ug/l	99
14) Allyl chloride	2.59	41	119769	48.434	ug/l	100
15) Acrylonitrile	2.94	53	234939	265.100	ug/l	99
16) Acetone	2.32	43	227534	243.369	ug/l	100
17) Carbon Disulfide	2.48	76	177169	47.048	ug/l	99
18) Methyl Acetate	2.61	43	132536	54.686	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	200317	50.552	ug/l	99
20) Methylene Chloride	2.70	84	64650	46.908	ug/l	100
21) trans-1,2-Dichloroethene	2.98	96	57538	48.889	ug/l	99
22) Diisopropyl ether	3.57	45	249444	51.872	ug/l	98
23) Vinyl Acetate	3.52	43	1037324	261.520	ug/l	99
24) 1,1-Dichloroethane	3.45	63	124557	49.482	ug/l	98
25) 2-Butanone	4.26	43	336980	263.744	ug/l	99
26) 2,2-Dichloropropane	4.23	77	97379	48.823	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	66127	49.641	ug/l	99
28) Bromochloromethane	4.55	49	62311	54.452	ug/l	97
29) Tetrahydrofuran	4.64	42	219799	267.860	ug/l	99
30) Chloroform	4.67	83	111057	50.620	ug/l	97
31) Cyclohexane	4.99	56	124290	50.612	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	92261	50.634	ug/l	99
36) 1,1-Dichloropropene	5.13	75	86623	48.337	ug/l	98
37) Ethyl Acetate	4.38	43	122781	53.001	ug/l	99
38) Carbon Tetrachloride	5.13	117	72278	50.040	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	107066	48.972	ug/l	99
40) Benzene	5.39	78	267933	50.764	ug/l	97
41) Methacrylonitrile	4.54	41	69560	54.829	ug/l	97
42) 1,2-Dichloroethane	5.40	62	93311	50.507	ug/l	99
43) Isopropyl Acetate	5.55	43	192730	52.599	ug/l	99
44) Trichloroethene	6.19	130	58391	49.756	ug/l	99
45) 1,2-Dichloropropane	6.43	63	78346	52.786	ug/l	99
46) Dibromomethane	6.56	93	45091	51.203	ug/l	100
47) Bromodichloromethane	6.76	83	86874	50.695	ug/l	98
48) Methyl methacrylate	6.62	41	100152	54.962	ug/l	99
49) 1,4-Dioxane	6.61	88	32122	1116.435	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	621232	268.812	ug/l	99
52) Toluene	7.64	92	157320	50.647	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	104853	51.375	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	112842	50.961	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	63679	51.862	ug/l	97
56) Ethyl methacrylate	8.02	69	110234	52.426	ug/l	98
57) 1,3-Dichloropropane	8.24	76	116867	51.274	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	275739	256.028	ug/l	99
59) 2-Hexanone	8.36	43	479481	261.763	ug/l	98
60) Dibromochloromethane	8.48	129	61843	51.444	ug/l	99
61) 1,2-Dibromoethane	8.58	107	68777	53.414	ug/l	100
64) Tetrachloroethene	8.22	164	50296	49.594	ug/l	97
65) Chlorobenzene	9.12	112	164991	50.925	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	54898	53.062	ug/l	99
67) Ethyl Benzene	9.25	91	304106	51.060	ug/l	98
68) m/p-Xylenes	9.37	106	223398	103.082	ug/l	99
69) o-Xylene	9.78	106	109061	51.784	ug/l	99
70) Styrene	9.79	104	179889	51.612	ug/l	99
71) Bromoform	9.96	173	46827	53.205	ug/l #	98
73) Isopropylbenzene	10.16	105	291646	50.789	ug/l	99
74) N-amyl acetate	10.01	43	173645	52.423	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	117142	53.104	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	102760m	53.775	ug/l	
77) Bromobenzene	10.45	156	68448	50.967	ug/l	99
78) n-propylbenzene	10.58	91	355768	49.859	ug/l	100
79) 2-Chlorotoluene	10.66	91	208251	50.667	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	243319	51.189	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	43984m	56.523	ug/l	
82) 4-Chlorotoluene	10.77	91	239889	49.252	ug/l	100
83) tert-Butylbenzene	11.10	119	233731	51.015	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	251456	51.331	ug/l	100
85) sec-Butylbenzene	11.32	105	295054	50.130	ug/l	99
86) p-Isopropyltoluene	11.48	119	250660	50.134	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	125504	49.491	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	126541	48.230	ug/l	99
89) n-Butylbenzene	11.89	91	246035	48.623	ug/l	99
90) Hexachloroethane	12.14	117	38410	50.827	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	127435	50.238	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	25318	53.014	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	85260	48.932	ug/l	99
94) Hexachlorobutadiene	13.69	225	38271	46.059	ug/l	95
95) Naphthalene	13.74	128	303375	49.840	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	87932	50.685	ug/l	98

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

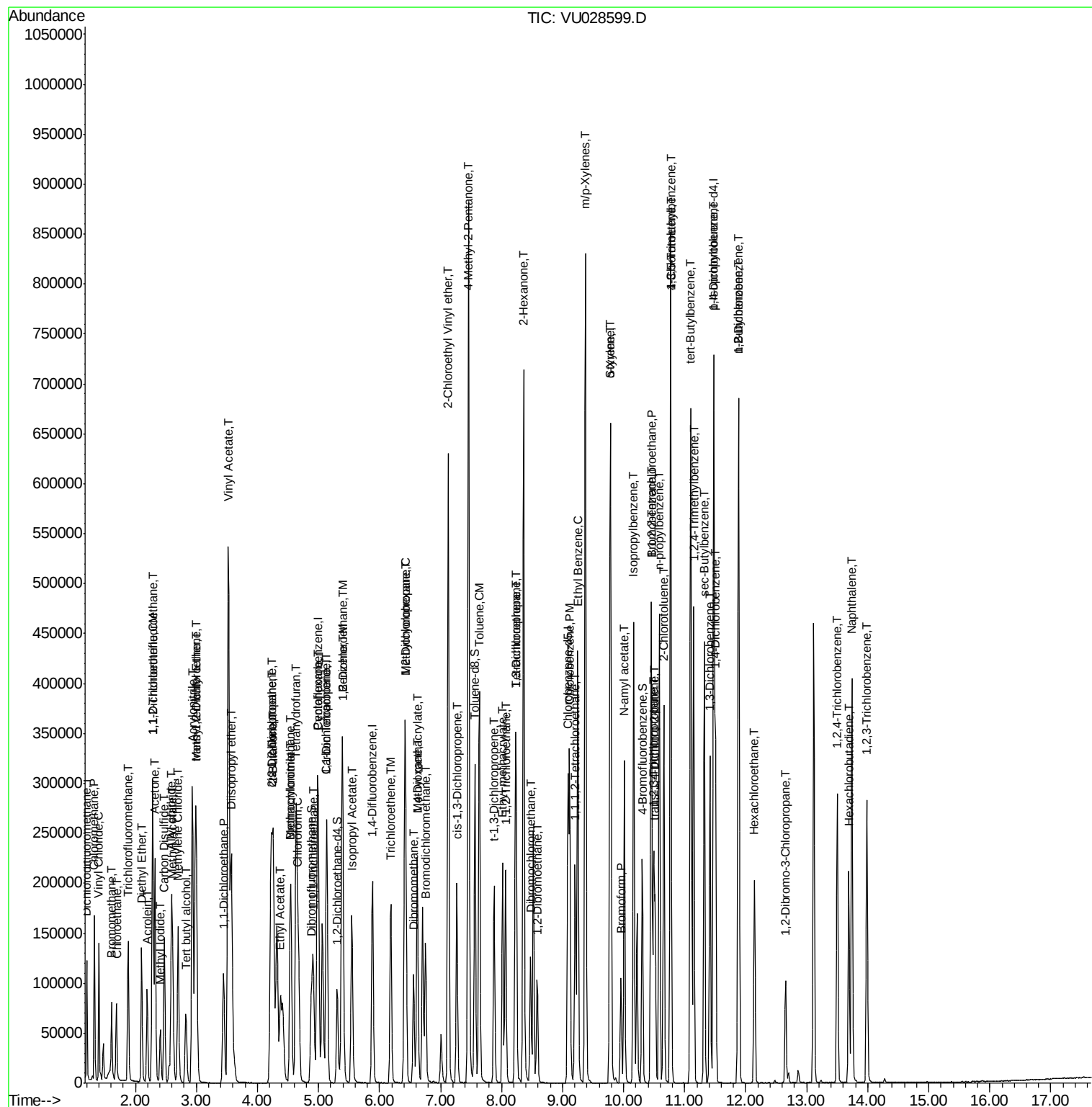
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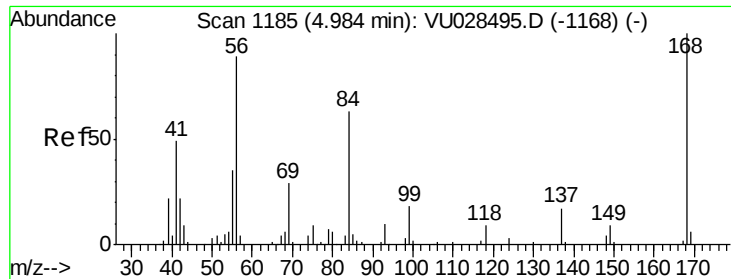
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 93885

Ion Ratio Lower Upper

168 100

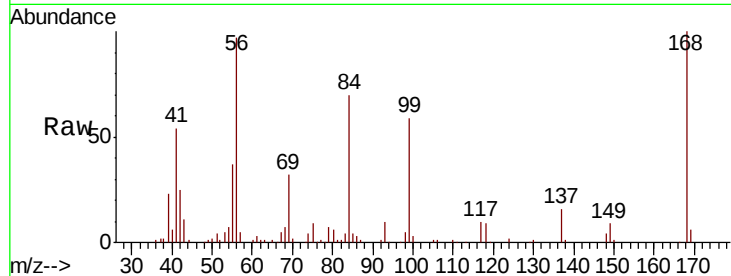
99 59.0 46.6 69.8

Manual Integrations

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12/11/2018 3:03:04 PM

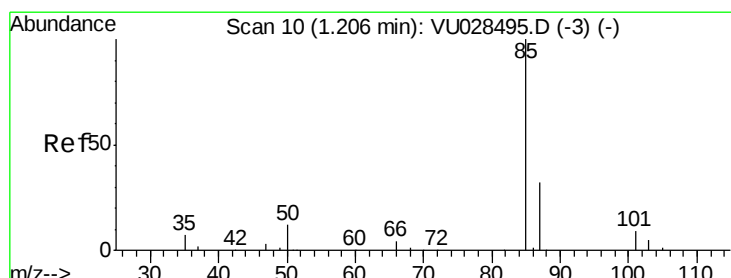
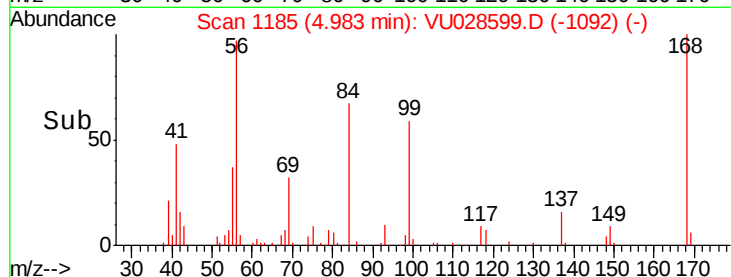


Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

Time-->



#2

Dichlorodifluoromethane

Concen: 49.920 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028599.D

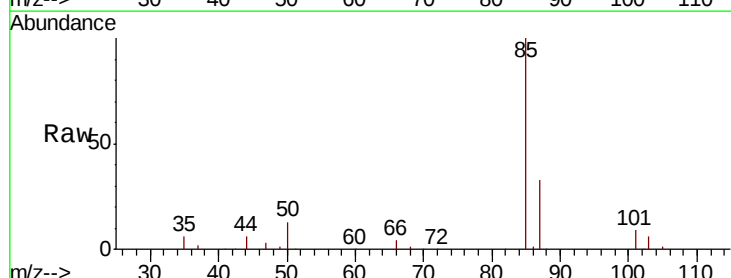
Acq: 11 Dec 2018 11:18

Tgt Ion: 85 Resp: 62819

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.6

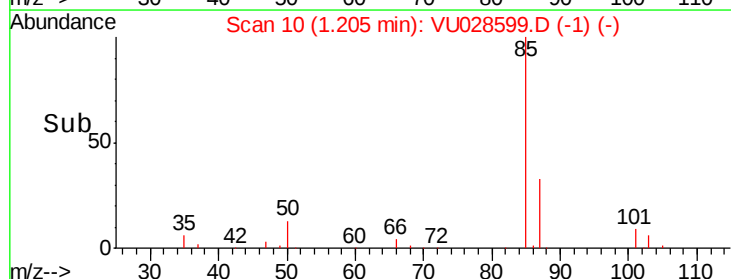


Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

Time-->





#3

Chloromethane

Concen: 47.177 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 109146

Ion Ratio Lower Upper

50 100

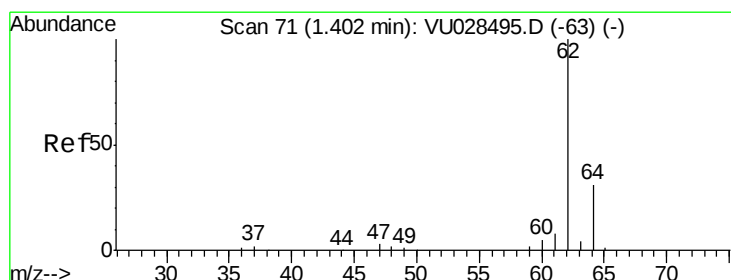
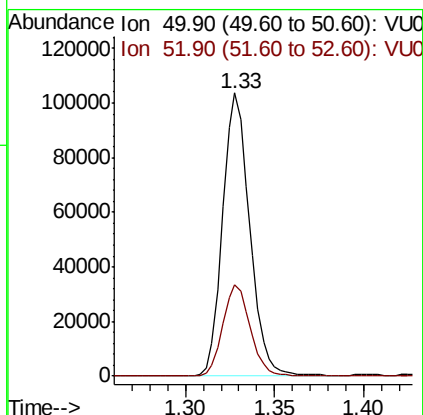
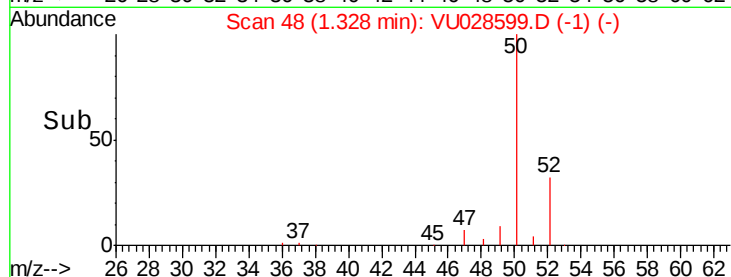
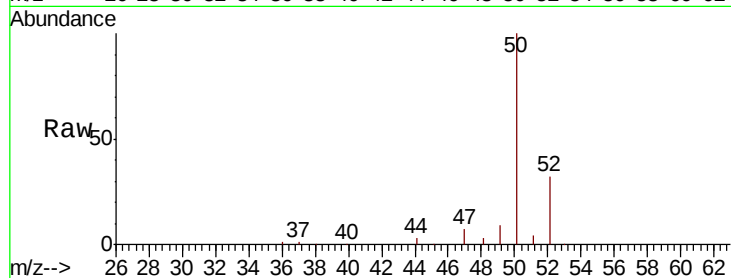
52 32.4 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.884 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028599.D

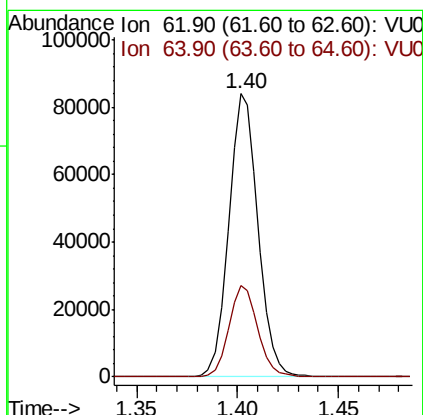
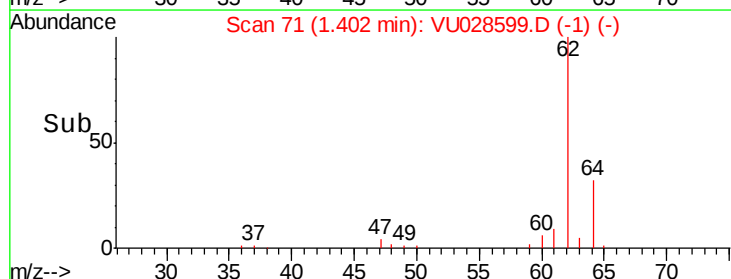
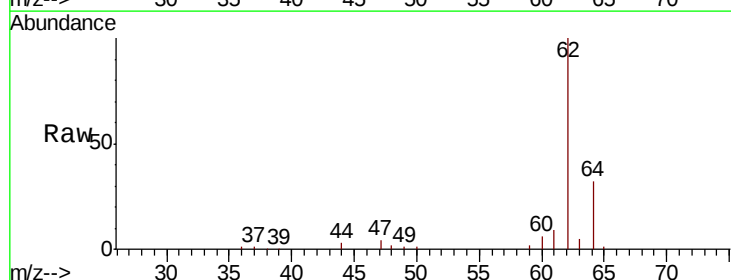
Acq: 11 Dec 2018 11:18

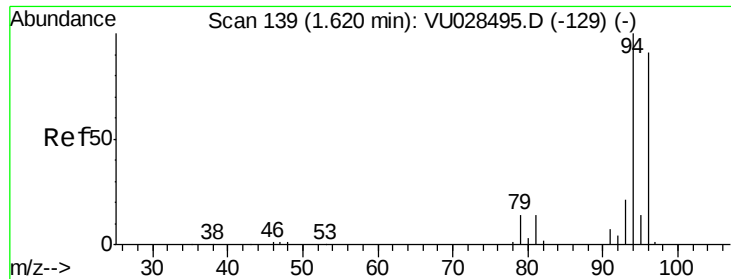
Tgt Ion: 62 Resp: 84957

Ion Ratio Lower Upper

62 100

64 32.4 25.1 37.7





#5

Bromomethane

Concen: 49.042 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.01 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 32983

Ion Ratio Lower Upper

94 100

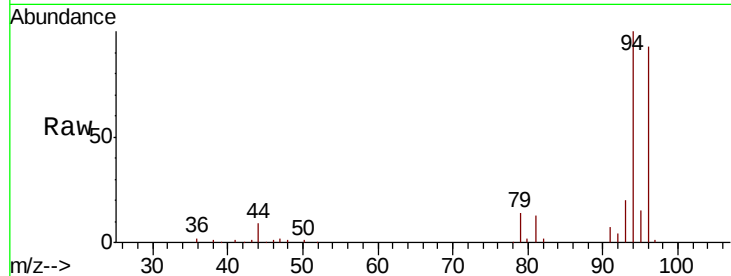
96 93.0 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU028495.D (-129) (-)

Ion 95.90 (95.60 to 96.60): VU028495.D (-129) (-)

1.61

30000

25000

20000

15000

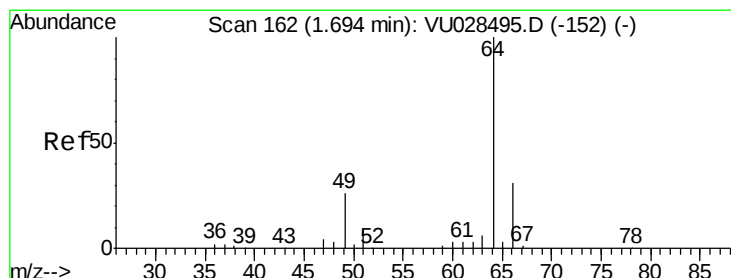
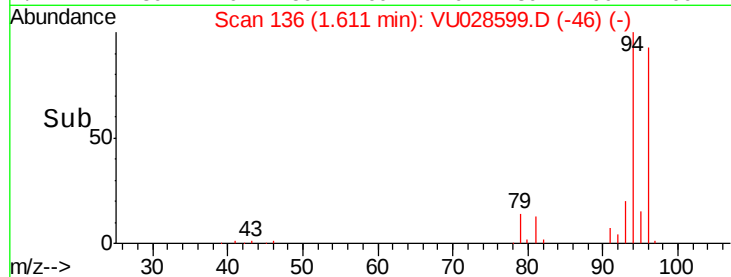
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5000

0

Time-->

1.55 1.60 1.65



#6

Chloroethane

Concen: 50.543 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU028599.D

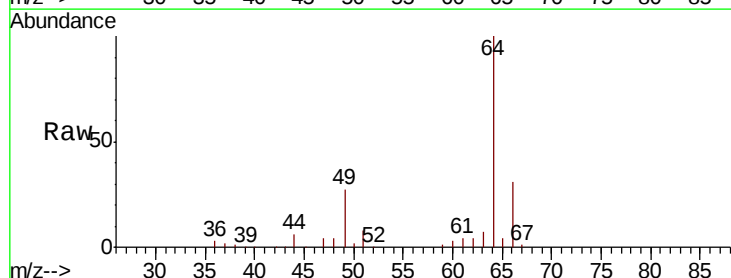
Acq: 11 Dec 2018 11:18

Tgt Ion: 64 Resp: 47774

Ion Ratio Lower Upper

64 100

66 31.4 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU028495.D (-152) (-)

Ion 65.90 (65.60 to 66.60): VU028495.D (-152) (-)

1.69

40000

30000

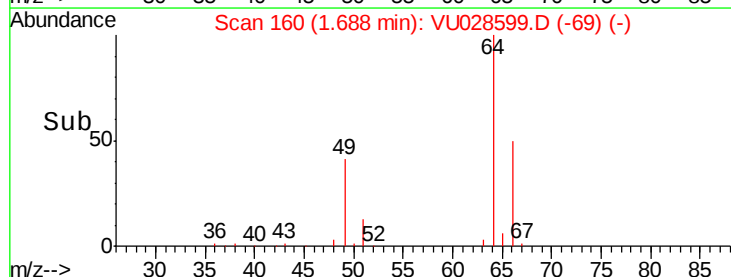
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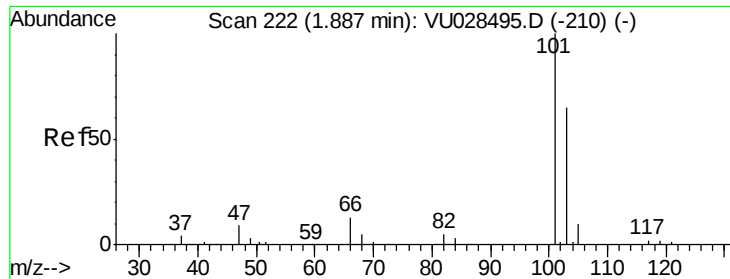
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Time-->

1.65 1.70 1.75





#7

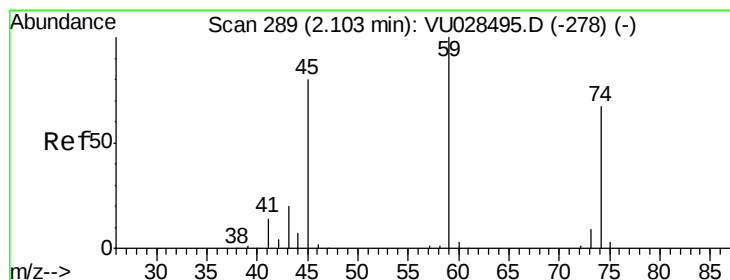
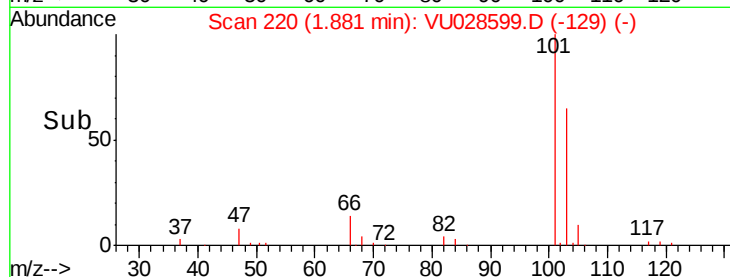
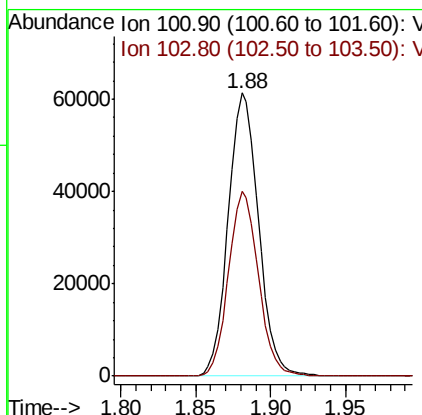
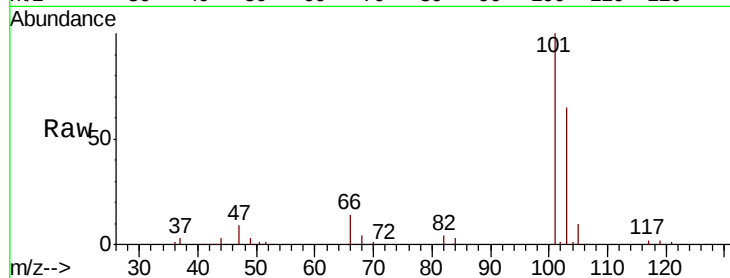
Trichlorofluoromethane
Concen: 49.412 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.01 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		86797		
103	65.2	52.3	78.5		

Manual Integrations
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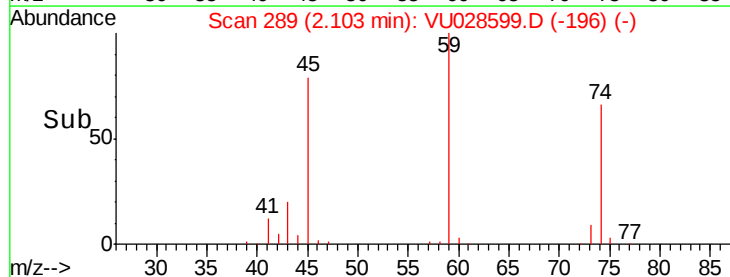
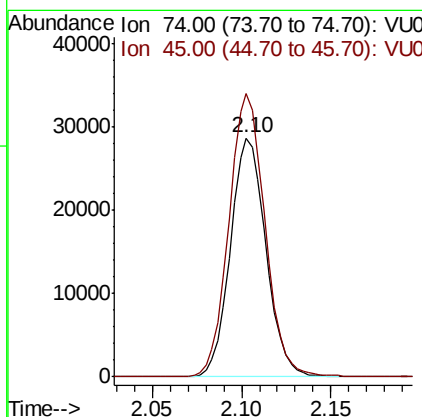
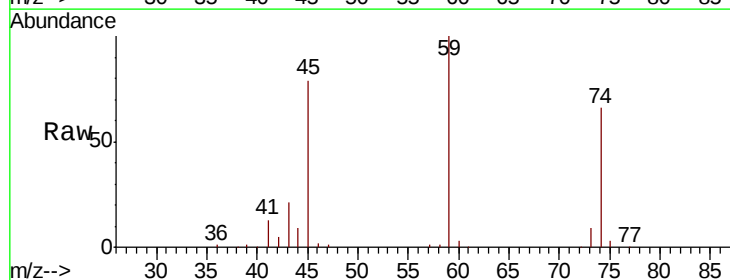
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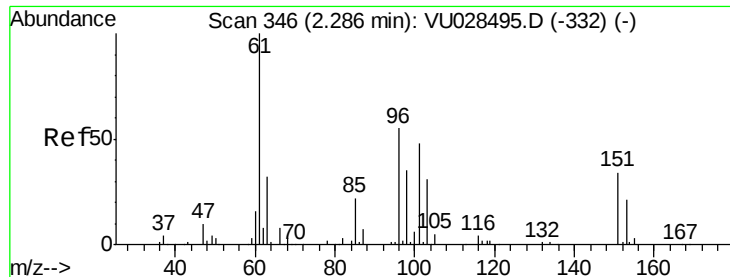


#8

Diethyl Ether
Concen: 48.208 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		39619		
45	120.7	59.7	179.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.186 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028599.D

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MSVOA_U

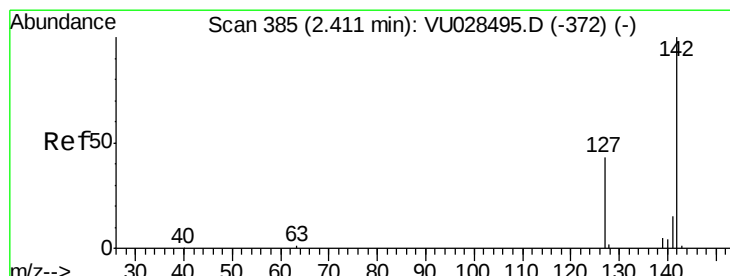
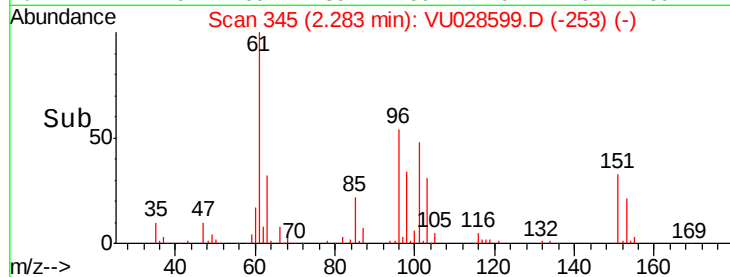
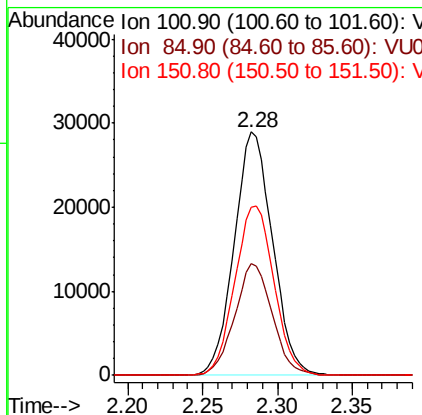
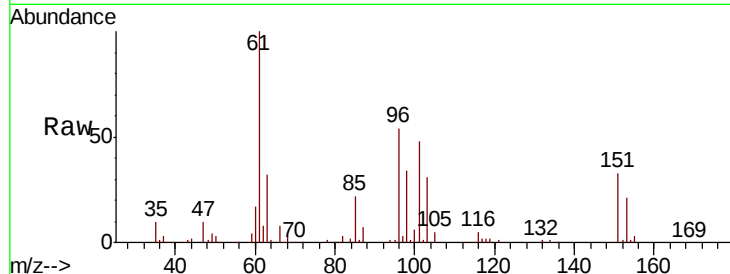
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	51674
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.4	54.6
151	70.9	58.2	87.2

Manual Integrations
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#10

Methyl Iodide

Concen: 62.688 ug/l

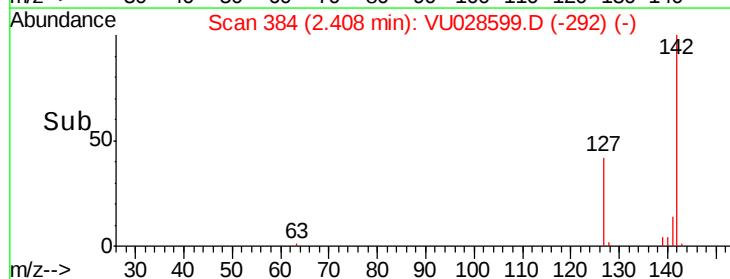
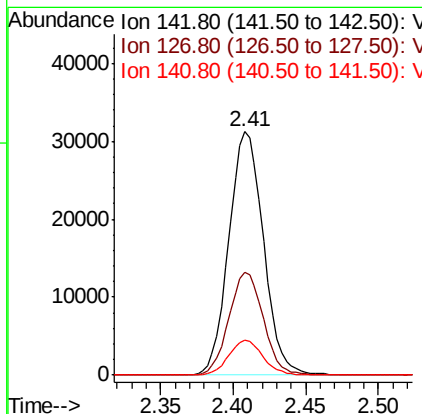
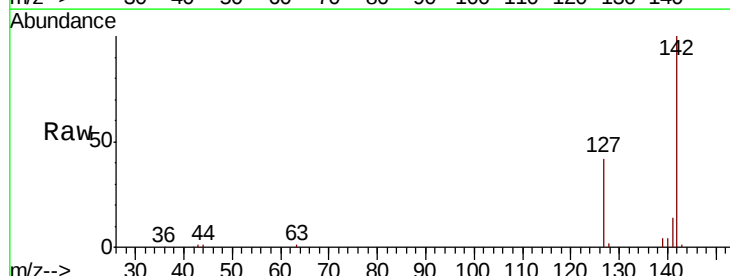
RT: 2.41 min Scan# 384

