

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U121718\
 Data File : VU028734.D
 Acq On : 17 Dec 2018 20:44
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/18/2018 11:31:17 AM

Quant Time: Dec 18 07:27:26 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	77030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	136677	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	127083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	62922	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	62868	53.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.96%	
35) Dibromofluoromethane	4.88	113	46730	54.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.66%	
50) Toluene-d8	7.56	98	181892	53.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.92%	
62) 4-Bromofluorobenzene	10.31	95	66491	52.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	47491	45.997	ug/l	98
3) Chloromethane	1.33	50	84892	44.722	ug/l	100
4) Vinyl Chloride	1.40	62	64664	47.205	ug/l	99
5) Bromomethane	1.60	94	27714	50.224	ug/l	95
6) Chloroethane	1.68	64	37431	48.266	ug/l	100
7) Trichlorofluoromethane	1.88	101	70971	49.243	ug/l	98
8) Diethyl Ether	2.10	74	31623	46.898	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	42166	48.918	ug/l	99
10) Methyl Iodide	2.41	142	44614	65.964	ug/l	99
11) Tert butyl alcohol	2.83	59	64356	245.725	ug/l	99
12) 1,1-Dichloroethene	2.28	96	40496	47.218	ug/l	98
13) Acrolein	2.19	56	56278	269.548	ug/l	99
14) Allyl chloride	2.59	41	97202	47.909	ug/l	99
15) Acrylonitrile	2.93	53	201782	277.506	ug/l	98
16) Acetone	2.32	43	159226	207.572	ug/l	99
17) Carbon Disulfide	2.47	76	137108	44.376	ug/l	99
18) Methyl Acetate	2.61	43	121331	61.017	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	166249	51.134	ug/l	99
20) Methylene Chloride	2.70	84	53209	47.054	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	46971	48.643	ug/l	98
22) Diisopropyl ether	3.57	45	211123	53.510	ug/l	98
23) Vinyl Acetate	3.52	43	854342	262.517	ug/l	99
24) 1,1-Dichloroethane	3.44	63	104917	50.800	ug/l	98
25) 2-Butanone	4.26	43	271089	258.599	ug/l	99
26) 2,2-Dichloropropane	4.22	77	74280	45.391	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	54783	50.124	ug/l	98
28) Bromochloromethane	4.55	49	52761	56.195	ug/l	97
29) Tetrahydrofuran	4.64	42	184434	273.942	ug/l	98
30) Chloroform	4.67	83	93317	51.841	ug/l	96
31) Cyclohexane	4.99	56	99035	49.117	ug/l	94
32) 1,1,1-Trichloroethane	4.91	97	76208	50.975	ug/l	98
36) 1,1-Dichloropropene	5.13	75	70283	46.992	ug/l	99
37) Ethyl Acetate	4.38	43	103452	53.507	ug/l	99
38) Carbon Tetrachloride	5.13	117	58986	48.931	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	82879	45.422	ug/l	99
40) Benzene	5.39	78	218990	49.714	ug/l	98
41) Methacrylonitrile	4.54	41	58482	55.233	ug/l	98
42) 1,2-Dichloroethane	5.40	62	77348	50.164	ug/l	100
43) Isopropyl Acetate	5.55	43	162347	53.088	ug/l	100
44) Trichloroethene	6.18	130	47120	48.109	ug/l	96
45) 1,2-Dichloropropane	6.43	63	64767	52.286	ug/l	97
46) Dibromomethane	6.56	93	37446	50.949	ug/l	99
47) Bromodichloromethane	6.76	83	72953	51.009	ug/l	100
48) Methyl methacrylate	6.62	41	82788	54.437	ug/l	99
49) 1,4-Dioxane	6.61	88	22512	937.499	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	529163	274.353	ug/l	99
52) Toluene	7.64	92	129119	49.806	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	85181	50.008	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	92030	49.799	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	53481	52.189	ug/l	99
56) Ethyl methacrylate	8.02	69	93602	53.339	ug/l	100
57) 1,3-Dichloropropane	8.24	76	97822	51.424	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	245203	272.798	ug/l	100
59) 2-Hexanone	8.36	43	407209	266.366	ug/l	99
60) Dibromochloromethane	8.48	129	52192	52.020	ug/l	99
61) 1,2-Dibromoethane	8.58	107	56771	52.828	ug/l	100
64) Tetrachloroethene	8.22	164	40785	48.114	ug/l	99
65) Chlorobenzene	9.12	112	133096	49.149	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	46090	53.298	ug/l	99
67) Ethyl Benzene	9.25	91	246389	49.494	ug/l	99
68) m/p-Xylenes	9.37	106	180541	99.667	ug/l	98
69) o-Xylene	9.78	106	88838	50.466	ug/l	99
70) Styrene	9.79	104	147114	50.498	ug/l	99
71) Bromoform	9.96	173	40760	55.407	ug/l #	99
73) Isopropylbenzene	10.16	105	237340	49.157	ug/l	100
74) N-amyl acetate	10.01	43	146974	52.772	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	98916	53.332	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	81417m	50.673	ug/l	
77) Bromobenzene	10.45	156	55937	49.537	ug/l	99
78) n-propylbenzene	10.58	91	292236	48.710	ug/l	99
79) 2-Chlorotoluene	10.66	91	170465	49.326	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	198952	49.780	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	35160m	53.763	ug/l	
82) 4-Chlorotoluene	10.77	91	196421	47.963	ug/l	99
83) tert-Butylbenzene	11.10	119	192417	49.949	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	205024	49.776	ug/l	99
85) sec-Butylbenzene	11.32	105	241034	48.705	ug/l	98
86) p-Isopropyltoluene	11.48	119	204402	48.622	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	102023	47.848	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	103161	46.763	ug/l	99
89) n-Butylbenzene	11.89	91	198391	46.631	ug/l	99
90) Hexachloroethane	12.14	117	33595	52.872	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	103499	48.527	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	22098	55.032	ug/l	99

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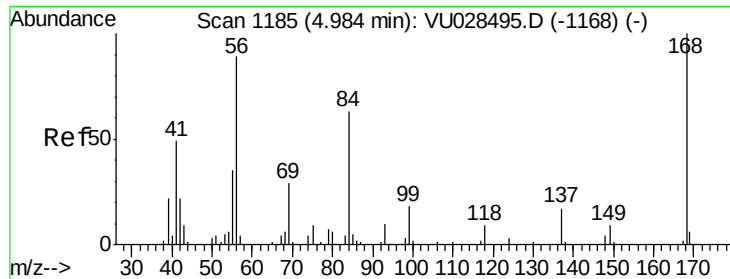
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	68006	46.462	ug/l	99
94) Hexachlorobutadiene	13.69	225	31361	44.889	ug/l	97
95) Naphthalene	13.74	128	244114	47.698	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	69568	47.700	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 77030

Ion Ratio Lower Upper

168 100

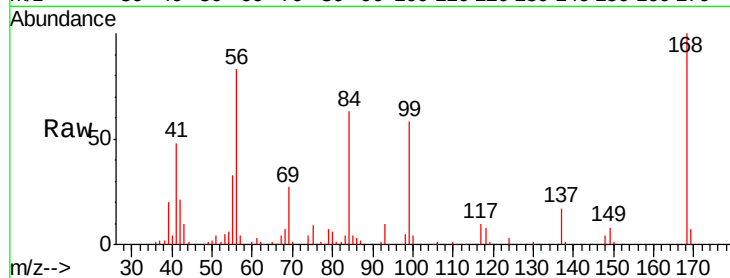
99 57.5 46.6 69.8

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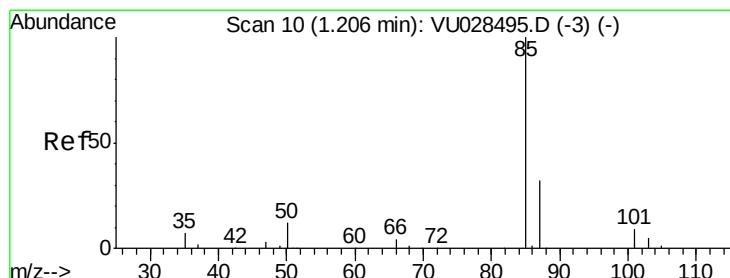
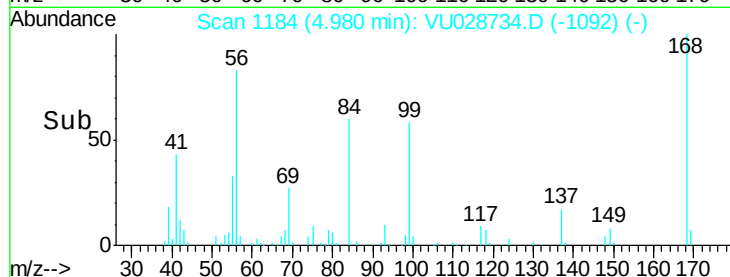
Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

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

4.98

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 45.997 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028734.D

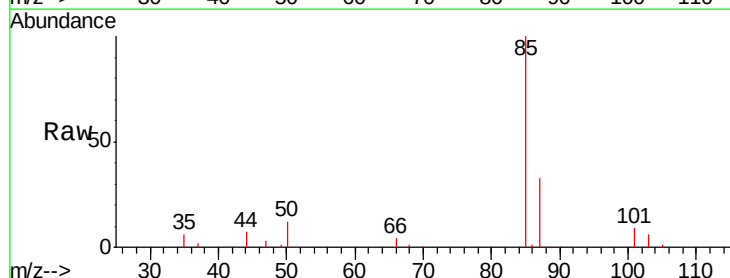
Acq: 17 Dec 2018 20:44

Tgt Ion: 85 Resp: 47491

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.6



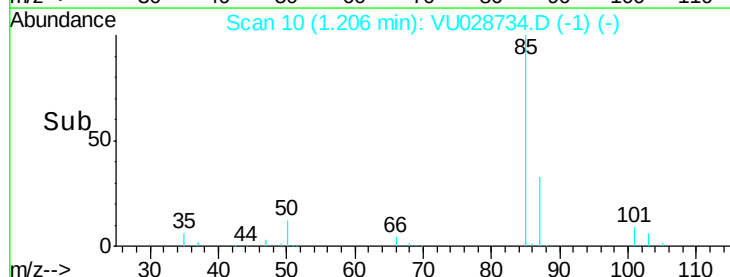
Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

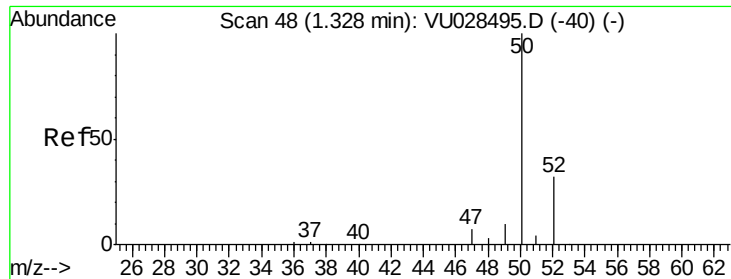
Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 44.722 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 84892

Ion Ratio Lower Upper

50 100

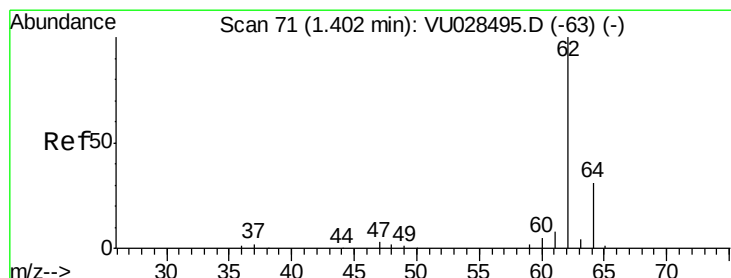
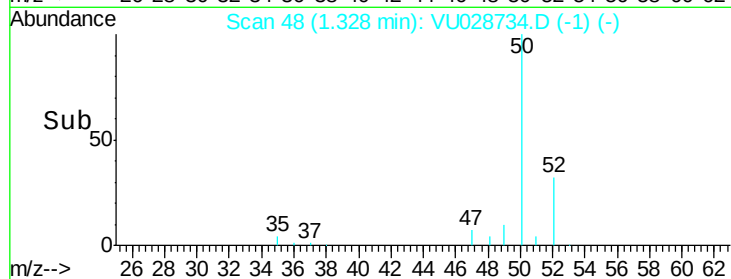
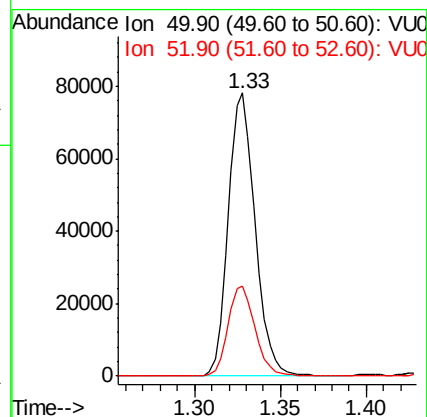
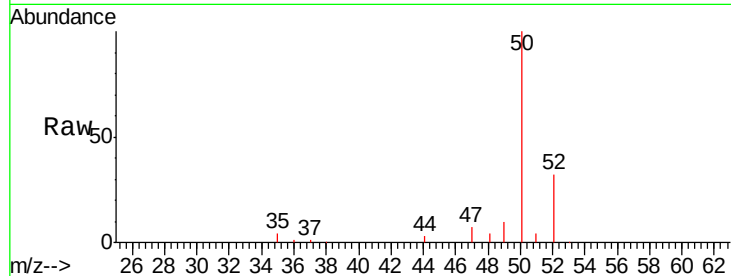
52 31.6 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.205 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028734.D

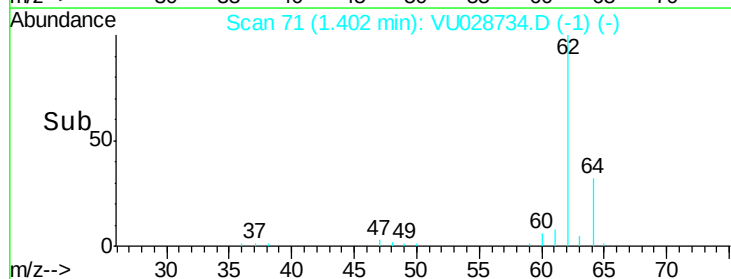
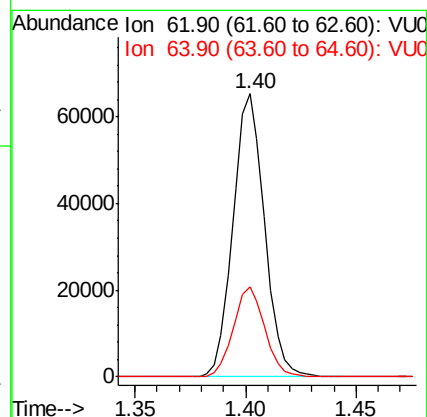
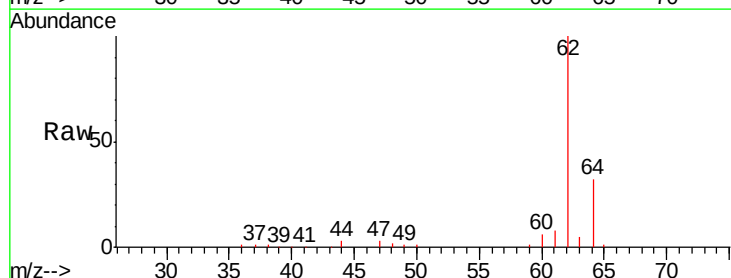
Acq: 17 Dec 2018 20:44

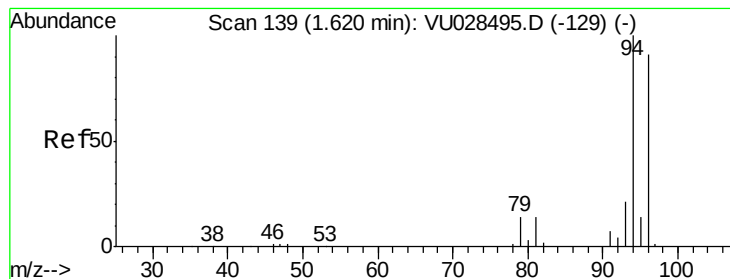
Tgt Ion: 62 Resp: 64664

Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7





#5

Bromomethane

Concen: 50.224 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 27714

Ion Ratio Lower Upper

94 100

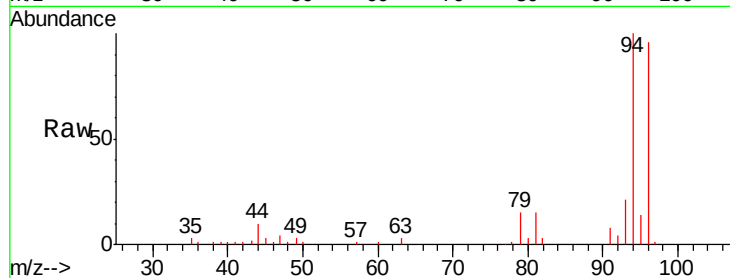
96 96.4 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.60

30000

25000

20000

15000

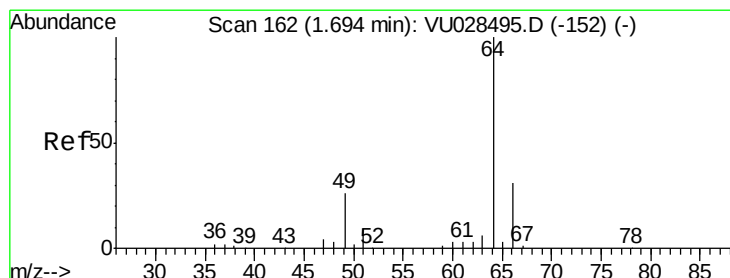
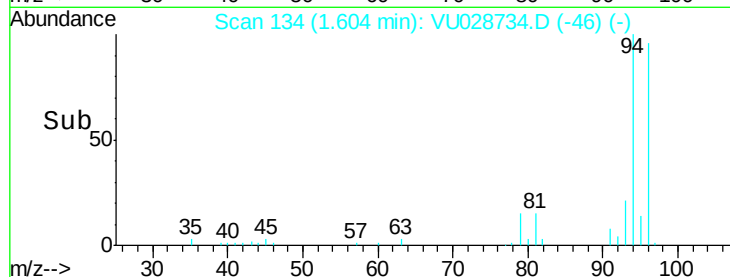
10000

5000

0

Time-->

1.55 1.60 1.65



#6

Chloroethane

Concen: 48.266 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028734.D

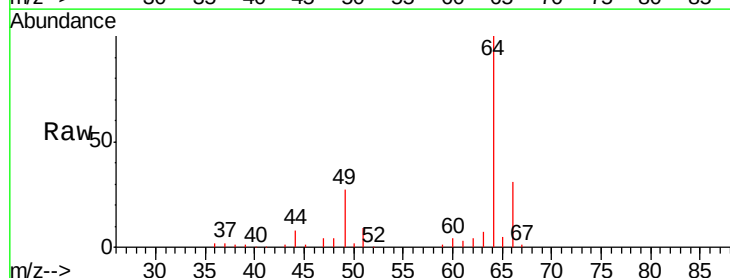
Acq: 17 Dec 2018 20:44

Tgt Ion: 64 Resp: 37431

Ion Ratio Lower Upper

64 100

66 31.3 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.68

30000

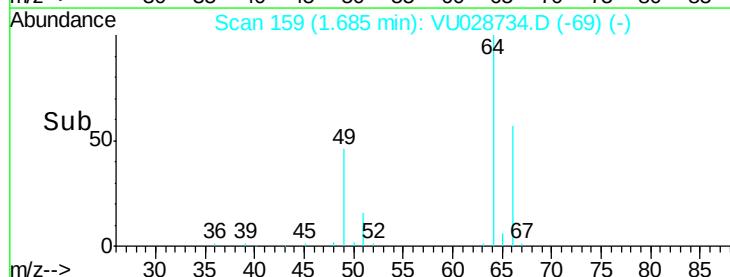
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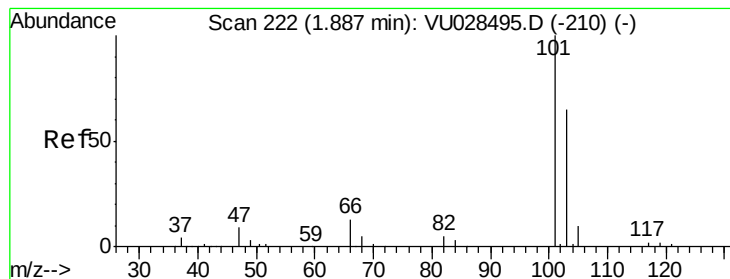
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Time-->

1.65 1.70 1.75





#7

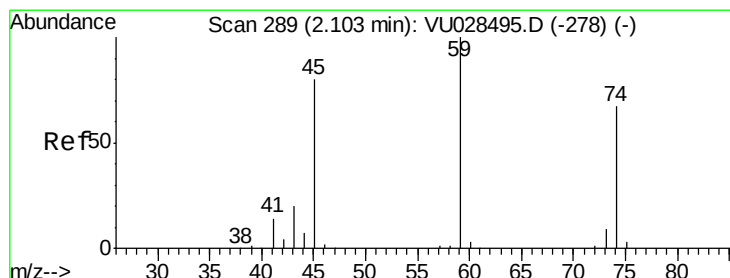
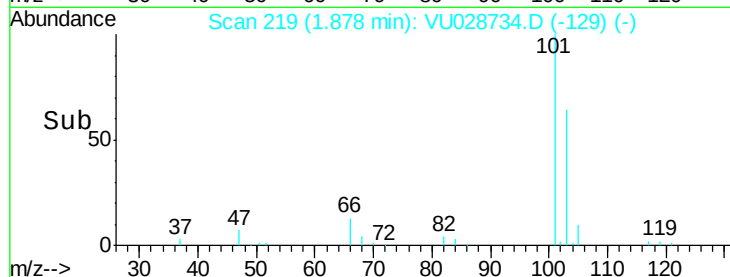
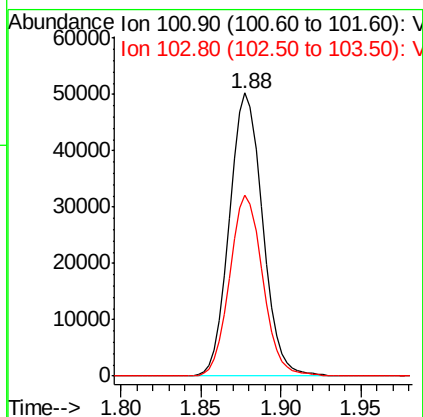
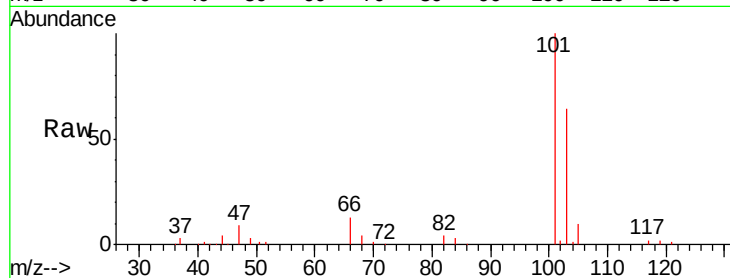
Trichlorofluoromethane
 Concen: 49.243 ug/l
 RT: 1.88 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Instrument :
 MSVOA_U
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 VSTDCCC050EC

Tgt Ion: 101 Resp: 70971
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.3 78.5

Manual Integrations
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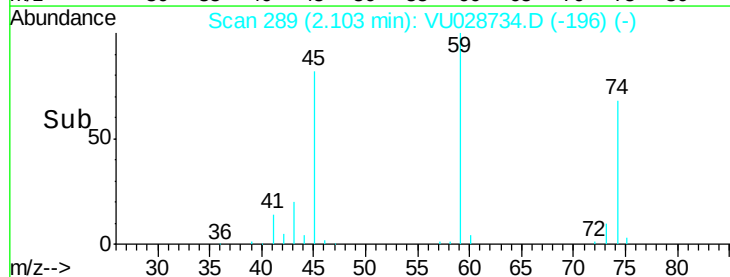
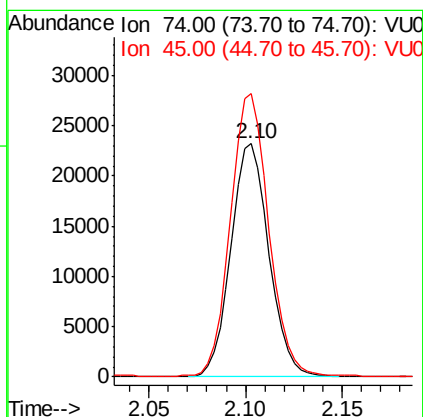
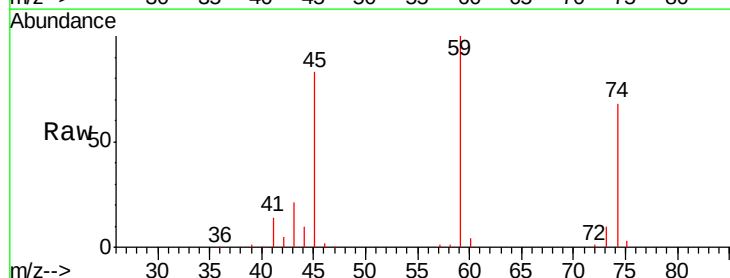
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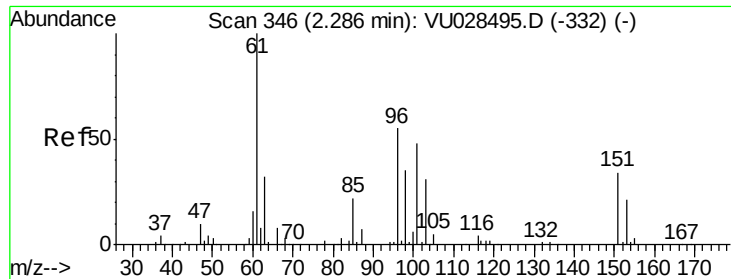


#8

Diethyl Ether
 Concen: 46.898 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion: 74 Resp: 31623
 Ion Ratio Lower Upper
 74 100
 45 123.6 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.918 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

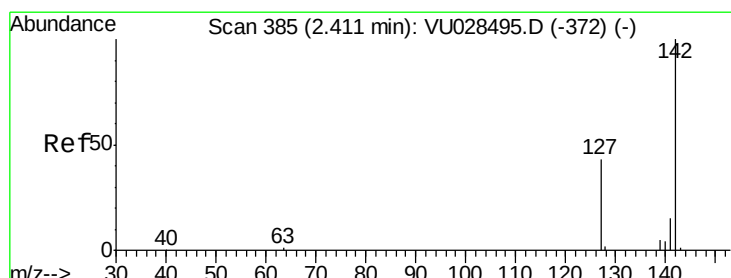
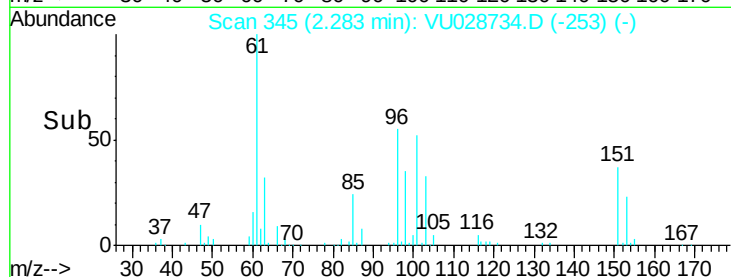
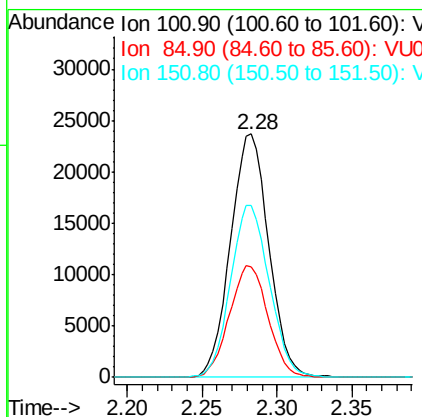
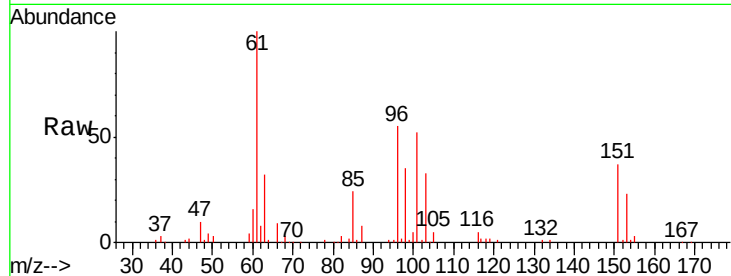
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	42166
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.4	54.6
151	71.8	58.2	87.2

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#10

Methyl Iodide

Concen: 65.964 ug/l

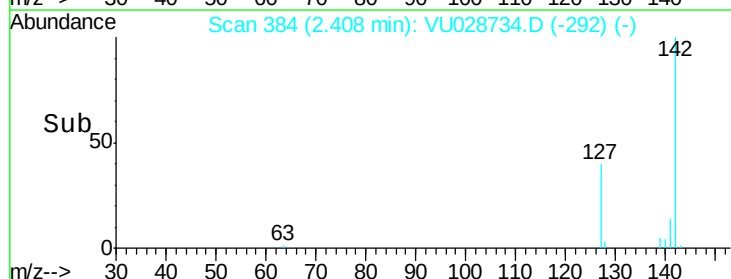
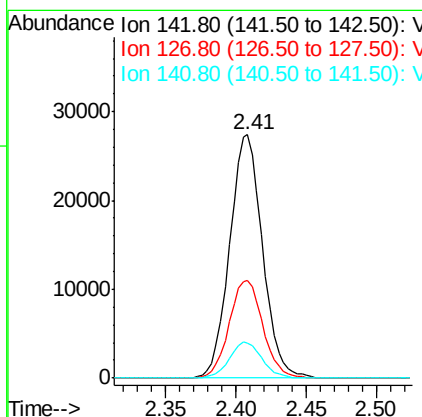
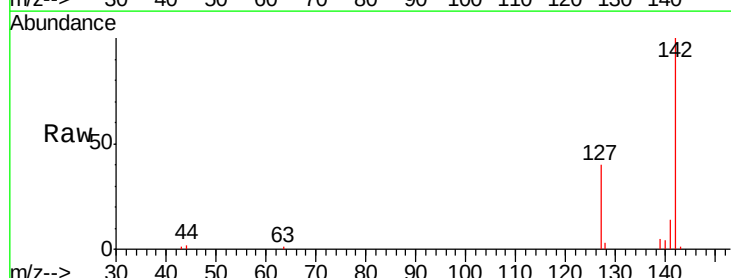
RT: 2.41 min Scan# 384

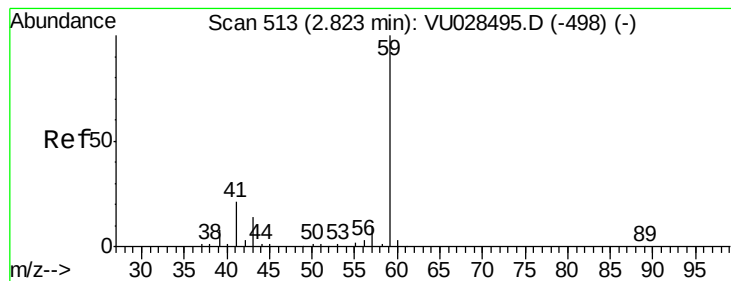
Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Tgt Ion:	142	Resp:	44614
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.5	50.3
141	14.5	11.2	16.8





#11

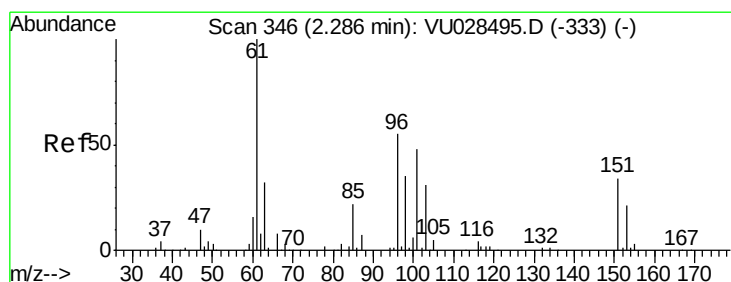
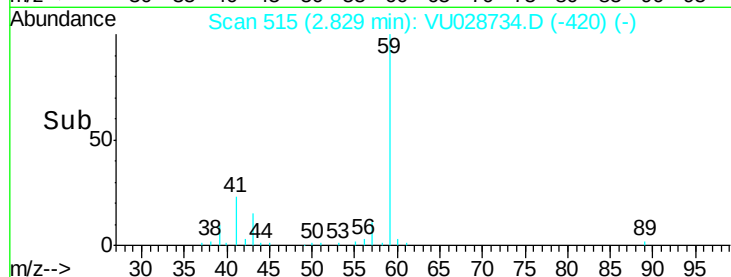
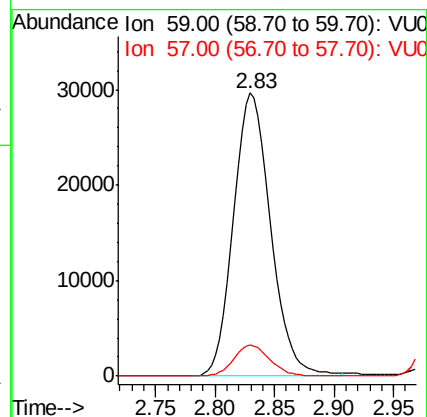
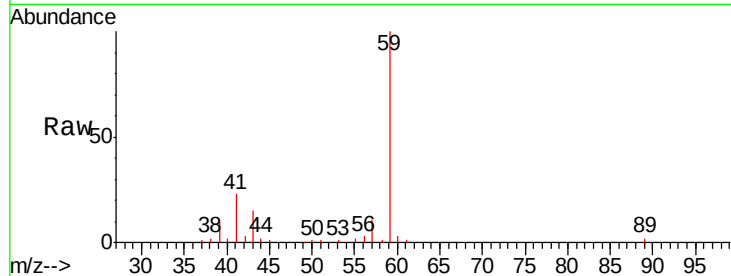
Tert butyl alcohol
Concen: 245.725 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.0	12.0

Manual Integrations
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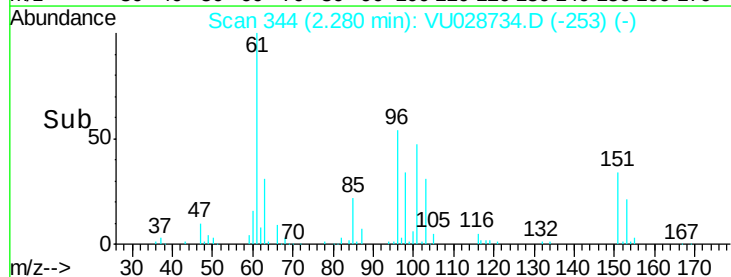
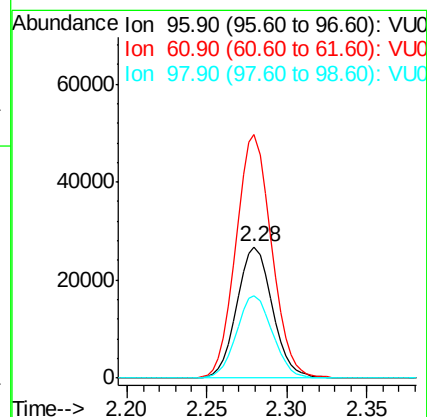
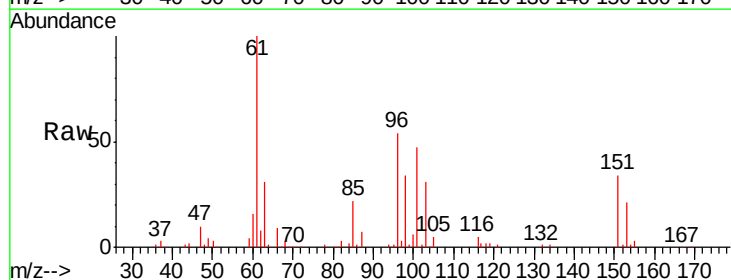
MMDadoda
12/18/2018 11:31:17 AM

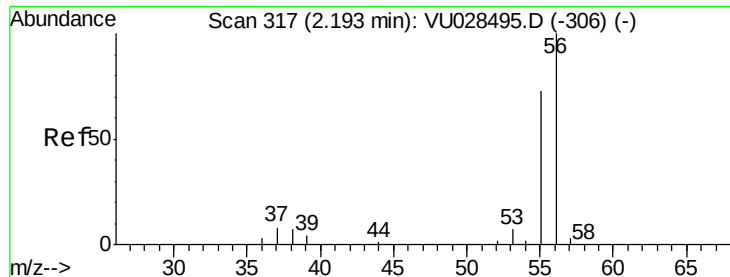


#12

1,1-Dichloroethene
Concen: 47.218 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.01 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.6	146.4	219.6
98	63.0	51.8	77.8





#13

Acrolein

Concen: 269.548 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 56278

Ion Ratio Lower Upper

56 100

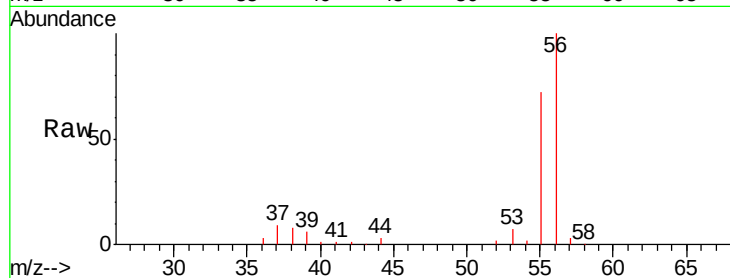
55 73.1 57.5 86.3

Manual Integrations

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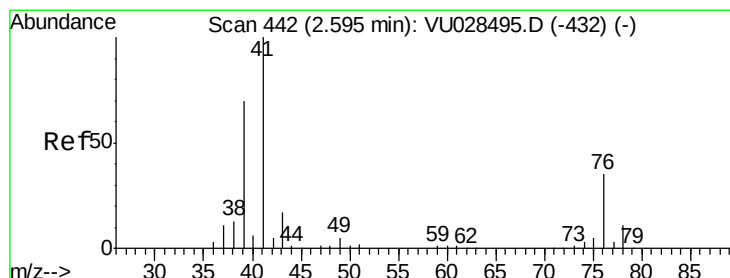
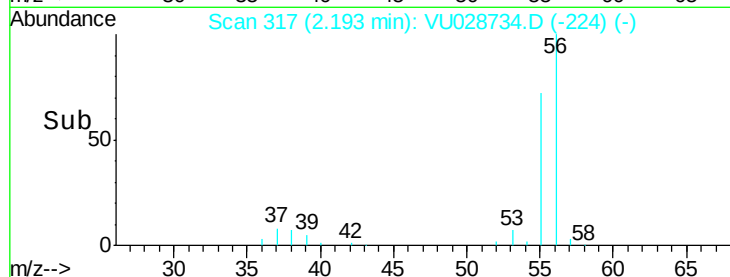
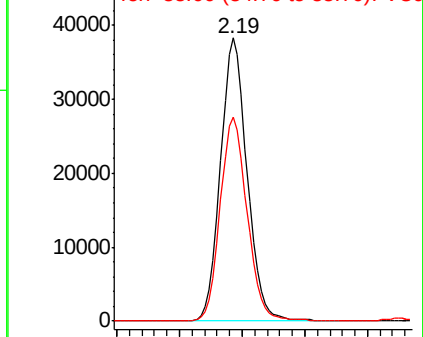
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 47.909 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.01 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

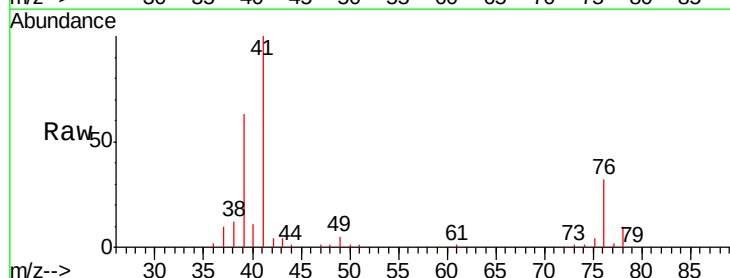
Tgt Ion: 41 Resp: 97202

Ion Ratio Lower Upper

41 100

39 64.0 50.8 76.2

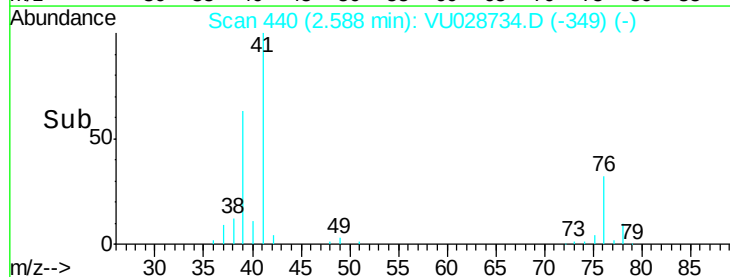
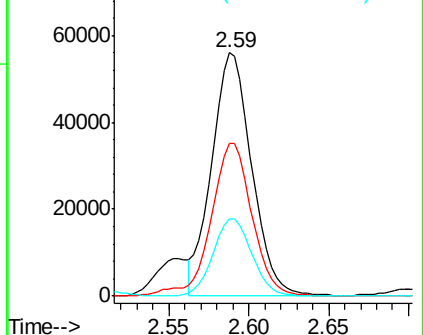
76 30.7 24.8 37.2

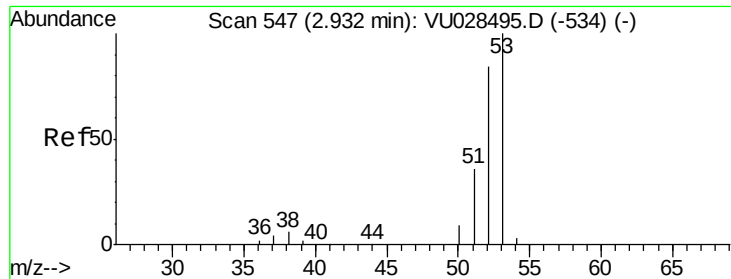


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 277.506 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

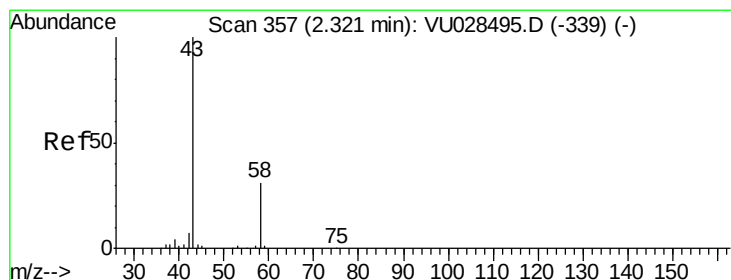
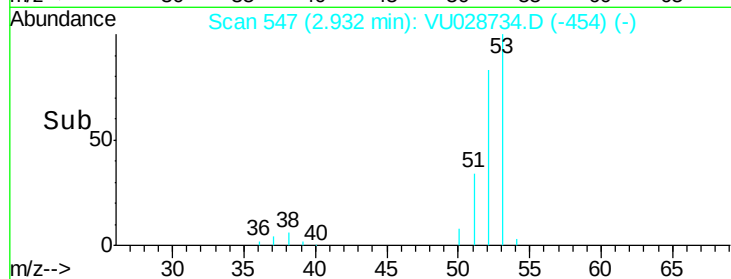
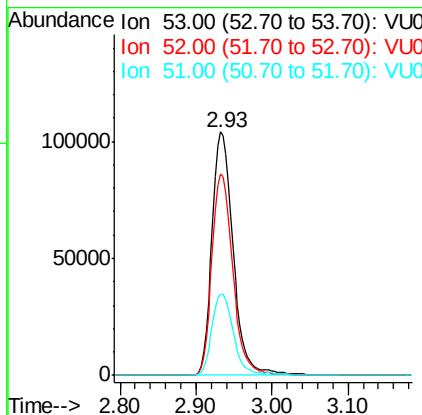
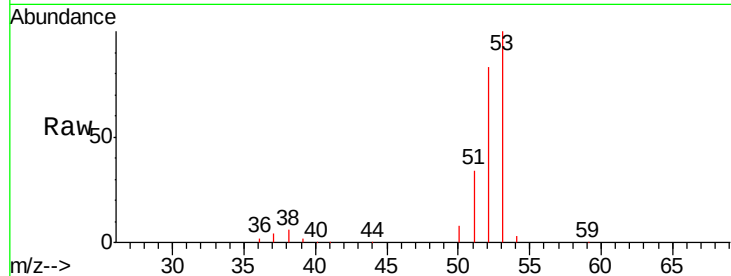
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	201782
Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.1	99.1
51	33.5	28.1	42.1

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#16

Acetone

Concen: 207.572 ug/l

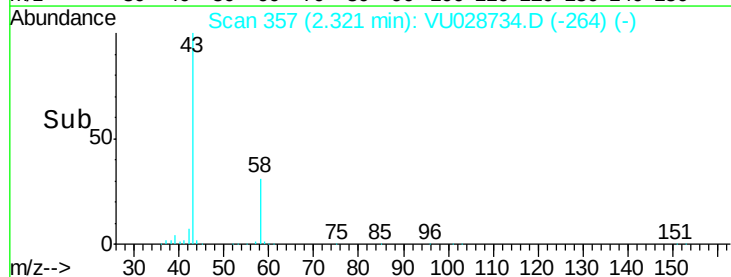
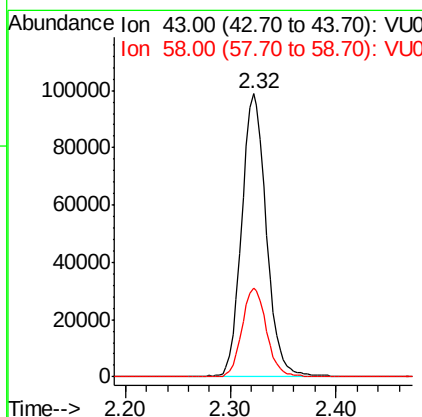
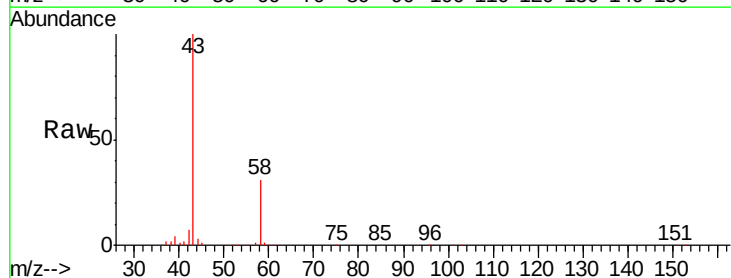
RT: 2.32 min Scan# 357

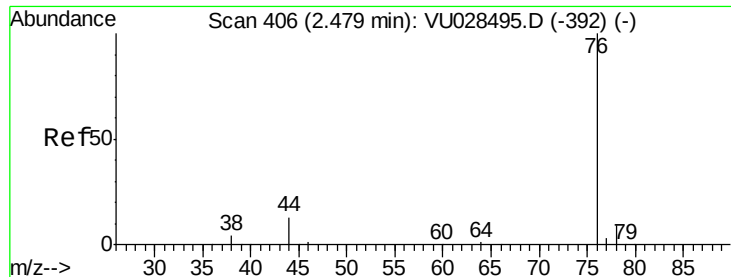
Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Tgt Ion:	43	Resp:	159226
Ion	Ratio	Lower	Upper
43	100		
58	31.5	24.6	37.0





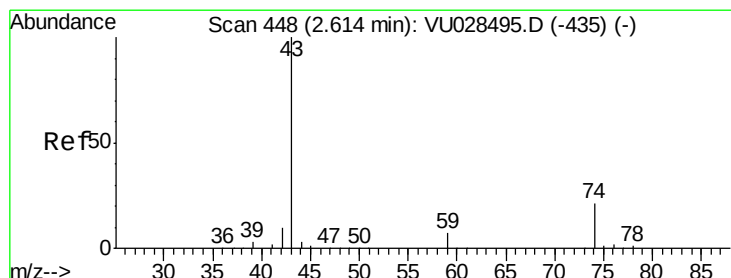
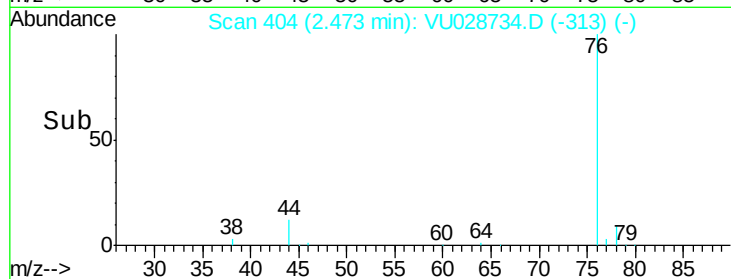
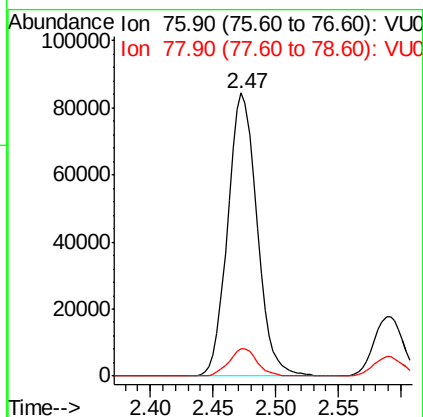
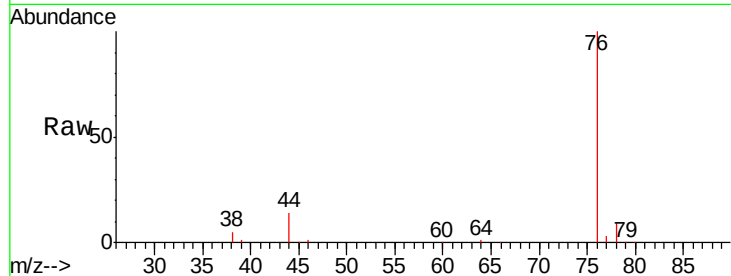
#17
Carbon Disulfide
Concen: 44.376 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.01 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 137108
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8