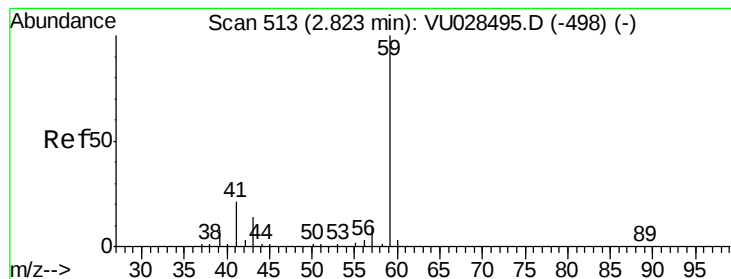
Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Tgt Ion:	142	Resp:	51676
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.5	50.3
141	14.1	11.2	16.8





#11

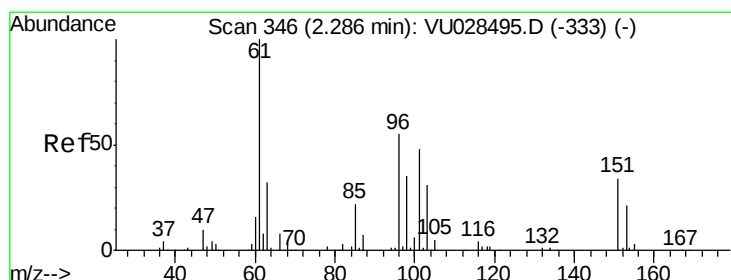
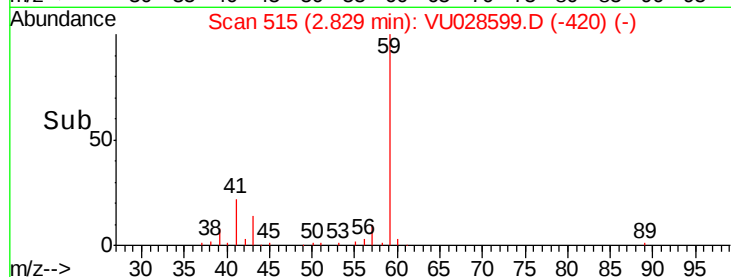
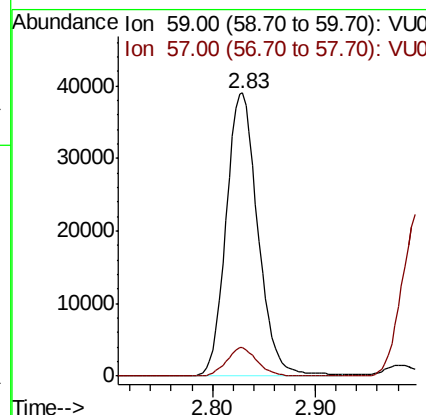
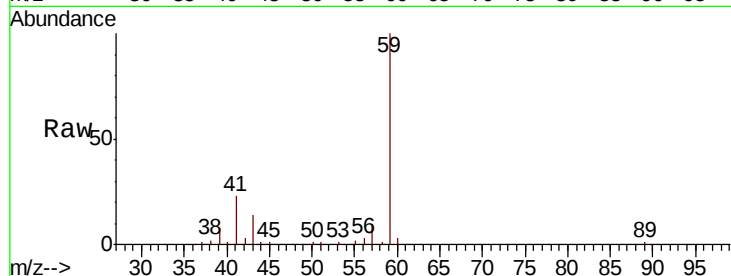
Tert butyl alcohol
Concen: 262.799 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.0	12.0

Manual Integrations
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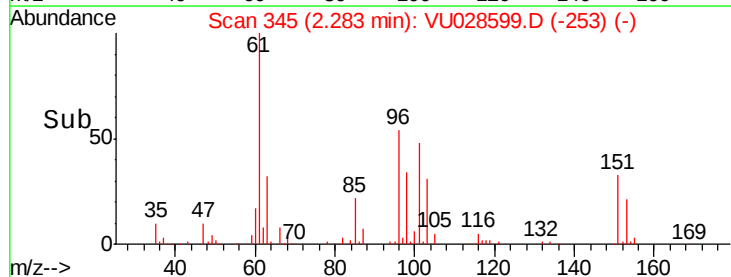
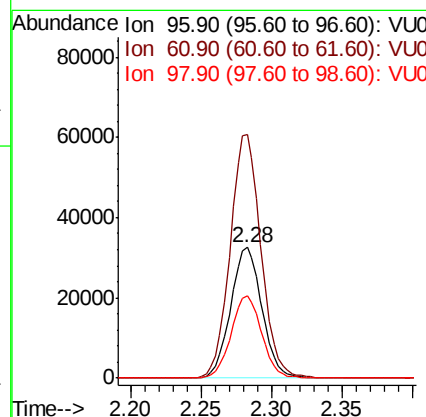
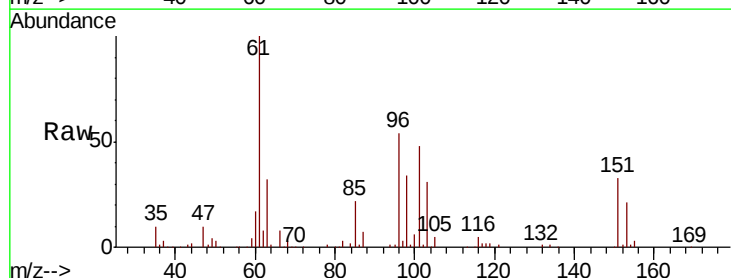
MMDadoda
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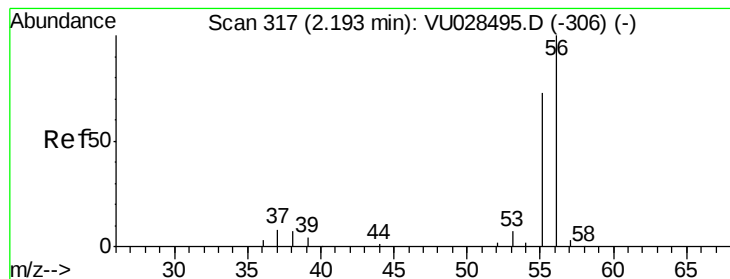


#12

1,1-Dichloroethene
Concen: 48.185 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.7	146.4	219.6
98	62.9	51.8	77.8





#13

Acrolein

Concen: 257.911 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 65631

Ion Ratio Lower Upper

56 100

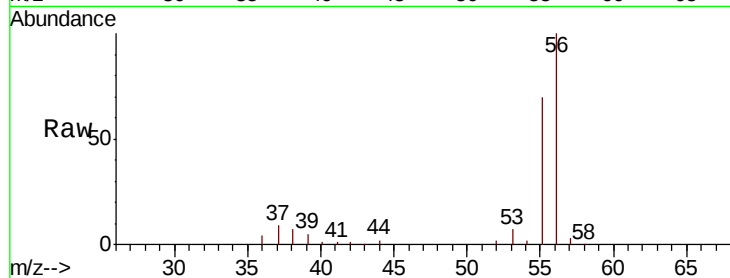
55 70.8 57.5 86.3

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU028495.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU028495.D (-306) (-)

2.19

50000

40000

30000

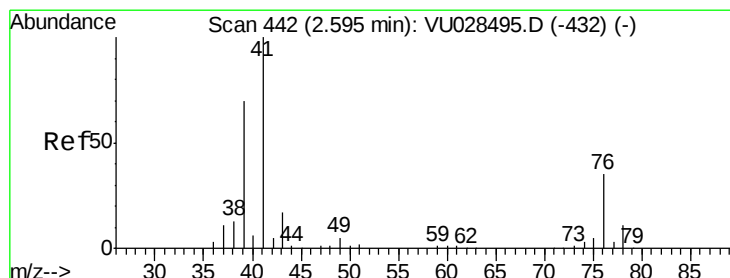
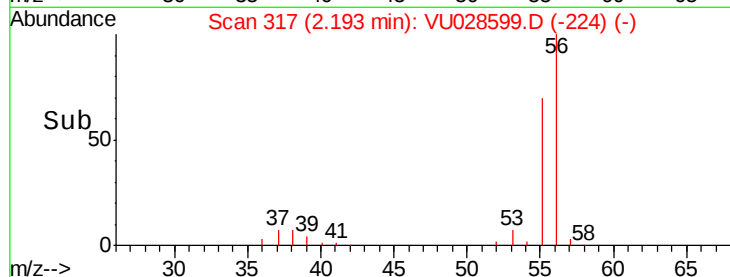
20000

10000

0

Time-->

2.10 2.15 2.20 2.25 2.30



#14

Allyl chloride

Concen: 48.434 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

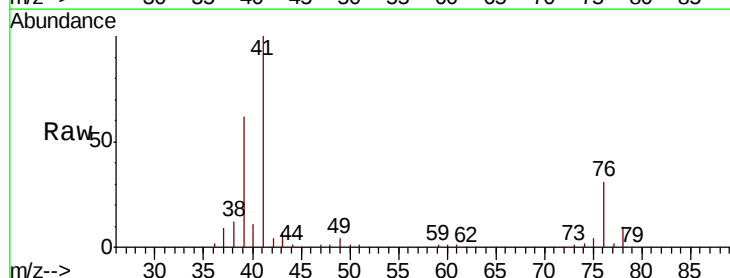
Tgt Ion: 41 Resp: 119769

Ion Ratio Lower Upper

41 100

39 63.8 50.8 76.2

76 30.9 24.8 37.2



Abundance Ion 41.00 (40.70 to 41.70): VU028495.D (-432) (-)

Ion 39.00 (38.70 to 39.70): VU028495.D (-432) (-)

Ion 75.90 (75.60 to 76.60): VU028495.D (-432) (-)

2.59

80000

60000

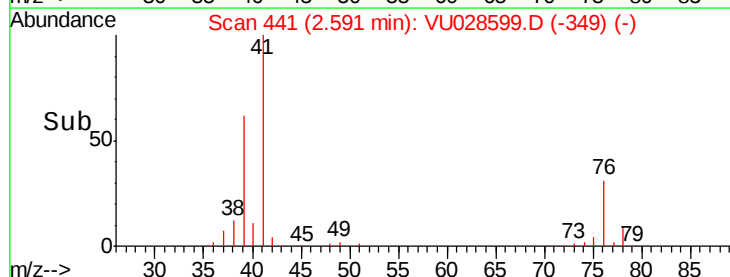
40000

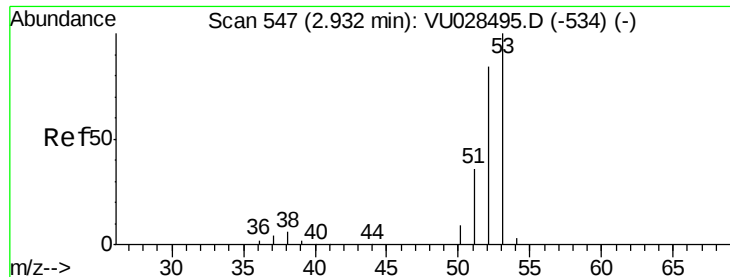
20000

0

Time-->

2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 265.100 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Instrument :

MSVOA_U

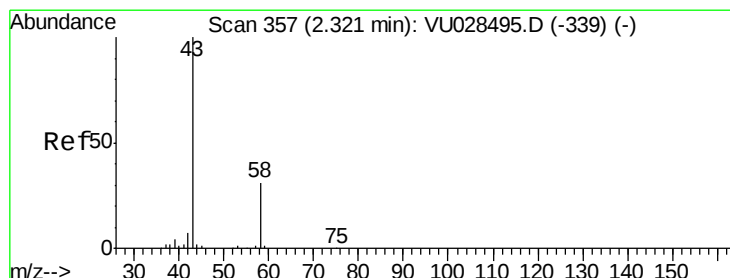
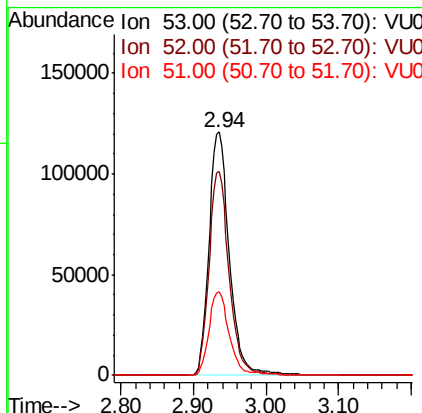
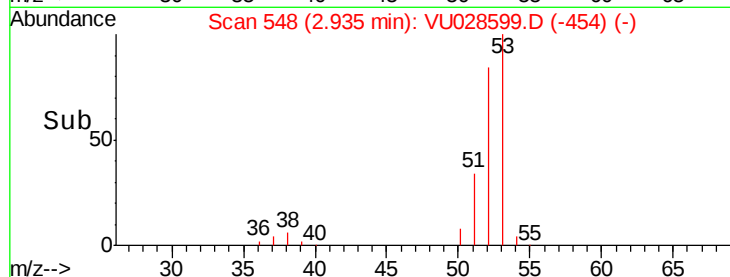
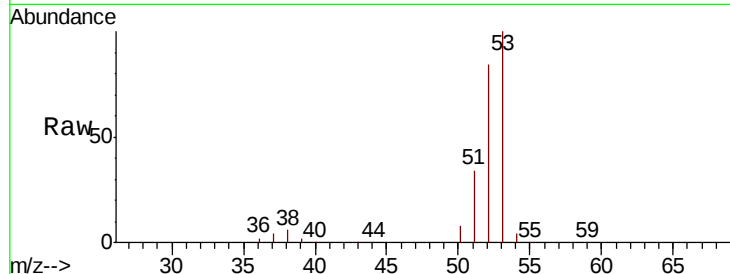
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	234939
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.1	99.1
51	34.7	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 243.369 ug/l

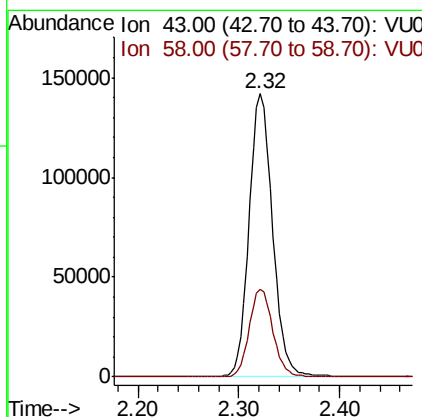
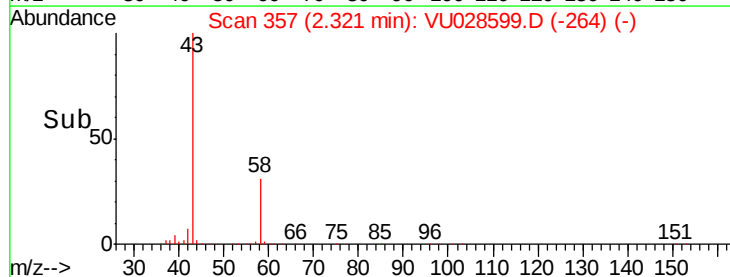
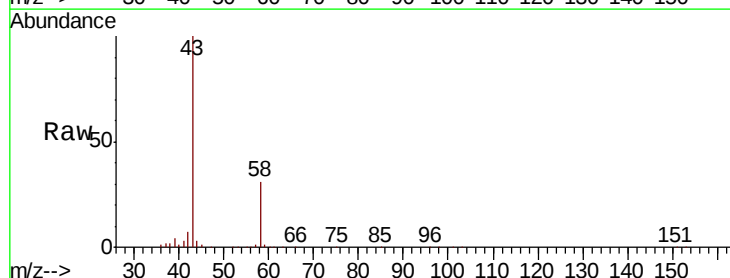
RT: 2.32 min Scan# 357

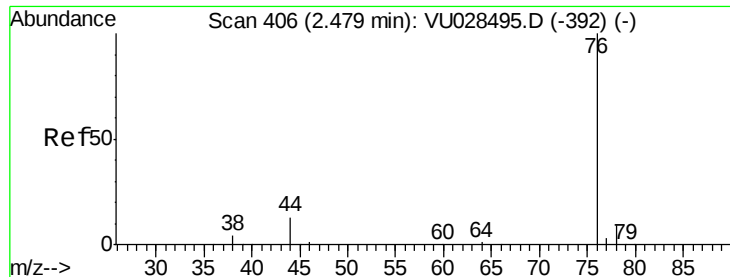
Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Tgt Ion:	43	Resp:	227534
Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.6	37.0





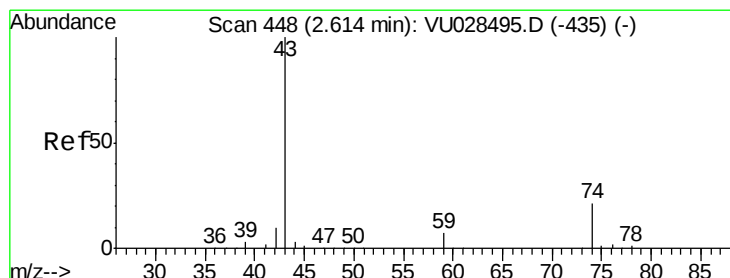
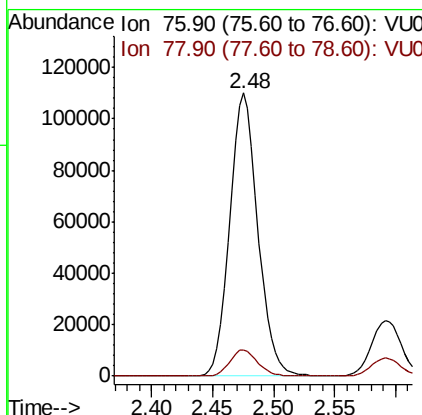
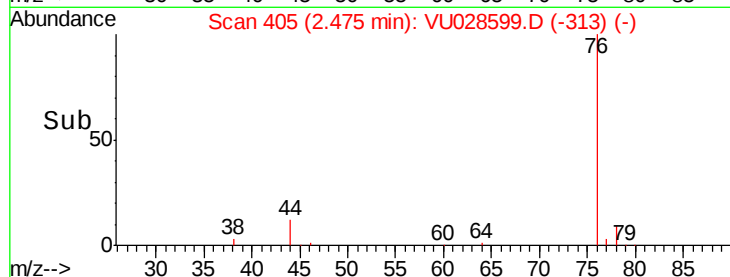
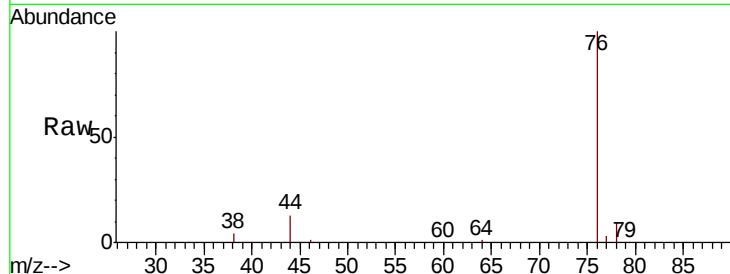
#17
Carbon Disulfide
Concen: 47.048 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.2	10.8

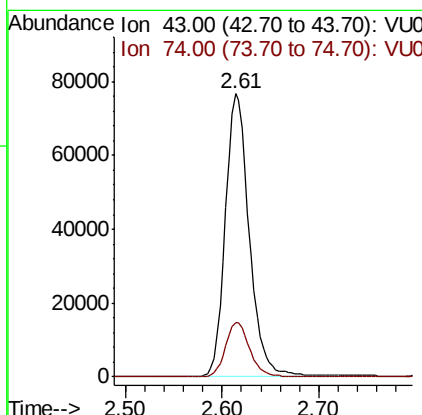
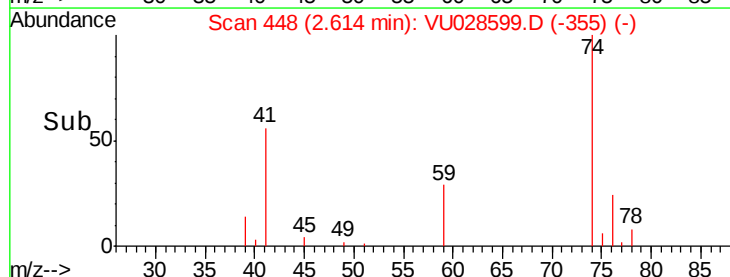
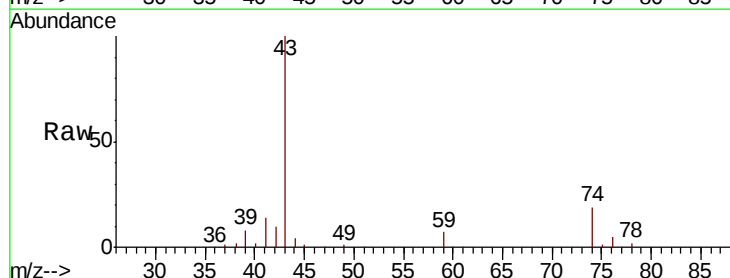
Manual Integrations
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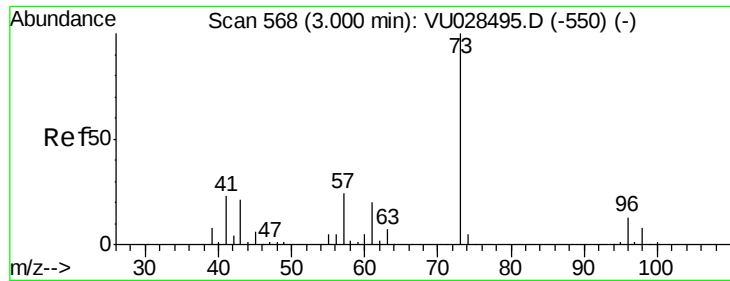
MMDadoda
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#18
Methyl Acetate
Concen: 54.686 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.4	16.4	24.6





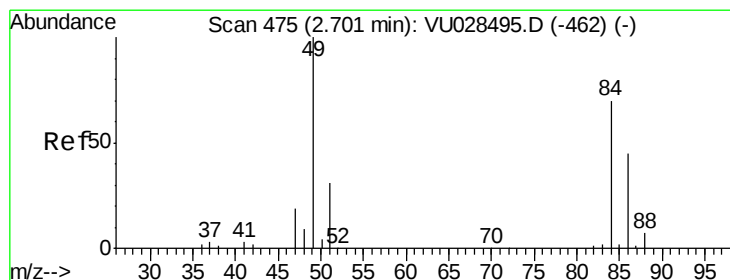
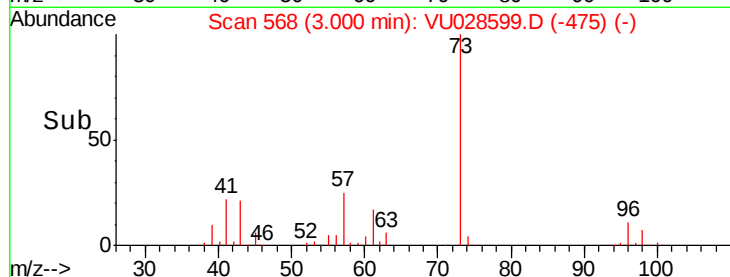
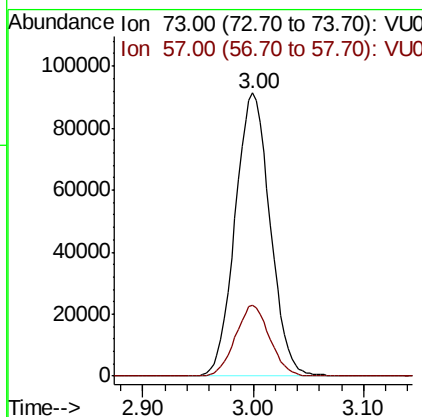
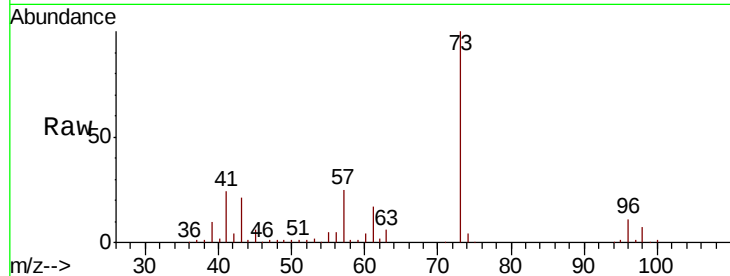
#19
Methvl tert-butvl Ether
Concen: 50.552 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 200317
Ion Ratio Lower Upper
73 100
57 25.0 19.4 29.2

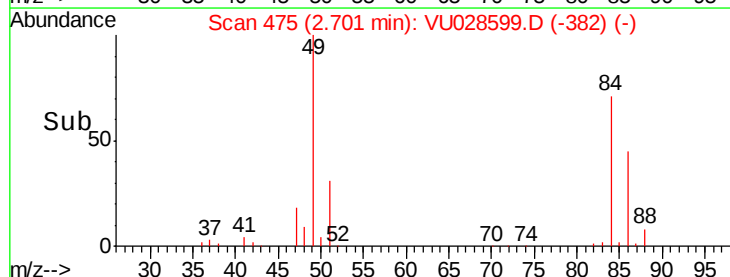
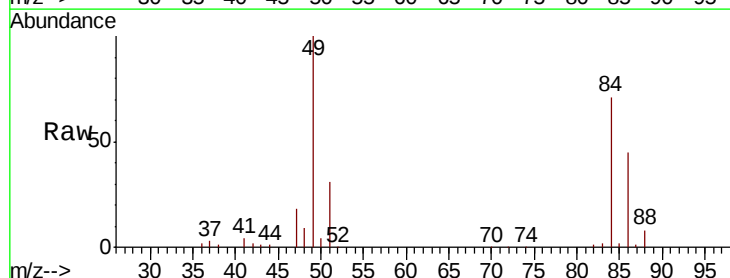
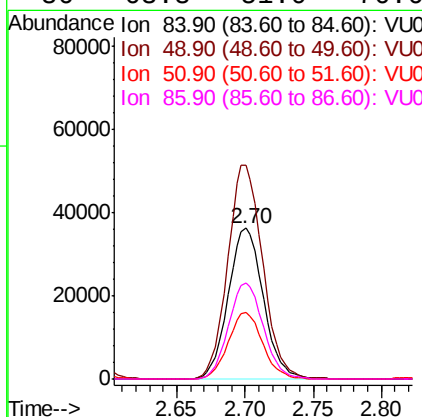
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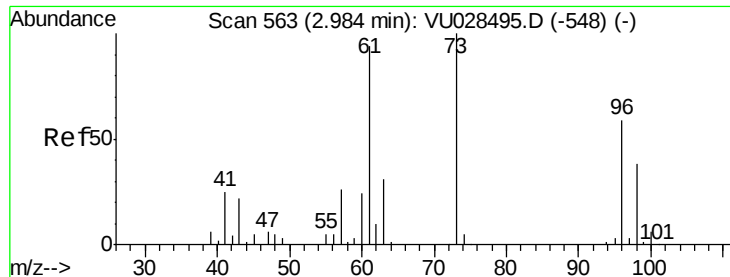
MMDadoda
12/11/2018 3:03:04 PM



#20
Methylene Chloride
Concen: 46.908 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Tgt Ion: 84 Resp: 64650
Ion Ratio Lower Upper
84 100
49 141.7 114.0 171.0
51 44.2 35.1 52.7
86 63.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 48.889 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 57538

Ion Ratio Lower Upper

96 100

61 160.3 127.0 190.4

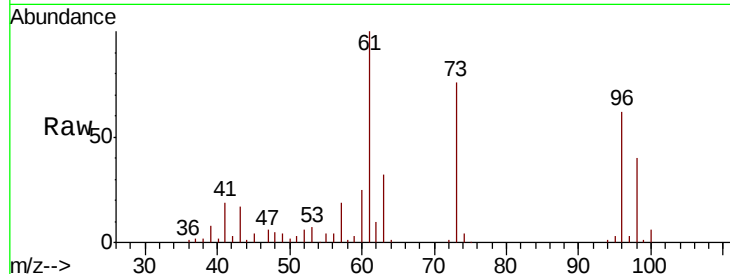
98 64.4 51.9 77.9

Manual Integrations

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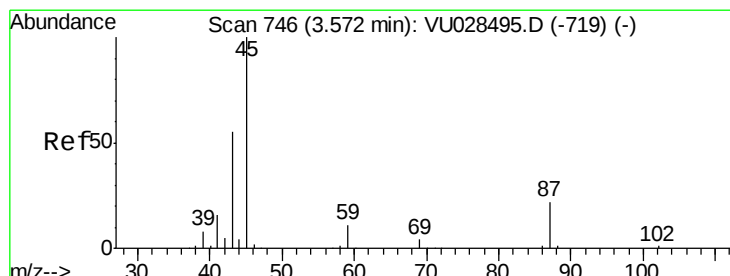
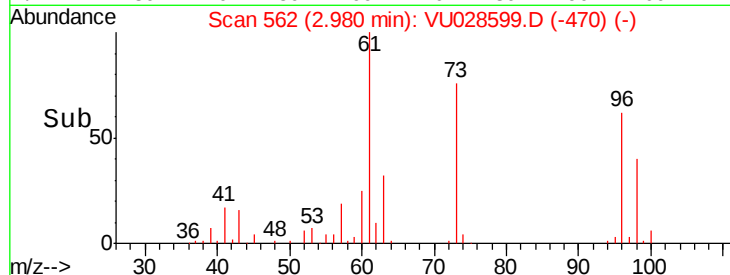
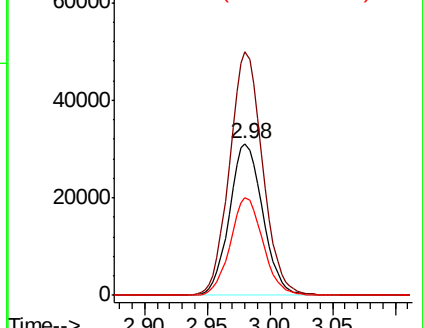


Abundance

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



#22

Diisopropyl ether

Concen: 51.872 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Tgt Ion: 45 Resp: 249444

Ion Ratio Lower Upper

45 100

43 54.9 45.3 67.9

87 22.2 17.6 26.4

59 11.0 8.8 13.2

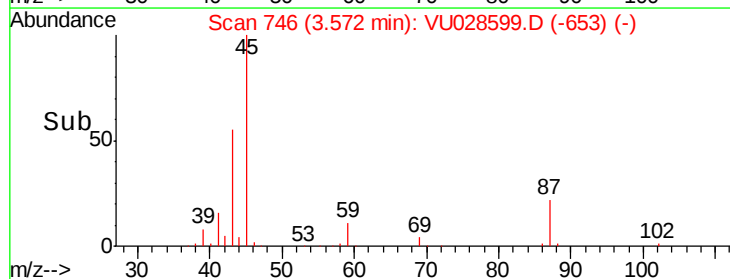
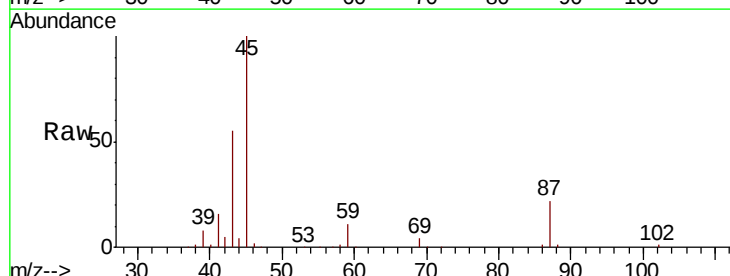
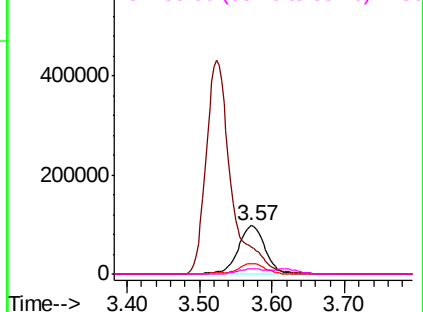
Abundance