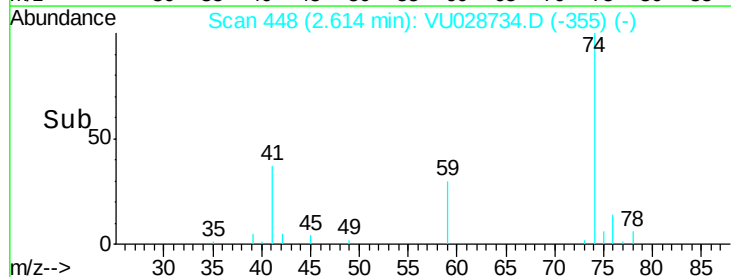
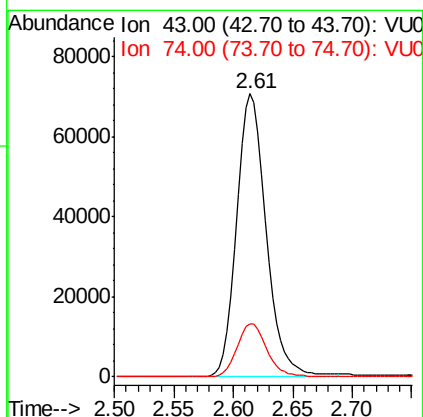
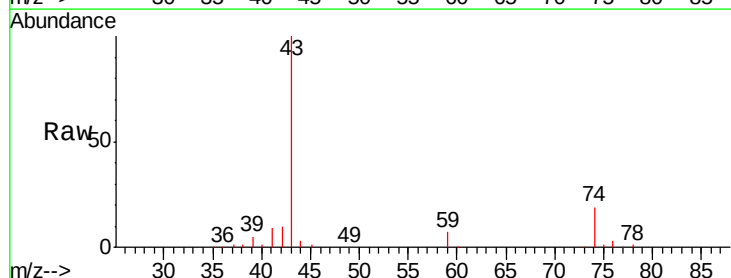
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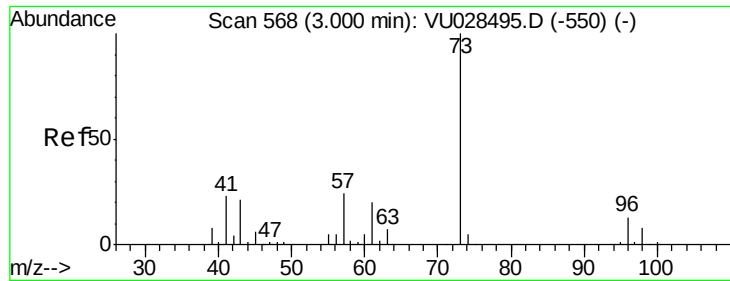
MMDadoda
12/18/2018 11:31:17 AM



#18
Methyl Acetate
Concen: 61.017 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion: 43 Resp: 121331
Ion Ratio Lower Upper
43 100
74 19.2 16.4 24.6





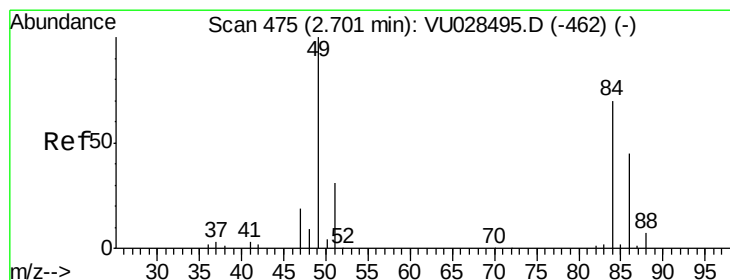
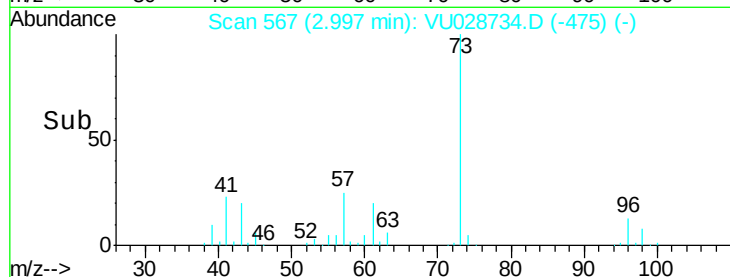
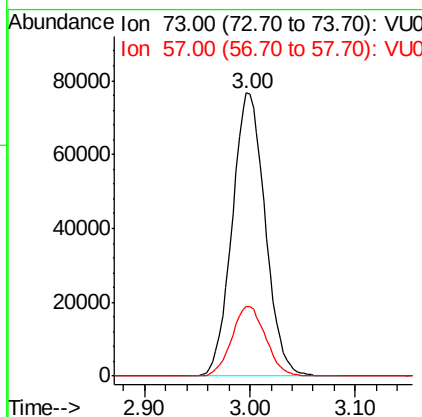
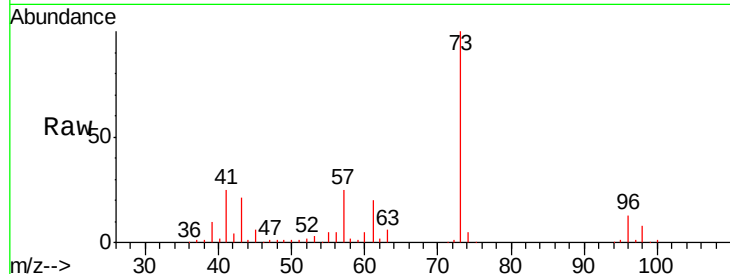
#19
Methyl tert-butyl Ether
Concen: 51.134 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 166249
Ion Ratio Lower Upper
73 100
57 24.7 19.4 29.2

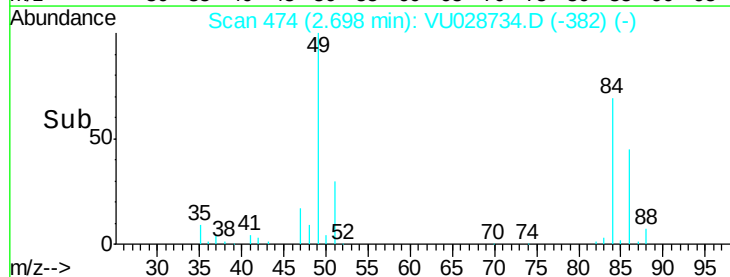
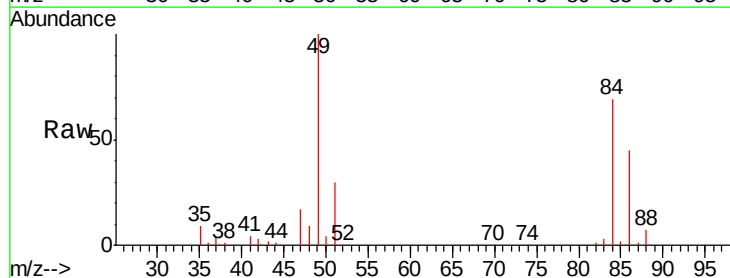
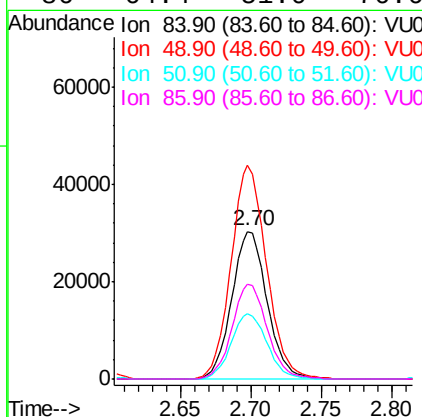
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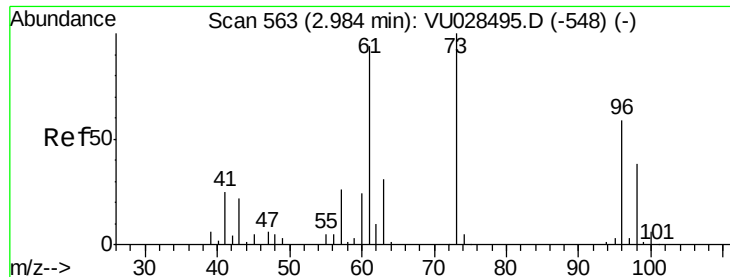
MMDadoda
12/18/2018 11:31:17 AM



#20
Methylene Chloride
Concen: 47.054 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion: 84 Resp: 53209
Ion Ratio Lower Upper
84 100
49 144.7 114.0 171.0
51 44.1 35.1 52.7
86 64.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 48.643 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 46971

Ion Ratio Lower Upper

96 100

61 155.9 127.0 190.4

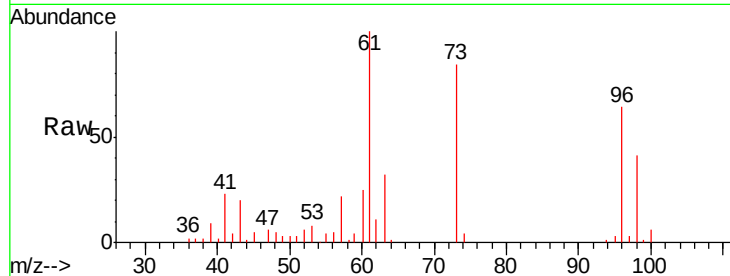
98 63.8 51.9 77.9

Manual Integrations

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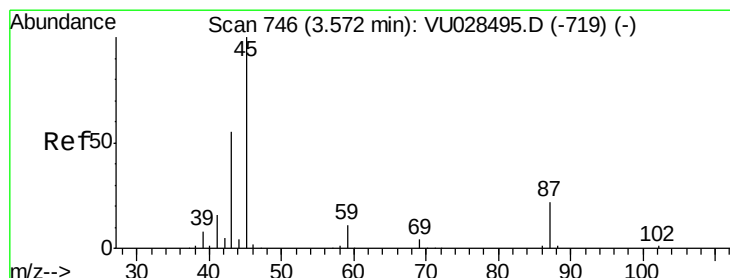
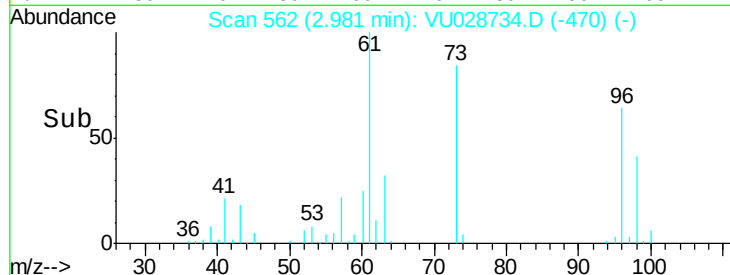
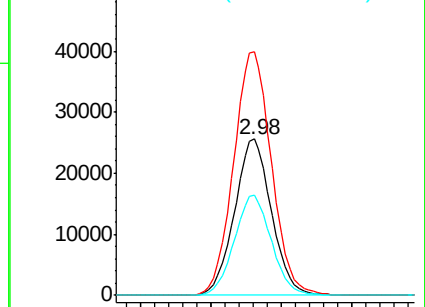
12/18/2018 11:31:17 AM



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: 53.510 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Tgt Ion: 45 Resp: 211123

Ion Ratio Lower Upper

45 100

43 54.4 45.3 67.9

87 21.1 17.6 26.4

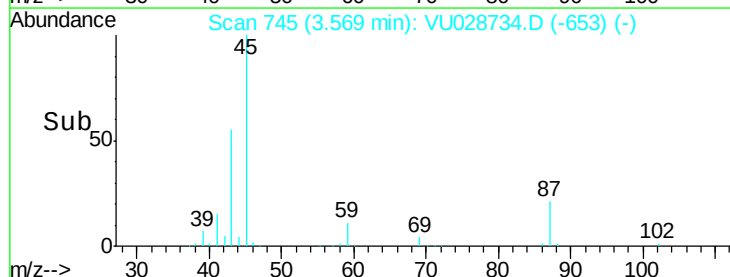
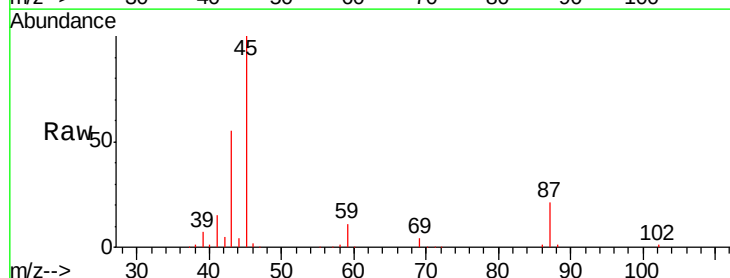
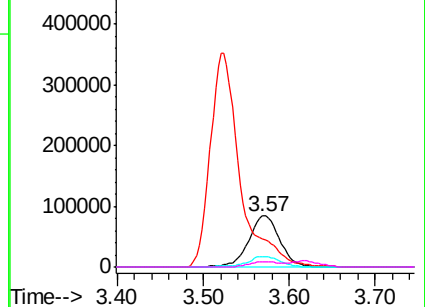
59 10.7 8.8 13.2

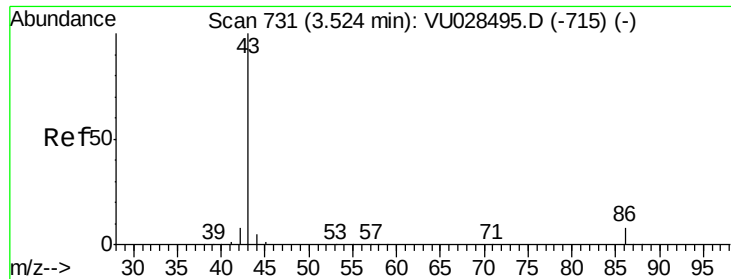
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 262.517 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 854342

Ion Ratio Lower Upper

43 100

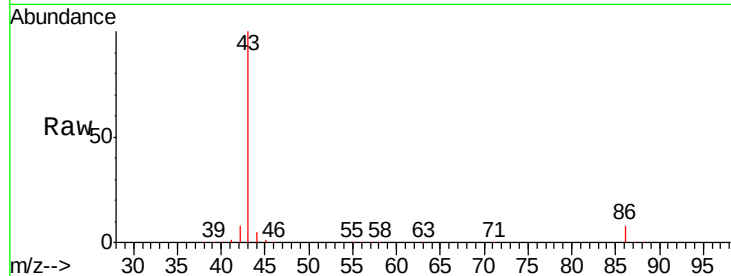
86 8.2 6.8 10.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.52

400000

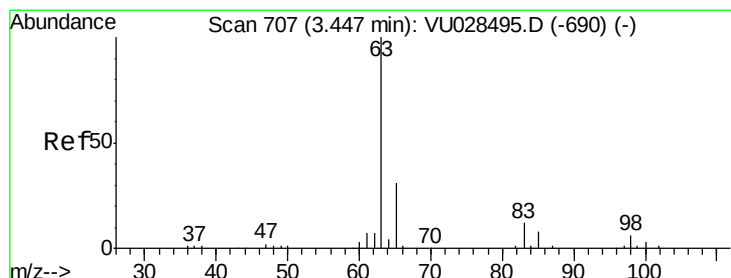
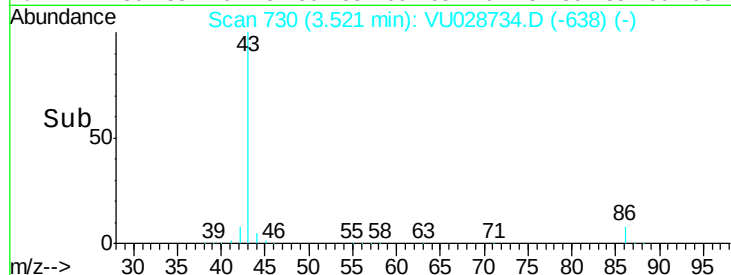
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.800 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

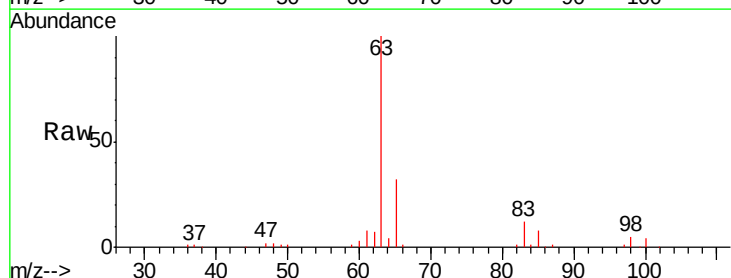
Tgt Ion: 63 Resp: 104917

Ion Ratio Lower Upper

63 100

98 5.3 3.0 9.2

100 3.9 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.44

60000

50000

40000

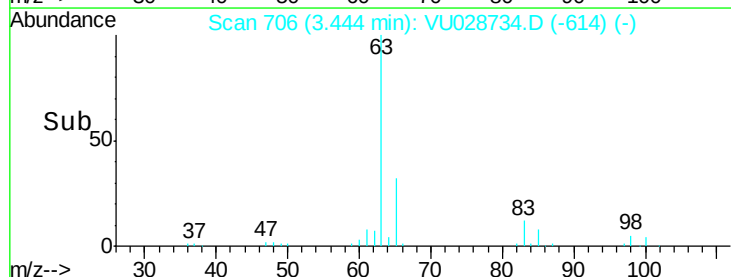
30000

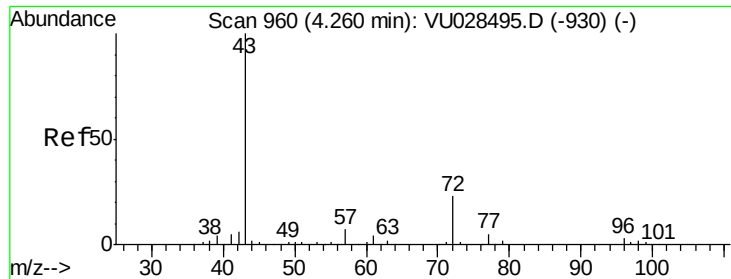
20000

10000

0

Time-->





#25

2-Butanone

Concen: 258.599 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 271089

Ion Ratio Lower Upper

43 100

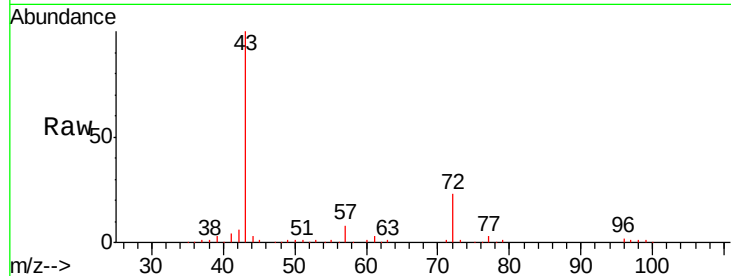
72 22.7 18.6 28.0

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

120000

100000

80000

60000

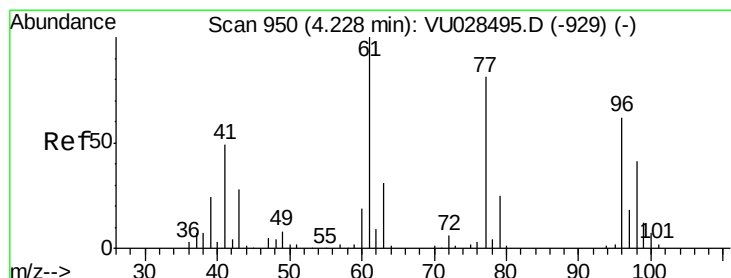
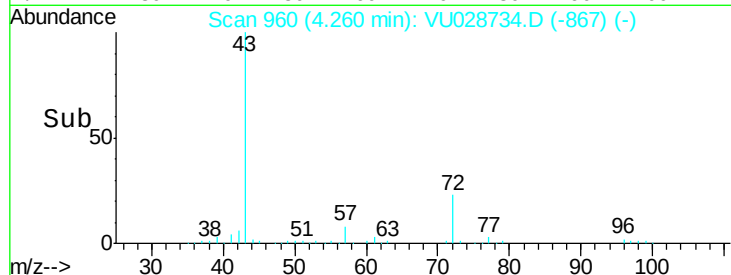
40000

20000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 45.391 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028734.D

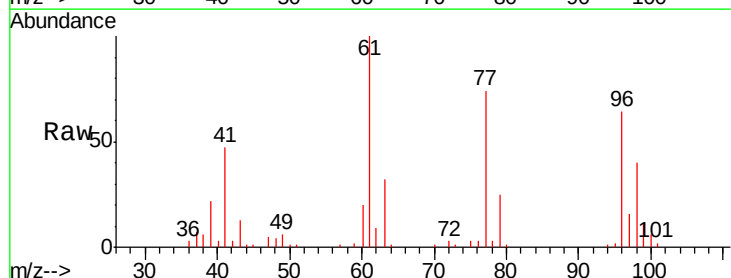
Acq: 17 Dec 2018 20:44

Tgt Ion: 77 Resp: 74280

Ion Ratio Lower Upper

77 100

97 21.7 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

30000

25000

20000

15000

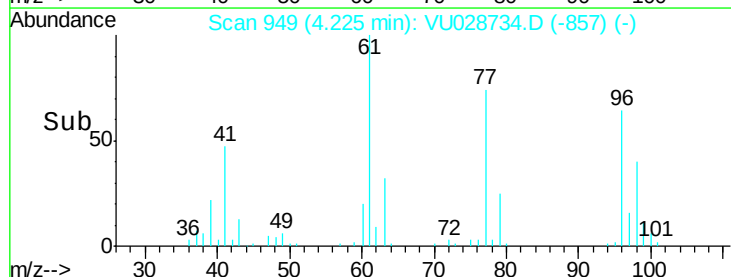
10000

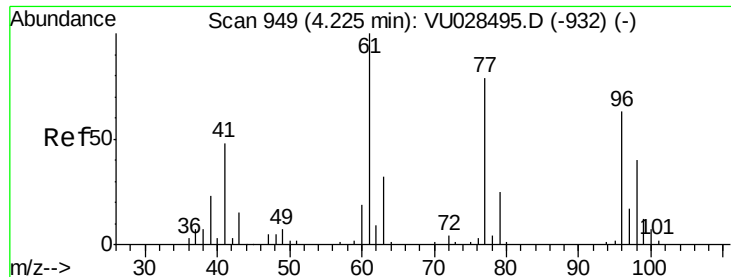
5000

0

4.10 4.20 4.30

Time-->





#27

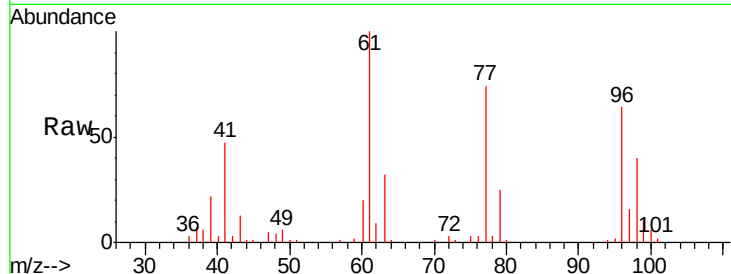
cis-1,2-Dichloroethene
Concen: 50.124 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

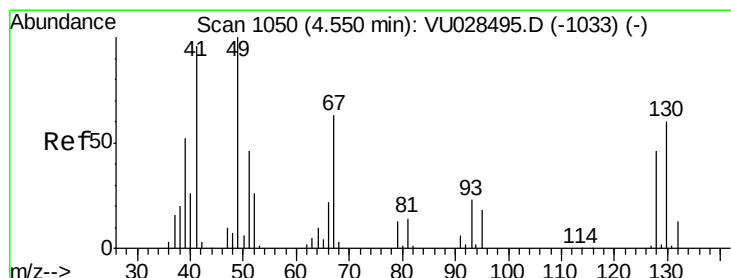
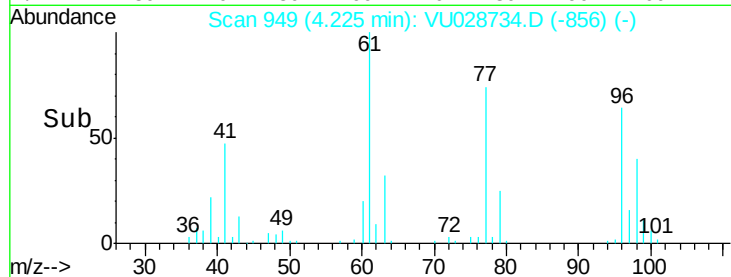
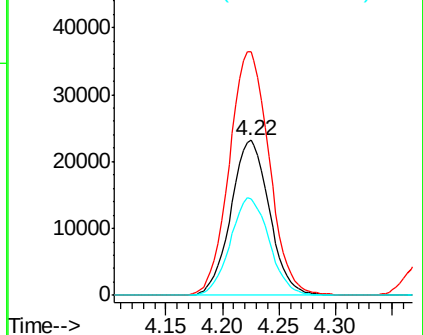
Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.2	0.0	332.4
98	63.6	0.0	129.0

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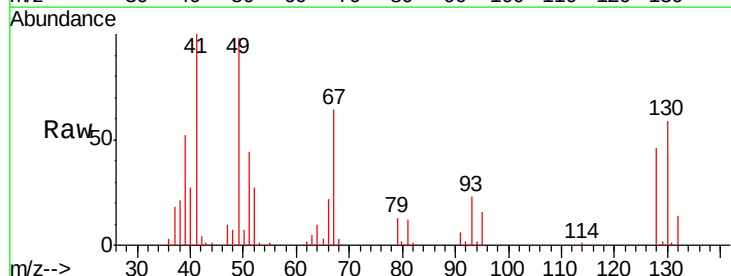
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



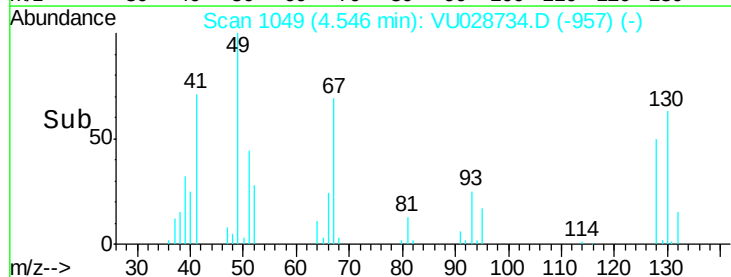
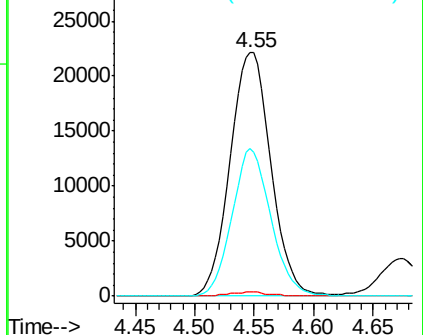
#28

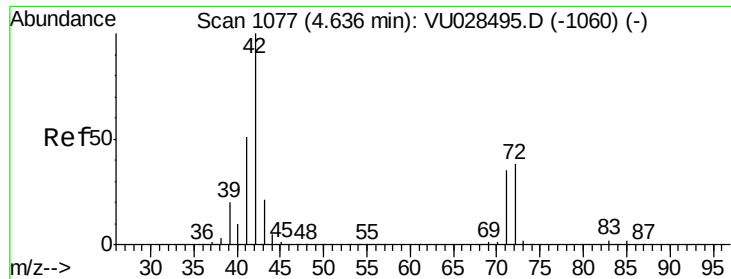
Bromochloromethane
Concen: 56.195 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	57.3	47.8	71.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





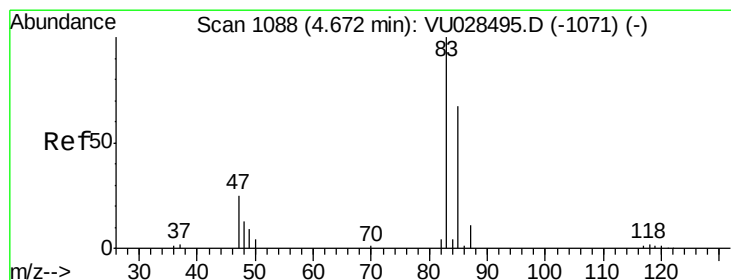
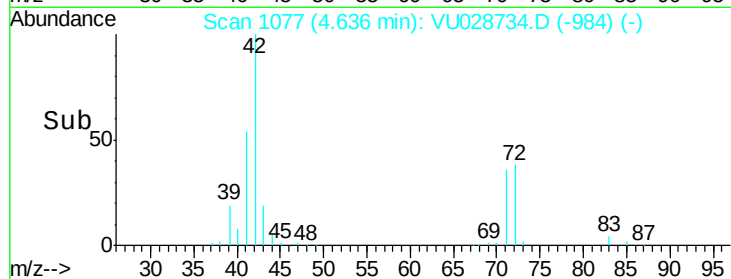
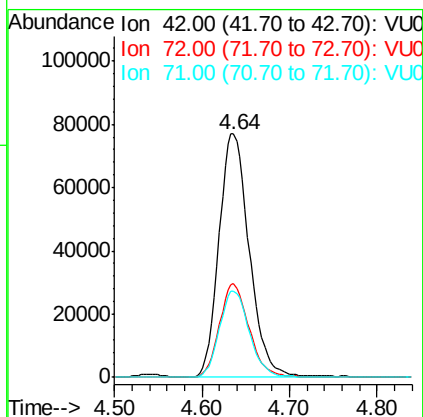
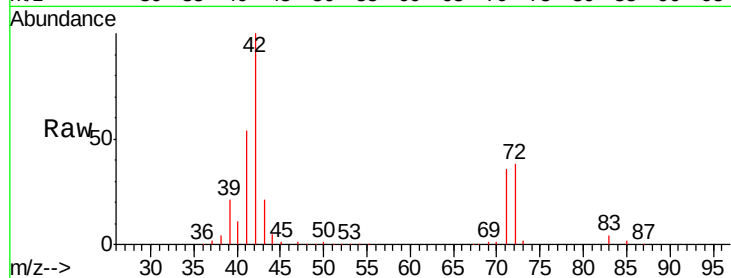
#29
Tetrahydrofuran
Concen: 273.942 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.8	31.4	47.0
71	35.3	28.6	43.0

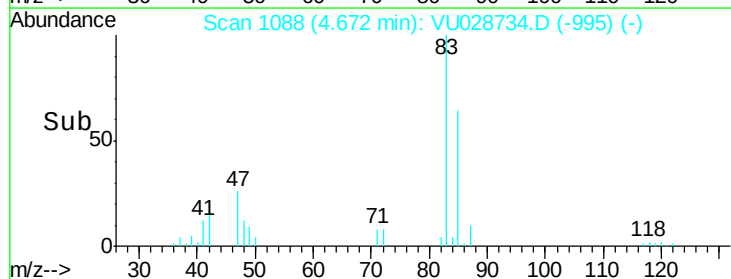
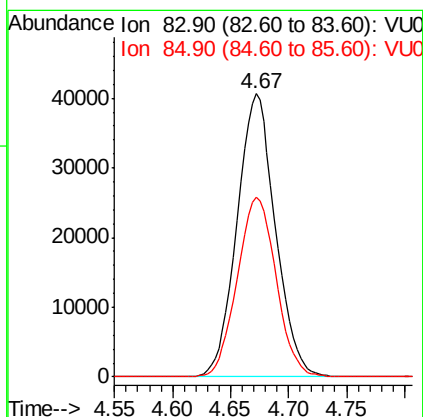
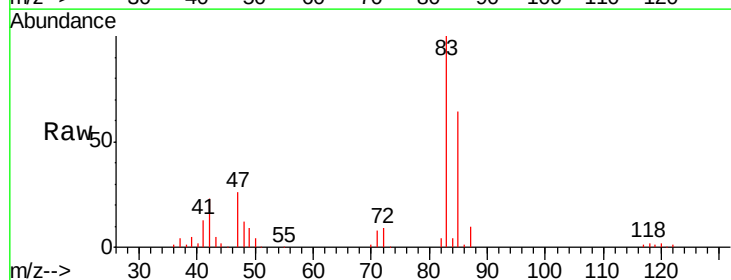
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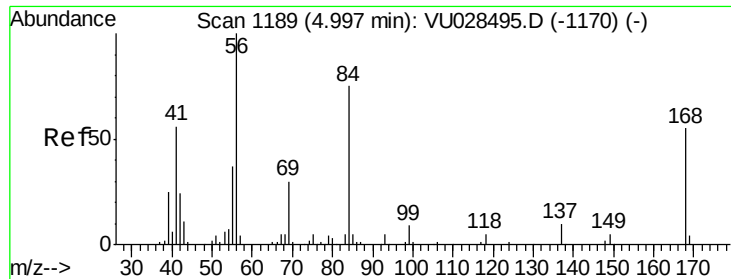
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#30
Chloroform
Concen: 51.841 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	53.6	80.4





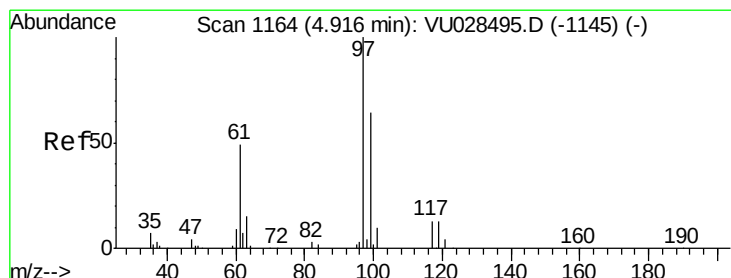
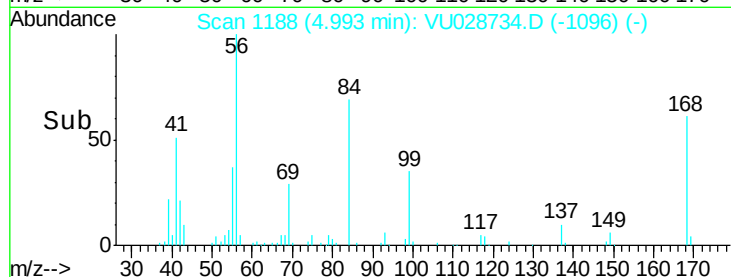
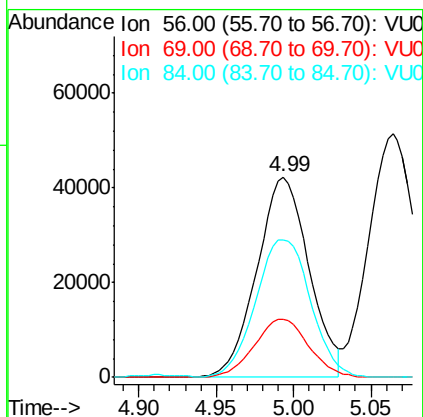
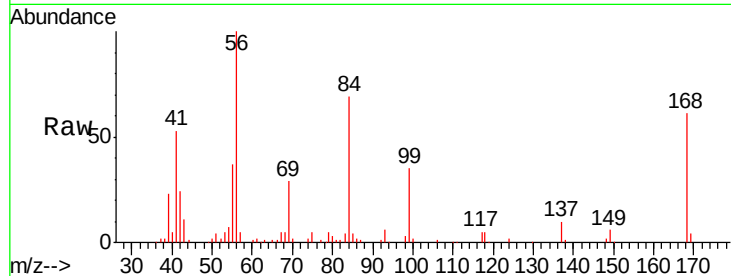
#31
Cyclohexane
Concen: 49.117 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.1	24.0	36.0
84	68.3	59.7	89.5

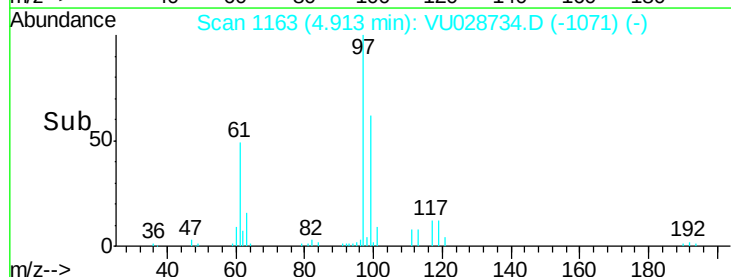
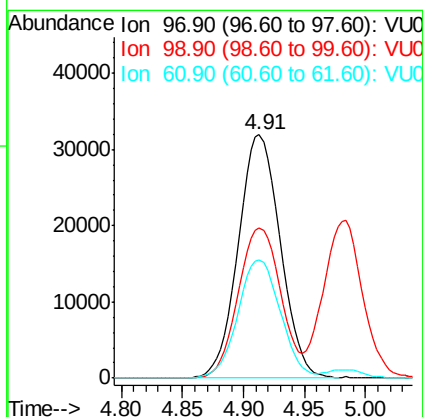
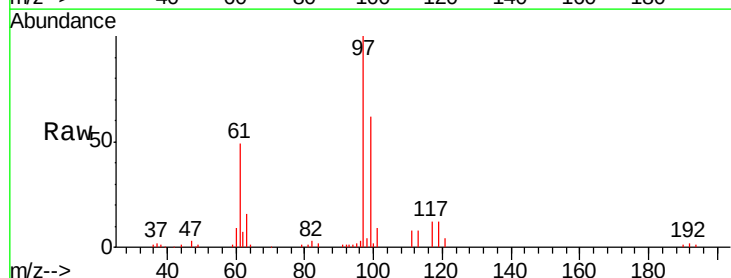
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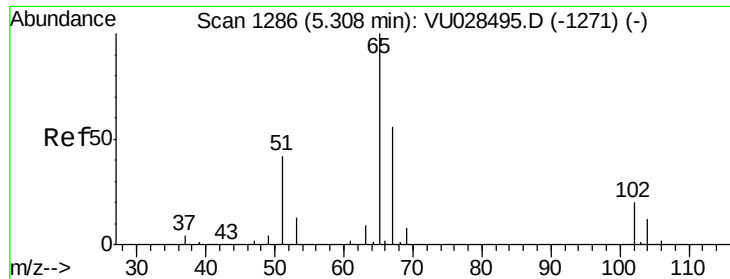
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#32
1,1,1-Trichloroethane
Concen: 50.975 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	52.3	78.5
61	49.0	39.0	58.6





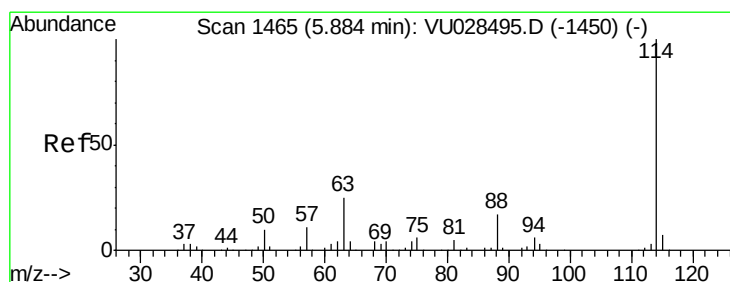
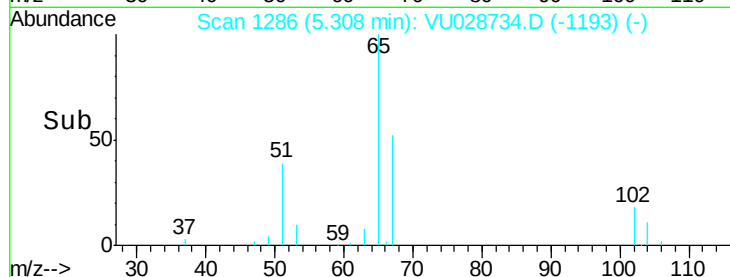
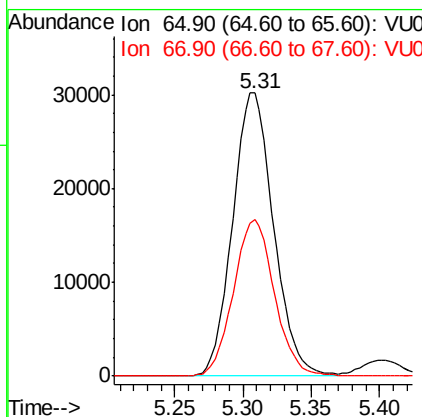
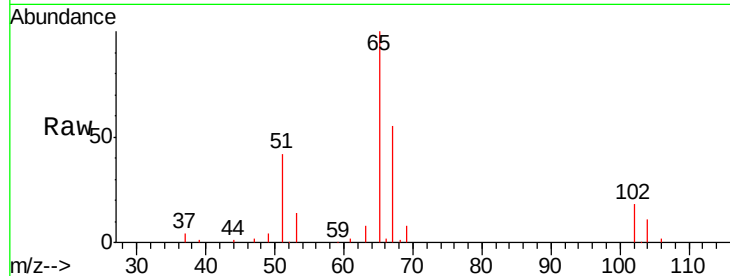
#33
 1,2-Dichloroethane-d4
 Concen: 53.481 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 62868
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.6

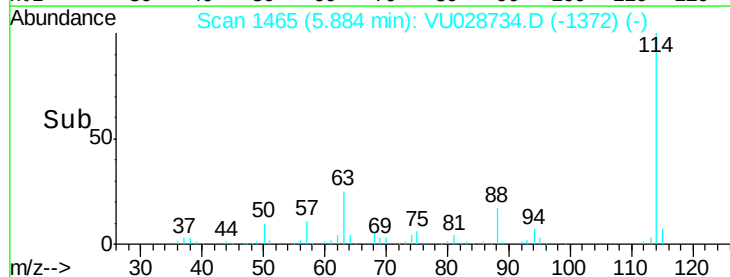
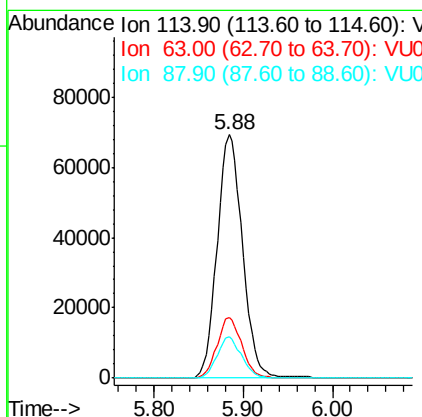
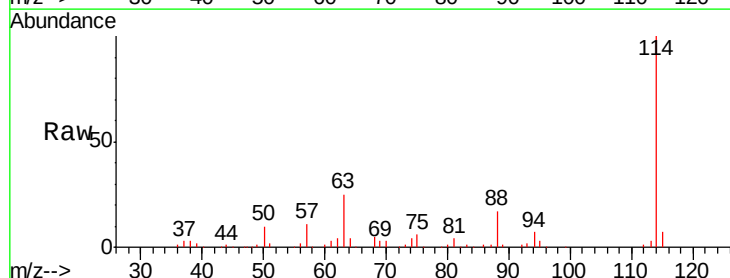
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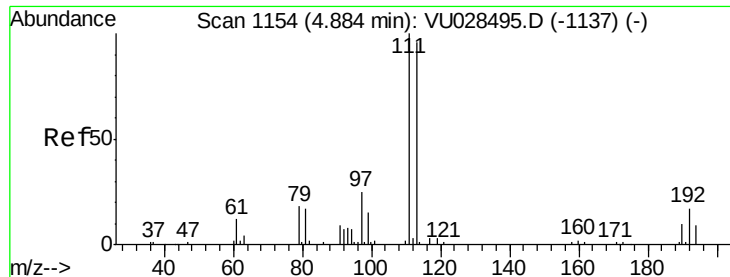
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion: 114 Resp: 136677
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 17.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.330 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

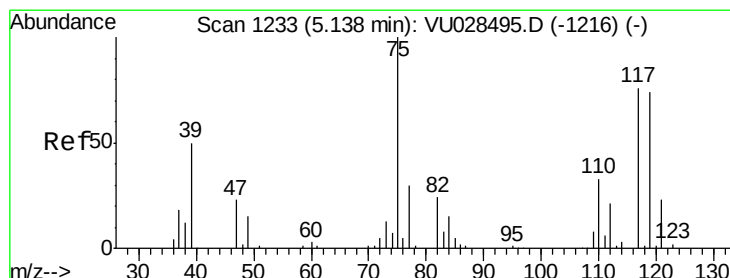
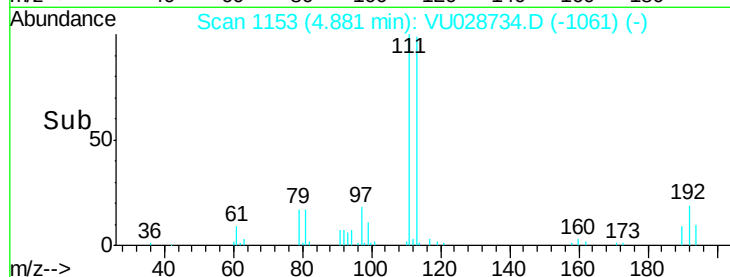
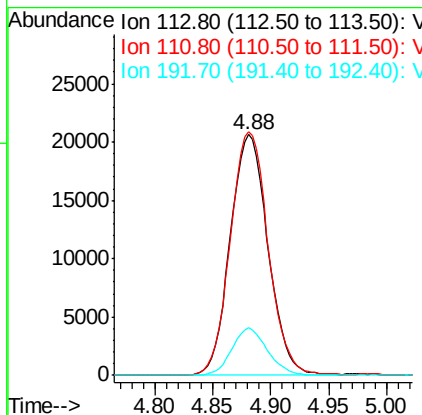
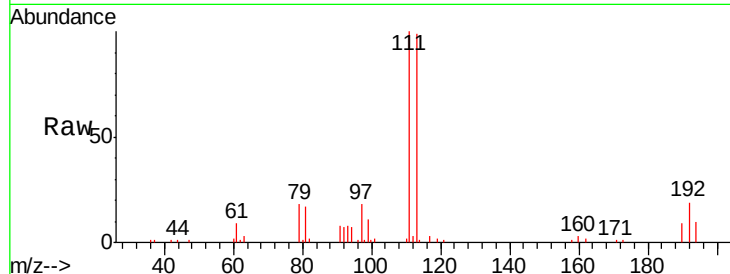
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	113	Resp:	46730
Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.4	125.0
192	18.5	14.8	22.2

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#36

1,1-Dichloropropene

Concen: 46.992 ug/l

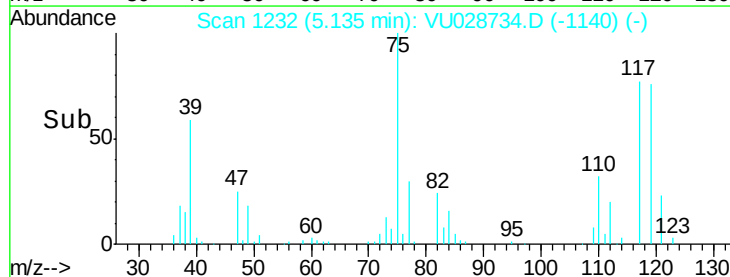
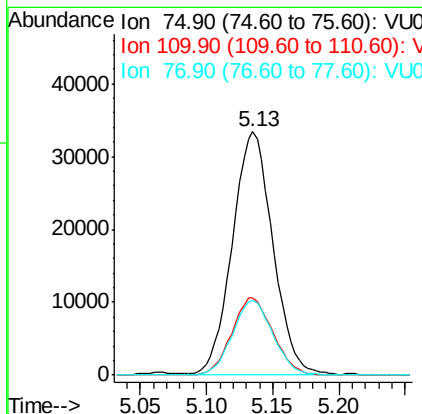
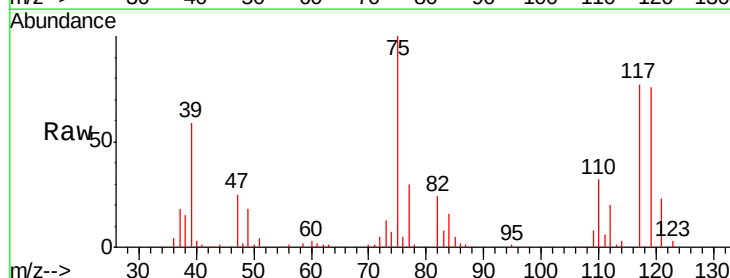
RT: 5.13 min Scan# 1232

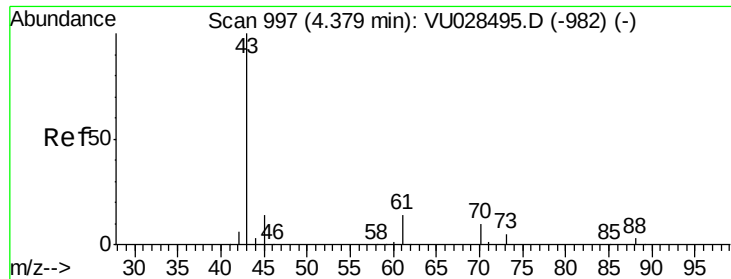
Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Tgt Ion:	75	Resp:	70283
Ion	Ratio	Lower	Upper
75	100		
110	32.5	16.1	48.2
77	31.1	24.5	36.7





#37

Ethyl Acetate

Concen: 53.507 ug/l

RT: 4.38 min Scan# 997

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 103452

Ion Ratio Lower Upper

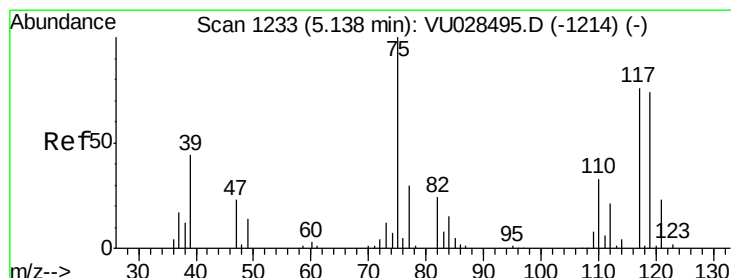
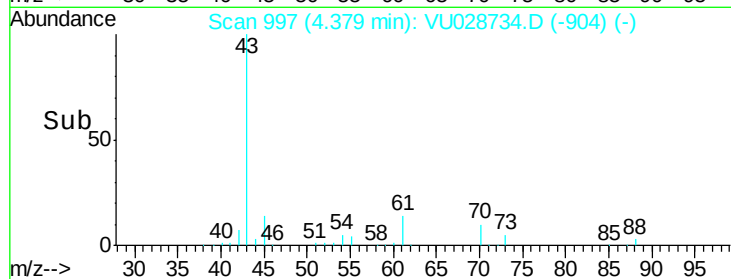
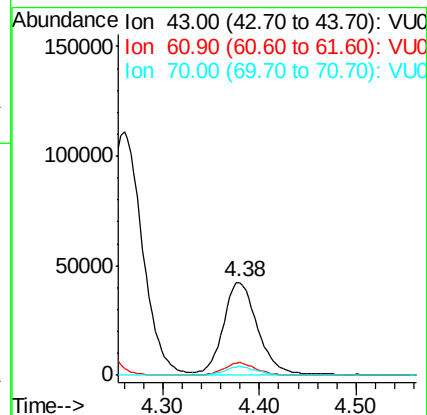
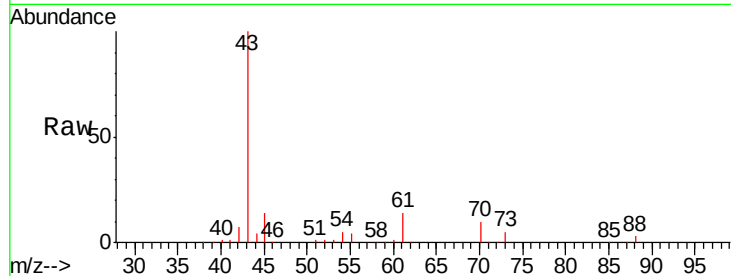
43 100