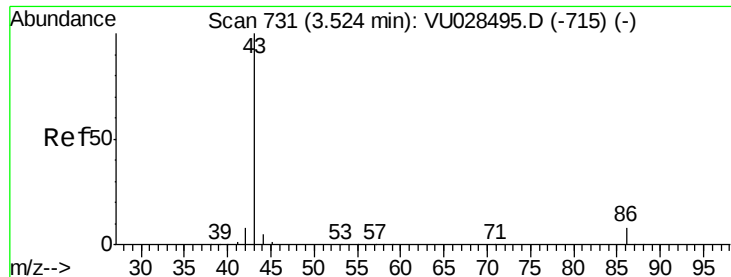
Ion 45.00 (44.70 to 45.70): VU0

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: 261.520 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1037324

Ion Ratio Lower Upper

43 100

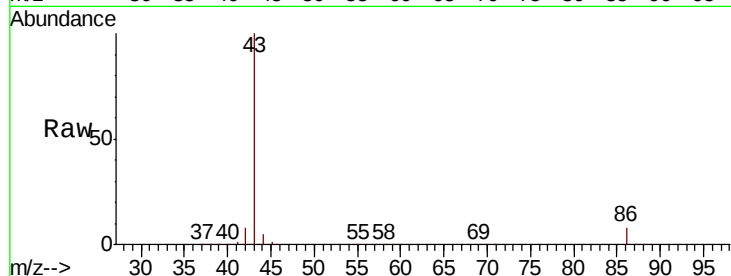
86 8.3 6.8 10.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-715) (-)

Ion 86.00 (85.70 to 86.70): VU028495.D (-715) (-)

3.52

400000

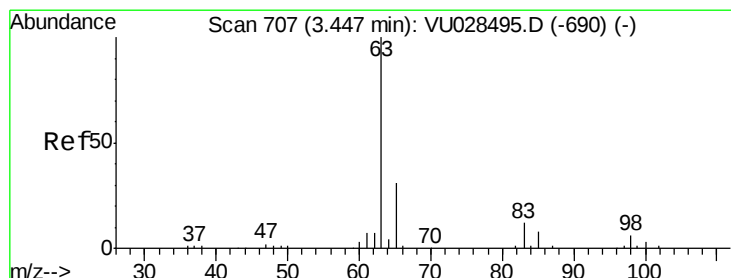
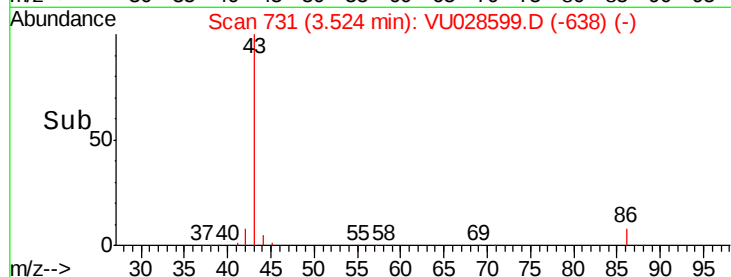
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.482 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

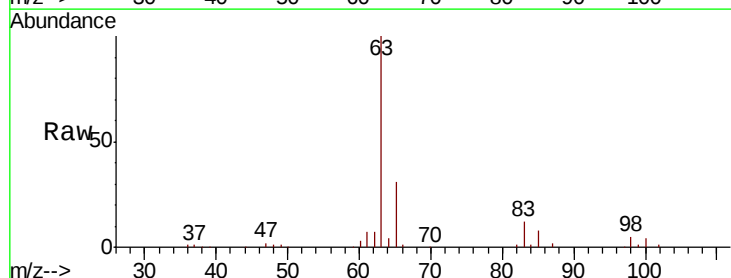
Tgt Ion: 63 Resp: 124557

Ion Ratio Lower Upper

63 100

98 5.4 3.0 9.2

100 3.8 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028495.D (-690) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-690) (-)

Ion 99.90 (99.60 to 100.60): VU028495.D (-690) (-)

3.45

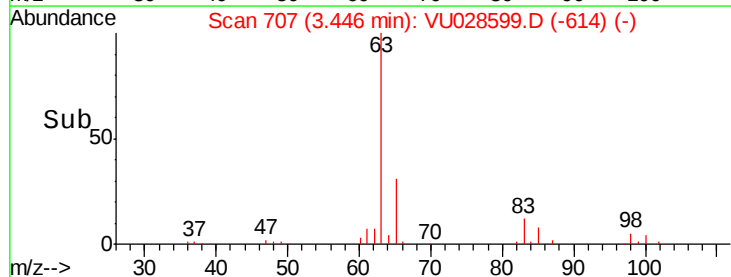
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 263.744 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 336980

Ion Ratio Lower Upper

43 100

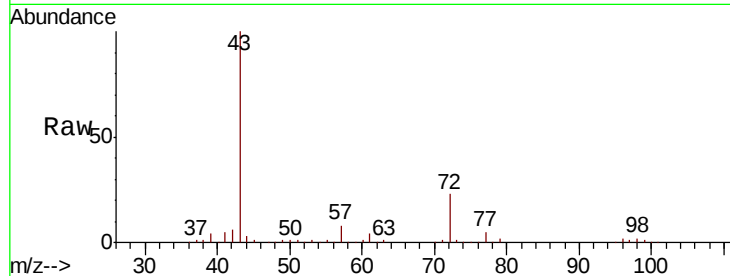
72 22.7 18.6 28.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

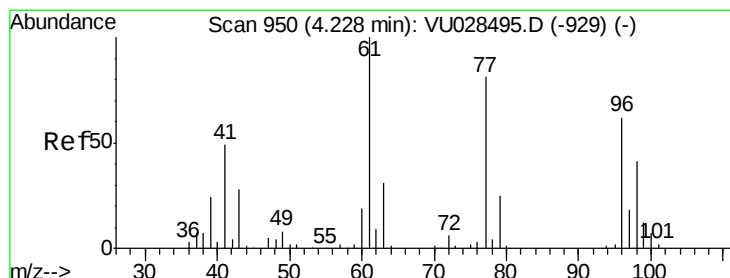
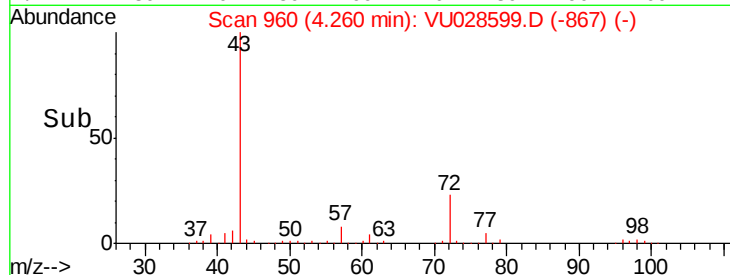
100000

50000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 48.823 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028599.D

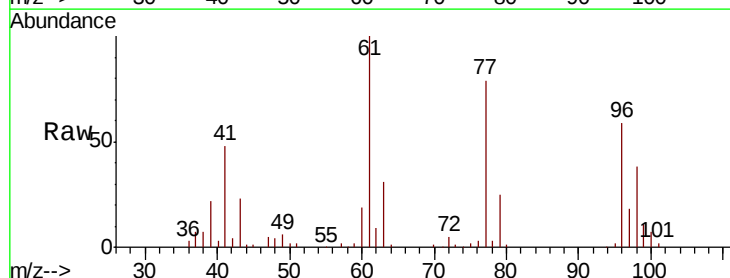
Acq: 11 Dec 2018 11:18

Tgt Ion: 77 Resp: 97379

Ion Ratio Lower Upper

77 100

97 22.5 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

40000

30000

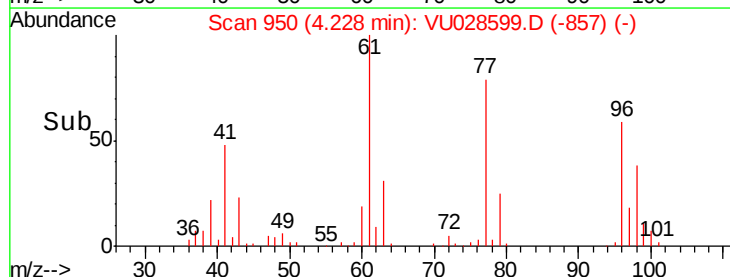
20000

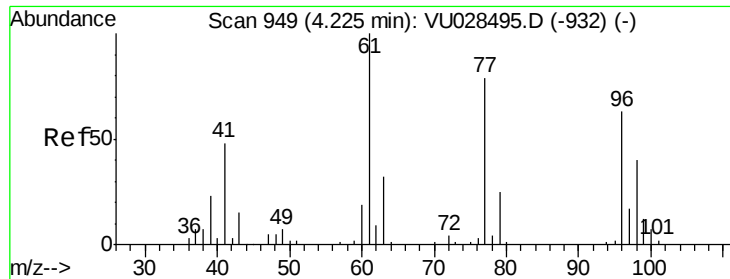
10000

0

4.10 4.20 4.30

Time-->





#27

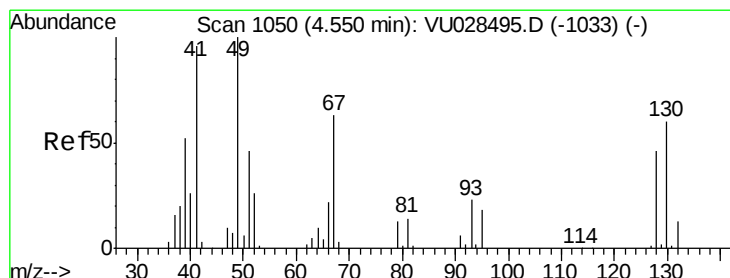
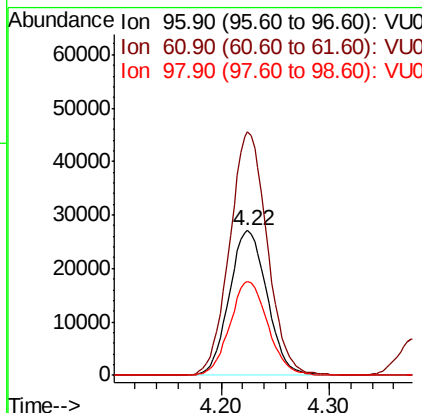
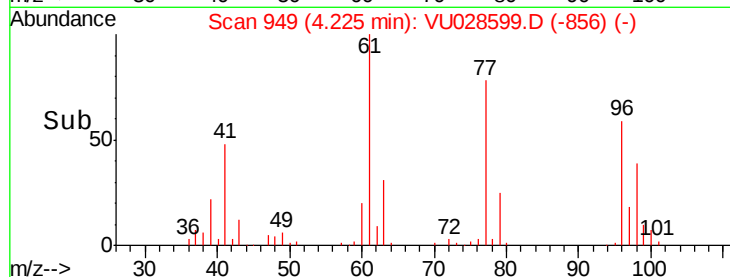
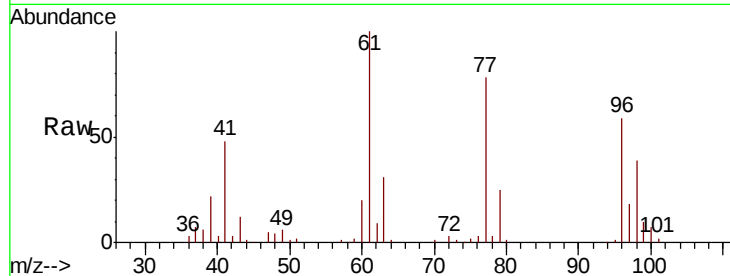
cis-1,2-Dichloroethene
Concen: 49.641 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.3	0.0	332.4
98	64.9	0.0	129.0

Manual Integrations
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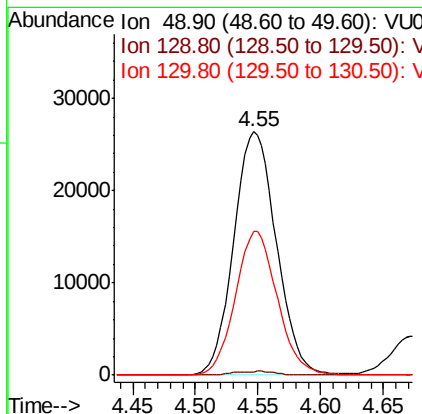
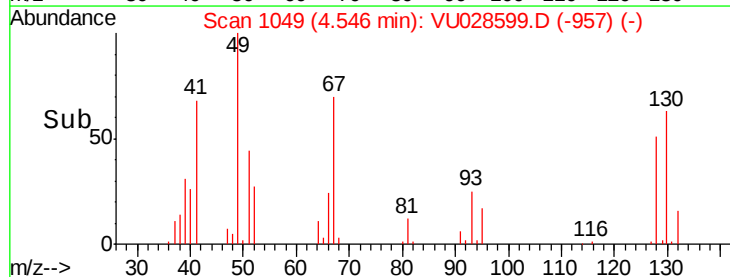
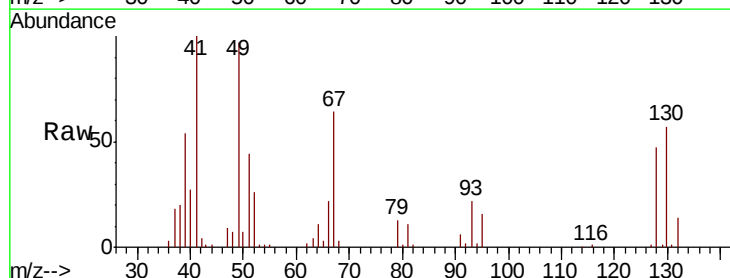
MMDadoda
12/11/2018 3:03:04 PM

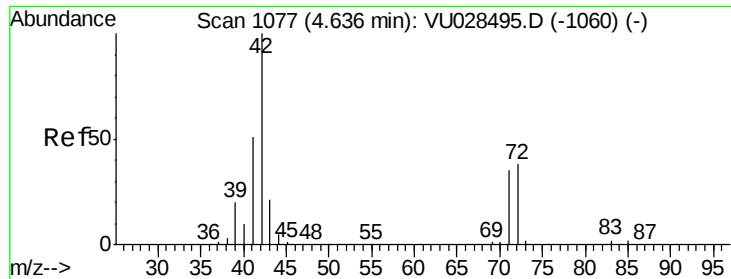


#28

Bromochloromethane
Concen: 54.452 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	57.8	47.8	71.8





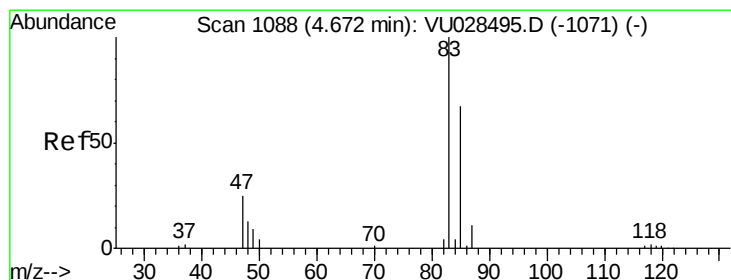
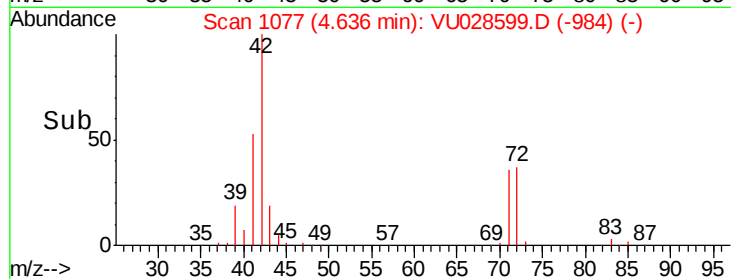
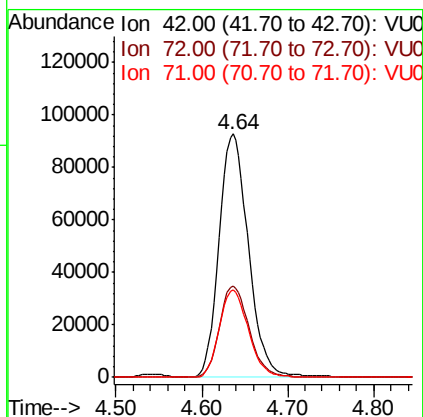
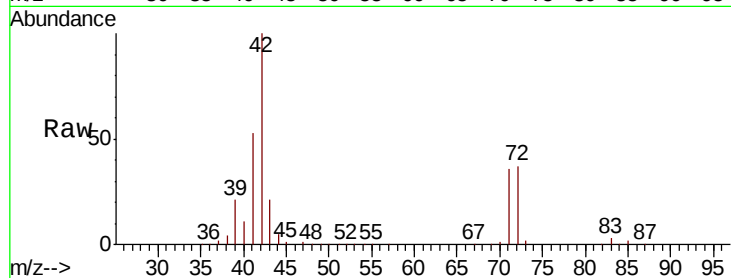
#29
Tetrahydrofuran
Concen: 267.860 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	31.4	47.0
71	35.8	28.6	43.0

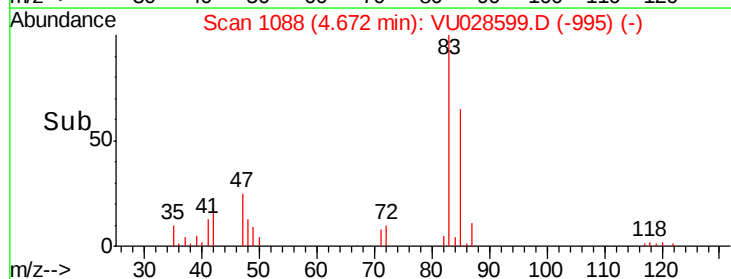
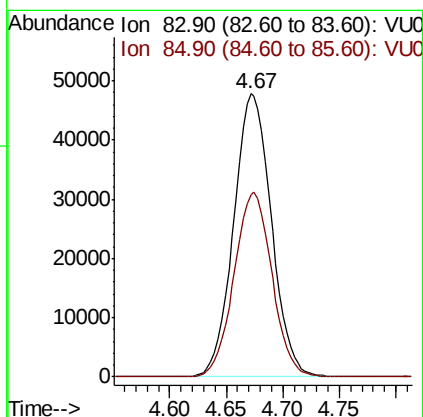
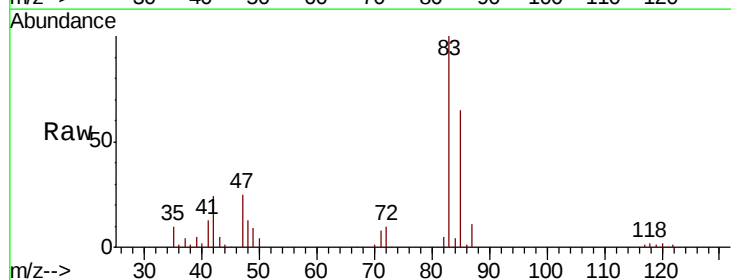
Manual Integrations
APPROVED

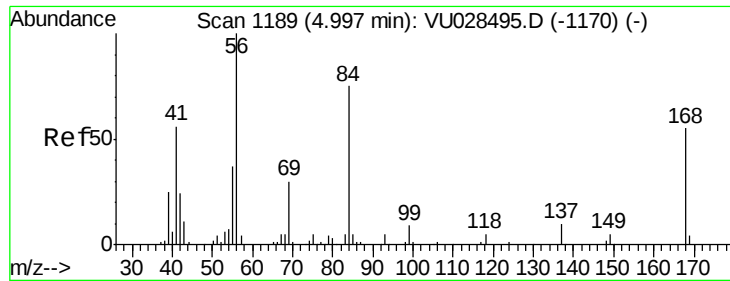
MMDadoda
12/11/2018 3:03:04 PM



#30
Chloroform
Concen: 50.620 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.6	80.4





#31

Cyclohexane

Concen: 50.612 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Instrument :

MSVOA_U

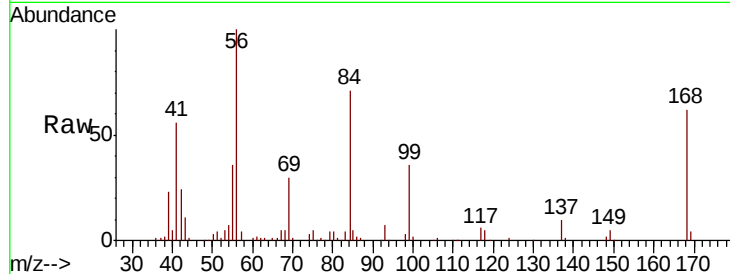
ClientSampleId :

VSTDCCC050EC

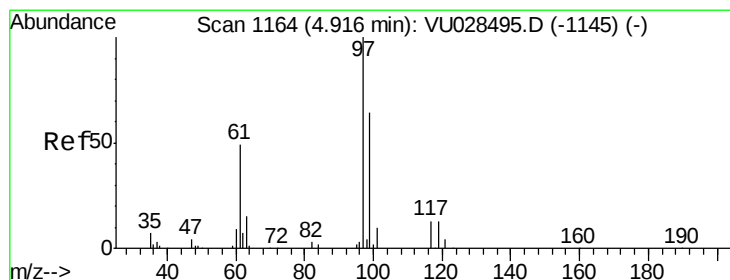
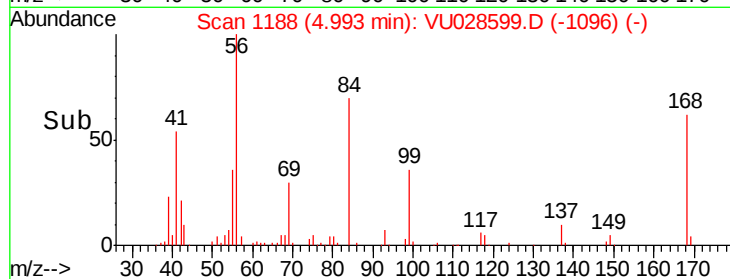
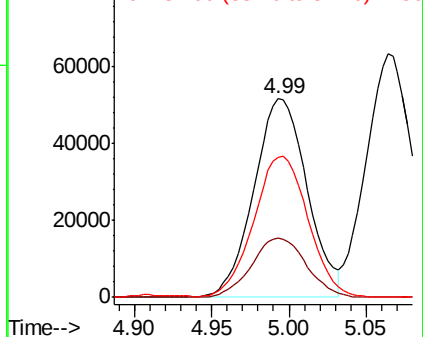
Tot Ion:	56	Resp:	124290
Ion Ratio	Lower	Upper	
56	100		
69	29.8	24.0	36.0
84	70.0	59.7	89.5

Manual Integrations
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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: 50.634 ug/l

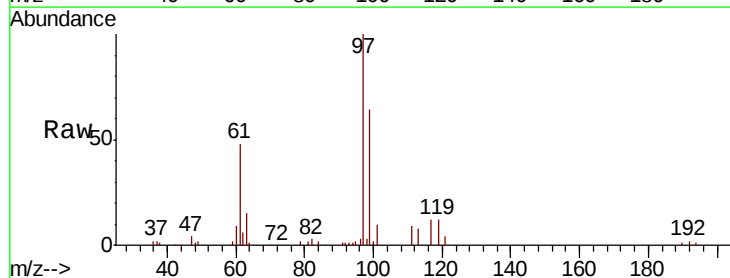
RT: 4.91 min Scan# 1163

Delta R.T. -0.00 min

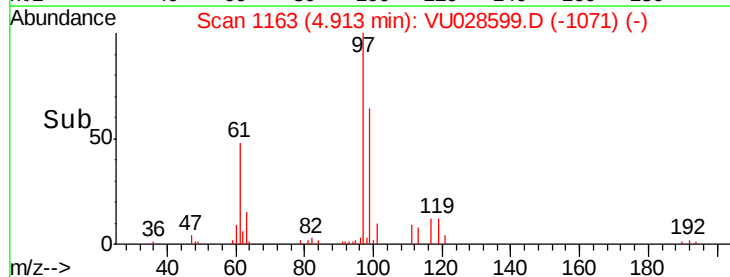
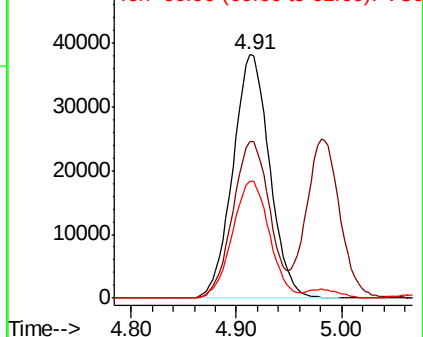
Lab File: VU028599.D

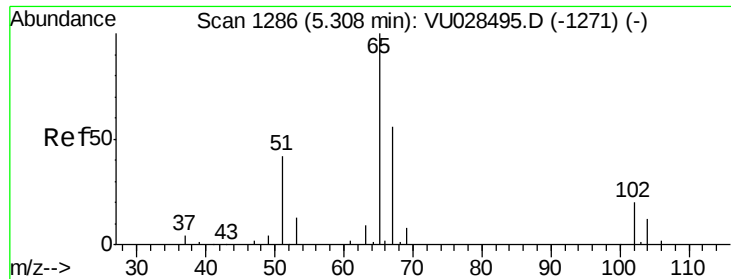
Acq: 11 Dec 2018 11:18

Tgt Ion:	97	Resp:	92261
Ion Ratio	Lower	Upper	
97	100		
99	64.3	52.3	78.5
61	48.8	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





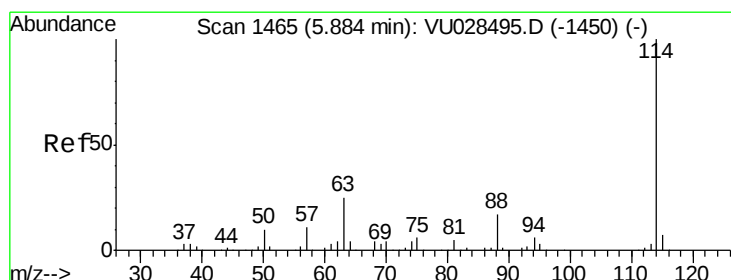
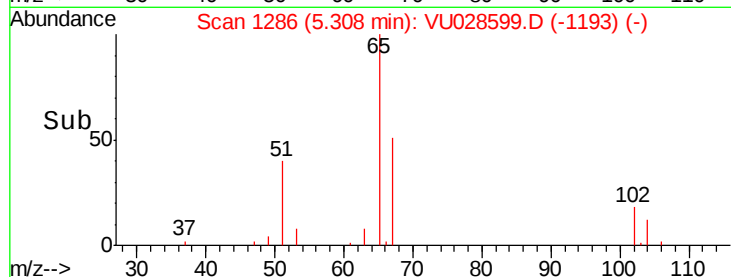
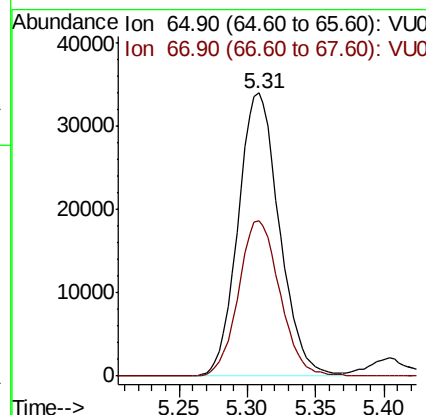
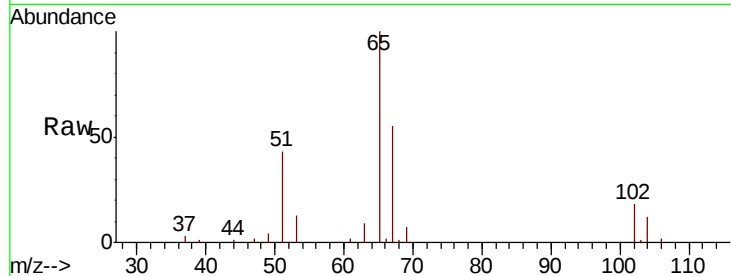
#33
 1,2-Dichloroethane-d4
 Concen: 49.838 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028599.D
 Acq: 11 Dec 2018 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	110.6

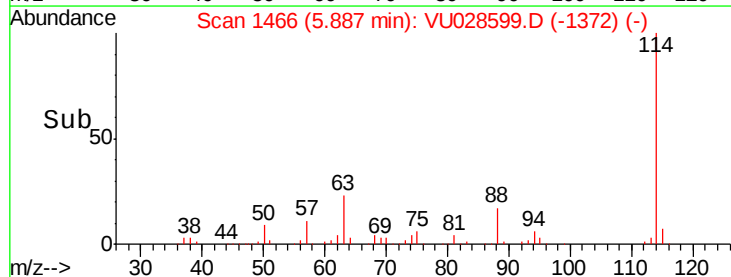
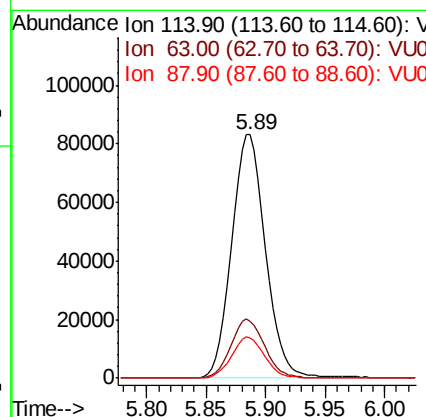
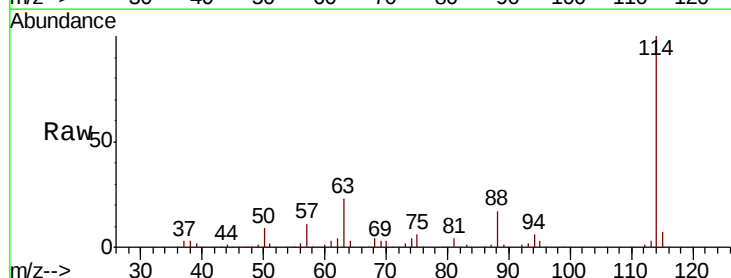
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028599.D
 Acq: 11 Dec 2018 11:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	49.2
88	16.6	0.0	33.4





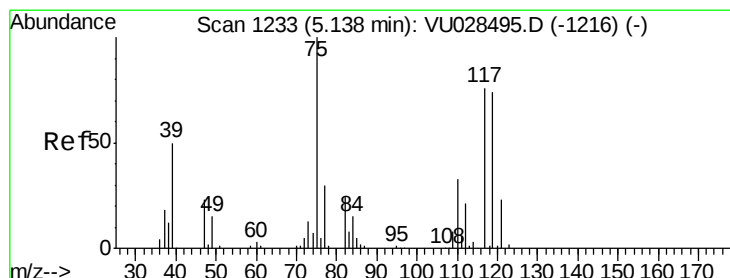
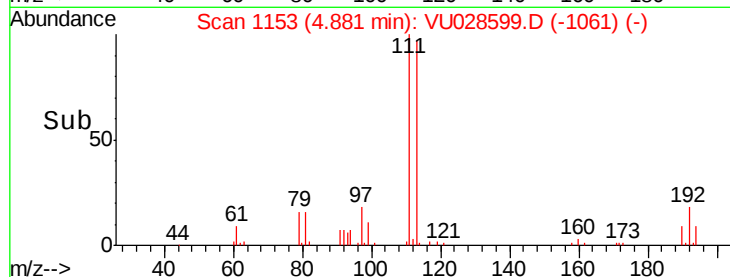
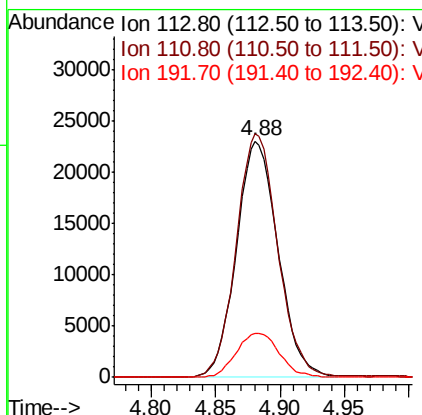
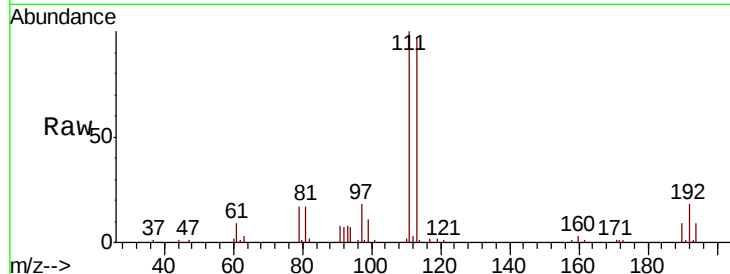
#35
 Dibromofluoromethane
 Concen: 50.188 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028599.D
 Acq: 11 Dec 2018 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.4	125.0
192	19.3	14.8	22.2