61 13.1 11.0 16.4

70 9.1 7.4 11.0

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#38

Carbon Tetrachloride

Concen: 48.931 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

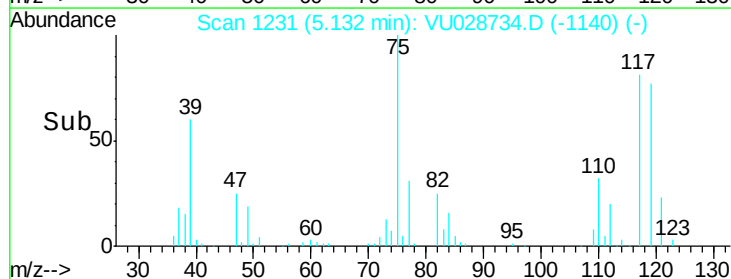
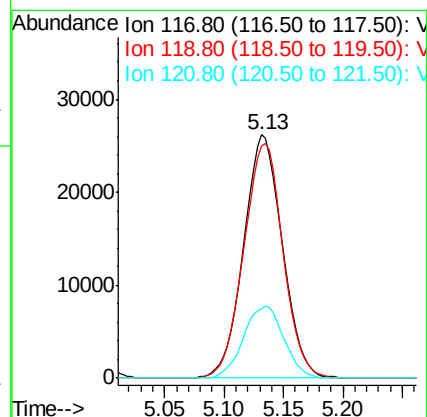
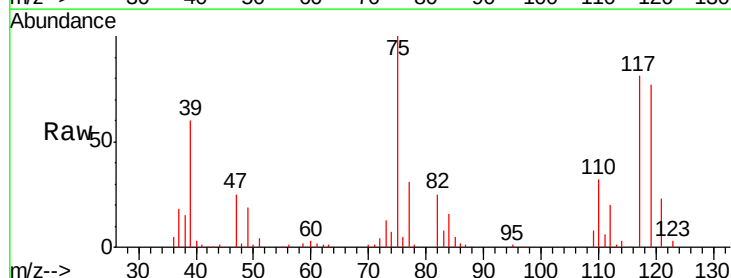
Tgt Ion: 117 Resp: 58986

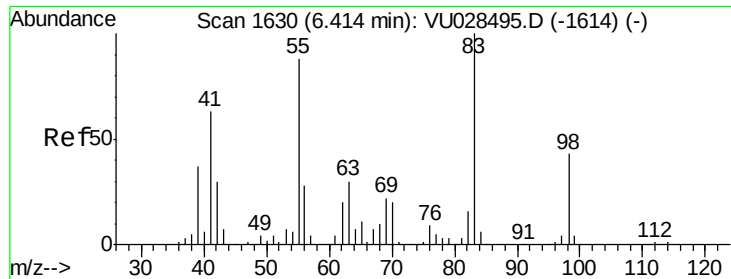
Ion Ratio Lower Upper

117 100

119 95.3 77.6 116.4

121 28.8 24.6 36.8





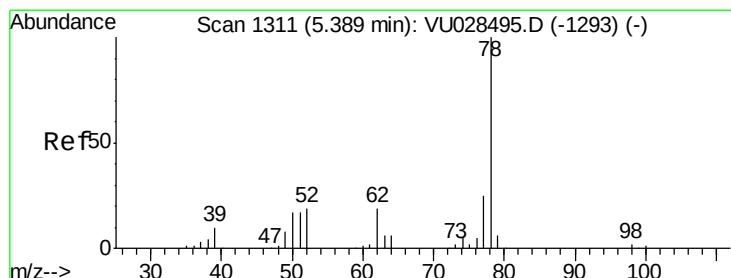
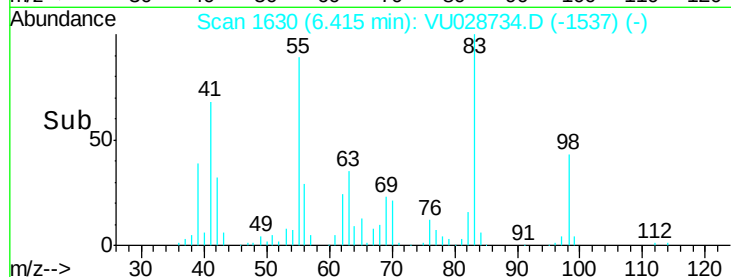
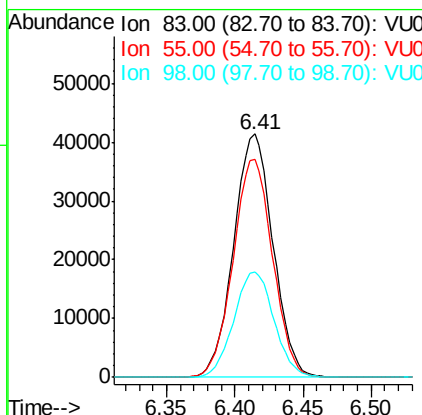
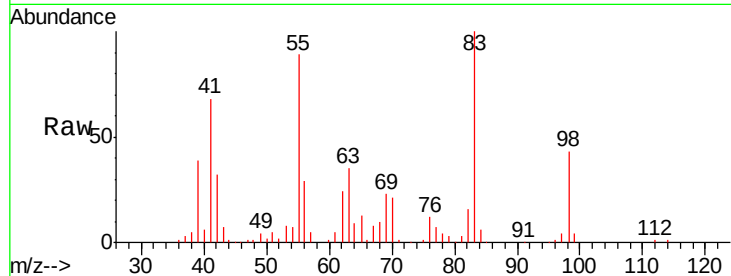
#39
Methylcyclohexane
Concen: 45.422 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	89.5	70.2	105.2
98	43.1	34.2	51.4

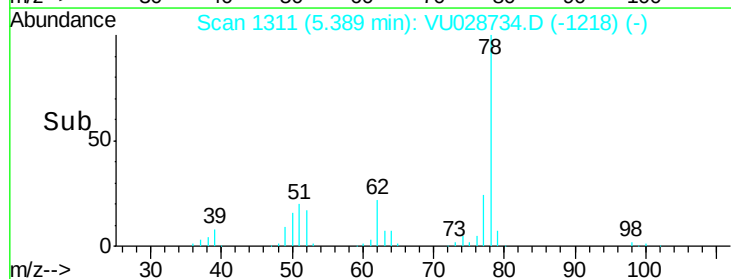
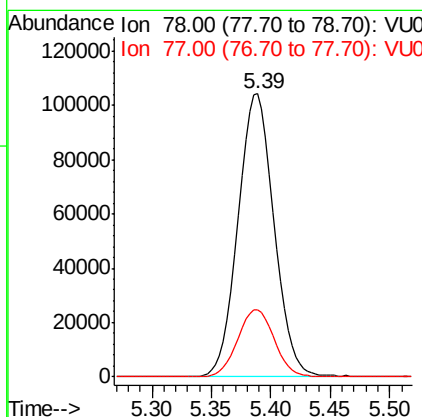
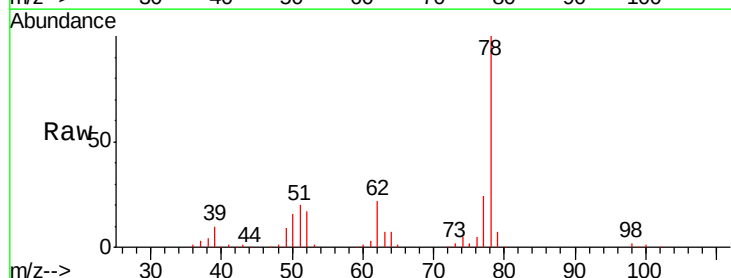
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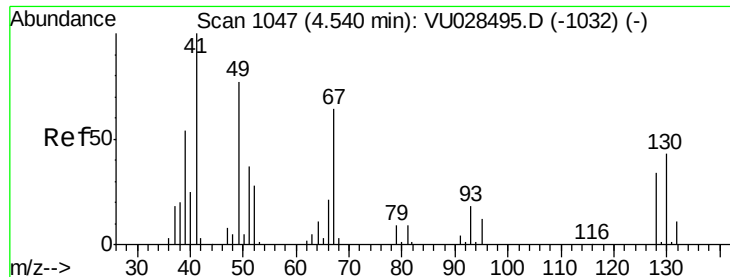
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#40
Benzene
Concen: 49.714 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.9	29.9





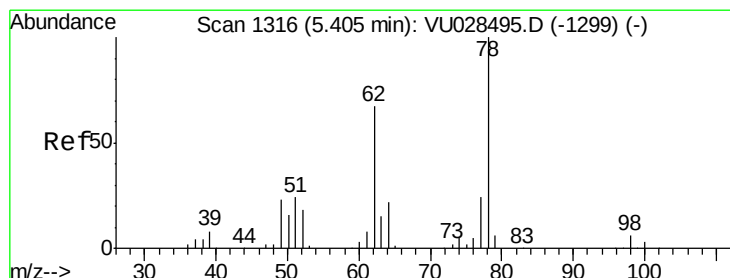
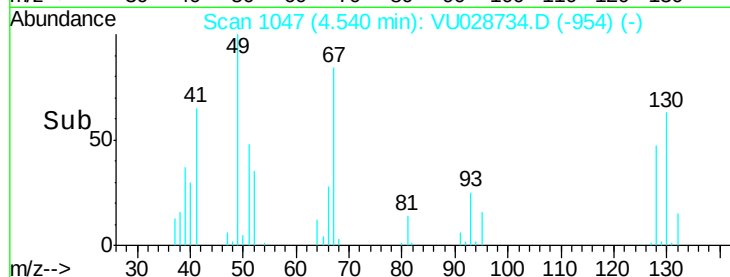
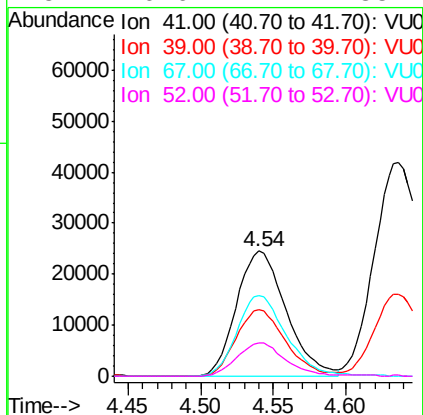
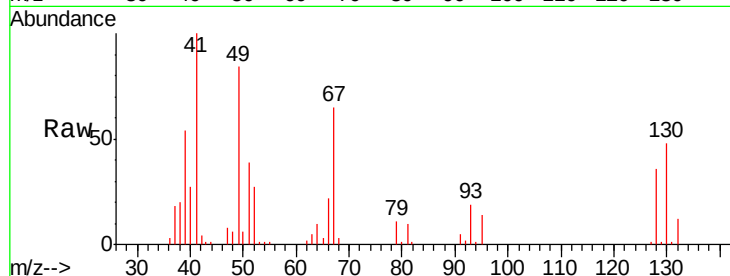
#41
Methacrylonitrile
Concen: 55.233 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.1	43.3	64.9
67	64.4	53.6	80.4
52	26.6	22.1	33.1

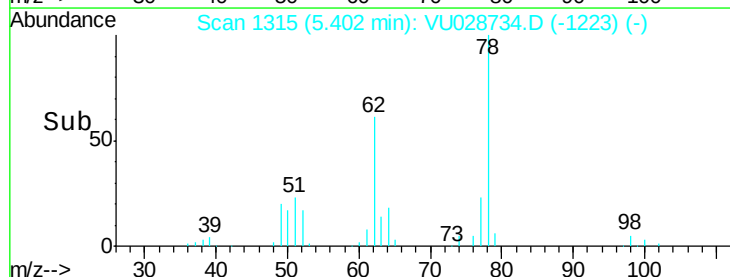
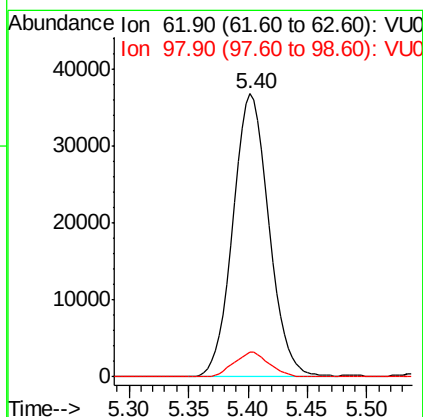
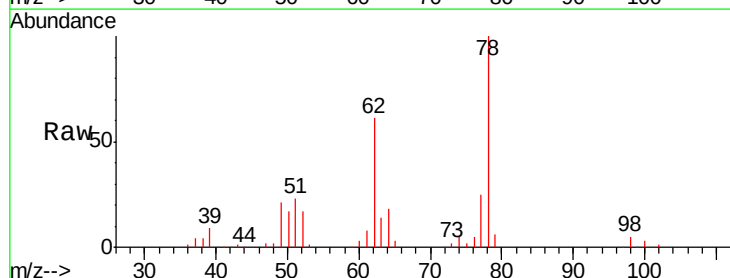
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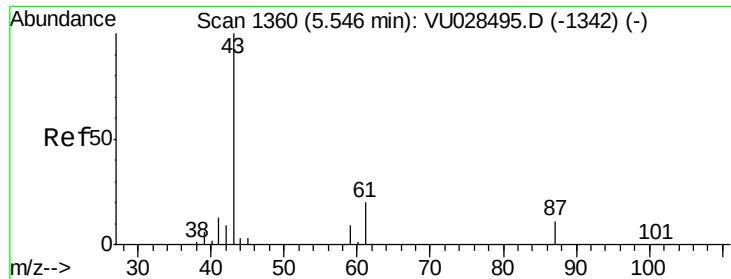
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#42
1,2-Dichloroethane
Concen: 50.164 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.2





#43

Isopropyl Acetate

Concen: 53.088 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

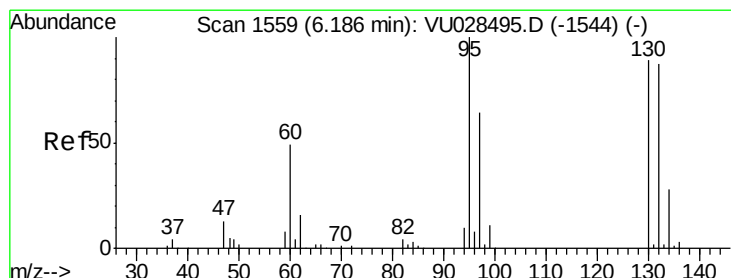
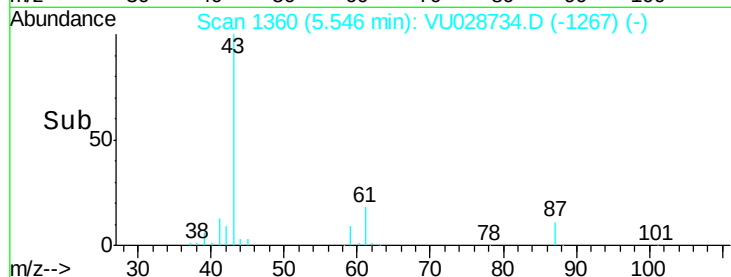
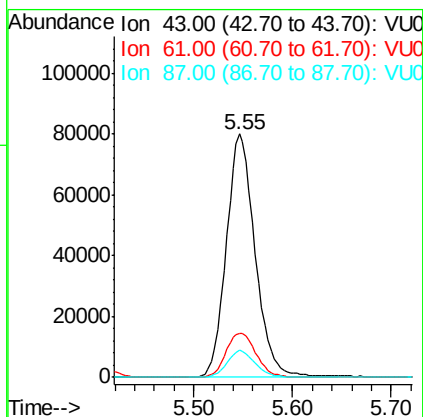
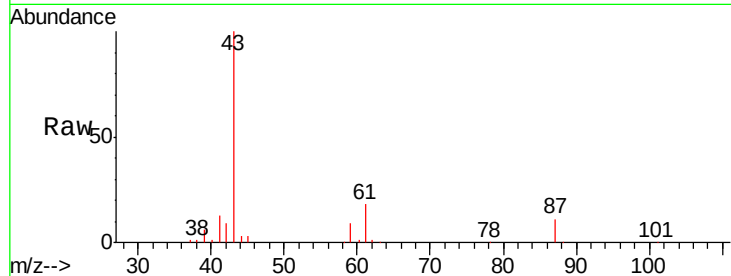
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	162347
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.5	23.3
87	10.9	8.7	13.1

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#44

Trichloroethene

Concen: 48.109 ug/l

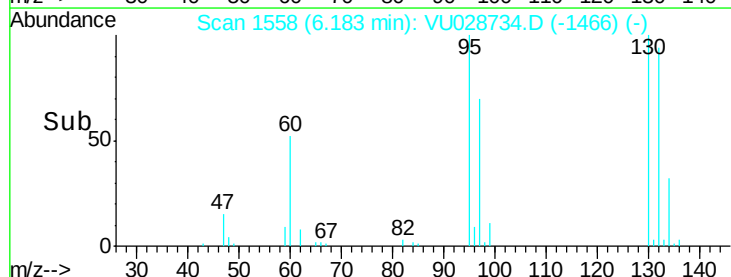
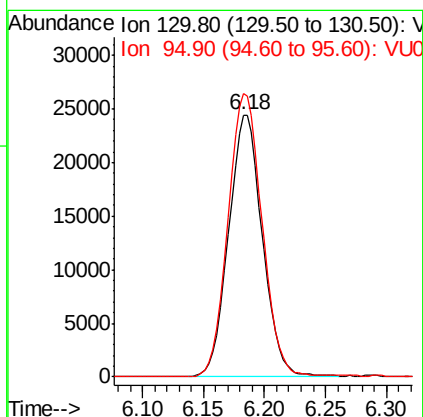
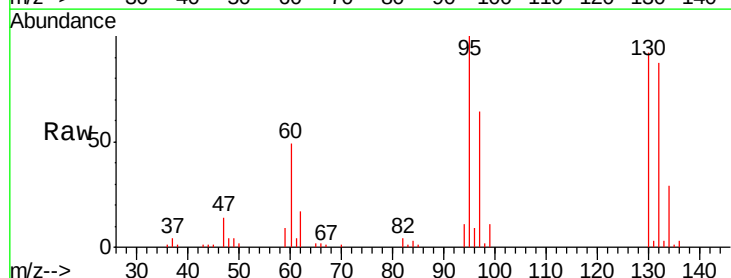
RT: 6.18 min Scan# 1558

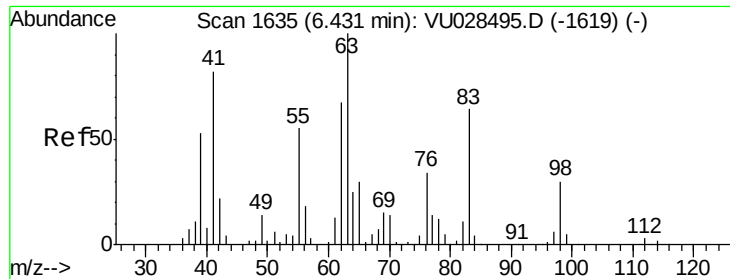
Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Tgt Ion:	130	Resp:	47120
Ion	Ratio	Lower	Upper
130	100		
95	108.2	0.0	224.0





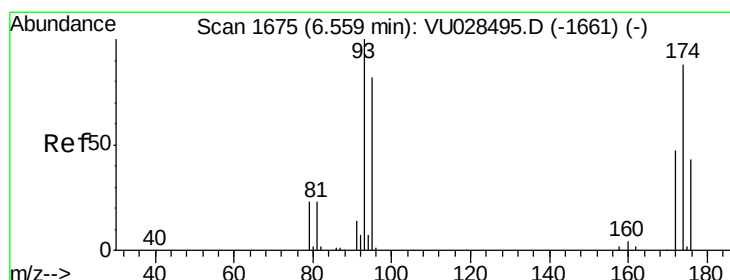
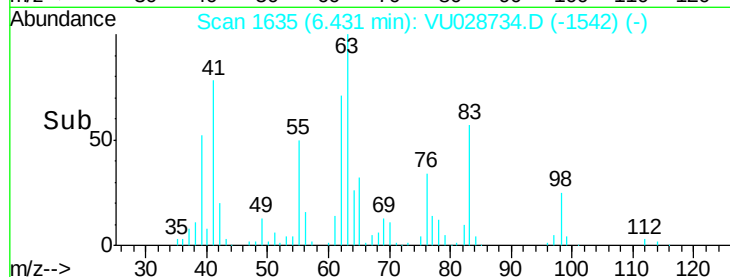
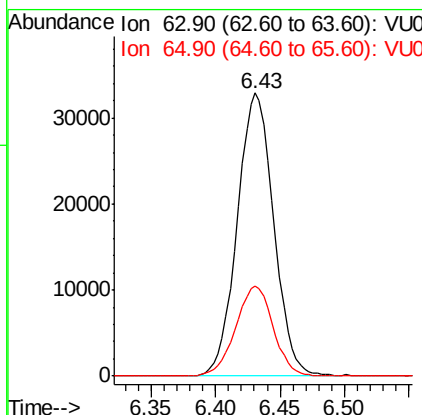
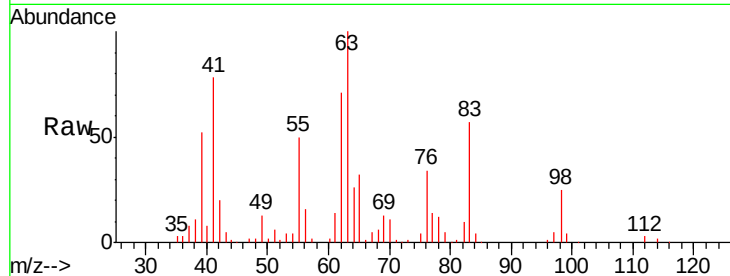
#45
 1,2-Dichloropropane
 Concen: 52.286 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 64767
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.2 36.4

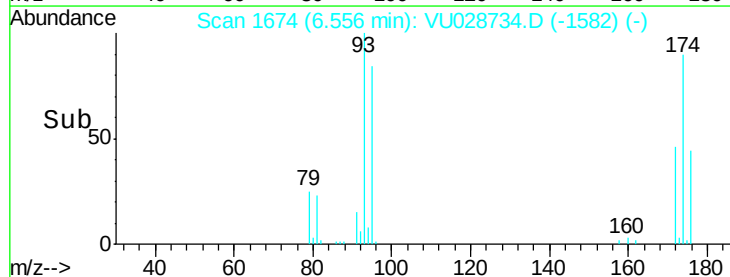
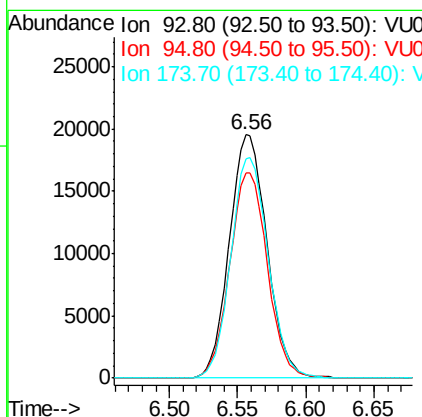
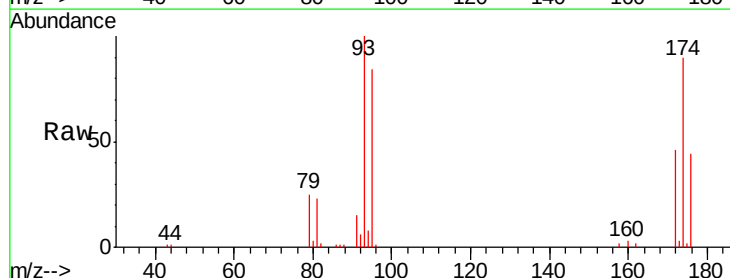
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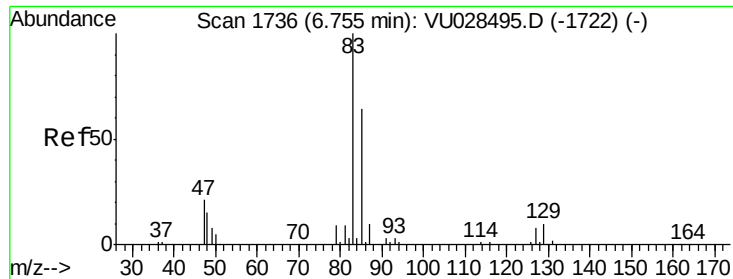
MMDadoda
 12/18/2018 11:31:17 AM



#46
 Dibromomethane
 Concen: 50.949 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion: 93 Resp: 37446
 Ion Ratio Lower Upper
 93 100
 95 84.3 65.4 98.2
 174 90.2 72.2 108.4





#47

Bromodichloromethane

Concen: 51.009 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

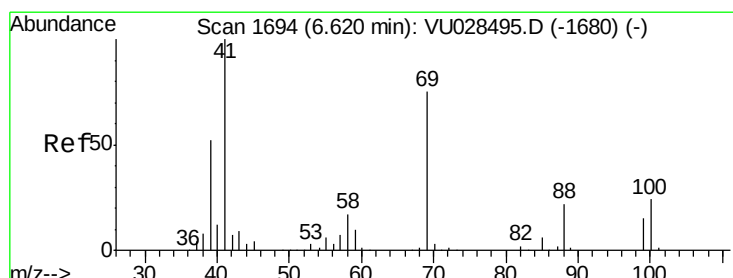
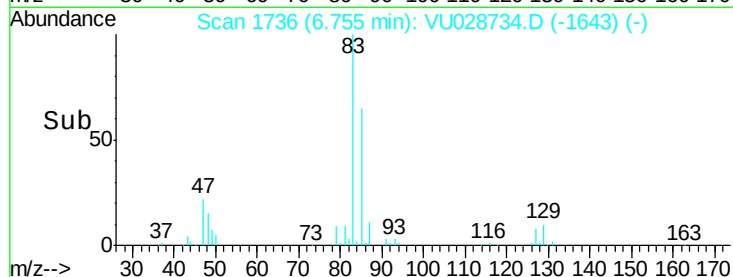
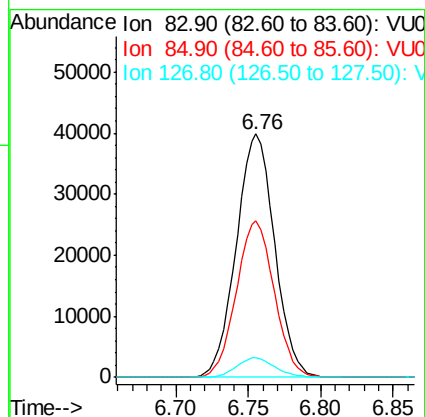
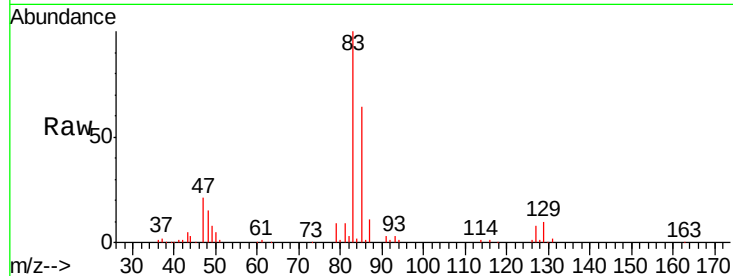
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	72953
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3
127	8.1	6.2	9.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.437 ug/l