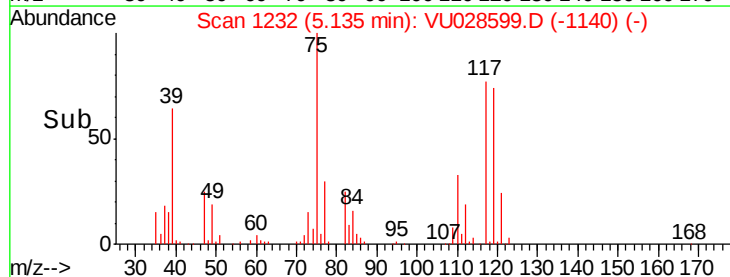
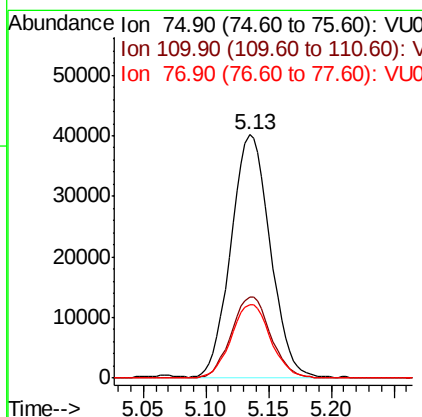
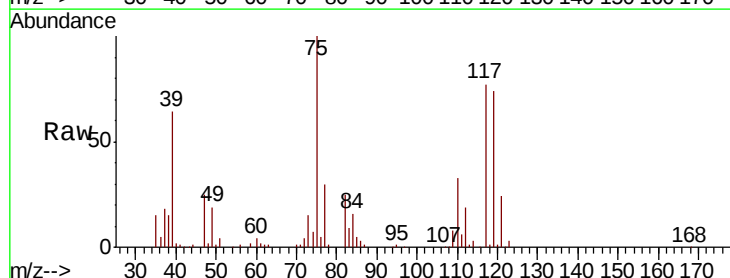
Manual Integrations
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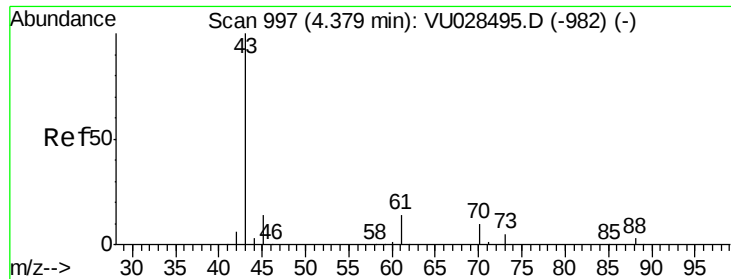
MMDadoda
 12/11/2018 3:03:04 PM



#36
 1,1-Dichloropropene
 Concen: 48.337 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028599.D
 Acq: 11 Dec 2018 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.1	48.2
77	30.8	24.5	36.7





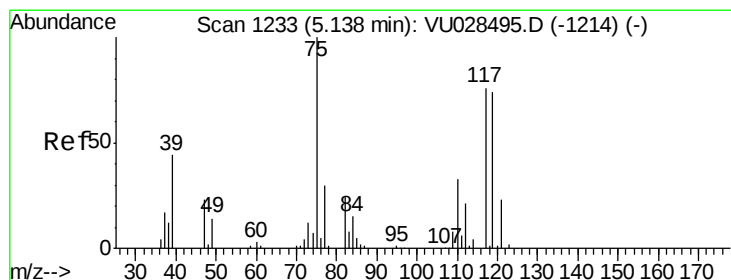
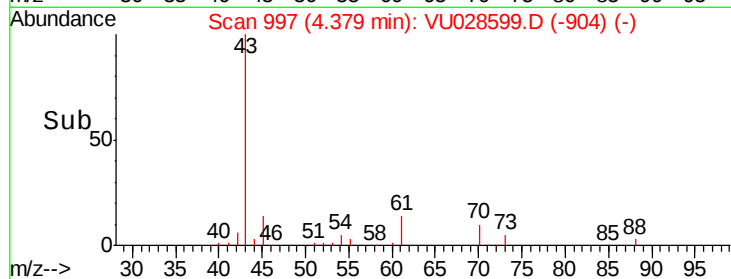
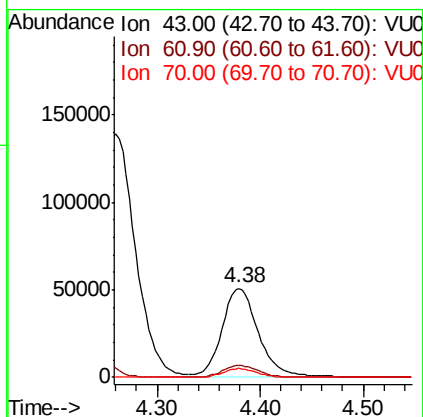
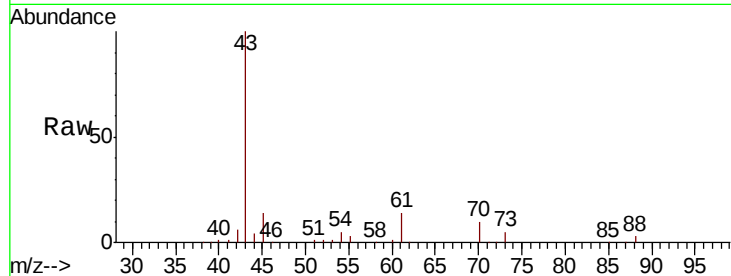
#37
Ethyl Acetate
Concen: 53.001 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	122781
Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.4
70	9.5	7.4	11.0

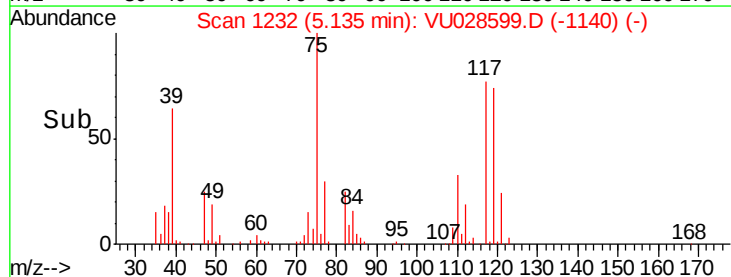
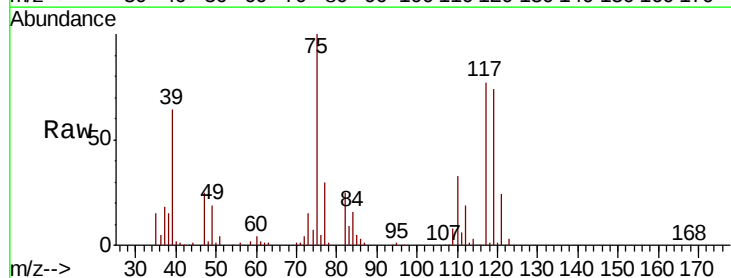
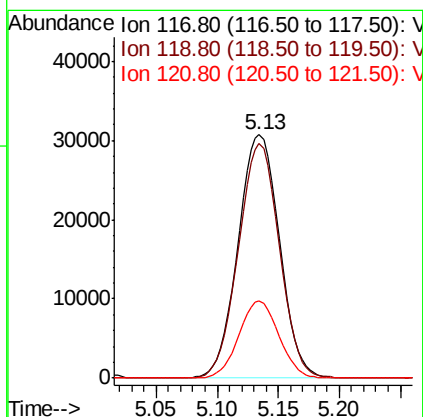
Manual Integrations
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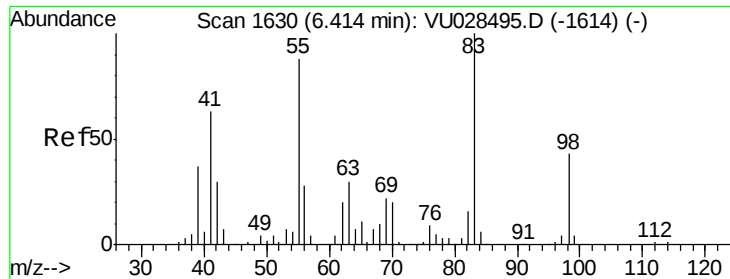
MMDadoda
12/11/2018 3:03:04 PM



#38
Carbon Tetrachloride
Concen: 50.040 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Tgt Ion:	117	Resp:	72278
Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.6	116.4
121	31.8	24.6	36.8





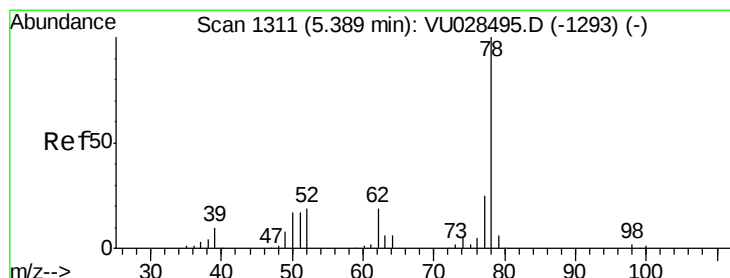
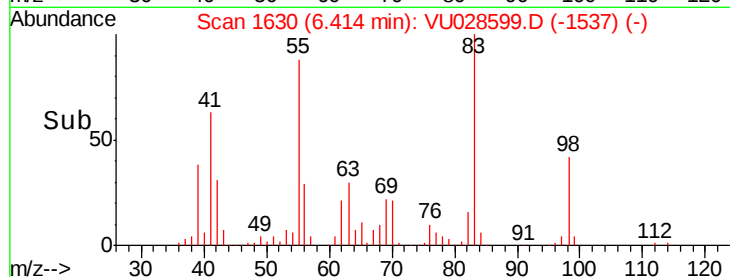
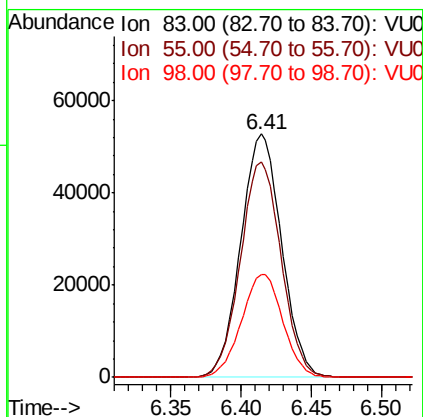
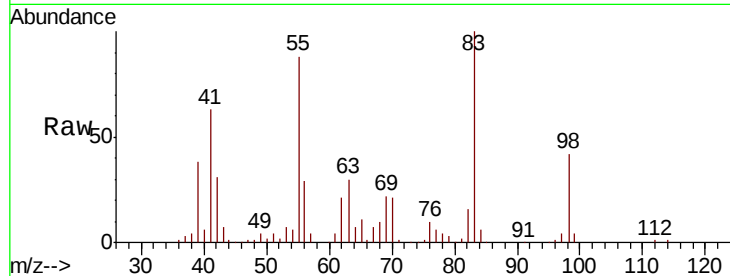
#39
Methvlcvclohexane
Concen: 48.972 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.3	70.2	105.2
98	42.5	34.2	51.4

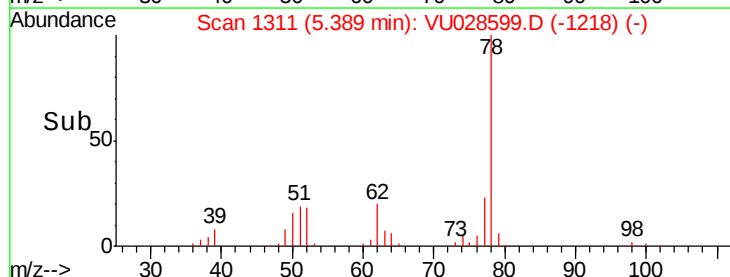
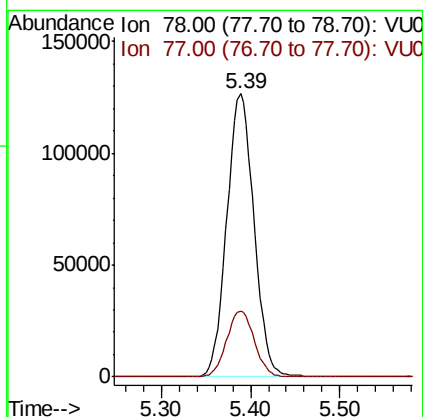
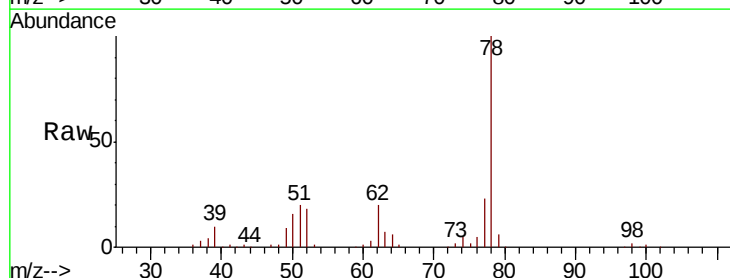
Manual Integrations
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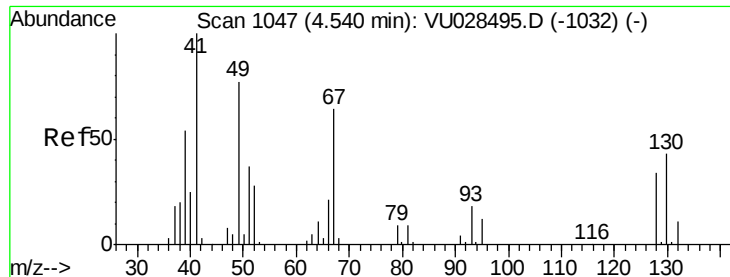
MMDadoda
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#40
Benzene
Concen: 50.764 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.9	29.9





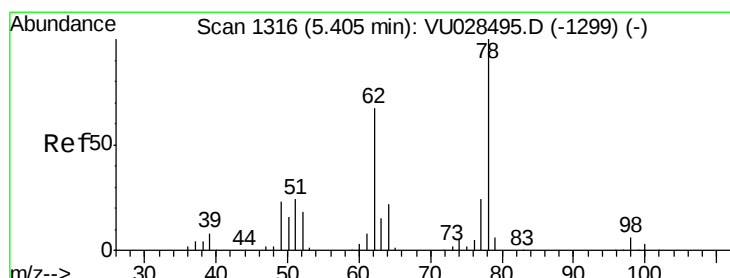
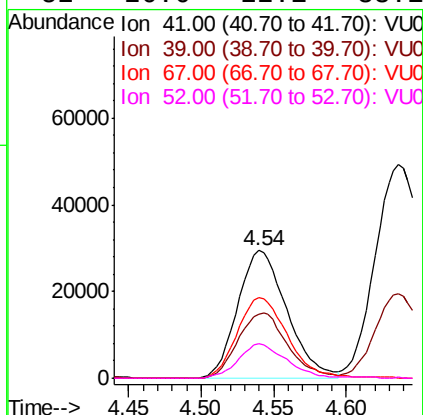
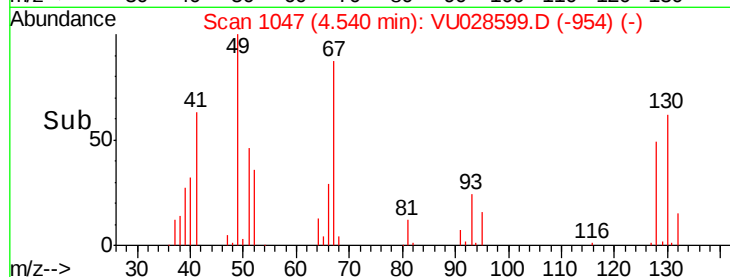
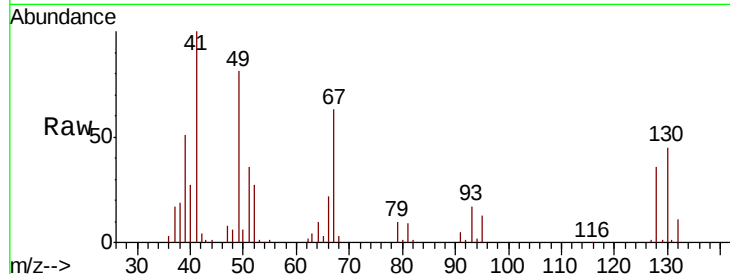
#41
Methacrylonitrile
Concen: 54.829 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.5	43.3	64.9	
67	64.3	53.6	80.4	
52	26.6	22.1	33.1	

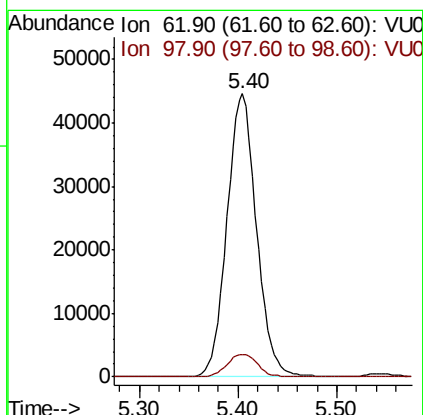
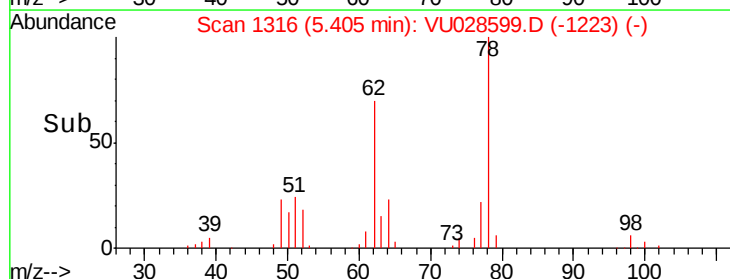
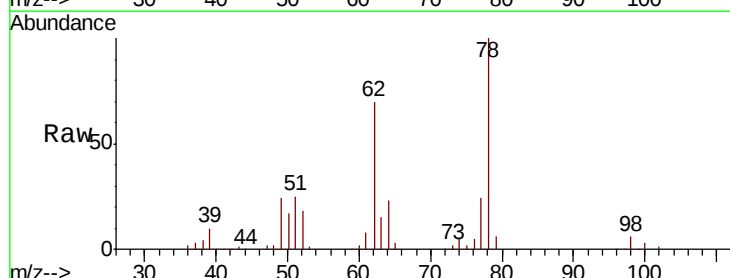
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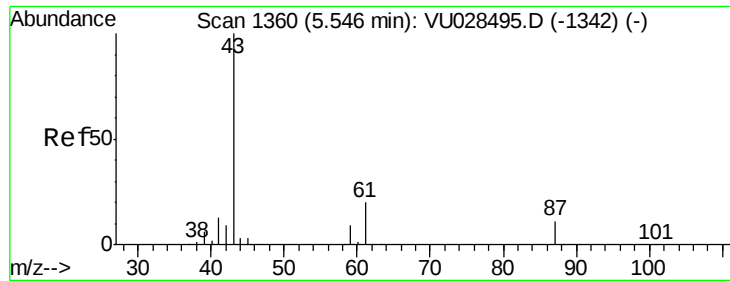
MMDadoda
12/11/2018 3:03:04 PM



#42
1,2-Dichloroethane
Concen: 50.507 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	17.2	





#43

Isopropyl Acetate

Concen: 52.599 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Instrument :

MSVOA_U

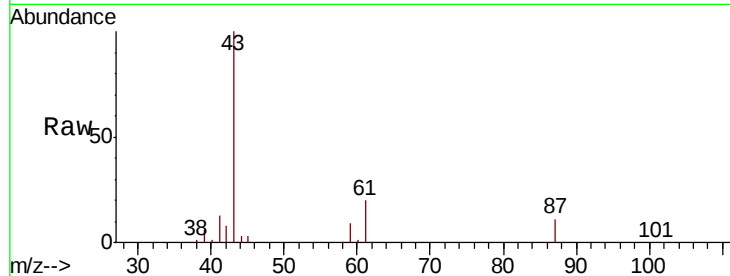
ClientSampleId :

VSTDCCC050EC

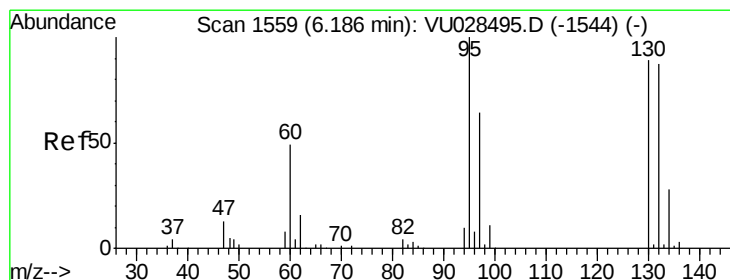
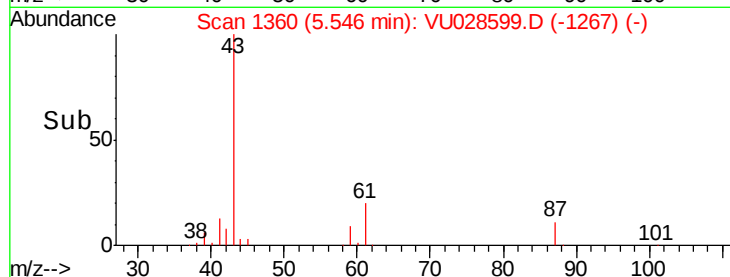
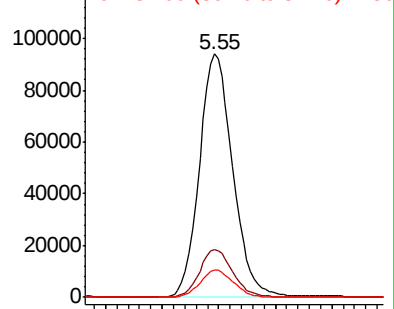
Tot Ion:	43	Resp:	192730
Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.5	23.3
87	11.3	8.7	13.1

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Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1342) (-)



#44

Trichloroethene

Concen: 49.756 ug/l

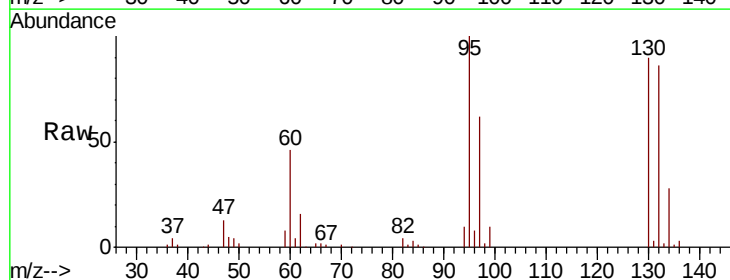
RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

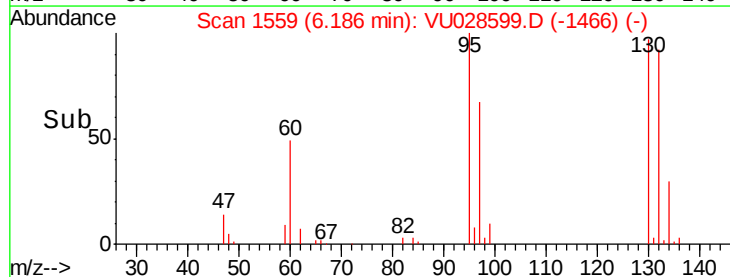
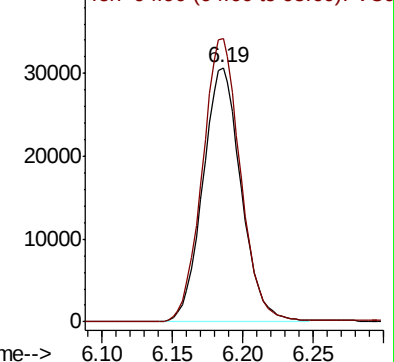
Lab File: VU028599.D

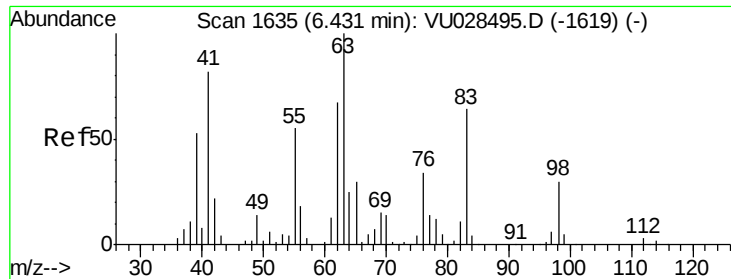
Acq: 11 Dec 2018 11:18

Tgt Ion:	130	Resp:	58391
Ion	Ratio	Lower	Upper
130	100		
95	111.2	0.0	224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)





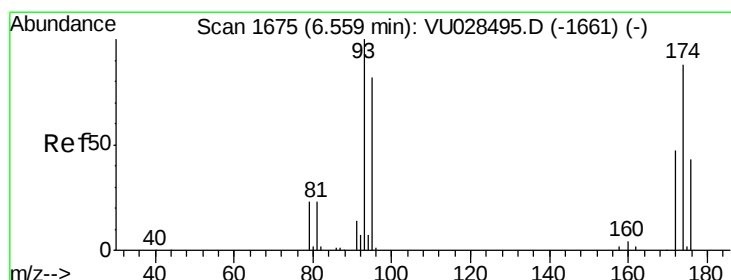
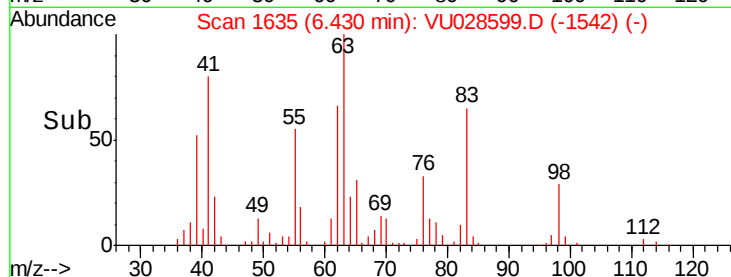
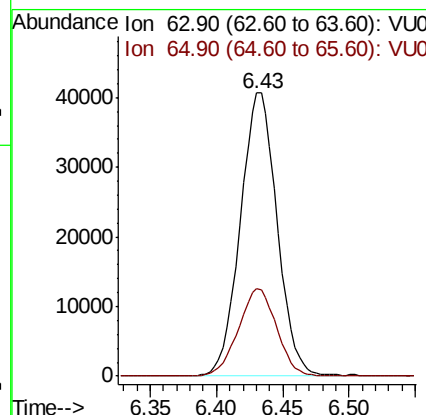
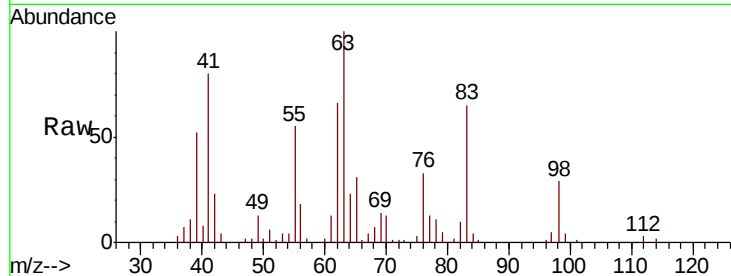
#45
 1,2-Dichloropropane
 Concen: 52.786 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028599.D
 Acq: 11 Dec 2018 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 78346
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.2 36.4

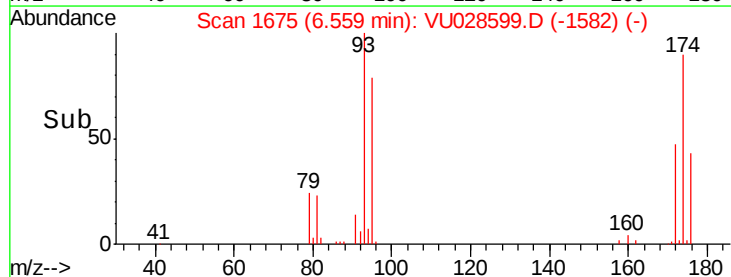
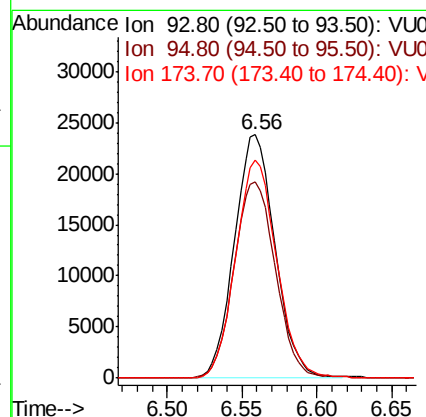
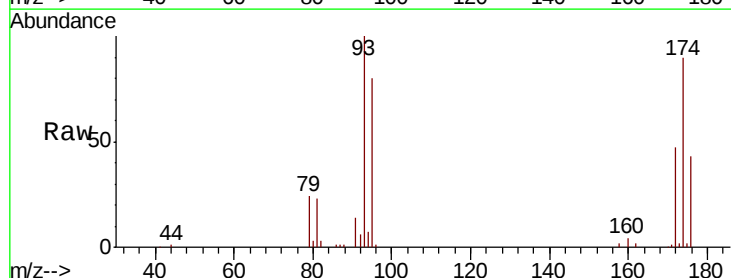
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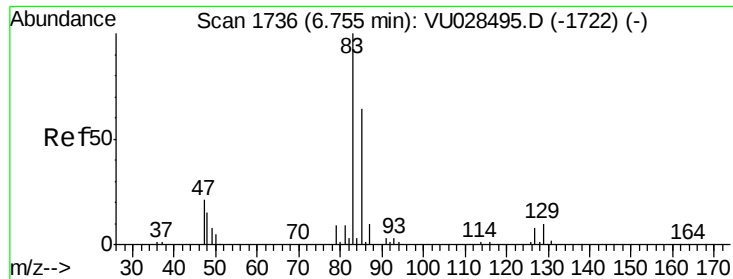
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#46
 Dibromomethane
 Concen: 51.203 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028599.D
 Acq: 11 Dec 2018 11:18

Tgt Ion: 93 Resp: 45091
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.4 98.2
 174 90.4 72.2 108.4





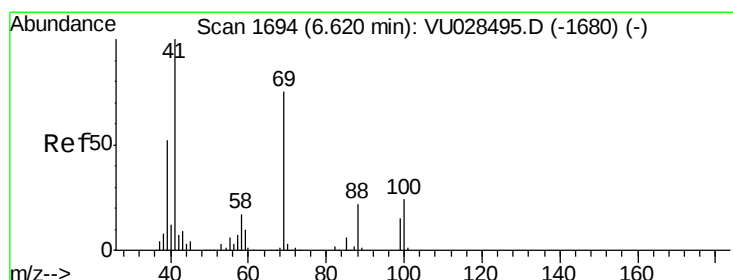
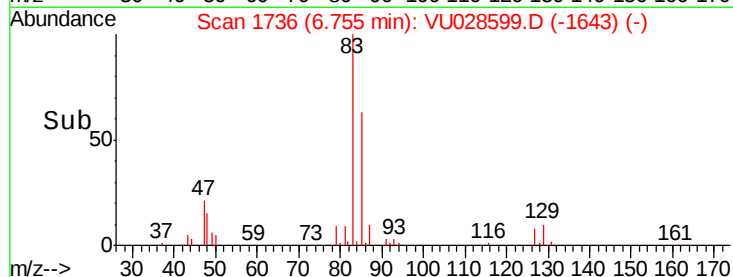
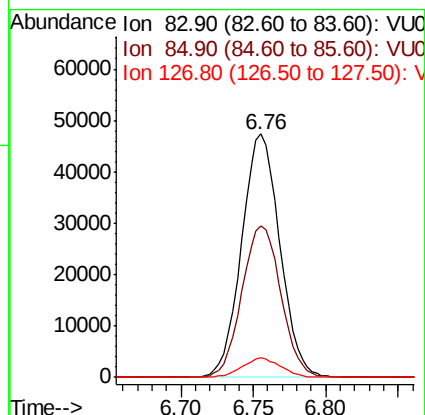
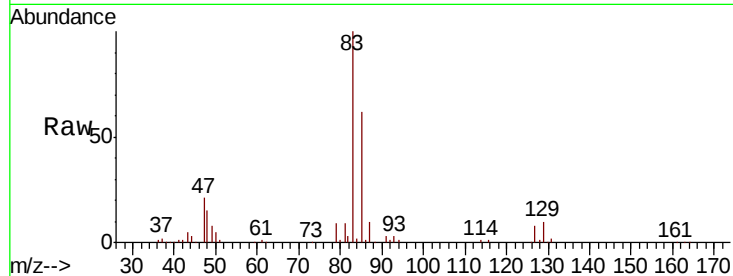
#47
Bromodichloromethane
Concen: 50.695 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	86874
Ion Ratio	100	Lower	Upper
83	100		
85	62.3	51.5	77.3
127	8.2	6.2	9.4

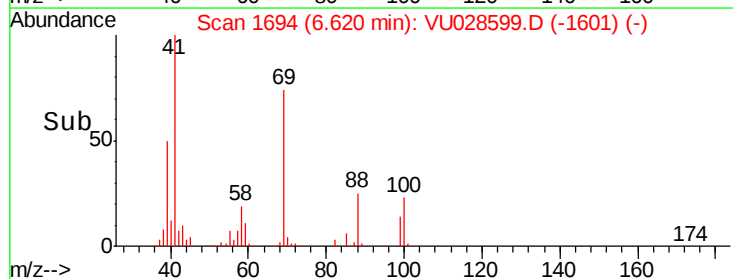
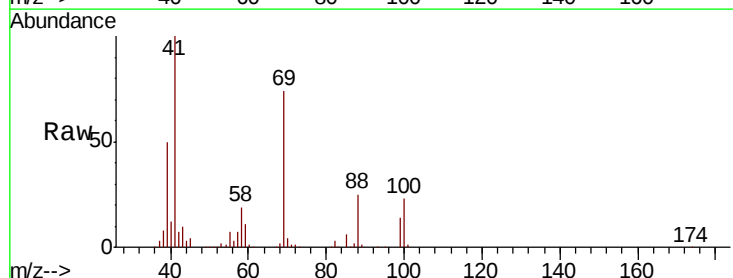
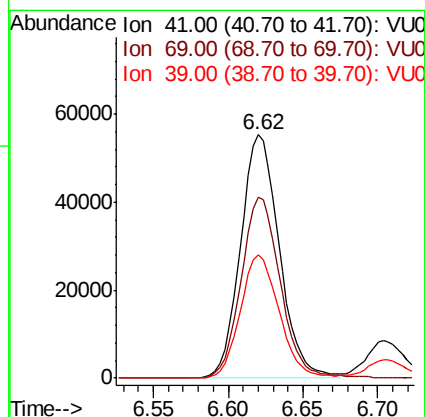
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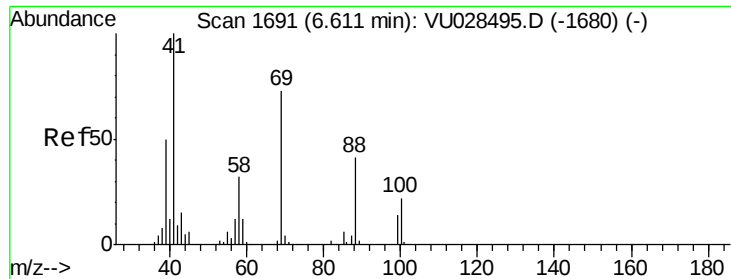
MMDadoda
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#48
Methyl methacrylate
Concen: 54.962 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Tgt Ion	41	Resp	100152
Ion Ratio	100	Lower	Upper
41	100		
69	75.2	60.4	90.6
39	50.6	41.1	61.7





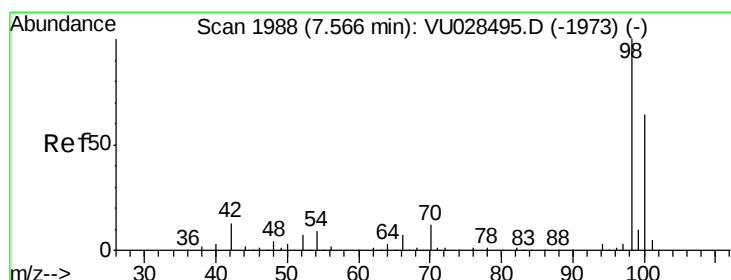
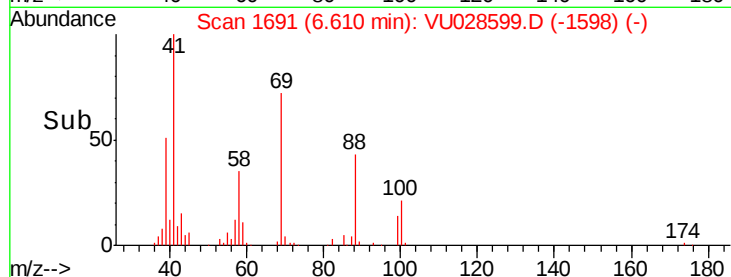
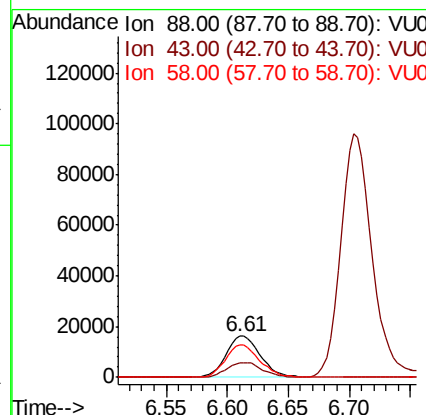
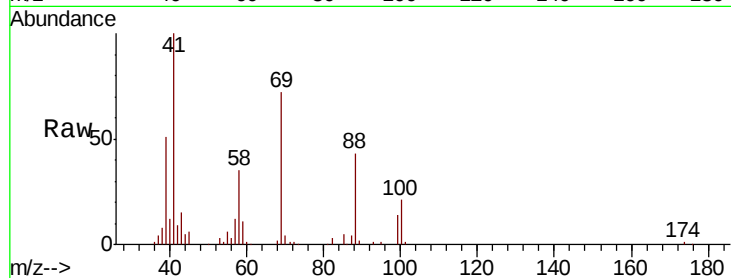
#49
1,4-Dioxane
Concen: 1116.435 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.9	30.9	46.3
58	78.6	62.4	93.6

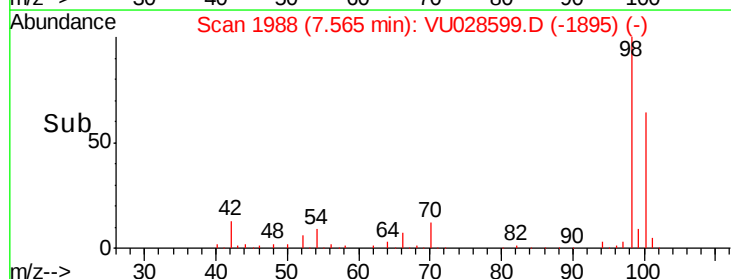
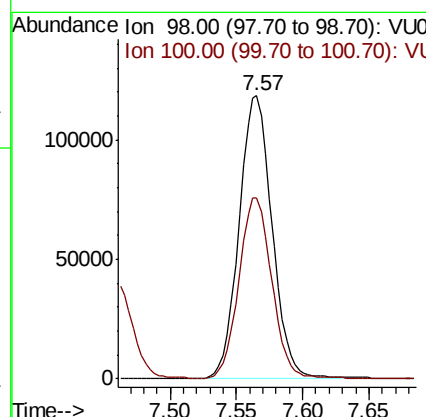
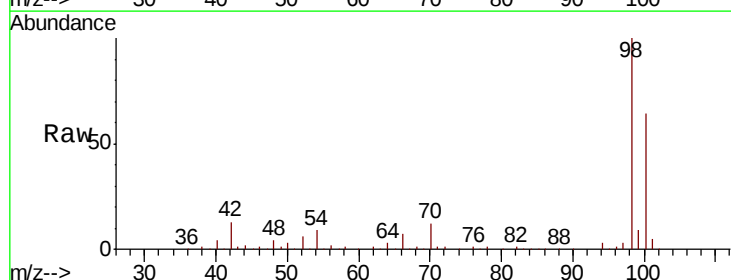
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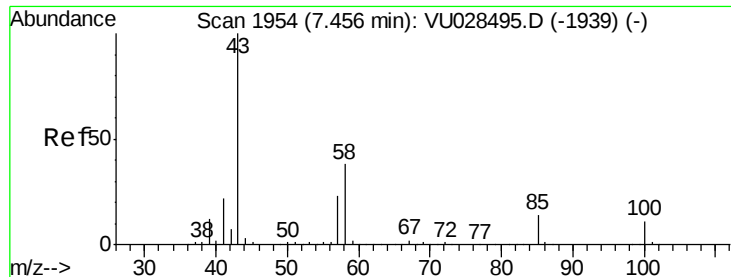
MMDadoda
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#50
Toluene-d8
Concen: 50.323 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 268.812 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 621232

Ion Ratio Lower Upper

43 100

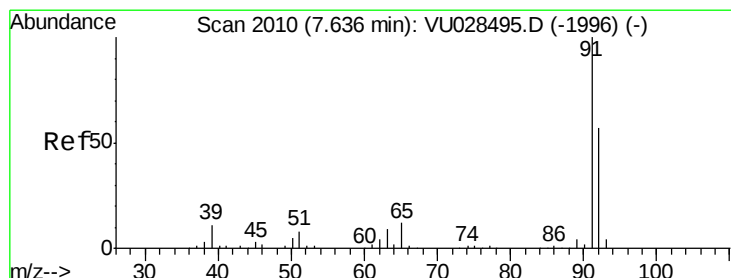
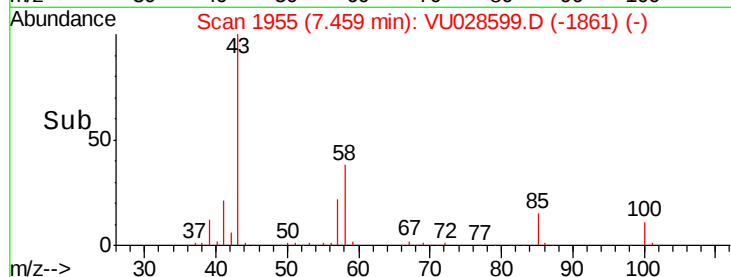
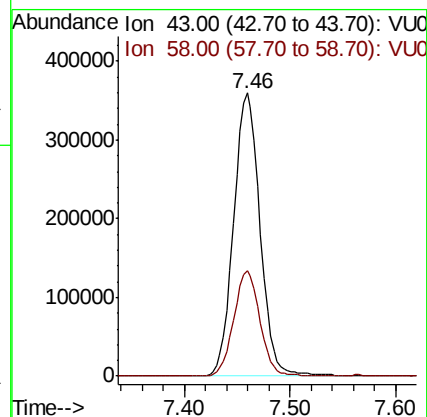
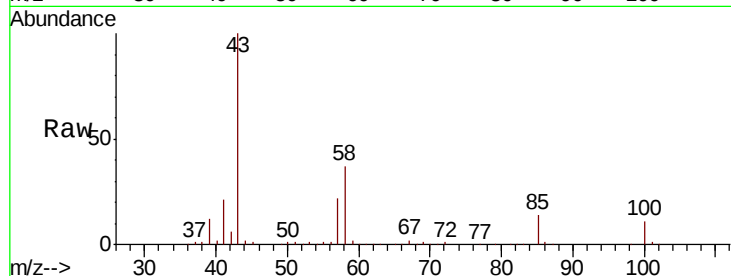
58 37.1 30.2 45.2

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#52

Toluene

Concen: 50.647 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028599.D

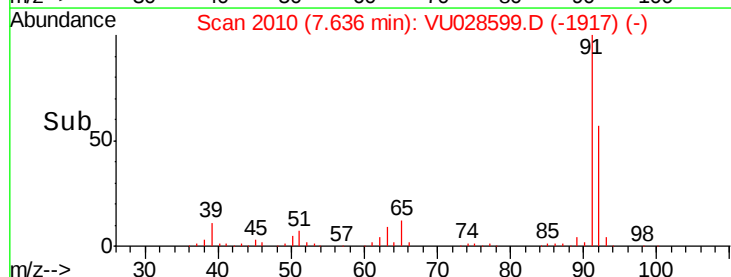
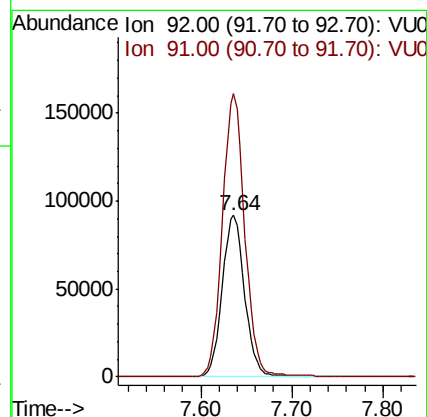
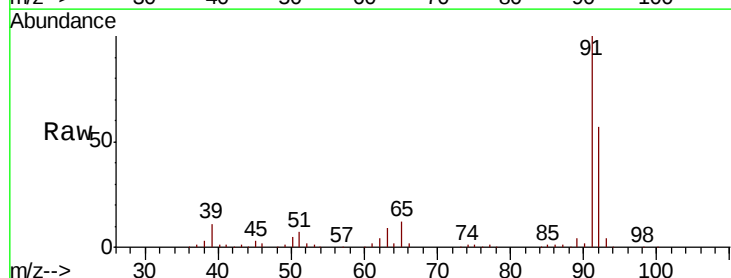
Acq: 11 Dec 2018 11:18

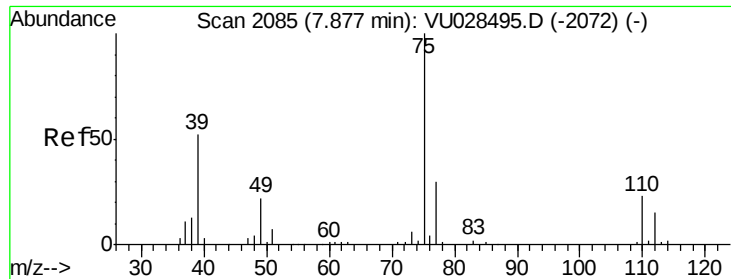
Tgt Ion: 92 Resp: 157320

Ion Ratio Lower Upper

92 100

91 175.9 140.2 210.4





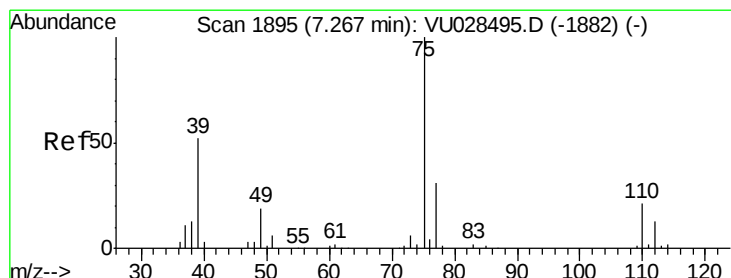
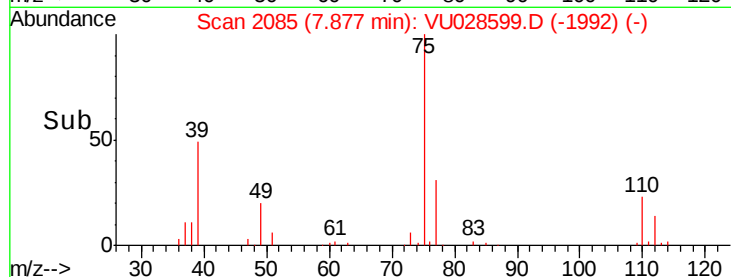
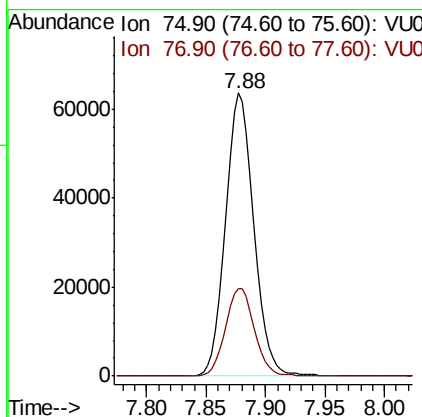
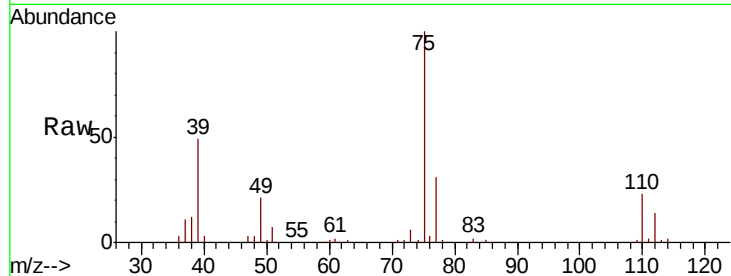
#53
t-1,3-Dichloropropene
Concen: 51.375 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.2	36.4

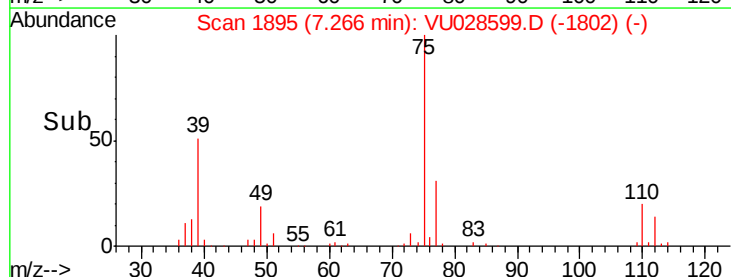
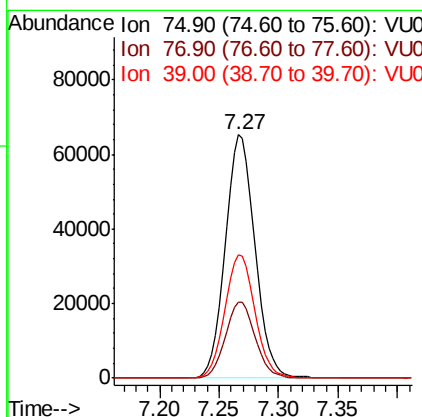
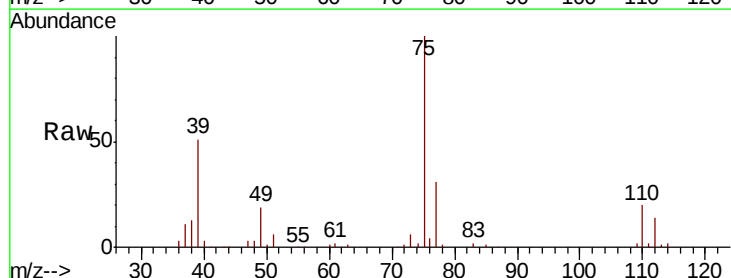
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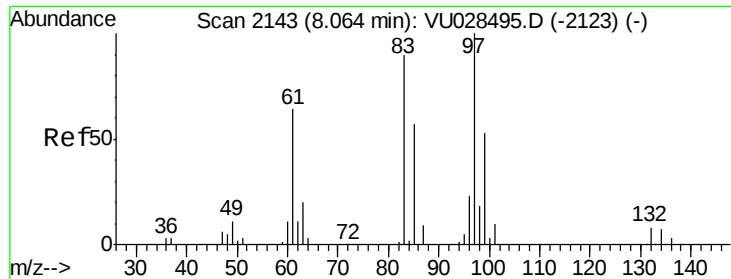
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#54
cis-1,3-Dichloropropene
Concen: 50.961 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.4
39	50.7	41.3	61.9





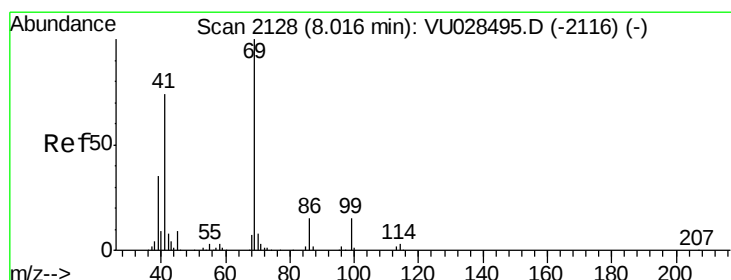
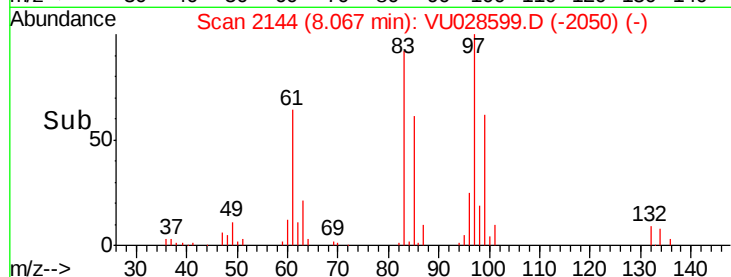
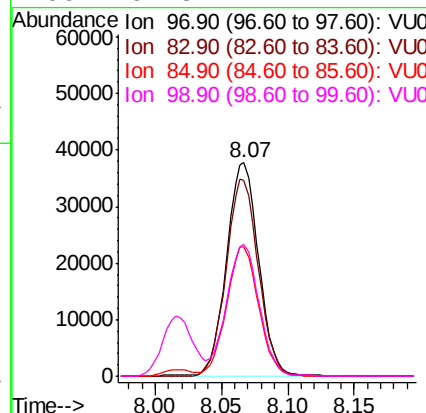
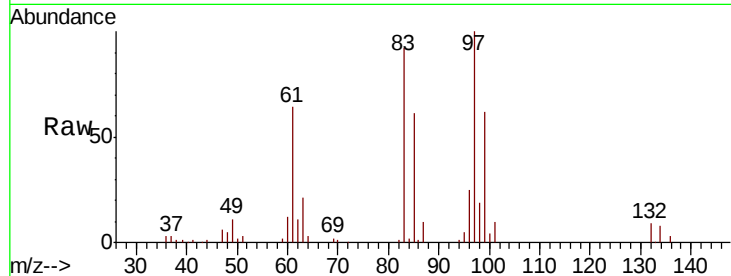
#55
 1,1,2-Trichloroethane
 Concen: 51.862 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028599.D
 Acq: 11 Dec 2018 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	63679
Ion	Ratio	Lower	Upper
97	100		
83	91.9	72.4	108.6
85	60.6	46.0	69.0
99	61.8	47.4	71.2

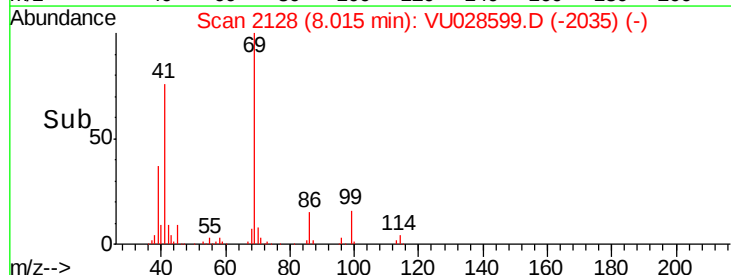
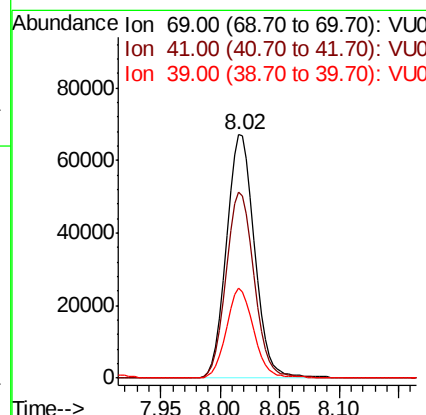
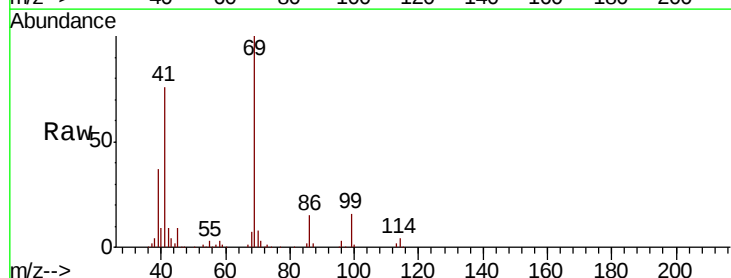
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#56
 Ethyl methacrylate
 Concen: 52.426 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028599.D
 Acq: 11 Dec 2018 11:18

Tgt Ion:	69	Resp:	110234
Ion	Ratio	Lower	Upper
69	100		
41	76.5	59.1	88.7
39	35.9	28.4	42.6





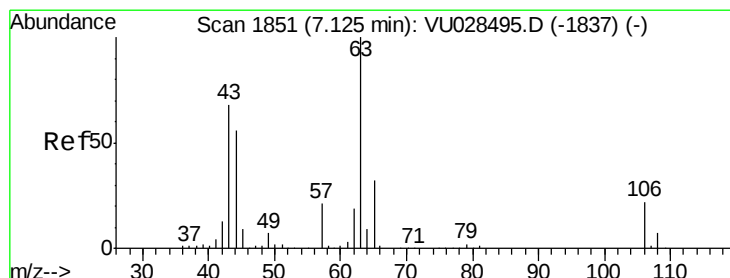
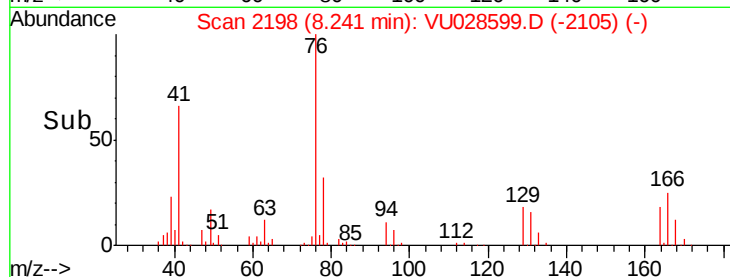
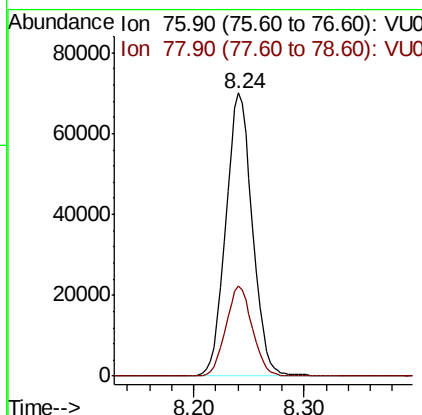
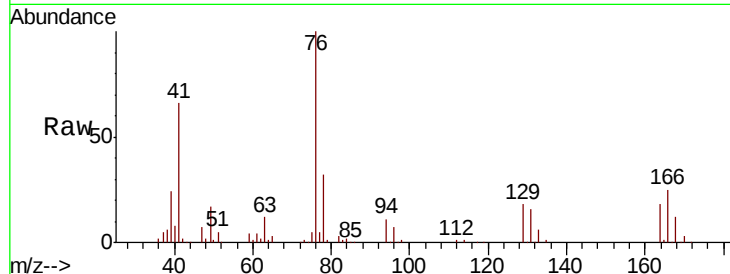
#57
 1,3-Dichloropropane
 Concen: 51.274 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028599.D
 Acq: 11 Dec 2018 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 116867
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.2 37.8

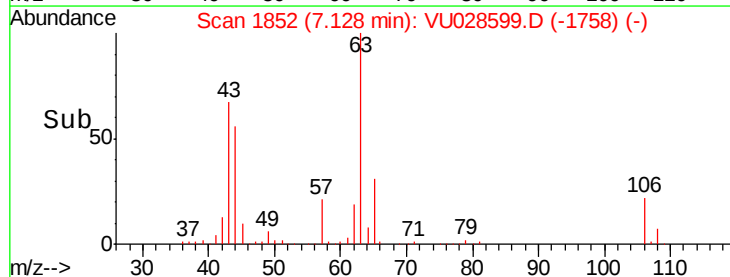
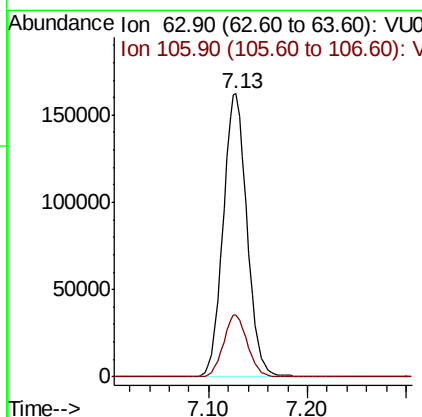
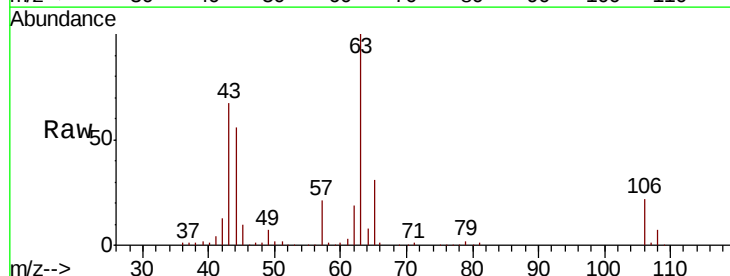
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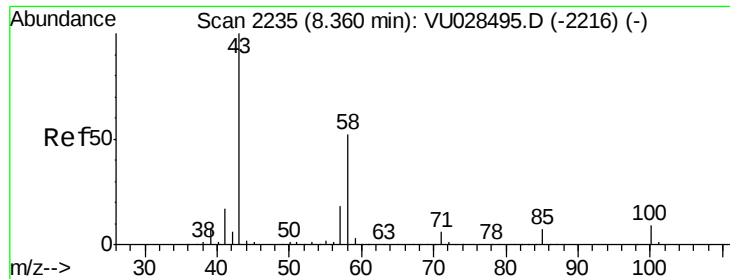
MMDadoda
 12/11/2018 3:03:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.028 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU028599.D
 Acq: 11 Dec 2018 11:18

Tgt Ion: 63 Resp: 275739
 Ion Ratio Lower Upper
 63 100
 106 21.8 17.8 26.6





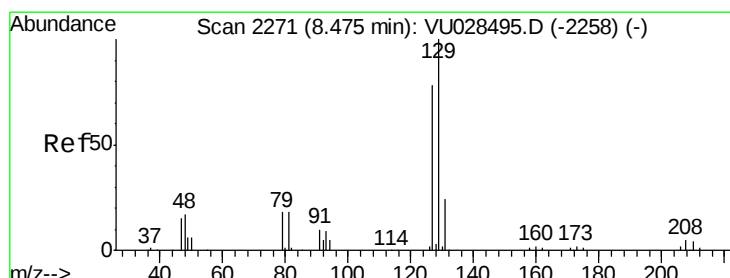
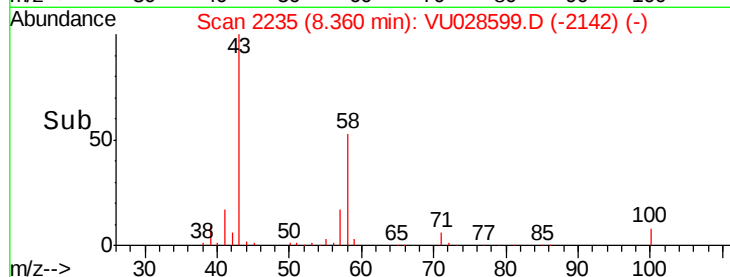
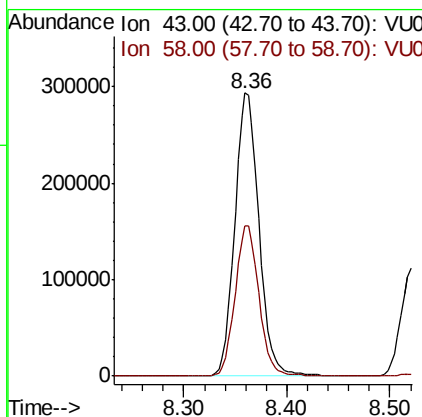
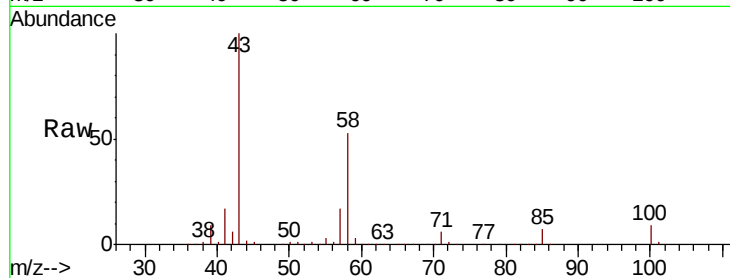
#59
 2-Hexanone
 Concen: 261.763 ug/l
 RT: 8.36 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: VU028599.D
 Acq: 11 Dec 2018 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 479481
 Ion Ratio Lower Upper
 43 100
 58 52.8 25.9 77.6