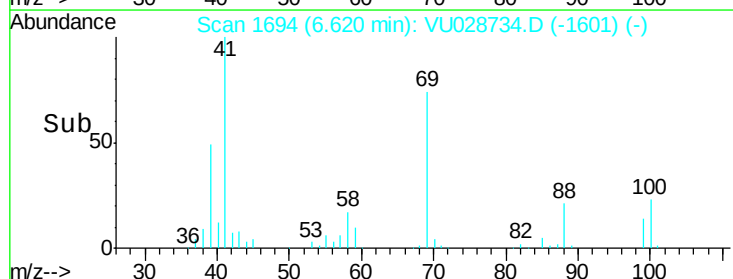
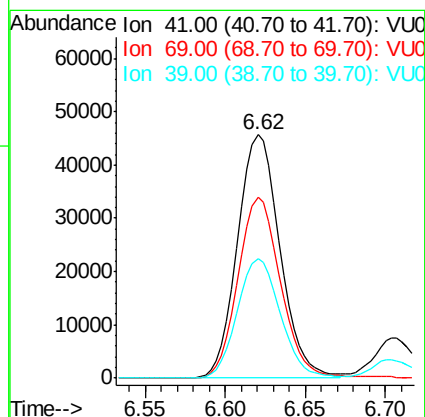
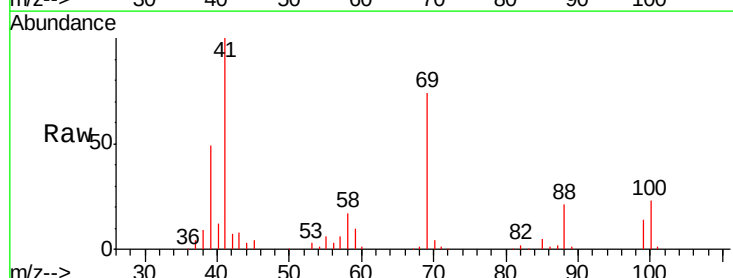
RT: 6.62 min Scan# 1694

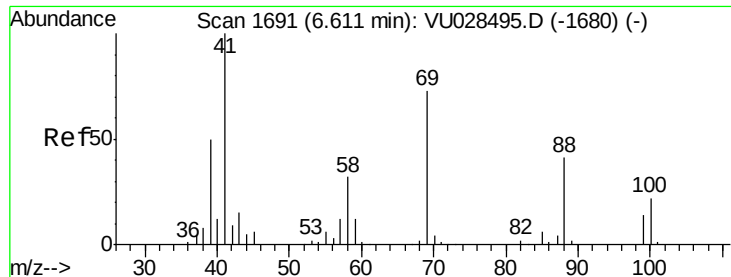
Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Tgt Ion:	41	Resp:	82788
Ion	Ratio	Lower	Upper
41	100		
69	74.8	60.4	90.6
39	49.8	41.1	61.7





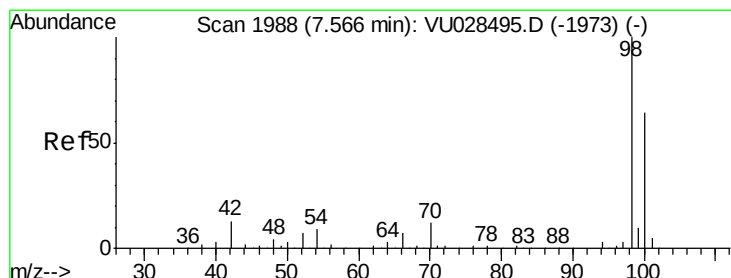
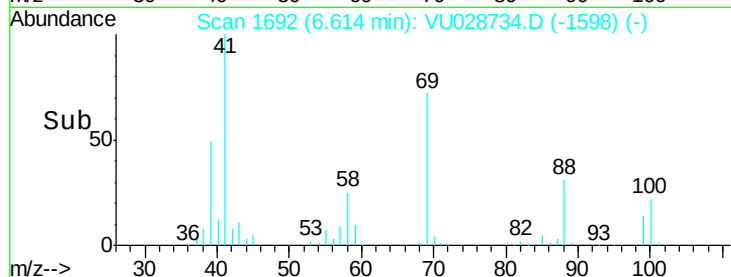
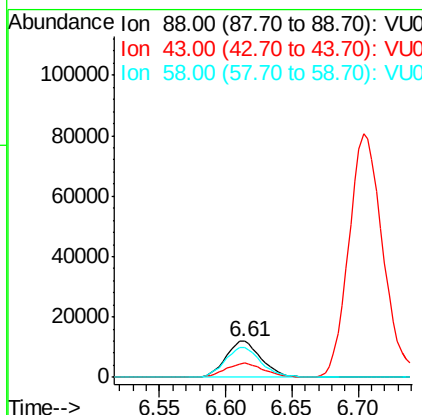
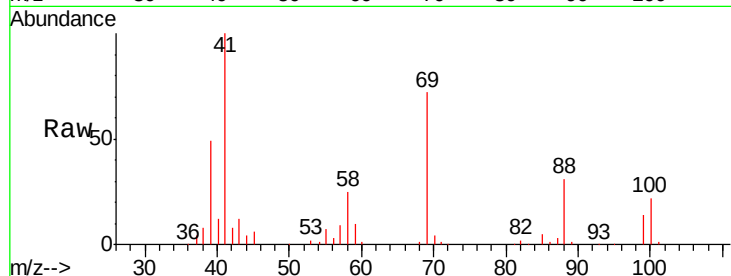
#49
1,4-Dioxane
Concen: 937.499 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	39.2	30.9	46.3
58	83.7	62.4	93.6

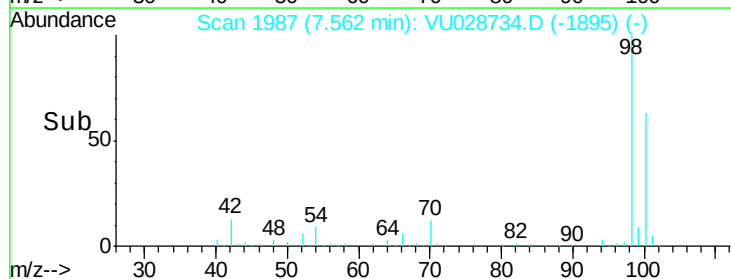
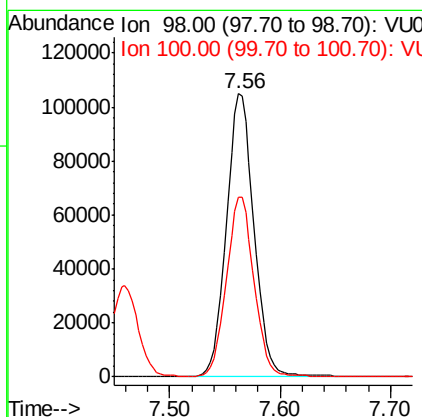
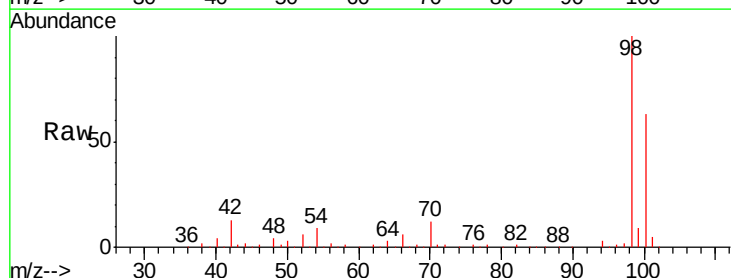
Manual Integrations
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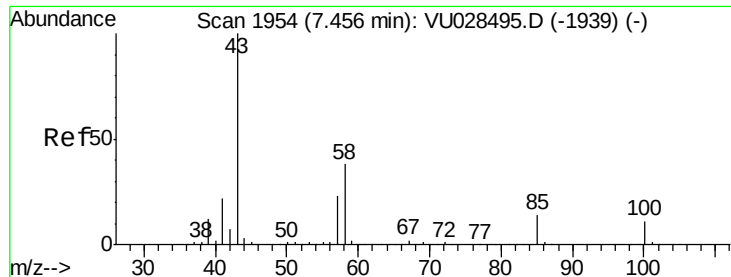
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#50
Toluene-d8
Concen: 53.459 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 274.353 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 529163

Ion Ratio Lower Upper

43 100

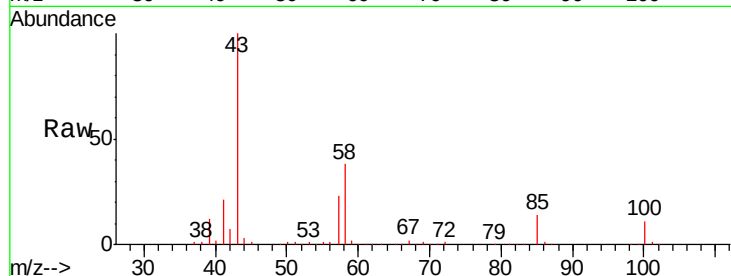
58 37.0 30.2 45.2

Manual Integrations

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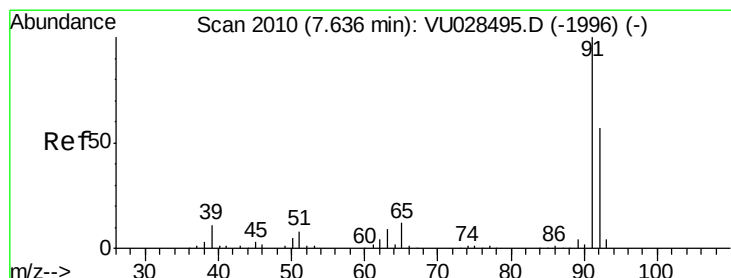
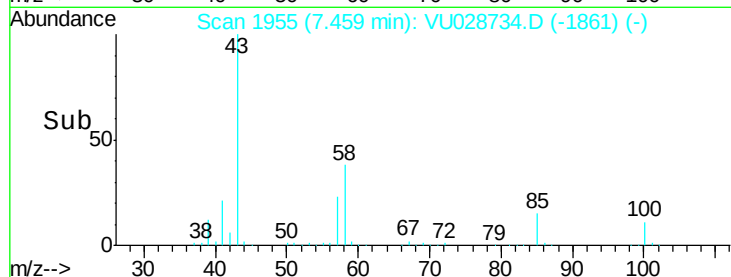
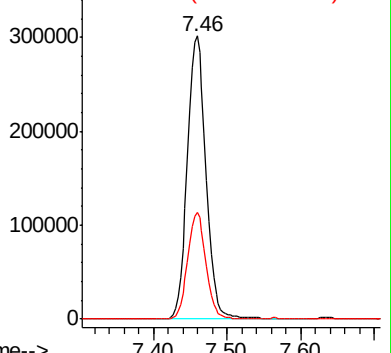
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 49.806 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028734.D

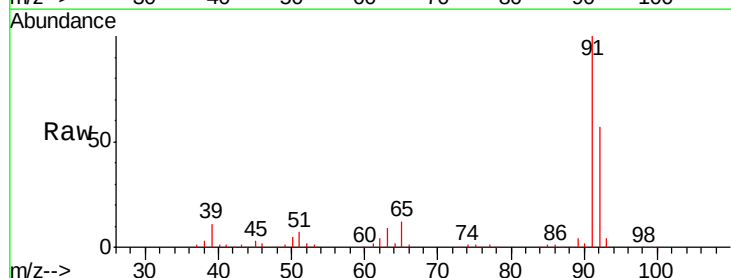
Acq: 17 Dec 2018 20:44

Tgt Ion: 92 Resp: 129119

Ion Ratio Lower Upper

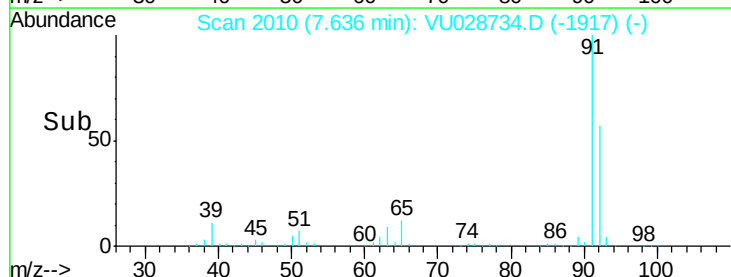
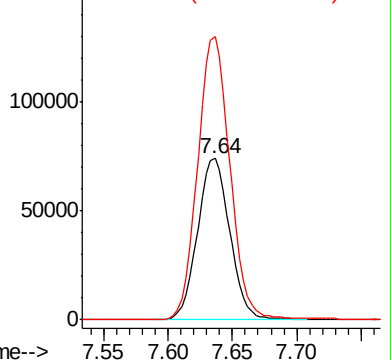
92 100

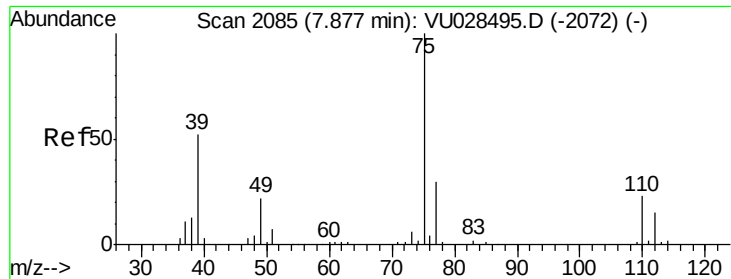
91 175.4 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





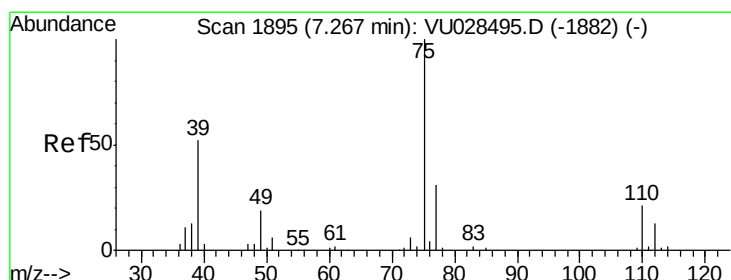
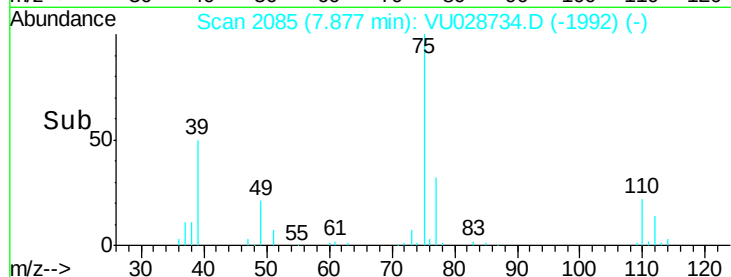
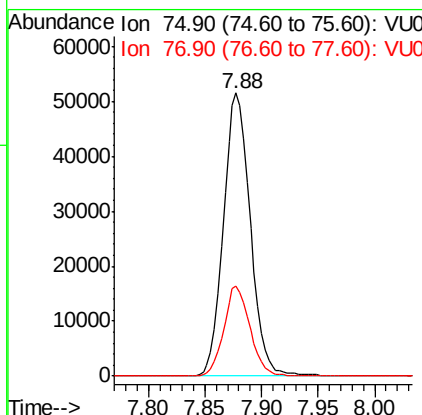
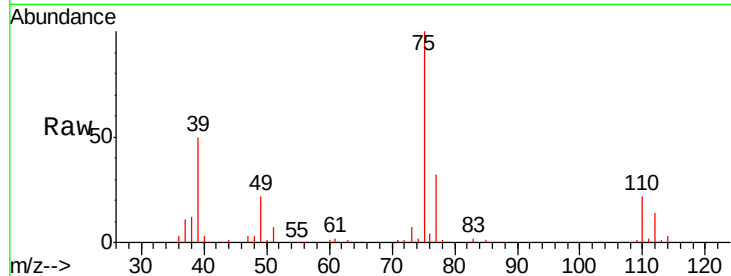
#53
 t-1,3-Dichloropropene
 Concen: 50.008 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 75 Resp: 85181
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.2 36.4

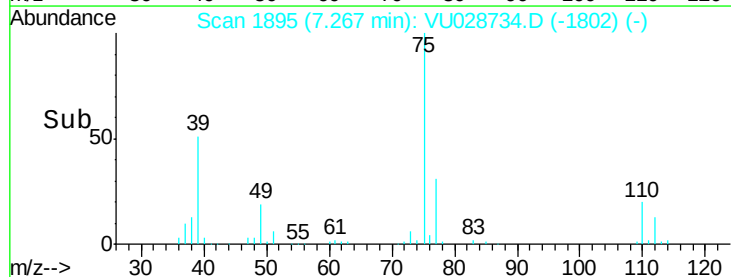
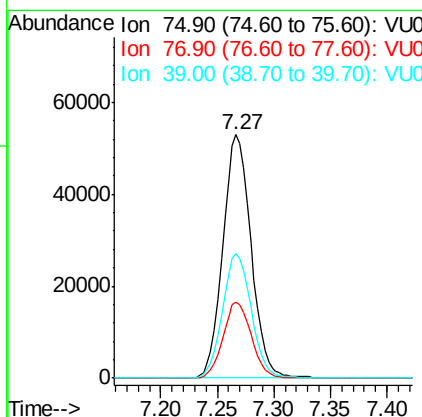
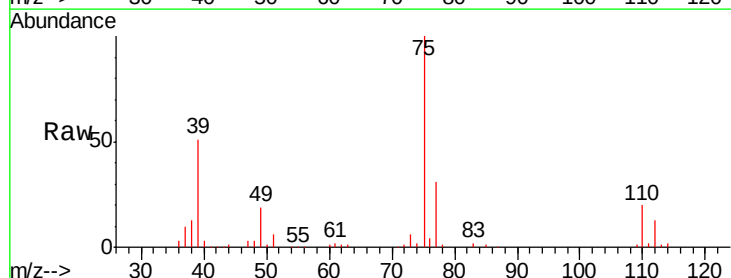
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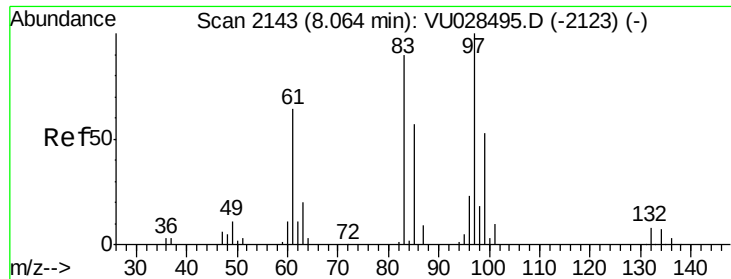
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#54
 cis-1,3-Dichloropropene
 Concen: 49.799 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion: 75 Resp: 92030
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.0 37.4
 39 51.0 41.3 61.9





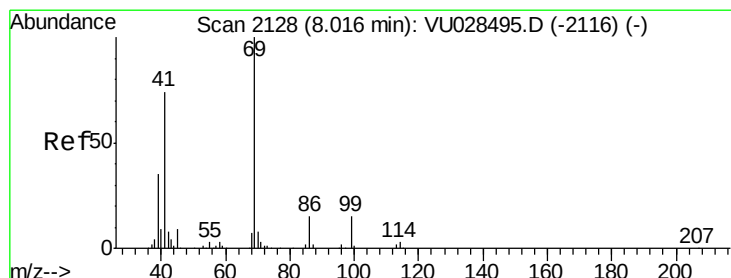
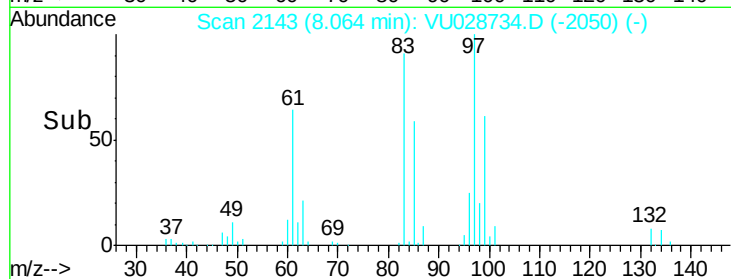
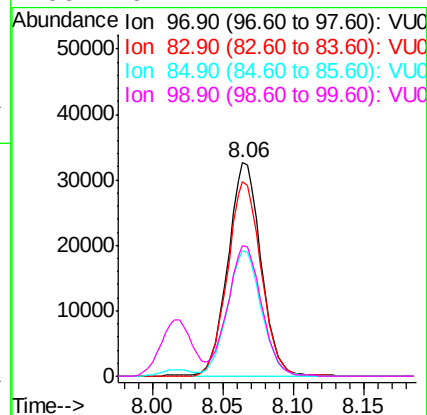
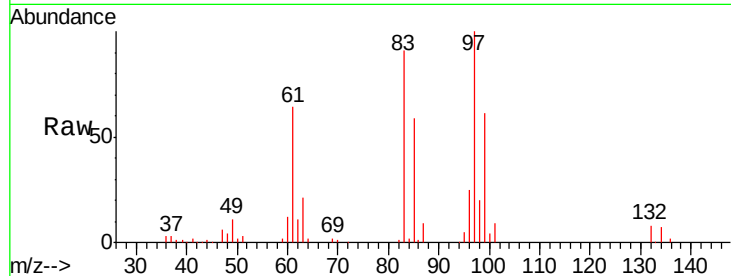
#55
 1,1,2-Trichloroethane
 Concen: 52.189 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	53481
Ion	Ratio	Lower	Upper
97	100		
83	90.8	72.4	108.6
85	58.7	46.0	69.0
99	61.2	47.4	71.2

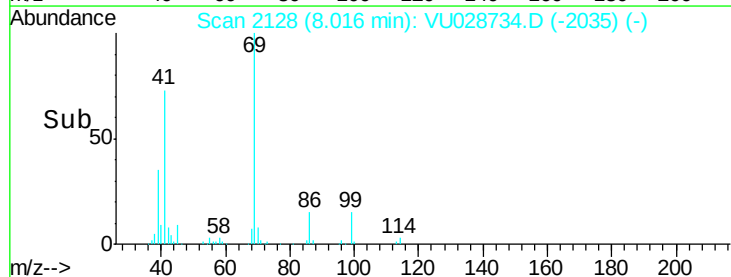
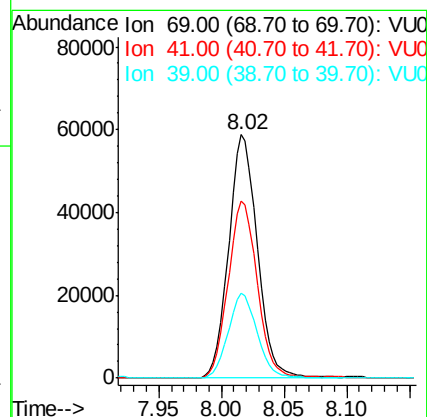
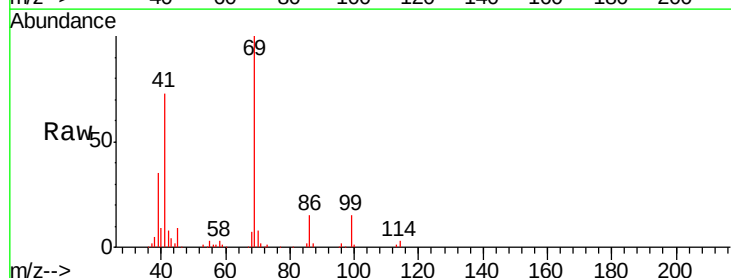
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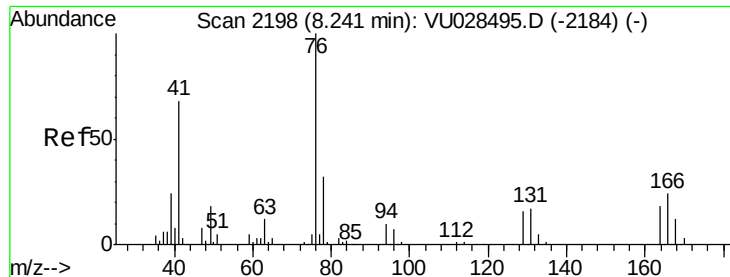
MMDadoda
 12/18/2018 11:31:17 AM



#56
 Ethyl methacrylate
 Concen: 53.339 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion:	69	Resp:	93602
Ion	Ratio	Lower	Upper
69	100		
41	73.6	59.1	88.7
39	35.3	28.4	42.6