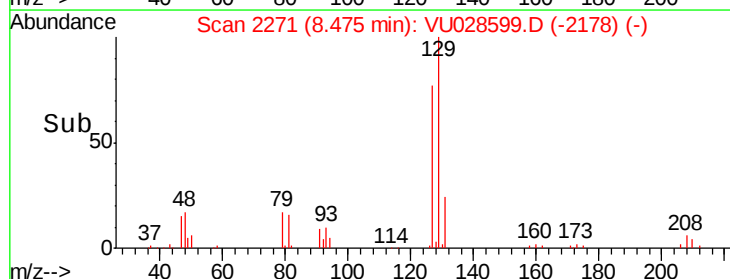
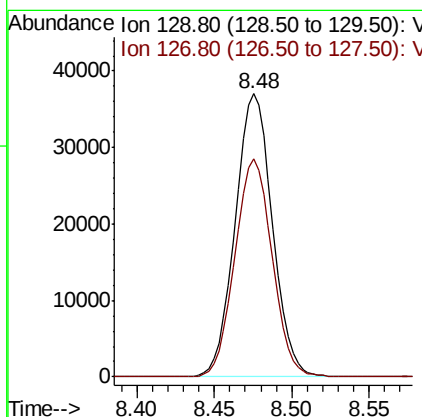
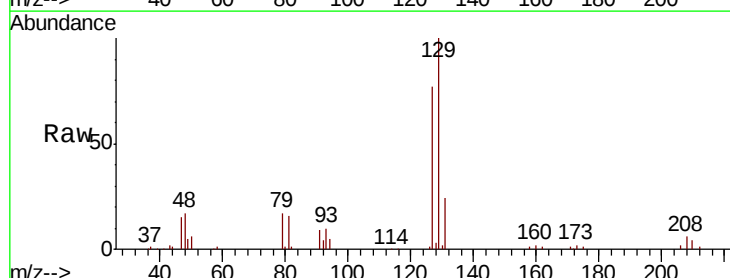
Manual Integrations
 APPROVED

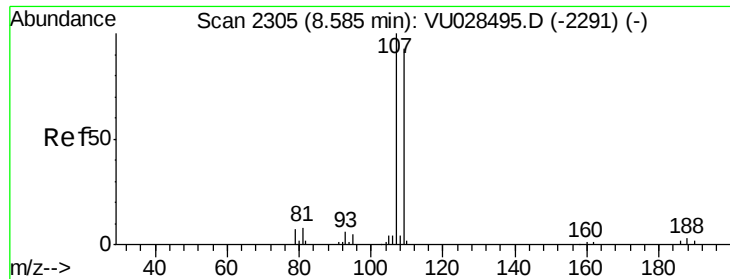
MMDadoda
 12/11/2018 3:03:04 PM



#60
 Dibromochloromethane
 Concen: 51.444 ug/l
 RT: 8.48 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VU028599.D
 Acq: 11 Dec 2018 11:18

Tgt Ion: 129 Resp: 61843
 Ion Ratio Lower Upper
 129 100
 127 77.1 39.1 117.3





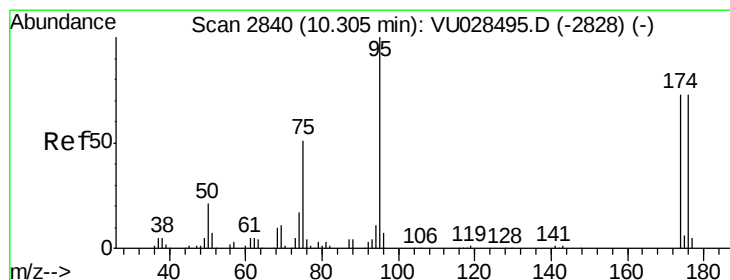
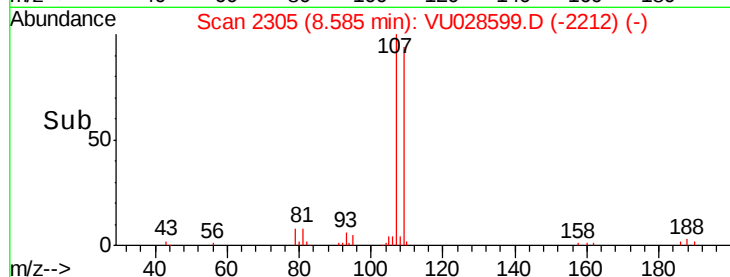
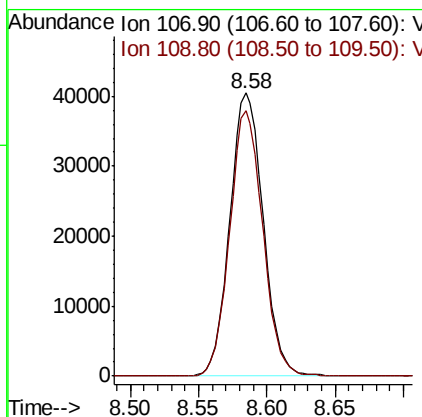
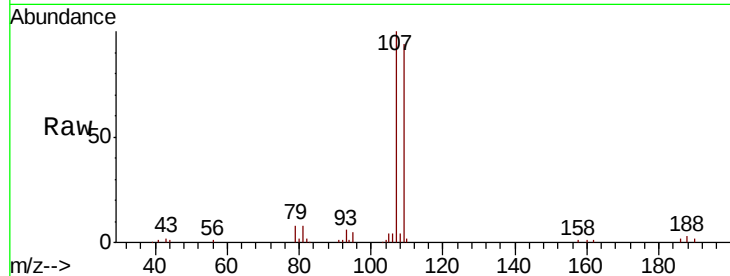
#61
 1,2-Dibromoethane
 Concen: 53.414 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028599.D
 Acq: 11 Dec 2018 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:107 Resp: 68777
 Ion Ratio Lower Upper
 107 100
 109 93.0 74.5 111.7

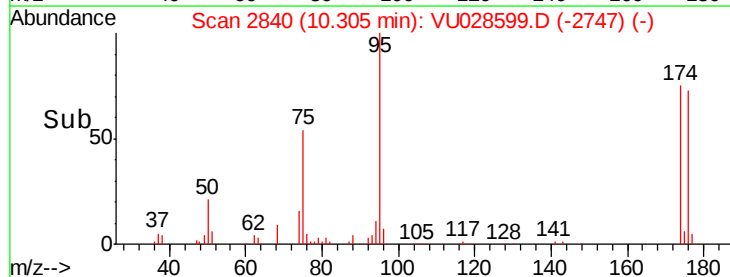
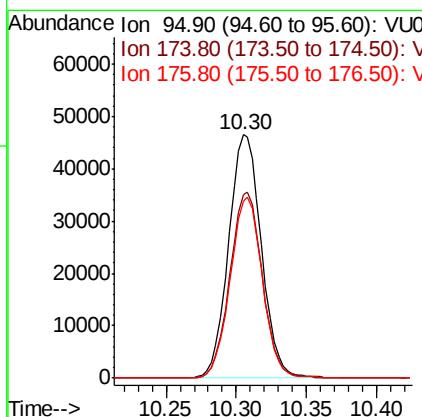
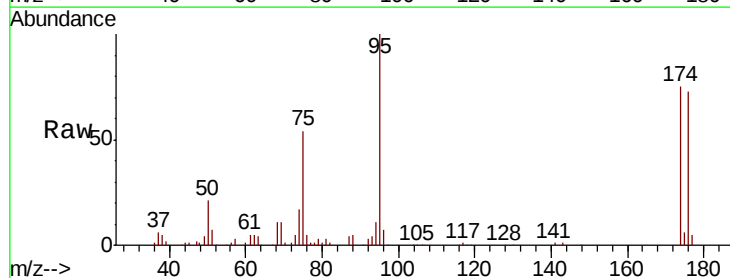
Manual Integrations
 APPROVED

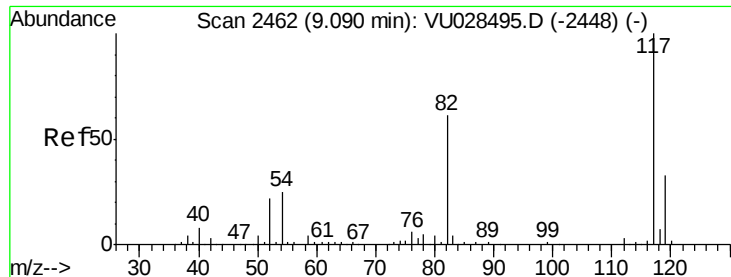
MMDadoda
 12/11/2018 3:03:04 PM



#62
 4-Bromofluorobenzene
 Concen: 49.544 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028599.D
 Acq: 11 Dec 2018 11:18

Tgt Ion: 95 Resp: 75493
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 150.4
 176 73.3 0.0 145.2





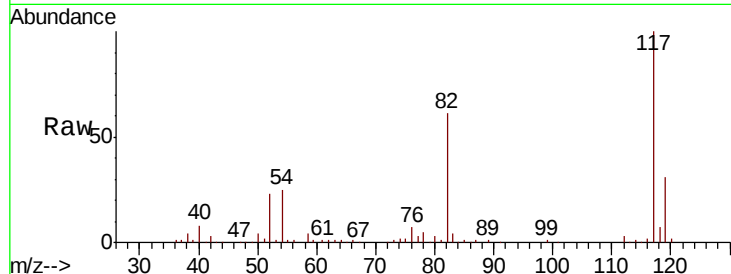
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	48.9	73.3
119	31.5	26.2	39.4

Manual Integrations
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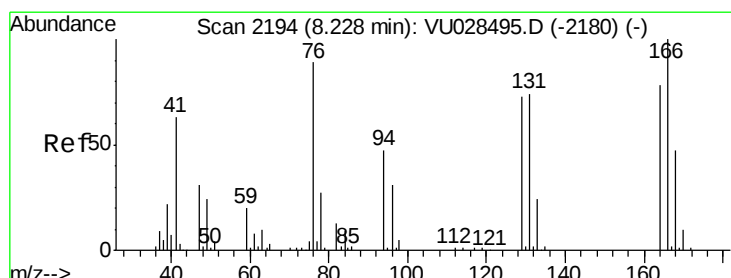
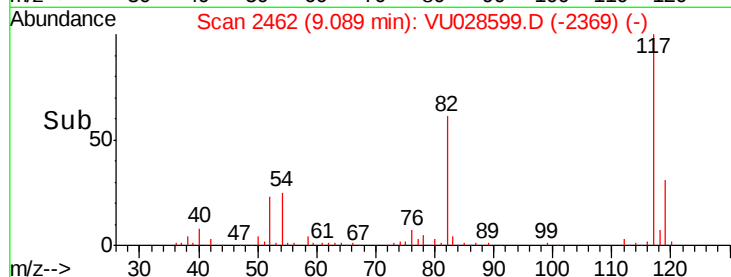
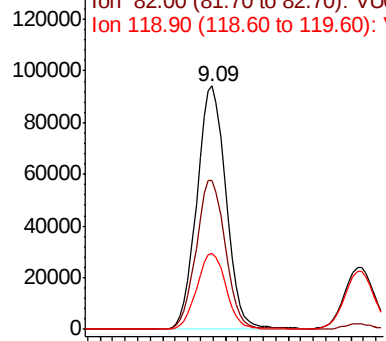


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 49.594 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	101.9	152.9
129	96.3	74.9	112.3
131	89.2	75.4	113.0

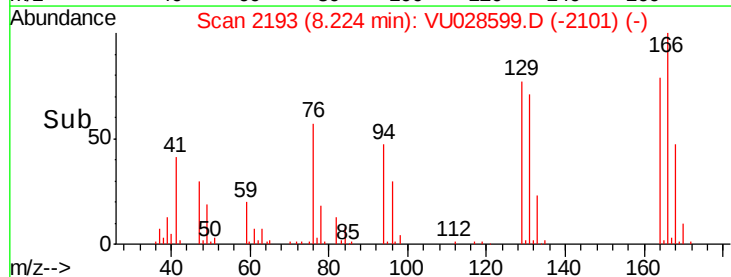
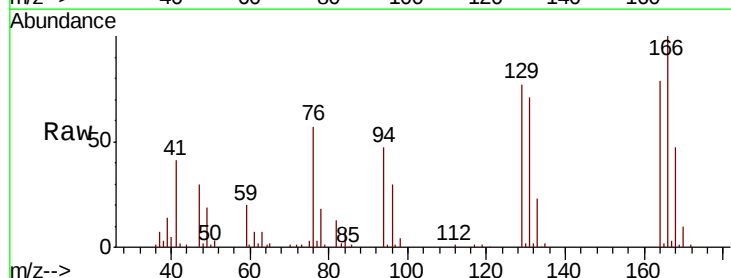
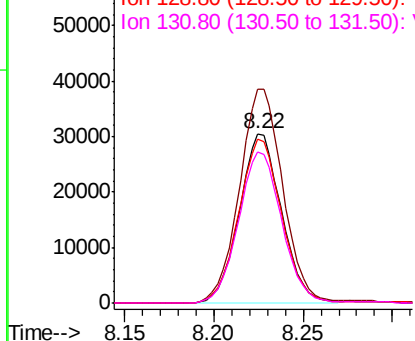
Abundance

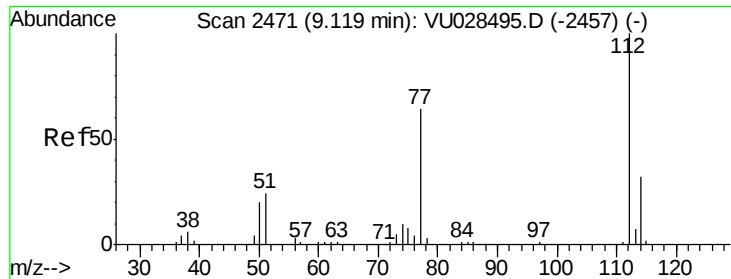
Ion 163.80 (163.50 to 164.50): V

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: 50.925 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 164991

Ion Ratio Lower Upper

112 100

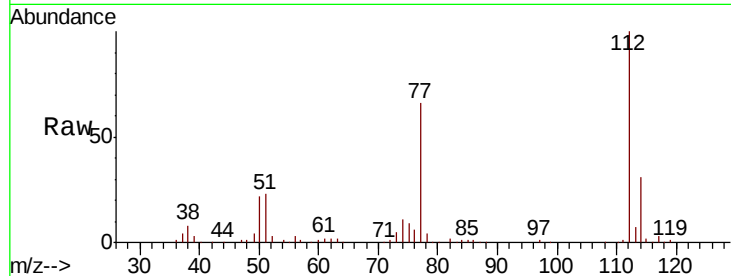
114 31.2 25.3 37.9

Manual Integrations

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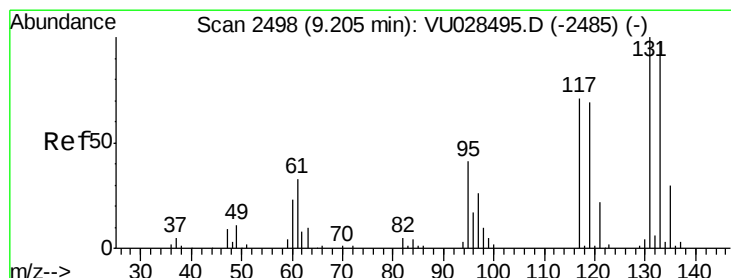
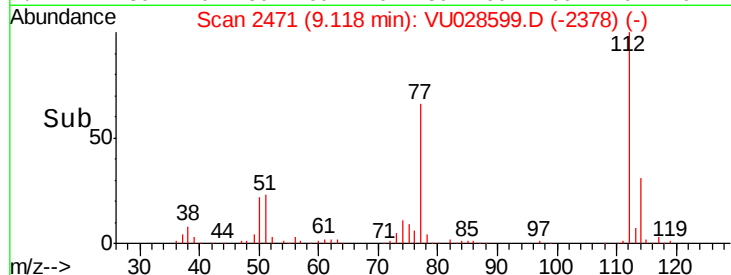
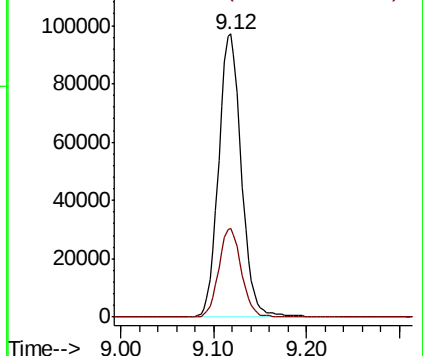
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.062 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

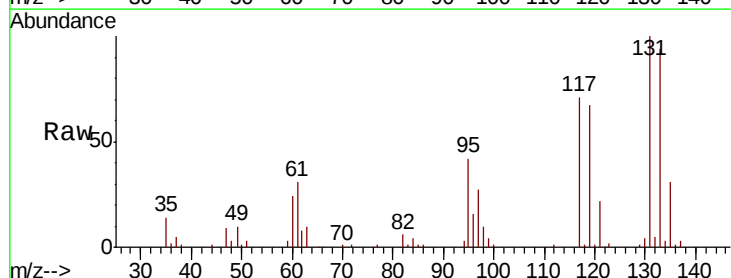
Tgt Ion:131 Resp: 54898

Ion Ratio Lower Upper

131 100

133 95.4 48.0 144.0

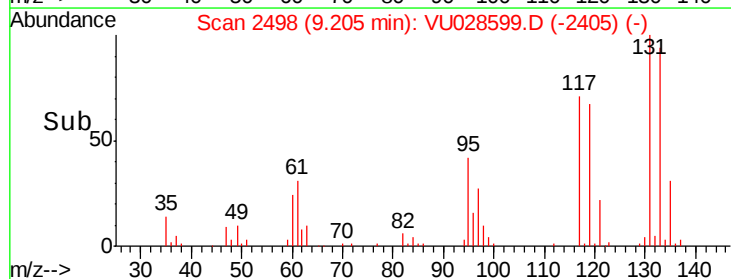
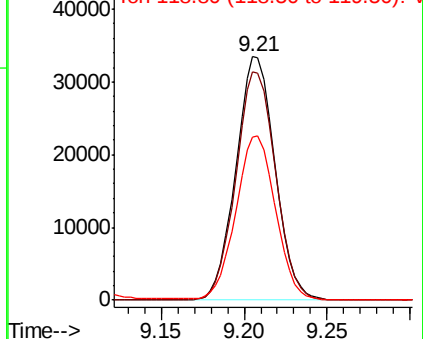
119 68.9 34.6 103.9

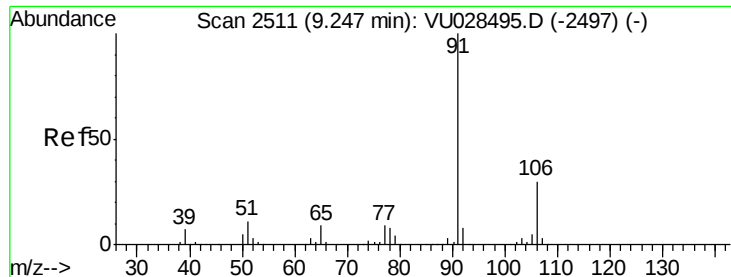


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





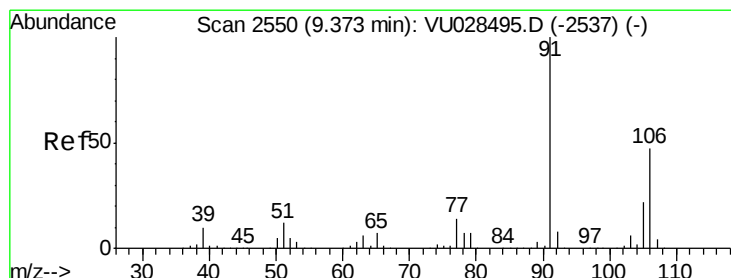
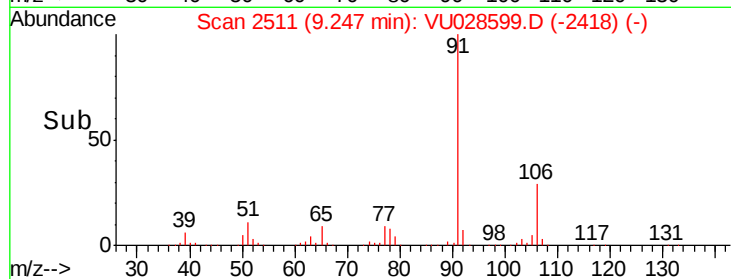
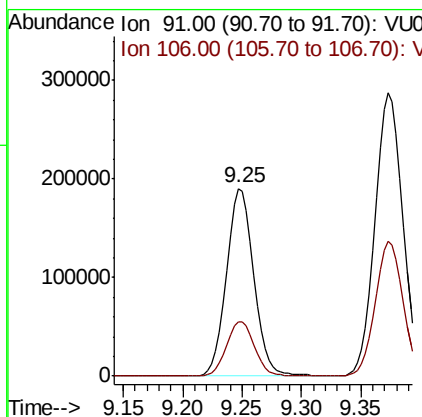
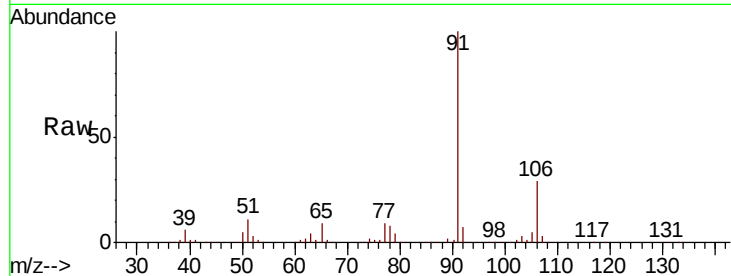
#67
Ethyl Benzene
Concen: 51.060 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 304106
Ion Ratio Lower Upper
91 100
106 29.2 24.1 36.1

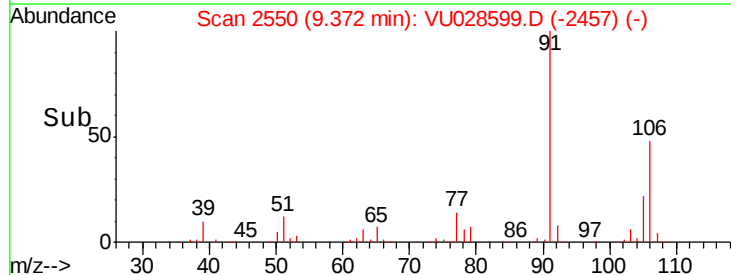
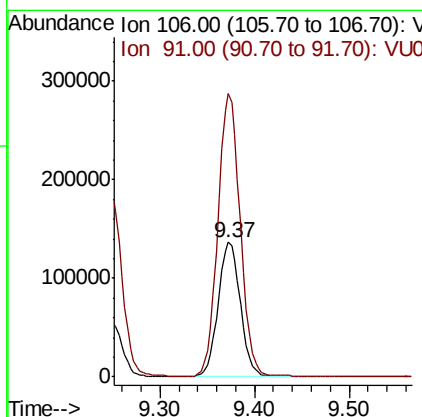
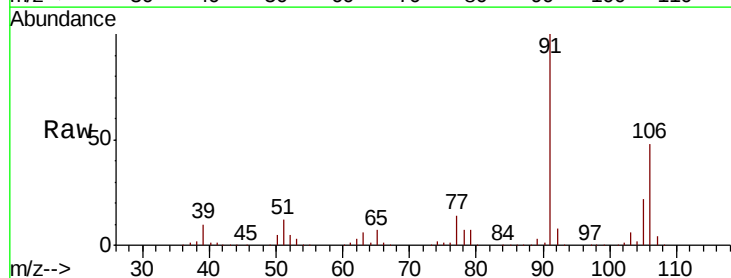
Manual Integrations
APPROVED

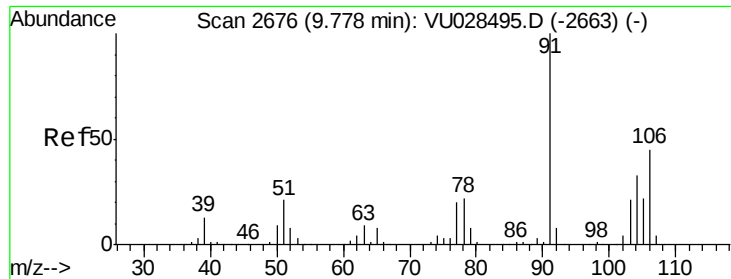
MMDadoda
12/11/2018 3:03:04 PM



#68
m/p-Xylenes
Concen: 103.082 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Tgt Ion: 106 Resp: 223398
Ion Ratio Lower Upper
106 100
91 210.8 167.4 251.0





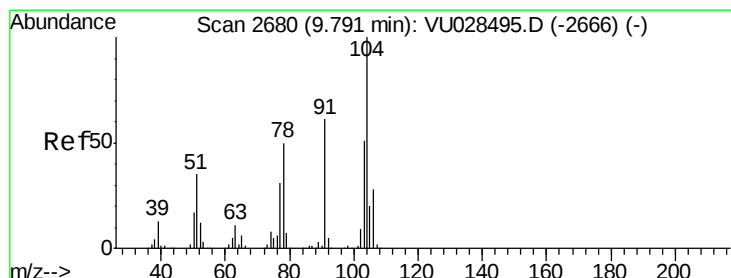
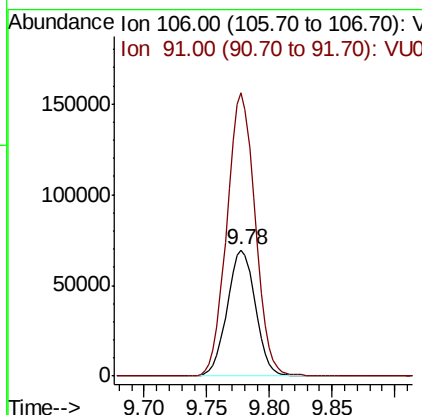
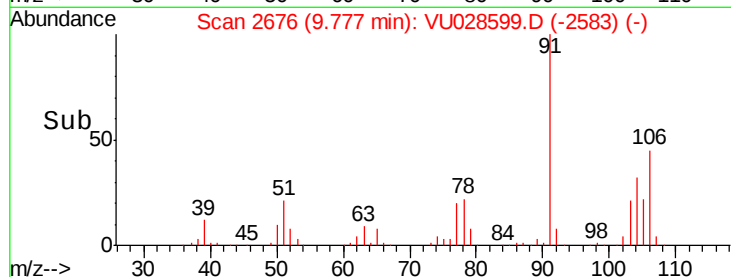
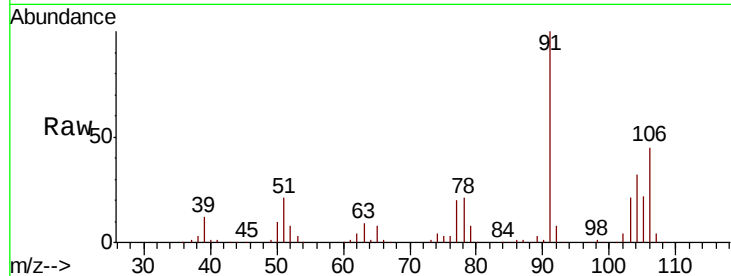
#69
o-Xylene
Concen: 51.784 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 109061
Ion Ratio Lower Upper
106 100
91 224.2 111.3 334.0

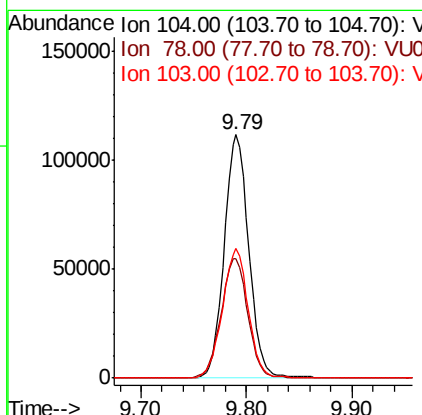
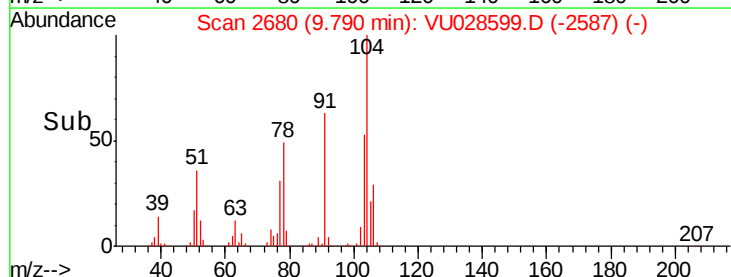
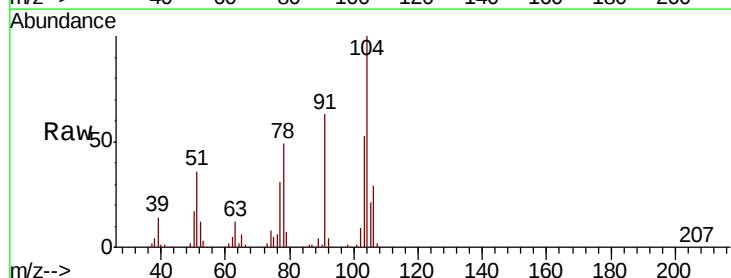
Manual Integrations
APPROVED

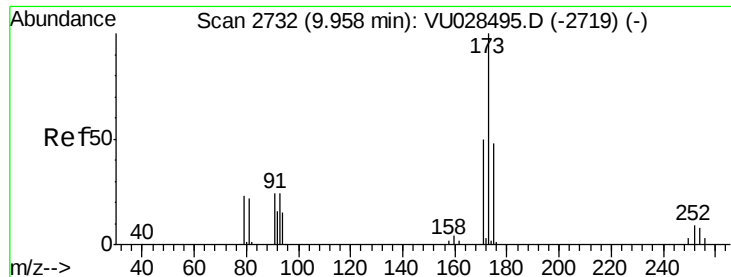
MMDadoda
12/11/2018 3:03:04 PM



#70
Styrene
Concen: 51.612 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Tgt Ion:104 Resp: 179889
Ion Ratio Lower Upper
104 100
78 53.5 43.0 64.6
103 55.8 44.2 66.4





#71

Bromoform

Concen: 53.205 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 46827

Ion Ratio Lower Upper

173 100

175 49.1 23.9 71.8

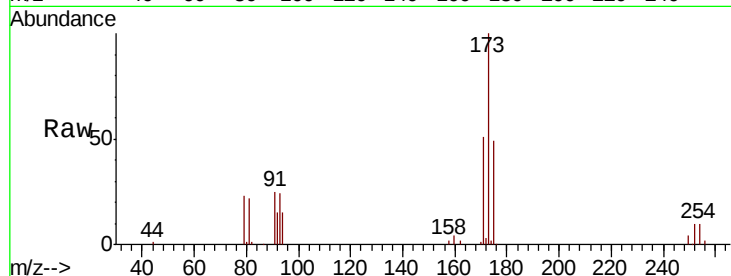
254 0.0 0.0 0.0

Manual Integrations

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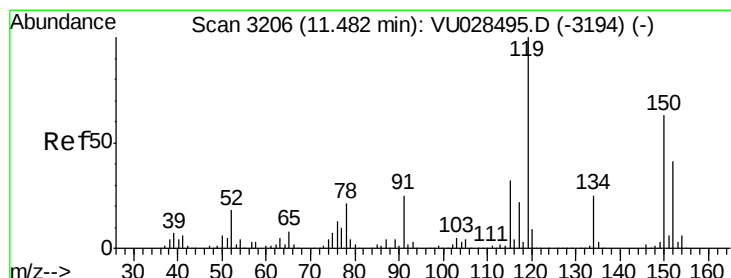
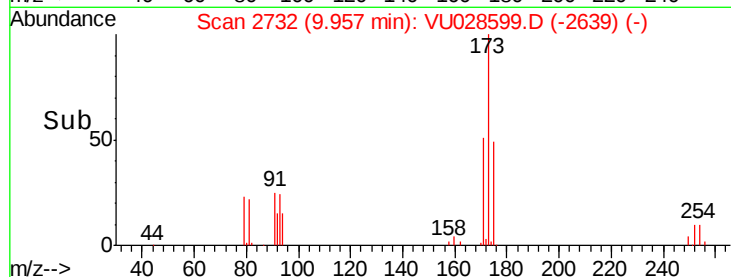
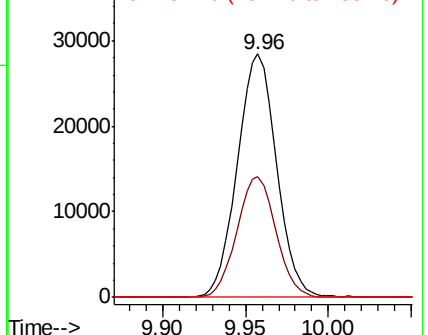
12/11/2018 3:03:04 PM