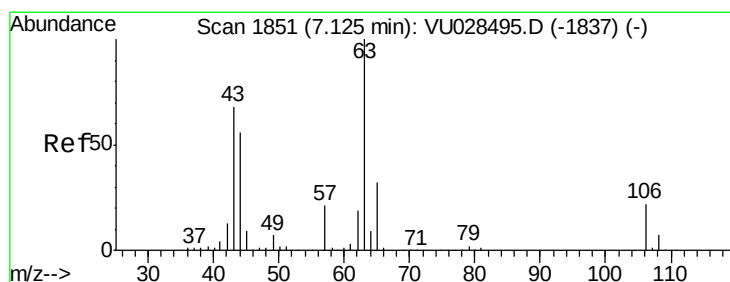
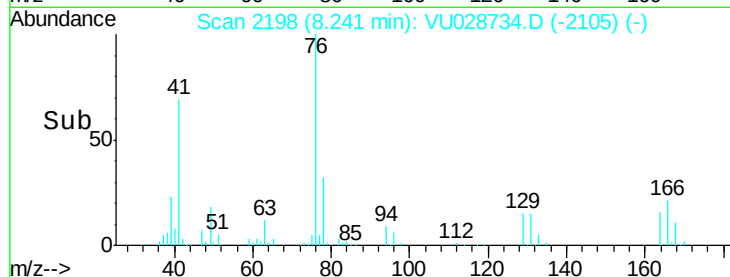
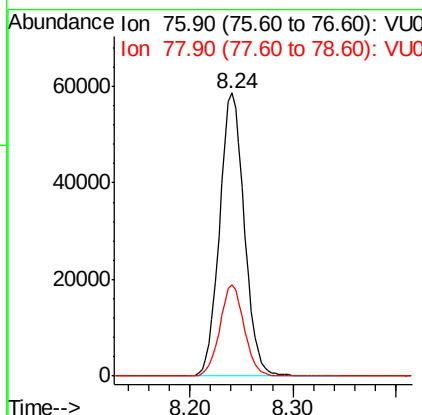
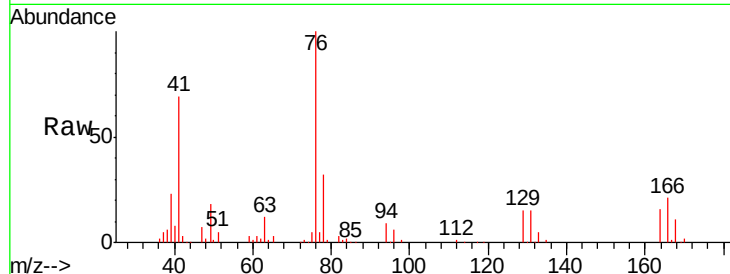
#57
 1,3-Dichloropropane
 Concen: 51.424 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 97822
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.2 37.8

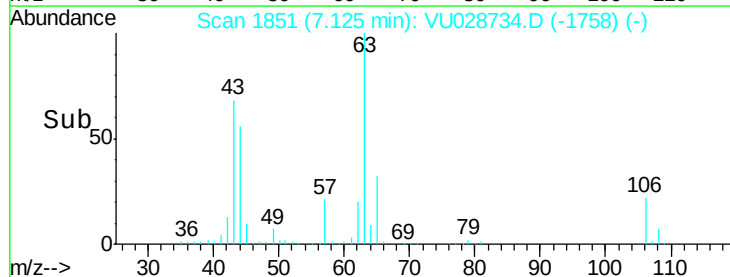
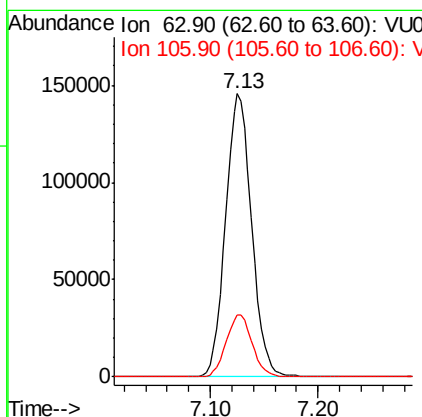
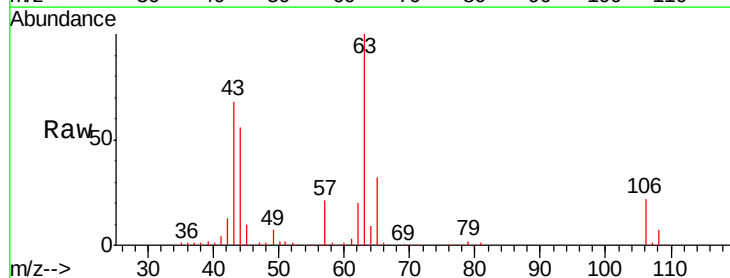
Manual Integrations
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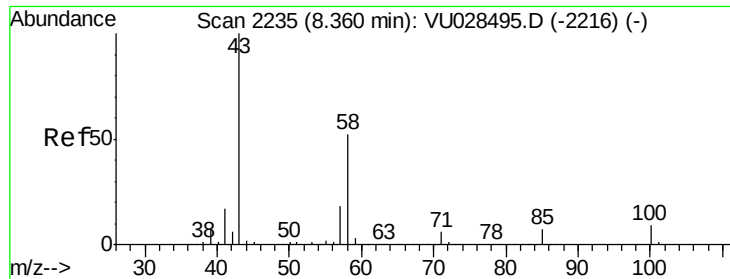
MMDadoda
 12/18/2018 11:31:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 272.798 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion: 63 Resp: 245203
 Ion Ratio Lower Upper
 63 100
 106 22.0 17.8 26.6





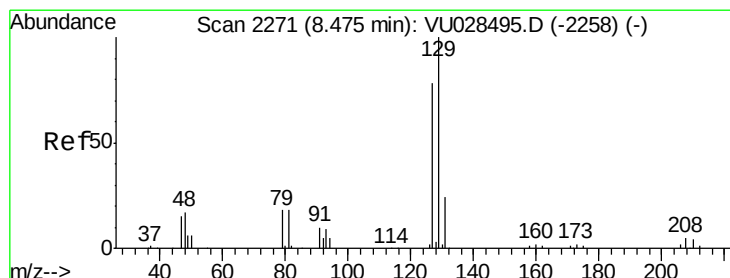
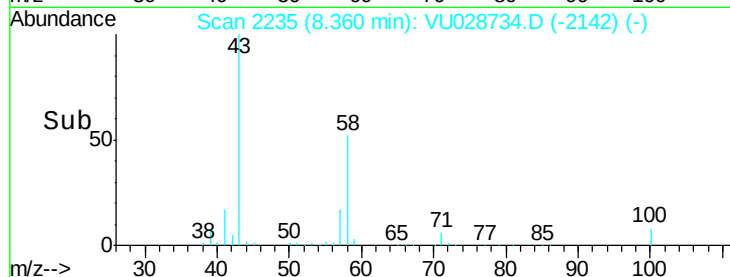
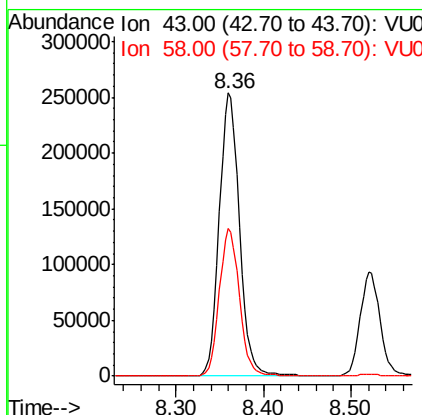
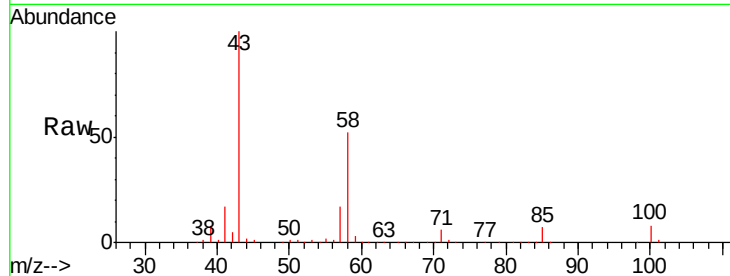
#59
2-Hexanone
Concen: 266.366 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 407209
Ion Ratio Lower Upper
43 100
58 52.1 25.9 77.6

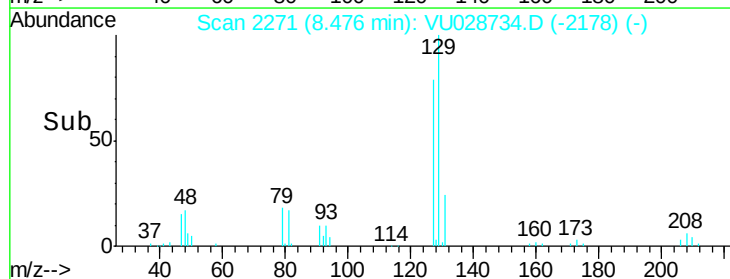
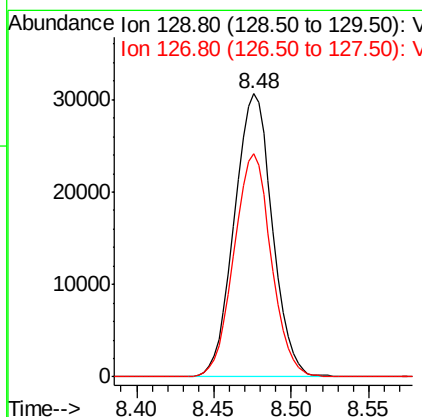
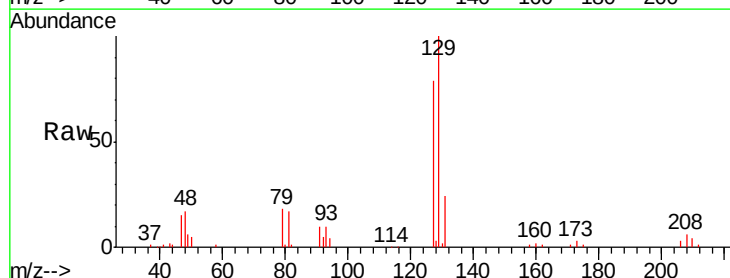
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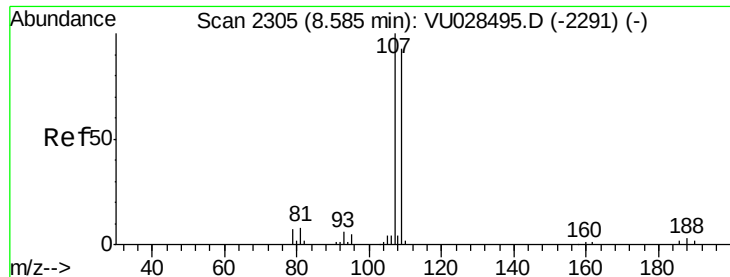
MMDadoda
12/18/2018 11:31:17 AM



#60
Dibromochloromethane
Concen: 52.020 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion: 129 Resp: 52192
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 52.828 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 56771

Ion Ratio Lower Upper

107 100

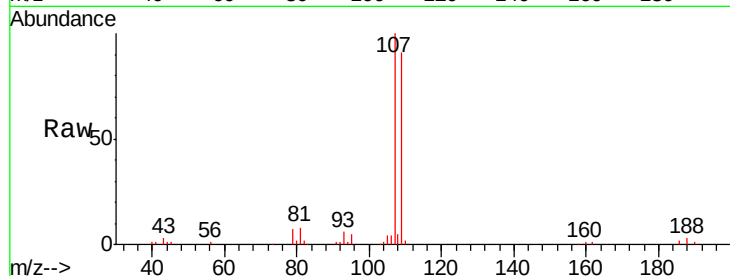
109 92.9 74.5 111.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

40000

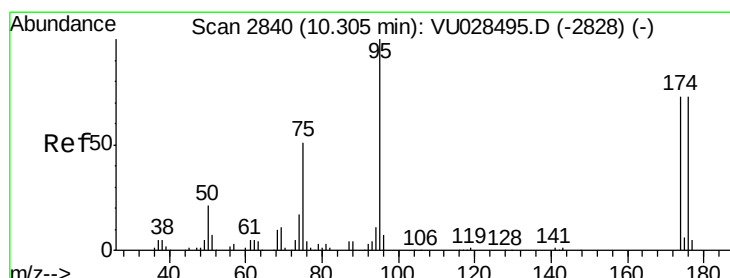
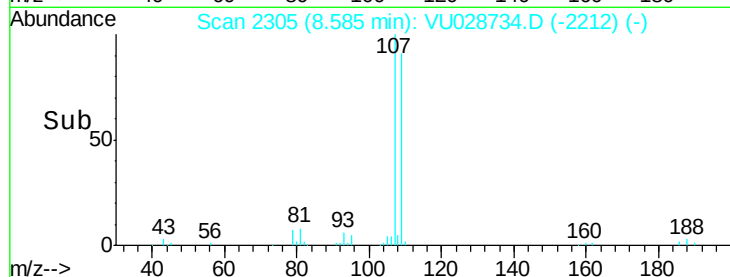
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.284 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

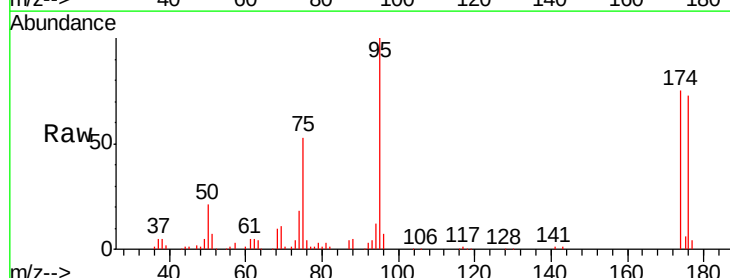
Tgt Ion: 95 Resp: 66491

Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.4

176 74.1 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

50000

40000

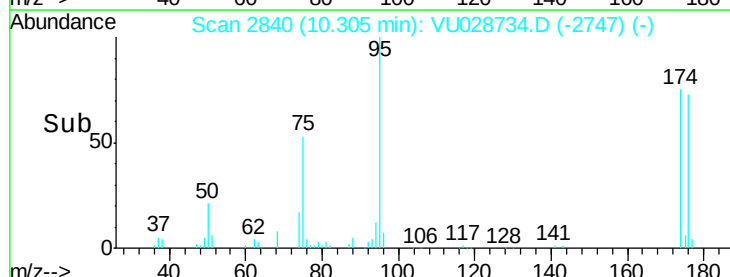
30000

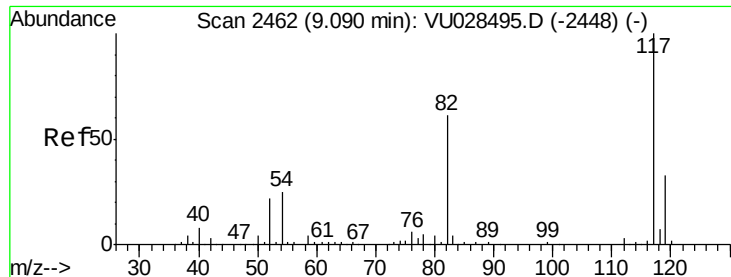
20000

10000

0

Time-->





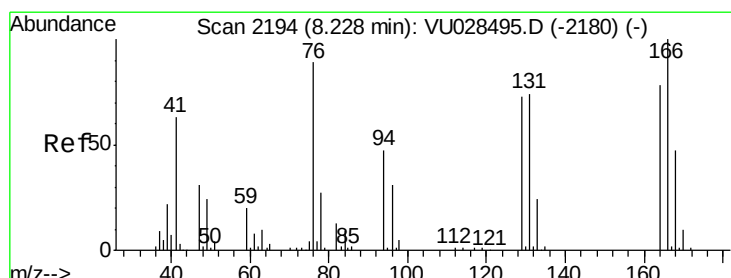
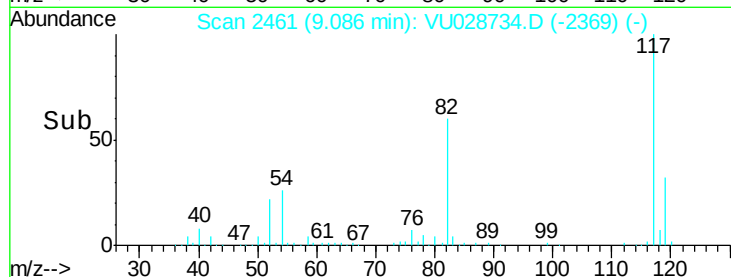
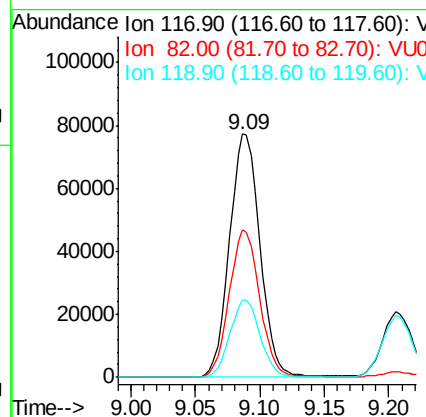
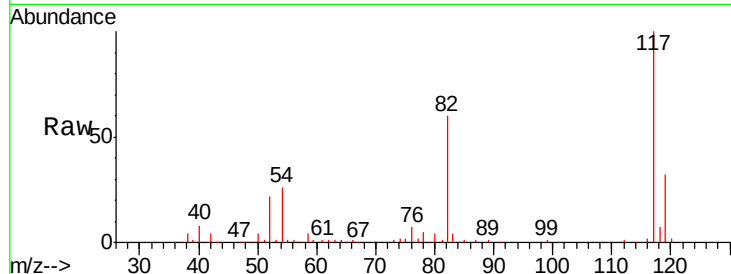
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.5	48.9	73.3
119	31.9	26.2	39.4

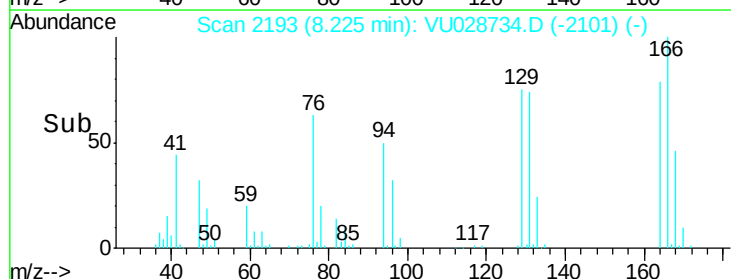
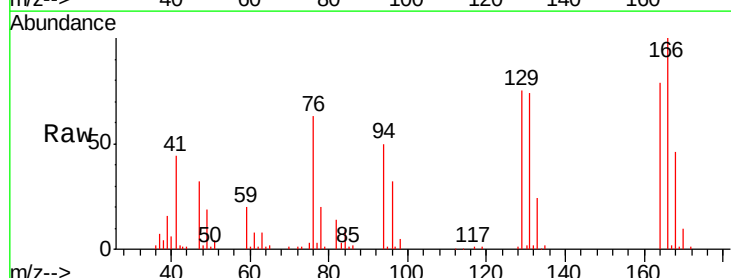
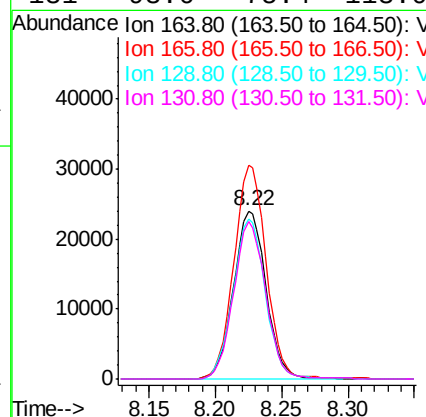
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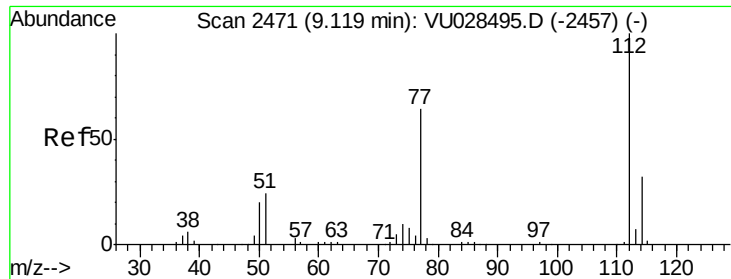
MMDadoda
12/18/2018 11:31:17 AM



#64
Tetrachloroethene
Concen: 48.114 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.9	152.9
129	95.4	74.9	112.3
131	93.6	75.4	113.0





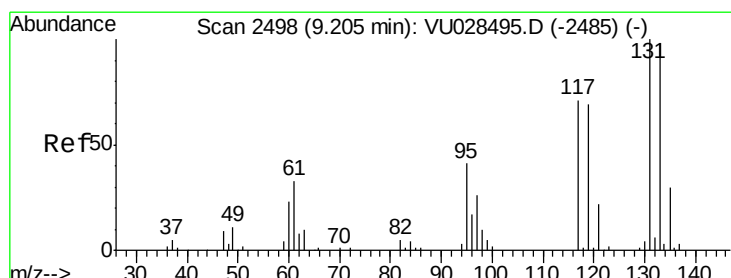
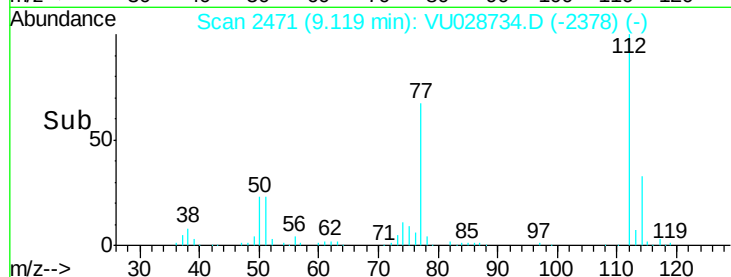
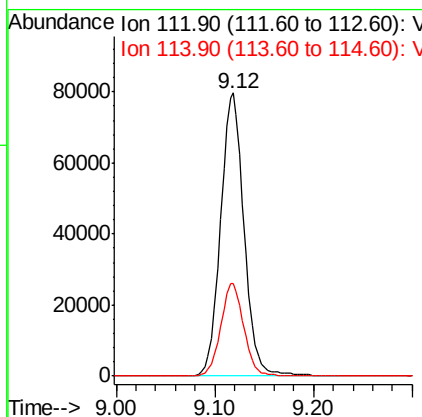
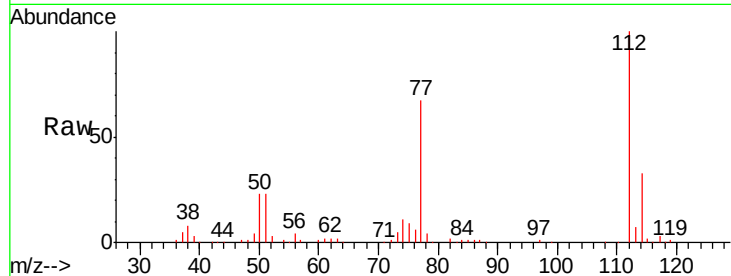
#65
Chlorobenzene
Concen: 49.149 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 133096
Ion Ratio Lower Upper
112 100
114 32.8 25.3 37.9

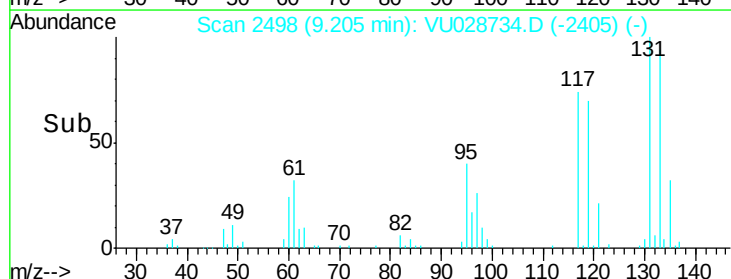
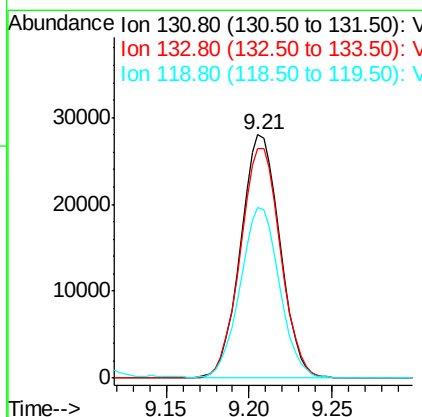
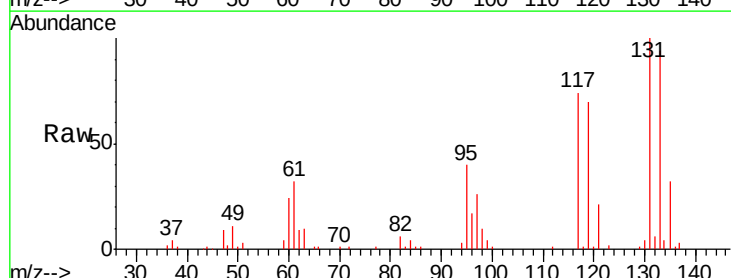
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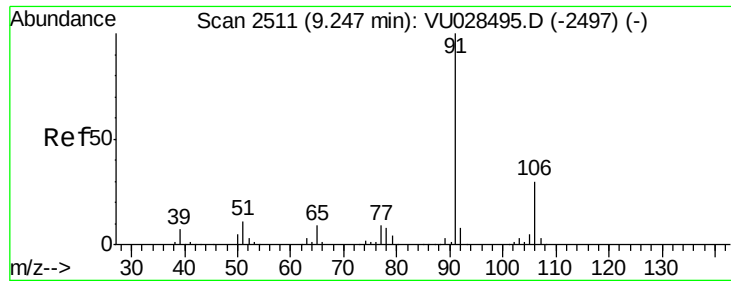
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.298 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion:131 Resp: 46090
Ion Ratio Lower Upper
131 100
133 96.7 48.0 144.0
119 70.2 34.6 103.9