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: VU028599.D

Acq: 11 Dec 2018 11:18

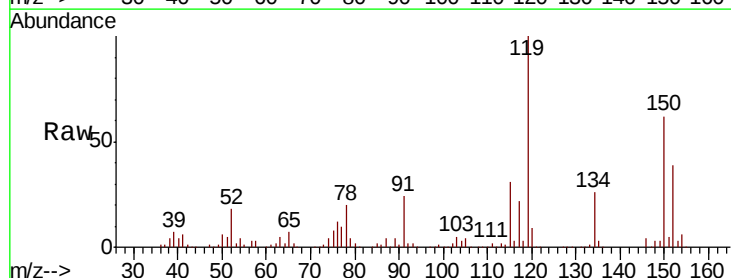
Tgt Ion:152 Resp: 74835

Ion Ratio Lower Upper

152 100

115 85.2 42.7 128.1

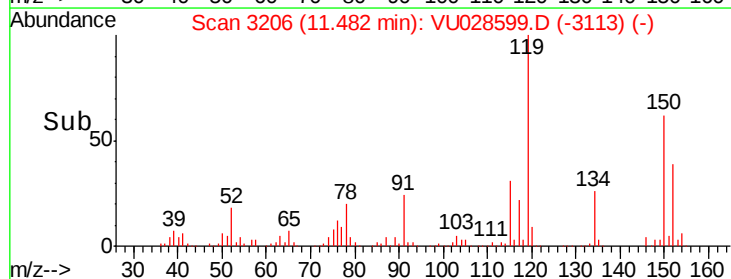
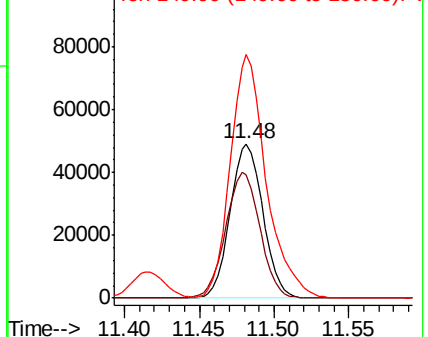
150 173.2 0.0 346.0

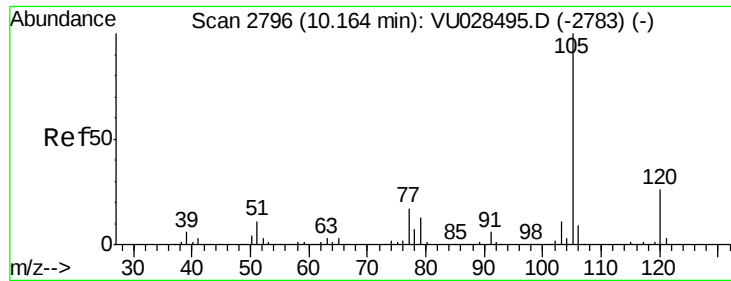


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.789 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 291646

Ion Ratio Lower Upper

105 100

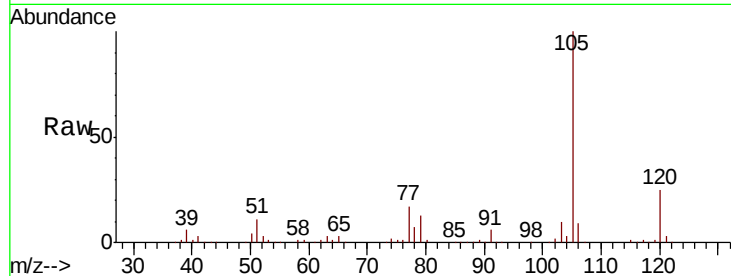
120 25.4 12.9 38.6

Manual Integrations

APPROVED

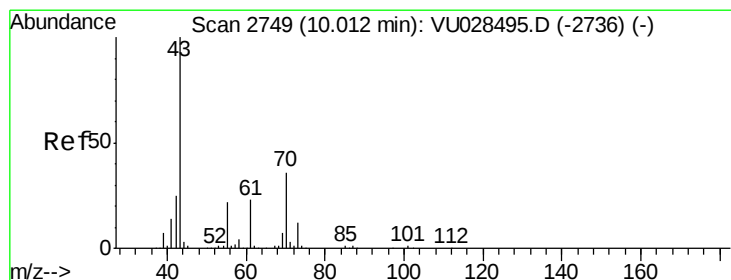
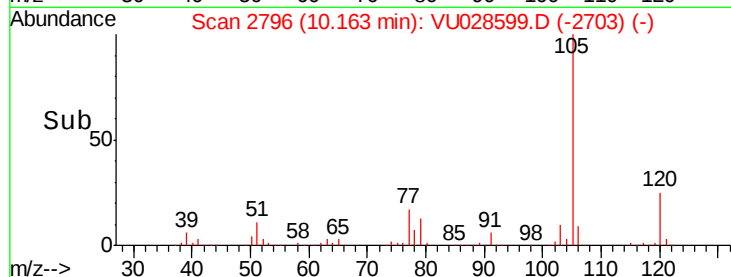
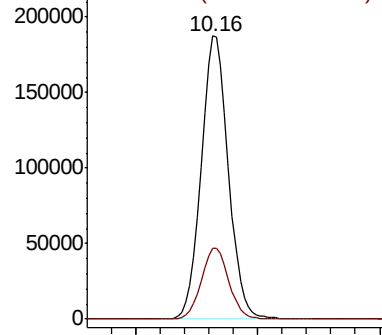
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.423 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Tgt Ion: 43 Resp: 173645

Ion Ratio Lower Upper

43 100

70 36.7 29.3 43.9

55 22.4 18.0 27.0

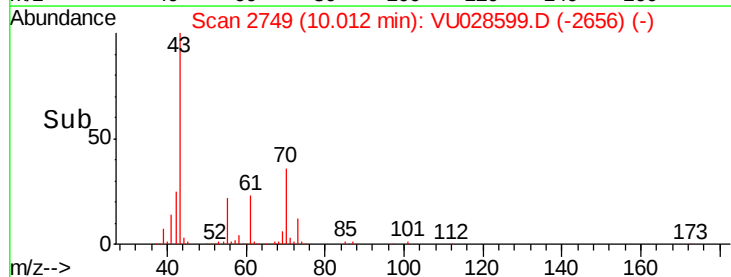
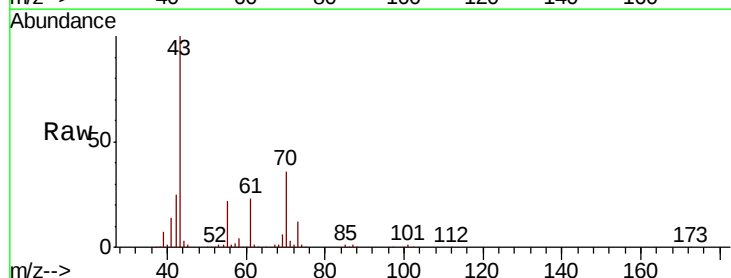
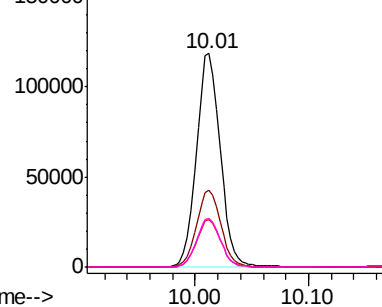
61 22.9 18.3 27.5

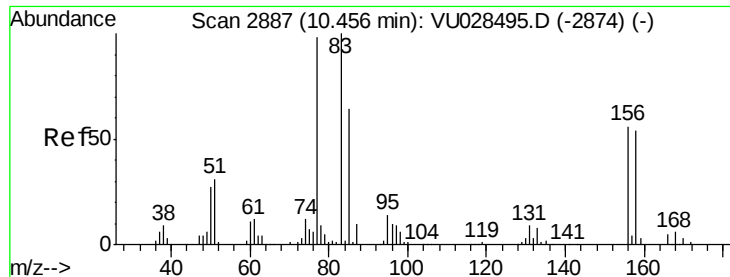
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.104 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Instrument :

MSVOA_U

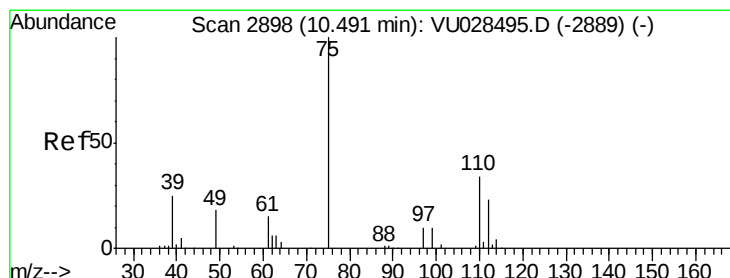
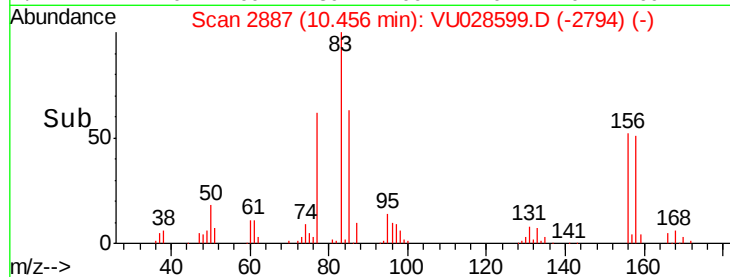
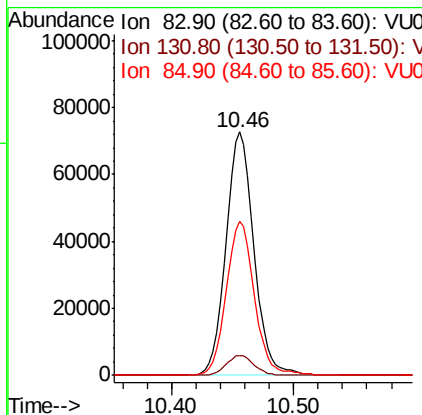
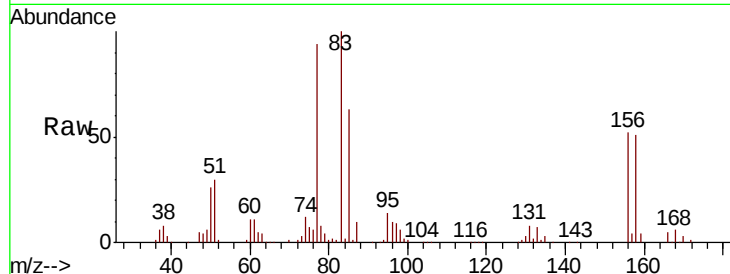
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	117142
Ion Ratio	Lower	Upper	
83	100		
131	8.0	4.2	12.4
85	63.5	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 53.775 ug/l m

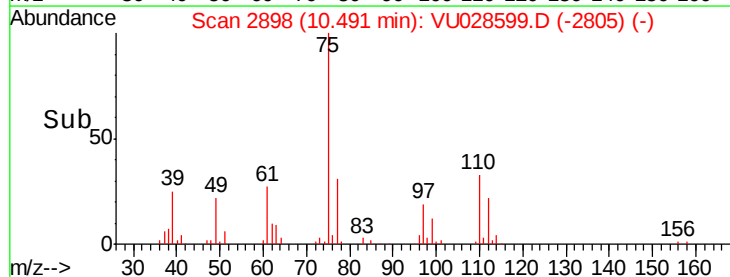
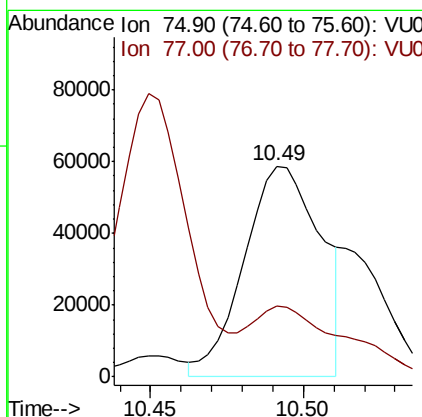
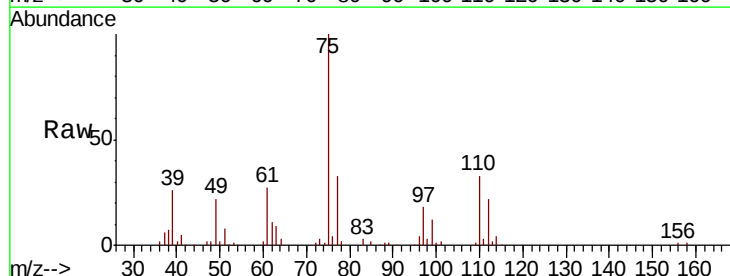
RT: 10.49 min Scan# 2898

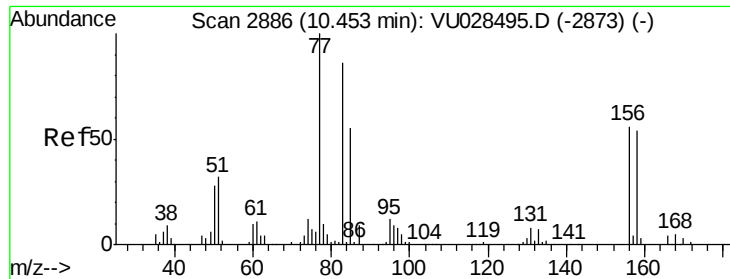
Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Tgt Ion:	75	Resp:	102760
Ion Ratio	Lower	Upper	
75	100		
77	41.2	20.8	62.4





#77

Bromobenzene

Concen: 50.967 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Instrument :

MSVOA_U

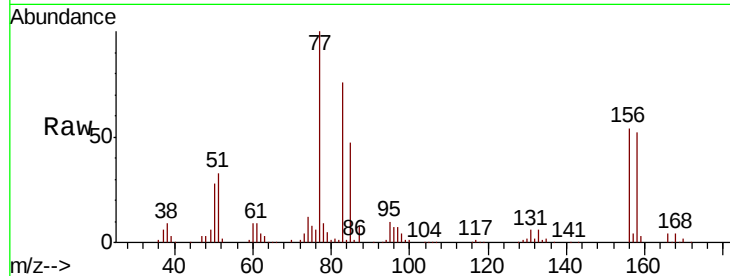
ClientSampleId :

VSTDCCC050EC

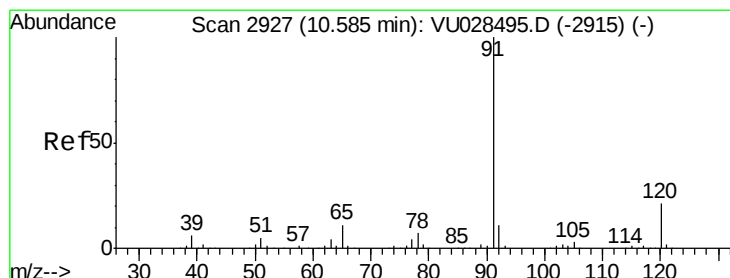
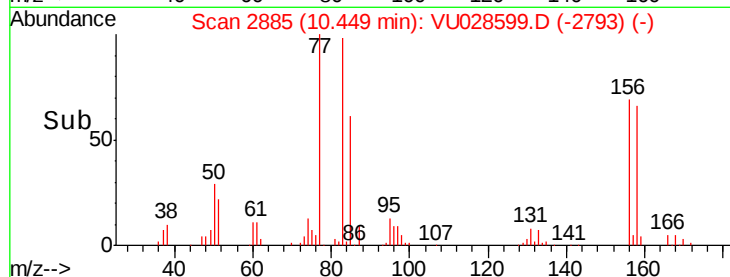
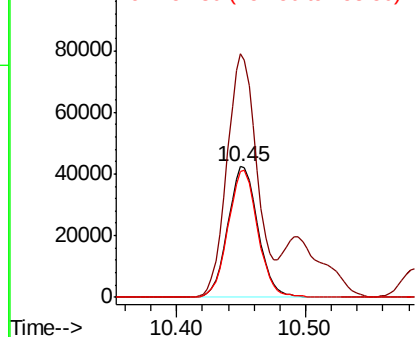
Tot Ion:156 Resp: 68448
 Ion Ratio Lower Upper
 156 100
 77 184.0 92.4 277.2
 158 96.2 48.4 145.3

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Abundance Ion 155.80 (155.50 to 156.50): V
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.859 ug/l

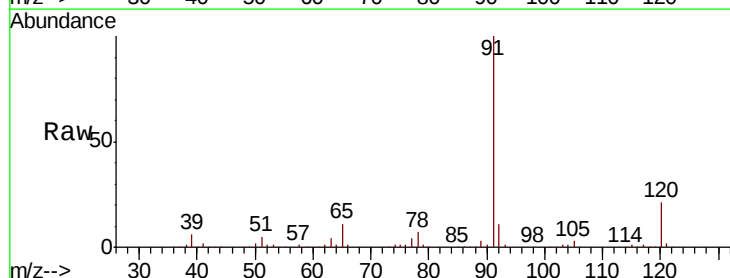
RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

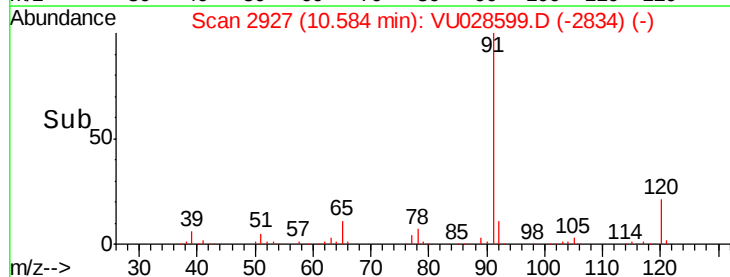
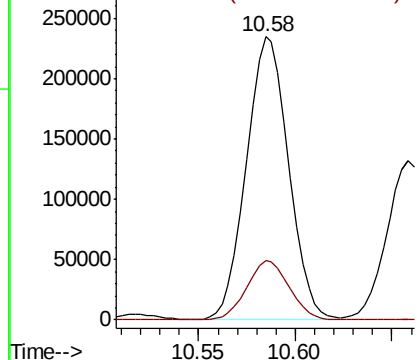
Lab File: VU028599.D

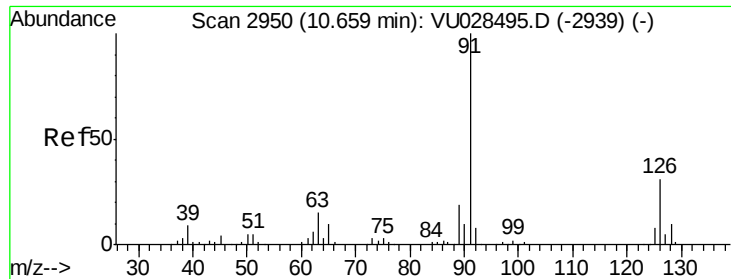
Acq: 11 Dec 2018 11:18

Tgt Ion: 91 Resp: 355768
 Ion Ratio Lower Upper
 91 100
 120 21.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 120.00 (119.70 to 120.70): V





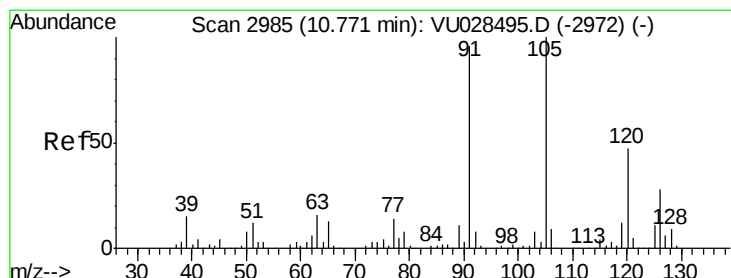
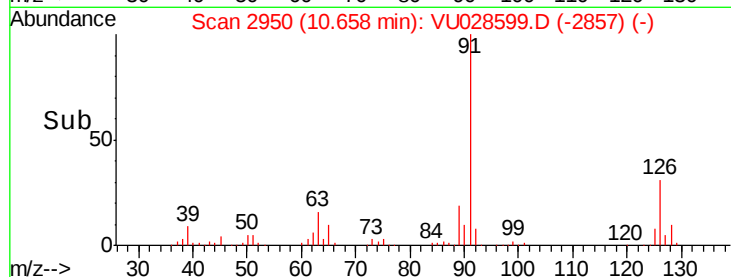
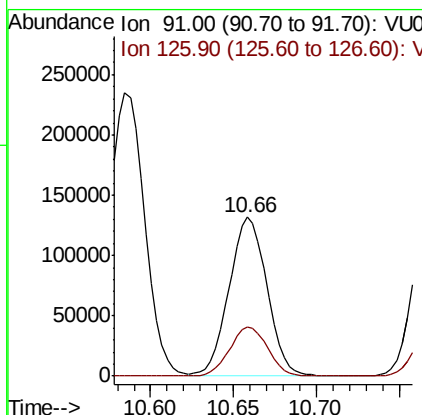
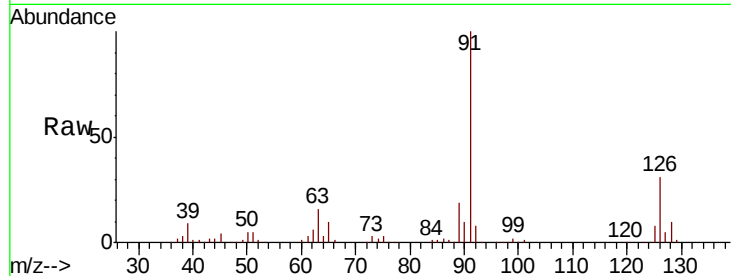
#79
2-Chlorotoluene
Concen: 50.667 ug/l
RT: 10.66 min Scan# 2950
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.6	46.8

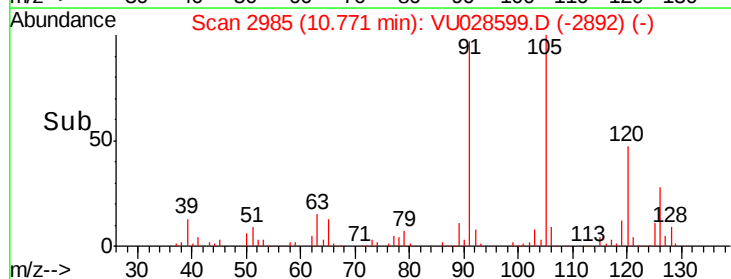
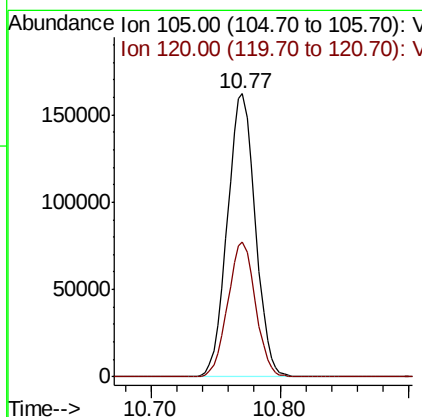
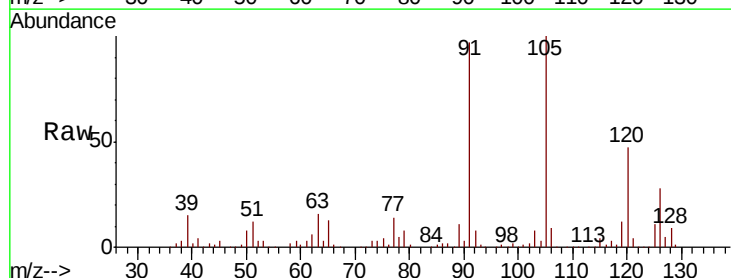
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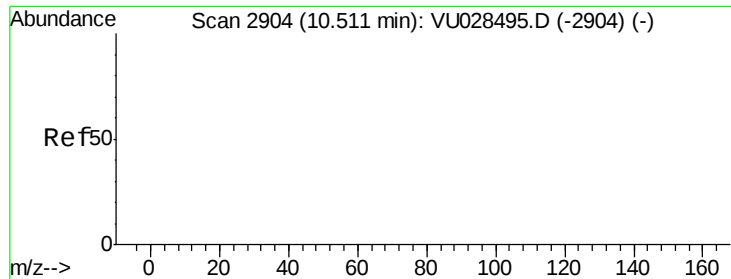
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#80
1,3,5-Trimethylbenzene
Concen: 51.189 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.7	71.1





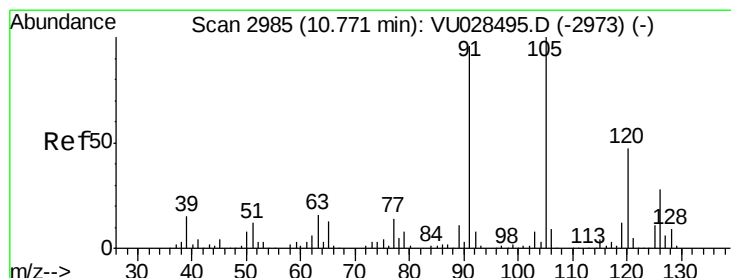
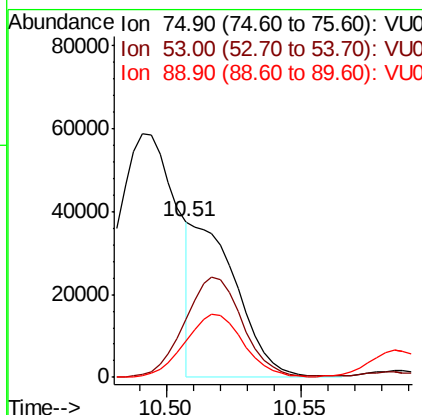
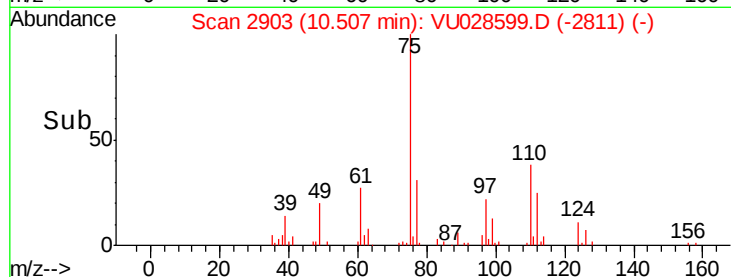
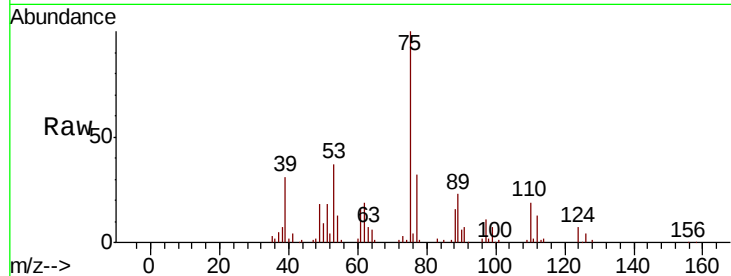
#81
trans-1,4-Dichloro-2-butene
Concen: 56.523 ug/l m
RT: 10.51 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

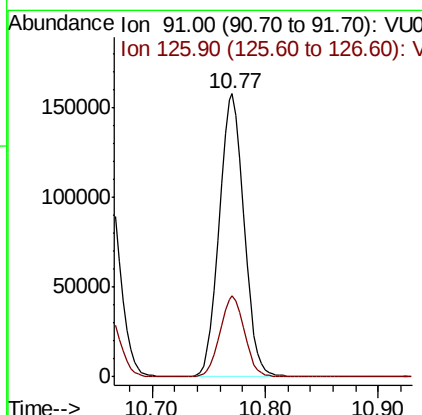
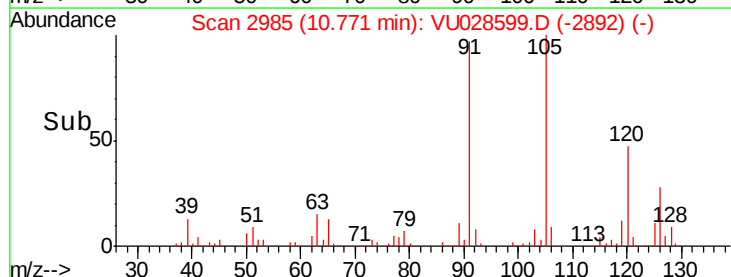
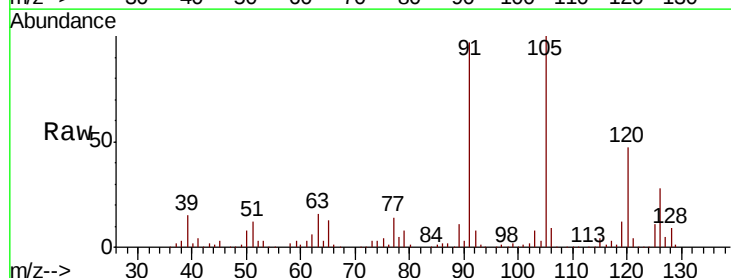
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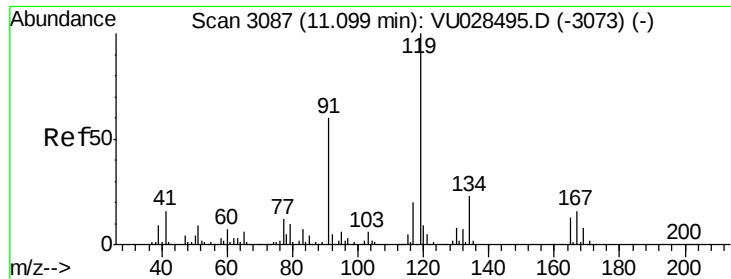
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#82
4-Chlorotoluene
Concen: 49.252 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.3





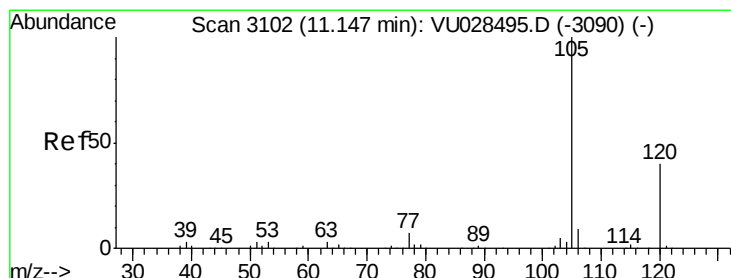
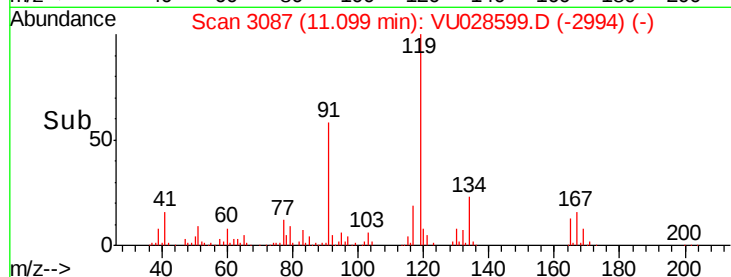
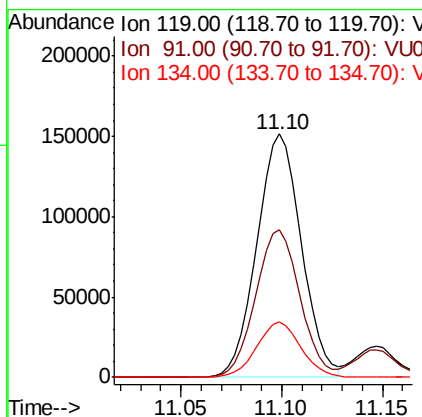
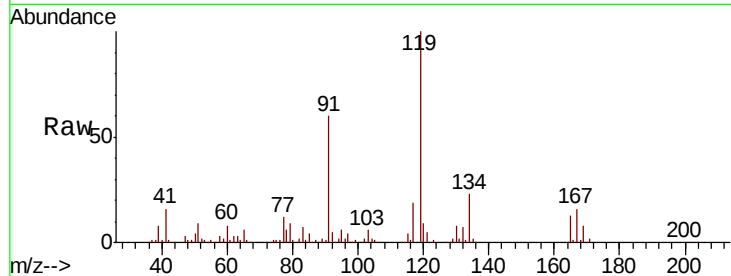
#83
tert-Butylbenzene
Concen: 51.015 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	233731		
91	60.8	30.3	91.0	
134	22.5	11.2	33.5	

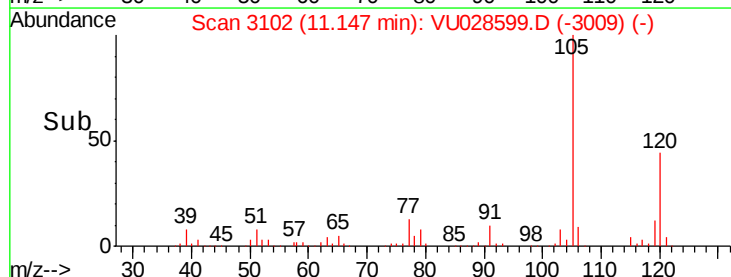
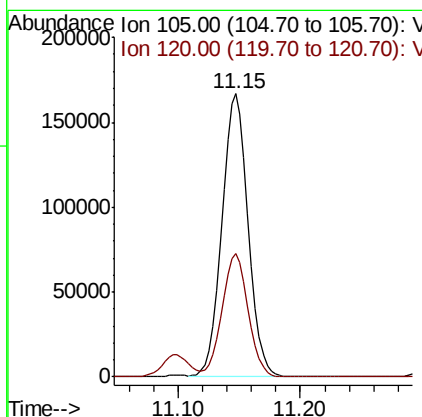
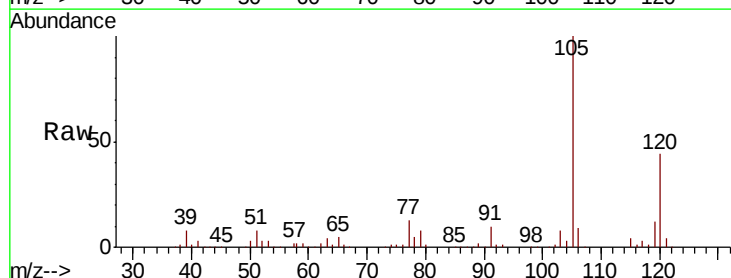
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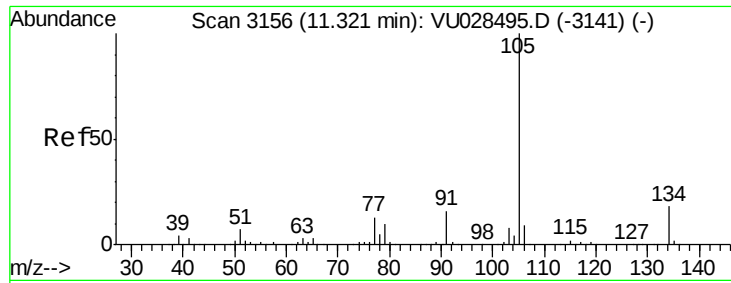
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.331 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	251456		
120	43.5	21.8	65.4	





#85

sec-Butylbenzene

Concen: 50.130 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 295054

Ion Ratio Lower Upper

105 100

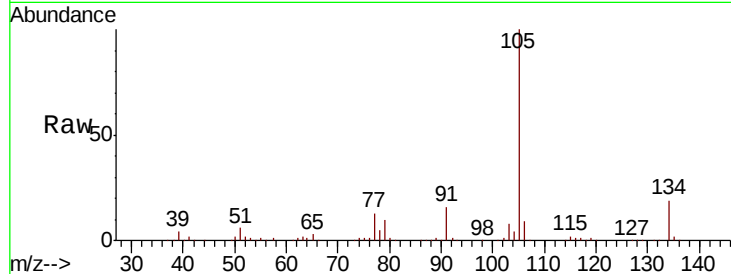
134 18.7 9.2 27.6

Manual Integrations

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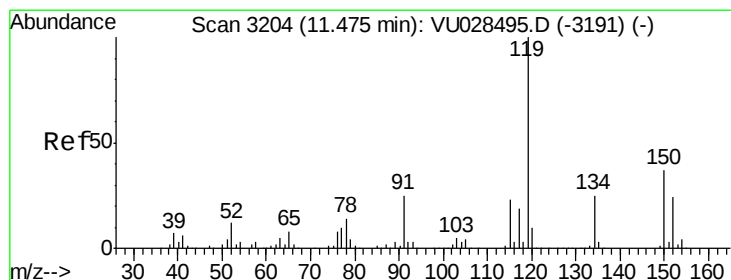
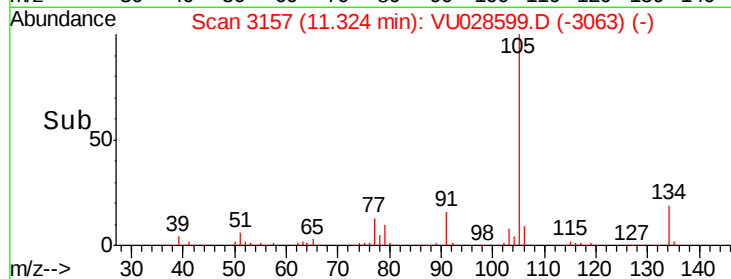
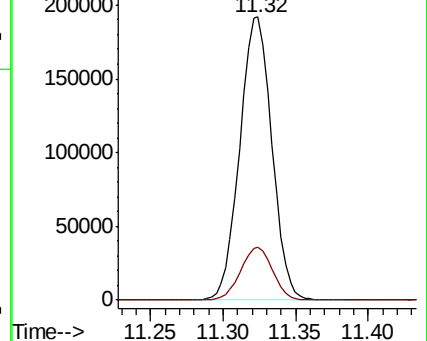
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.134 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028599.D

Acq: 11 Dec 2018 11:18

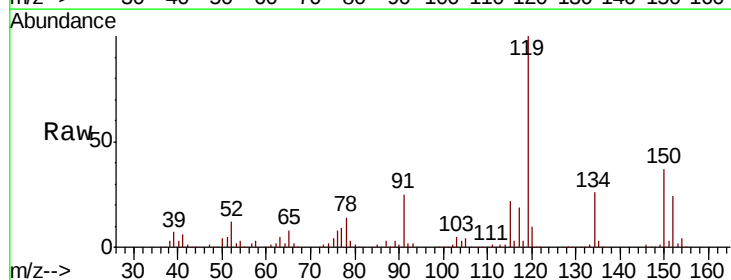
Tgt Ion:119 Resp: 250660

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

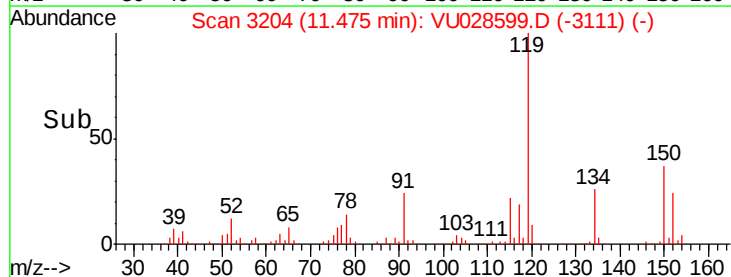
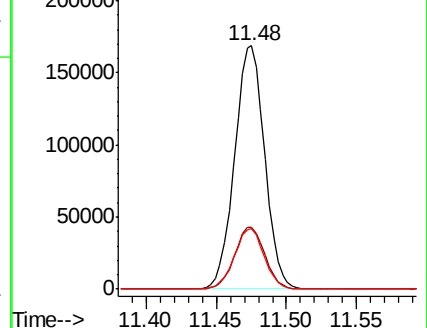
91 24.7 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





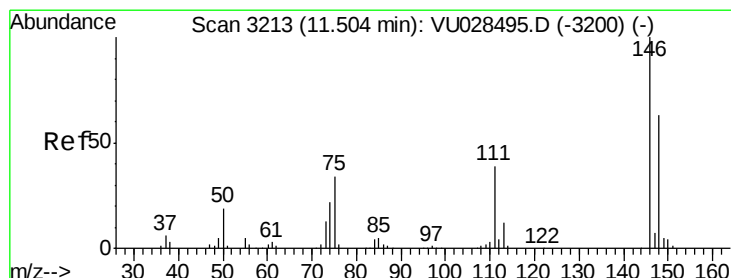
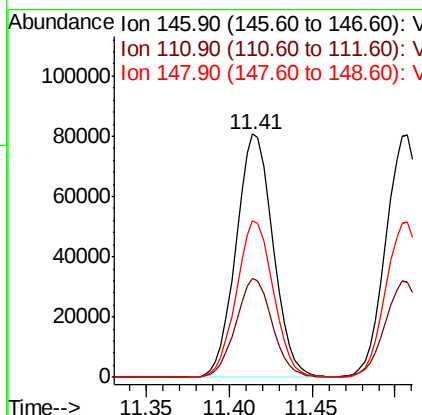
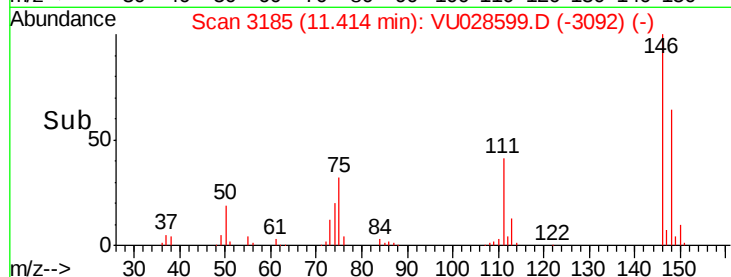
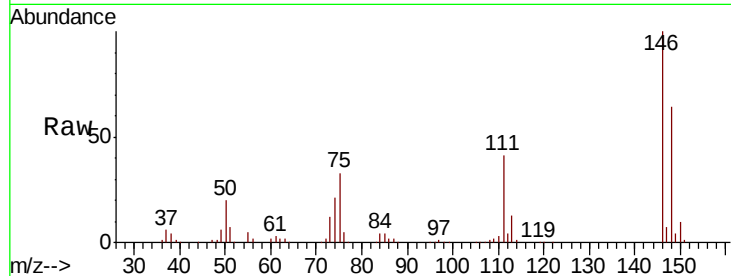
#87
 1,3-Dichlorobenzene
 Concen: 49.491 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028599.D
 Acq: 11 Dec 2018 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.7	62.1
148	64.2	31.9	95.7

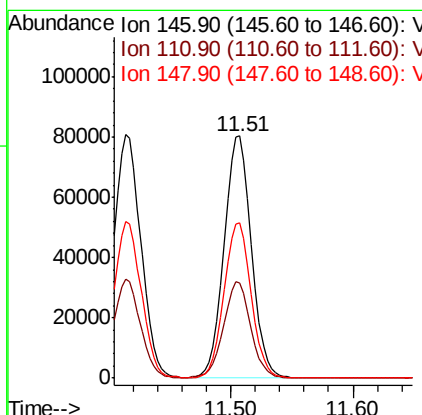
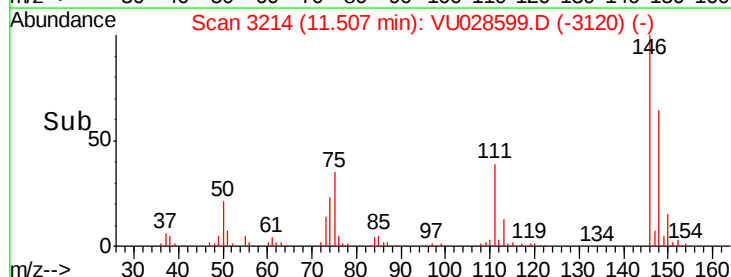
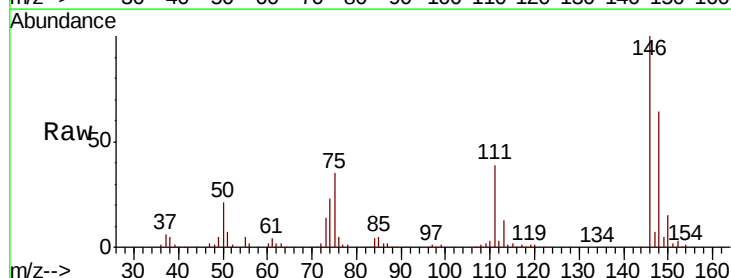
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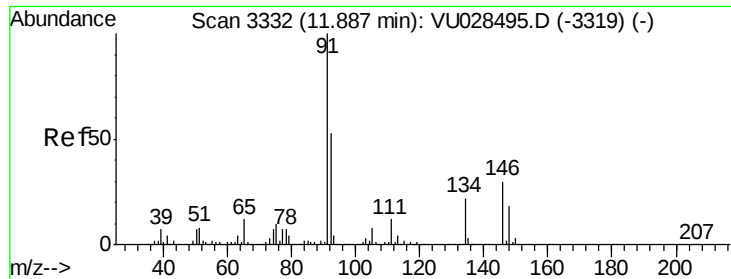
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#88
 1,4-Dichlorobenzene
 Concen: 48.230 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028599.D
 Acq: 11 Dec 2018 11:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.2	60.5
148	63.9	31.6	95.0





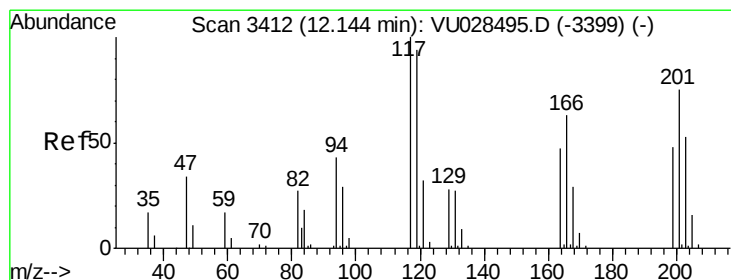
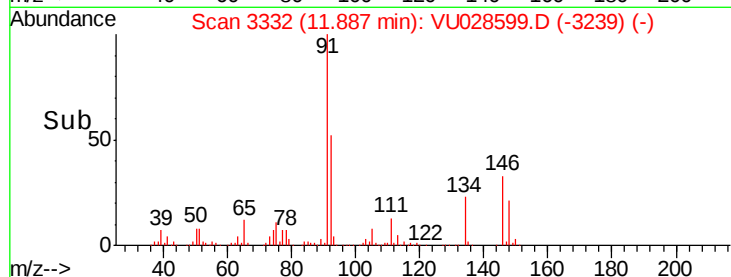
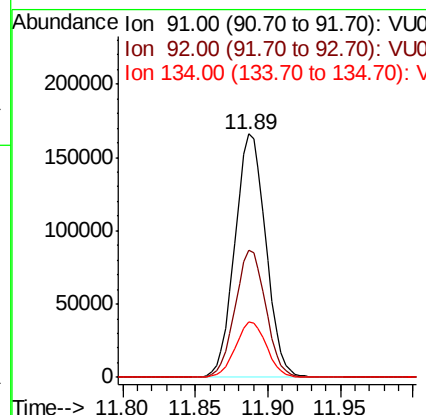
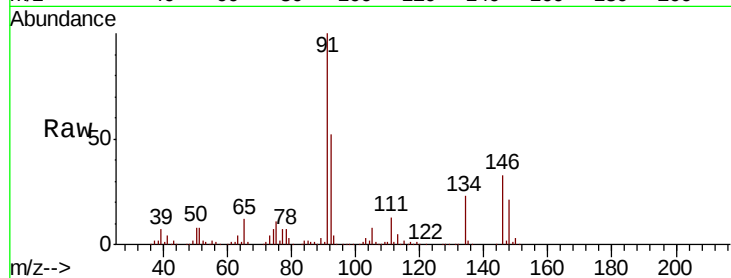
#89
n-Butylbenzene
Concen: 48.623 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.3	78.9
134	22.8	11.3	33.8

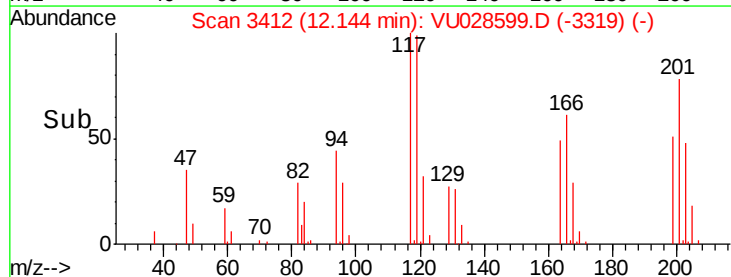
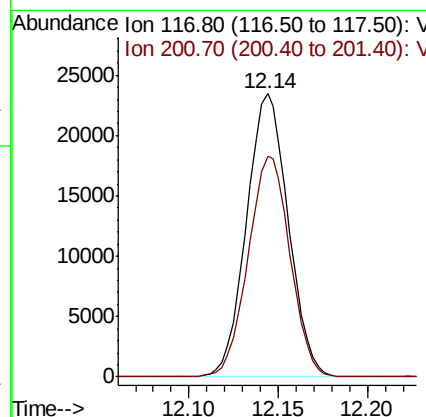
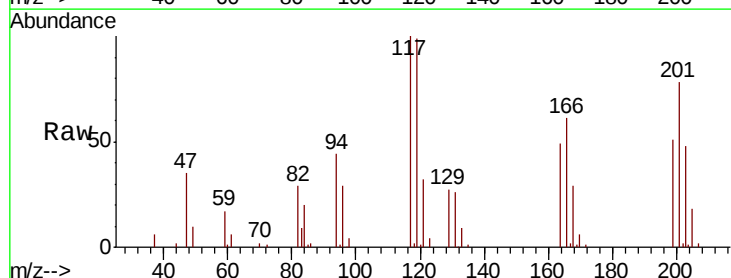
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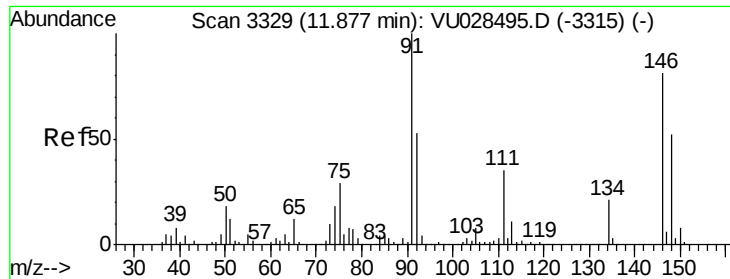
MMDadoda
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#90
Hexachloroethane
Concen: 50.827 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.0	38.1	114.5





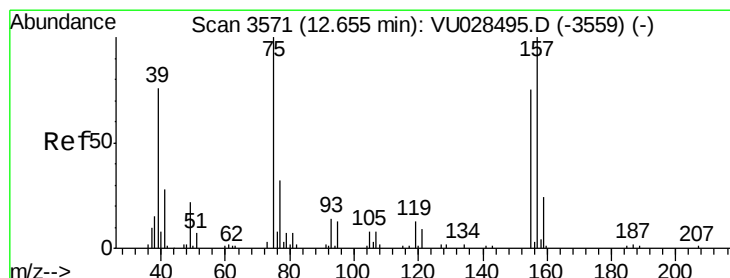
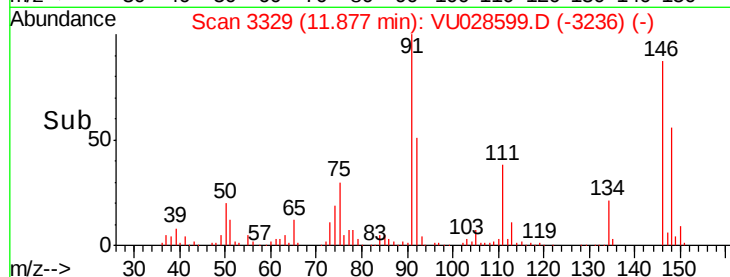
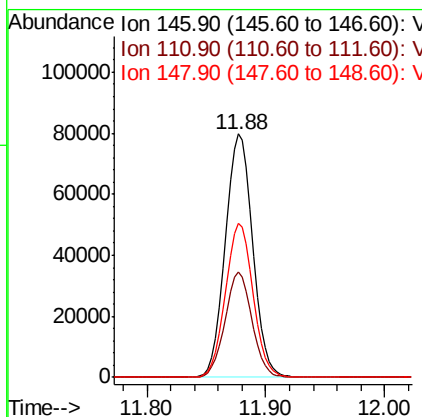
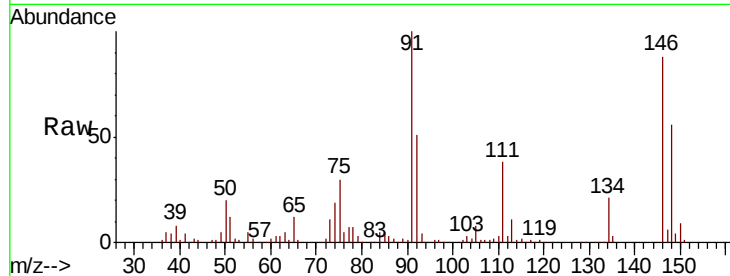
#91
 1,2-Dichlorobenzene
 Concen: 50.238 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028599.D
 Acq: 11 Dec 2018 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.4
148	63.5	31.4	94.2

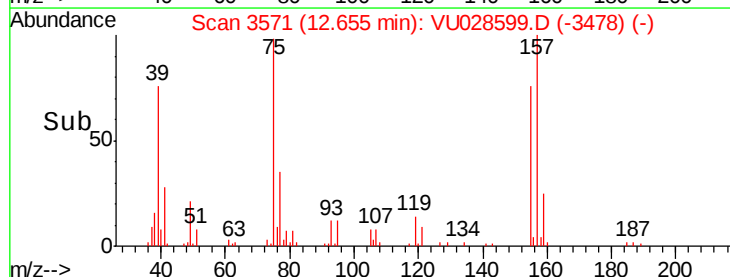
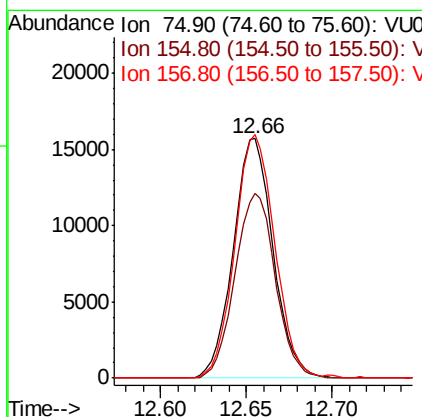
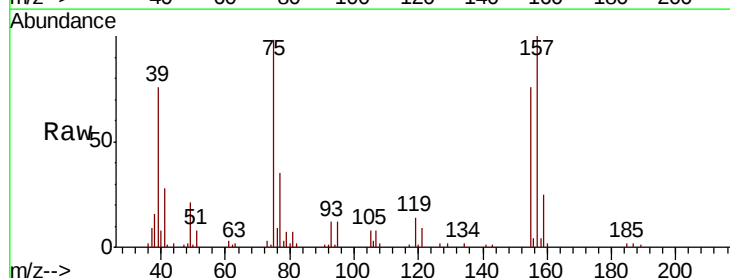
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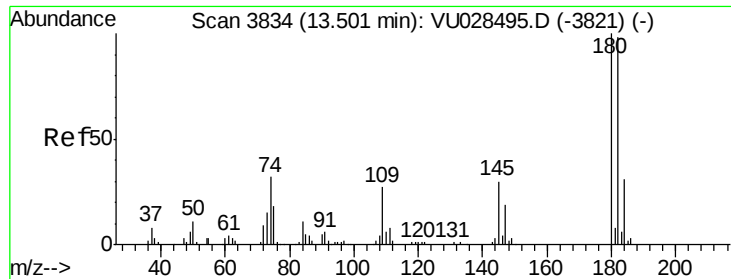
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.014 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028599.D
 Acq: 11 Dec 2018 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.4	38.1	114.5
157	102.3	48.7	146.1





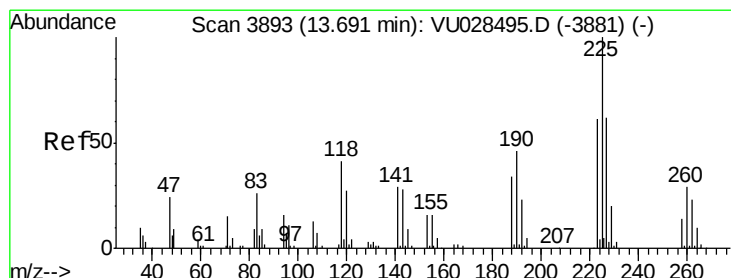
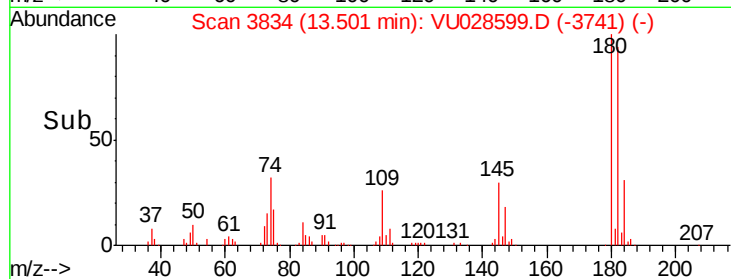
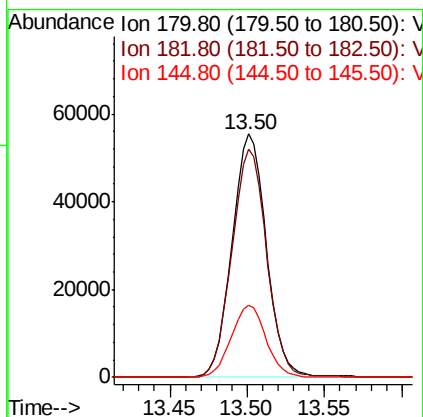
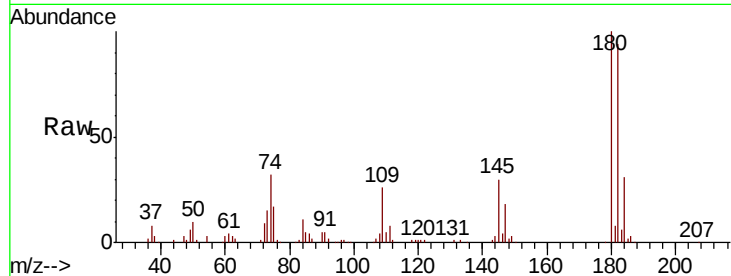
#93
 1,2,4-Trichlorobenzene
 Concen: 48.932 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028599.D
 Acq: 11 Dec 2018 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.8
145	29.8	15.0	45.1

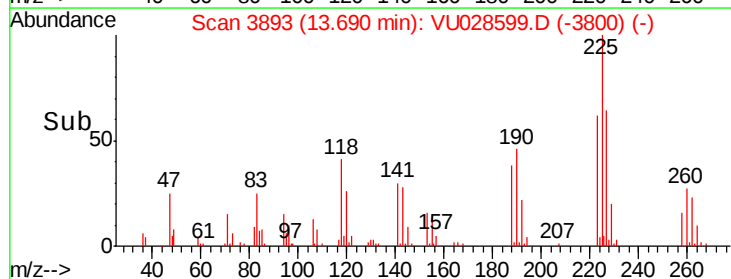
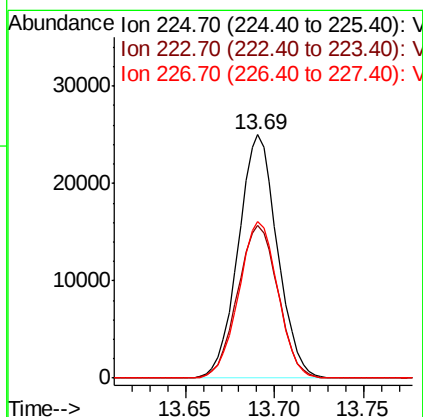
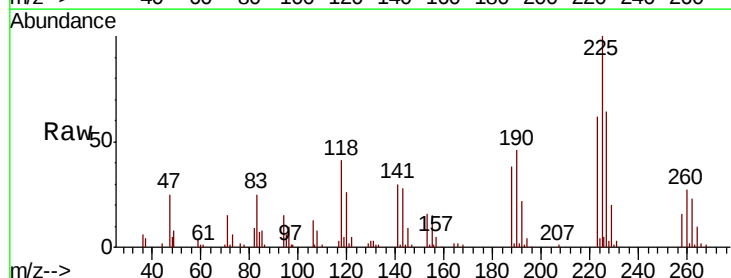
Manual Integrations
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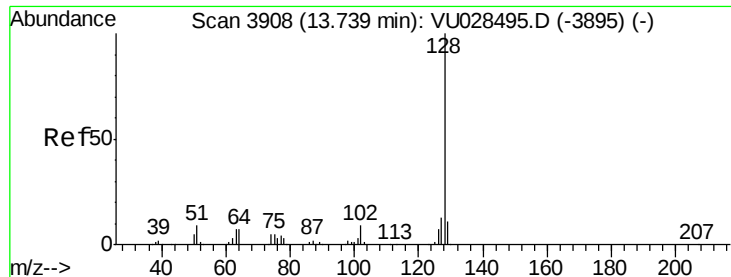
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#94
 Hexachlorobutadiene
 Concen: 46.059 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028599.D
 Acq: 11 Dec 2018 11:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	30.4	91.2
227	64.3	30.7	92.1





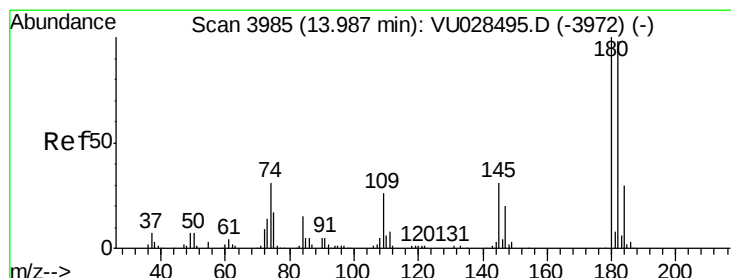
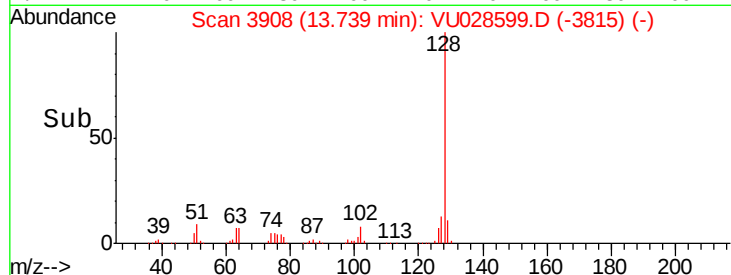
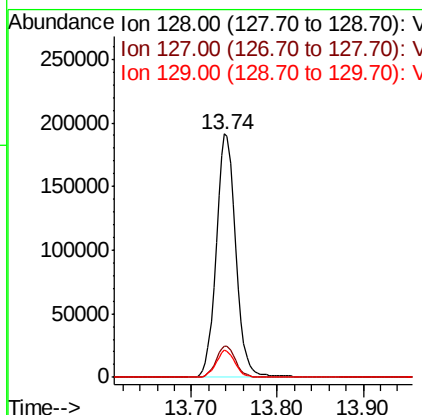
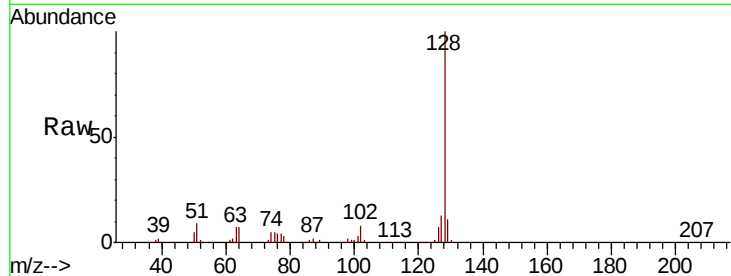
#95
Naphthalene
Concen: 49.840 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
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#96
1,2,3-Trichlorobenzene
Concen: 50.685 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028599.D
Acq: 11 Dec 2018 11:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.2	144.6
145	30.9	15.8	47.3