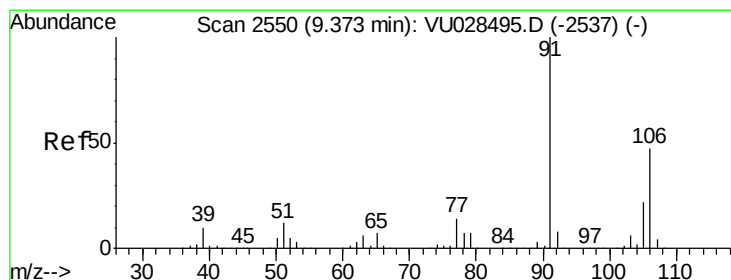
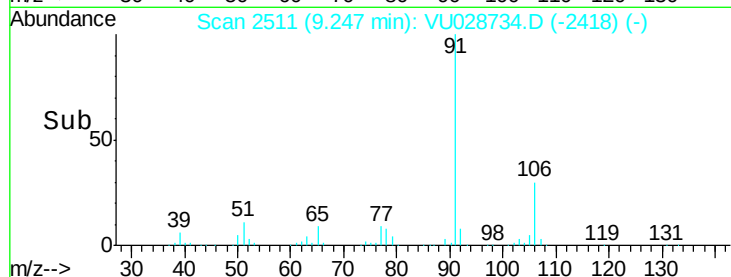
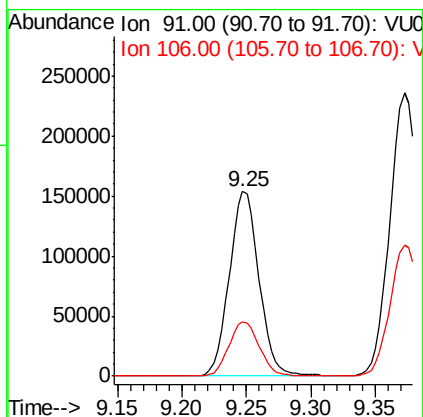
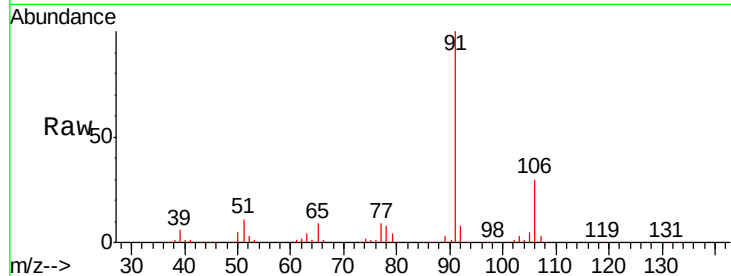
#67
Ethyl Benzene
Concen: 49.494 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 246389
Ion Ratio Lower Upper
91 100
106 29.6 24.1 36.1

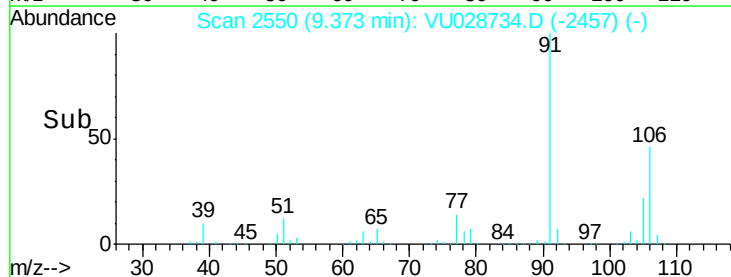
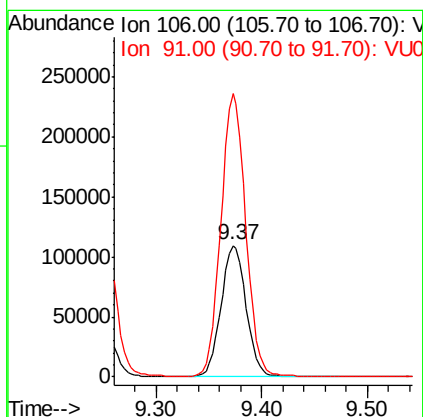
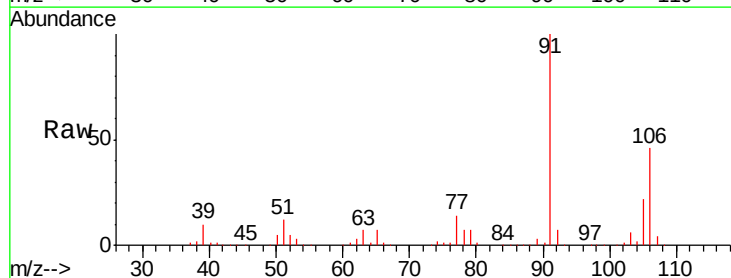
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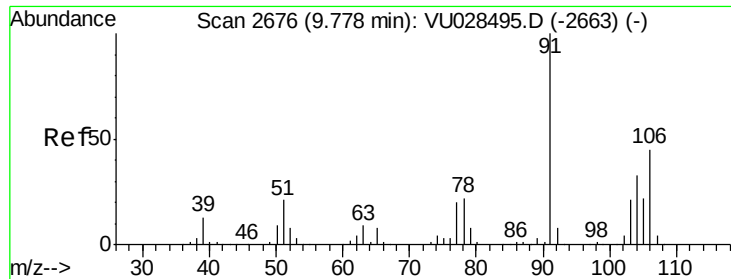
MMDadoda
12/18/2018 11:31:17 AM



#68
m/p-Xylenes
Concen: 99.667 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion: 106 Resp: 180541
Ion Ratio Lower Upper
106 100
91 212.7 167.4 251.0





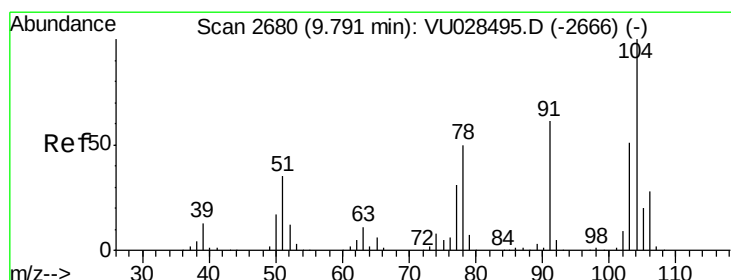
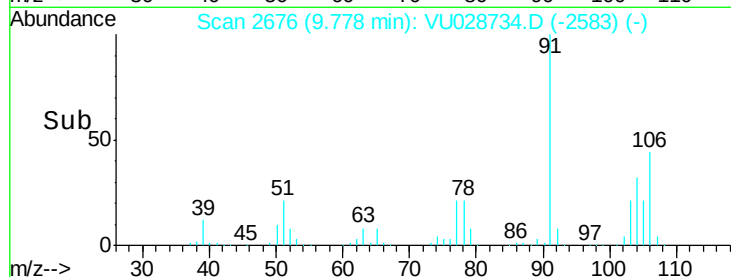
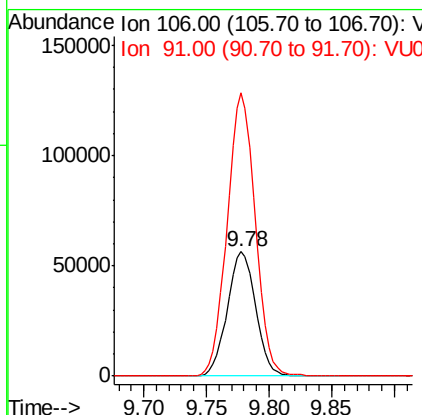
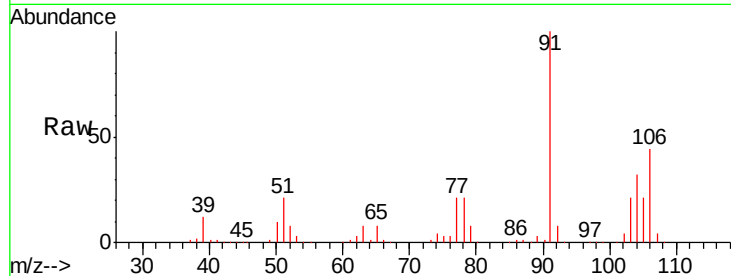
#69
o-Xylene
Concen: 50.466 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 88838
Ion Ratio Lower Upper
106 100
91 224.2 111.3 334.0

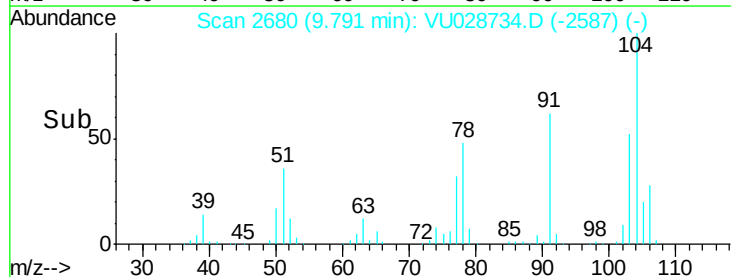
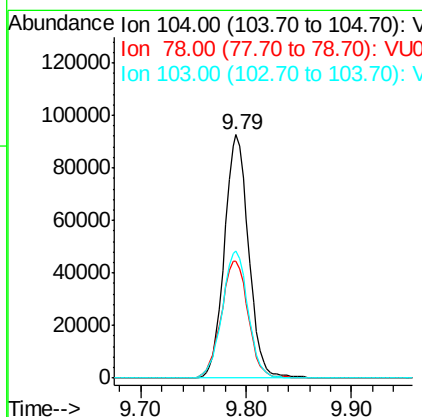
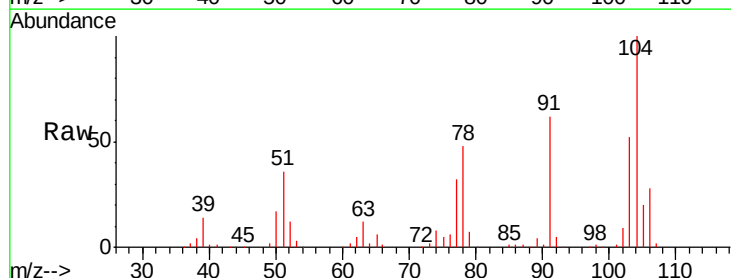
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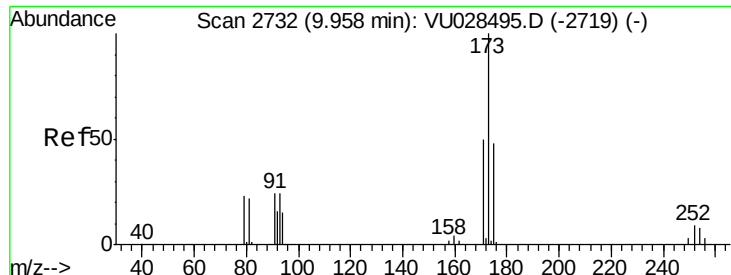
MMDadoda
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#70
Styrene
Concen: 50.498 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion:104 Resp: 147114
Ion Ratio Lower Upper
104 100
78 53.8 43.0 64.6
103 56.0 44.2 66.4





#71

Bromoform

Concen: 55.407 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 40760

Ion Ratio Lower Upper

173 100

175 48.4 23.9 71.8

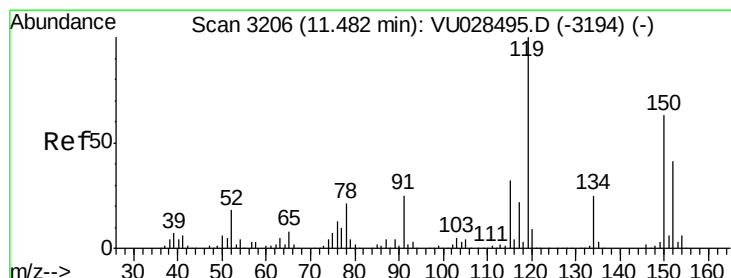
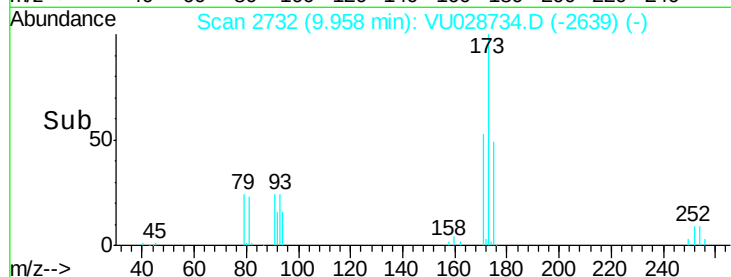
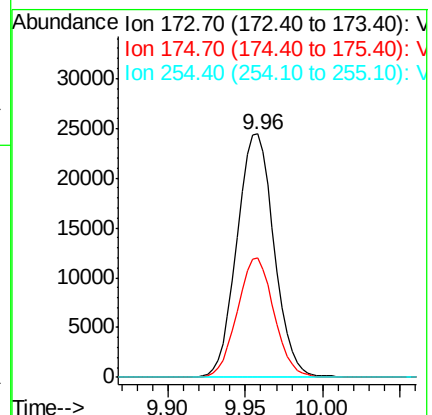
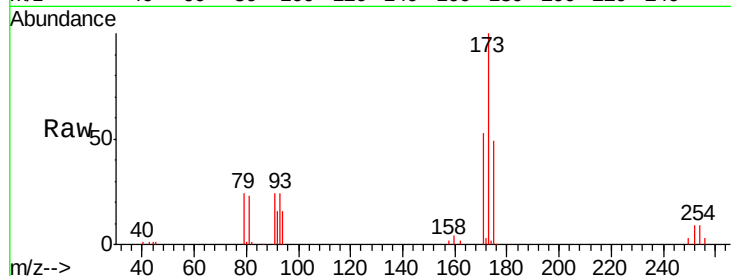
254 0.0 0.0 0.0

Manual Integrations

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

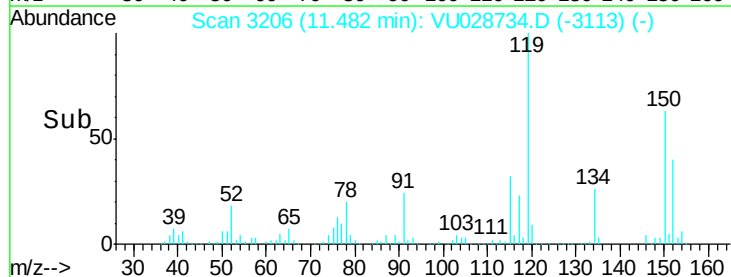
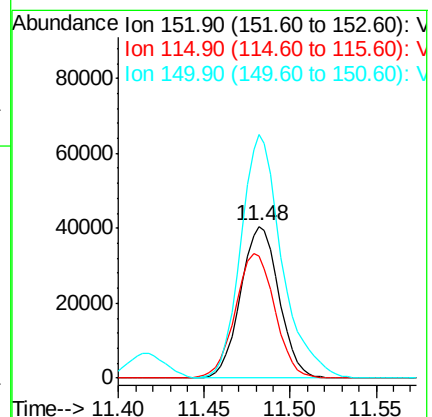
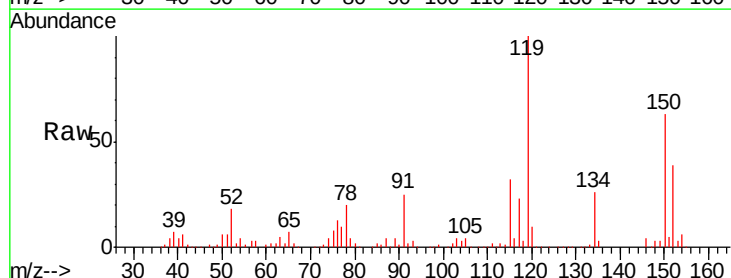
Tgt Ion:152 Resp: 62922

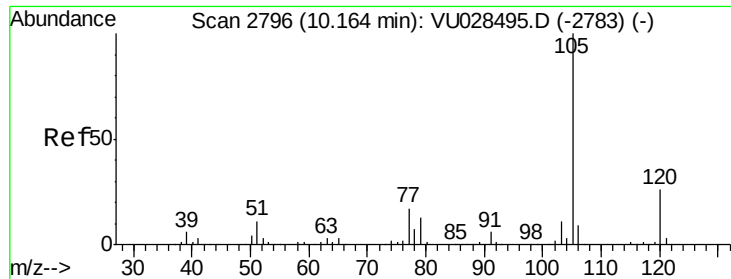
Ion Ratio Lower Upper

152 100

115 84.7 42.7 128.1

150 171.6 0.0 346.0





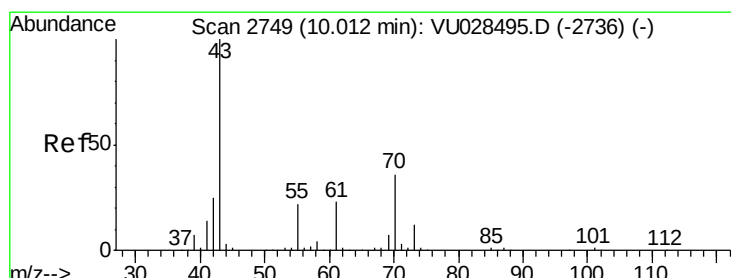
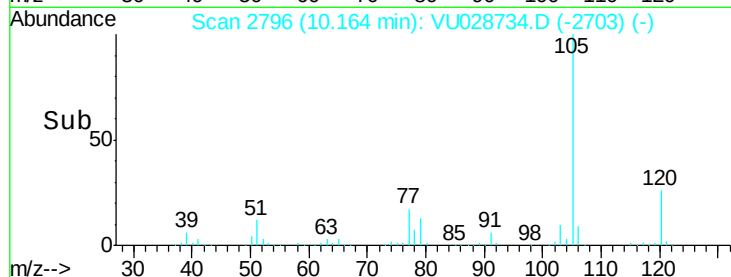
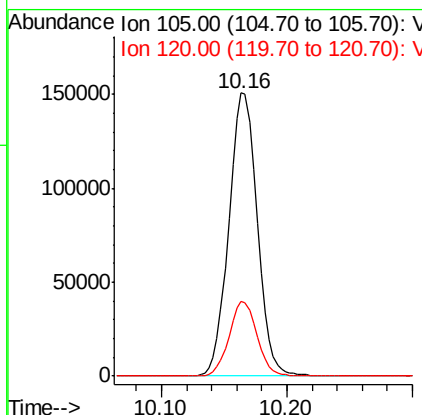
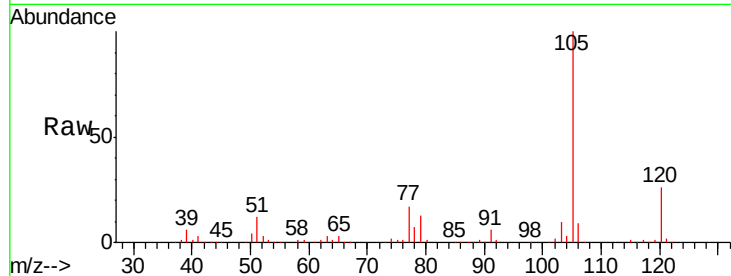
#73
Isopropylbenzene
Concen: 49.157 ug/l
RT: 10.16 min Scan# 2796
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 105 Resp: 237340
Ion Ratio Lower Upper
105 100
120 25.9 12.9 38.6

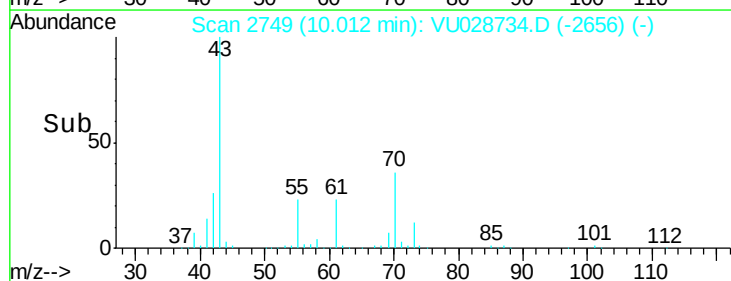
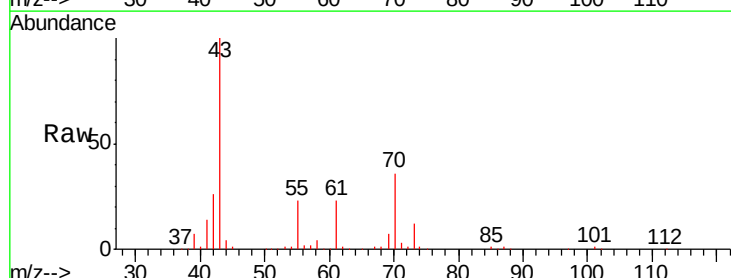
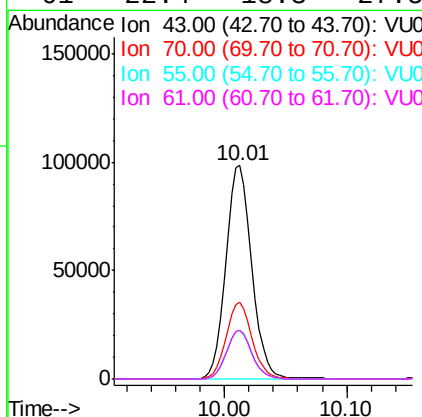
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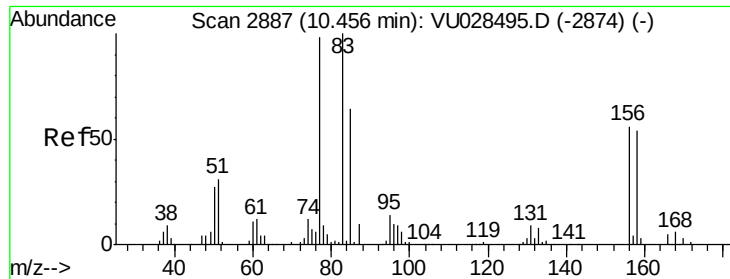
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#74
N-ethyl acetate
Concen: 52.772 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion: 43 Resp: 146974
Ion Ratio Lower Upper
43 100
70 36.1 29.3 43.9
55 22.6 18.0 27.0
61 22.4 18.3 27.5





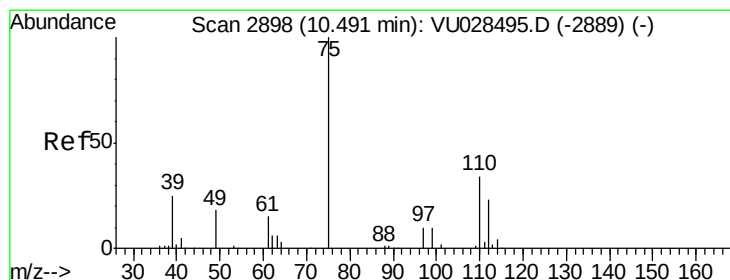
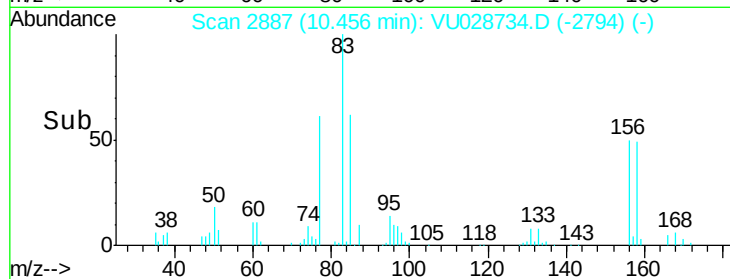
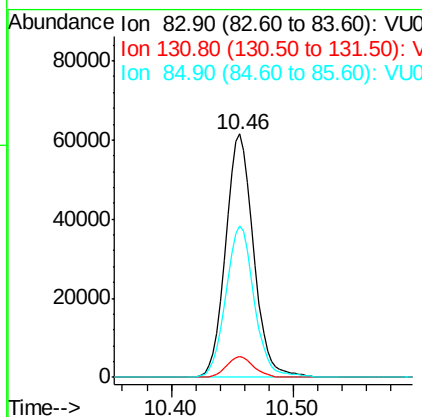
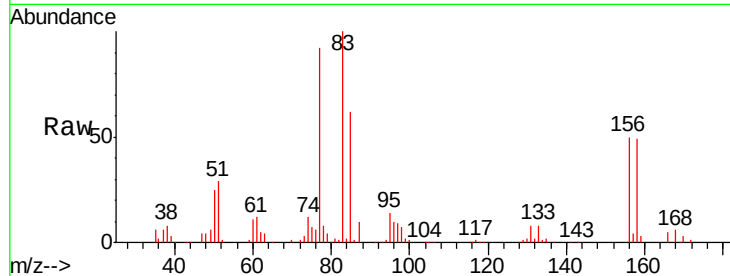
#75
 1,1,2,2-Tetrachloroethane
 Concen: 53.332 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	98916		
131	8.2	4.2	12.4	
85	63.1	31.8	95.4	

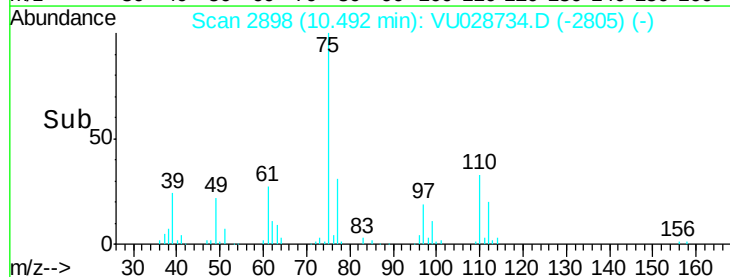
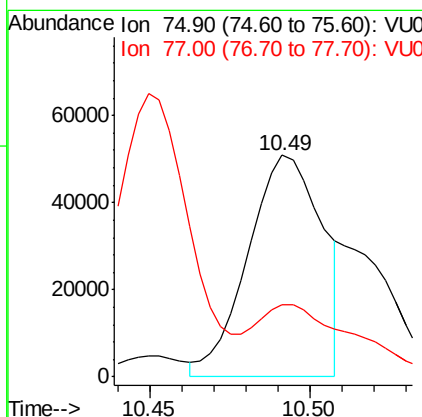
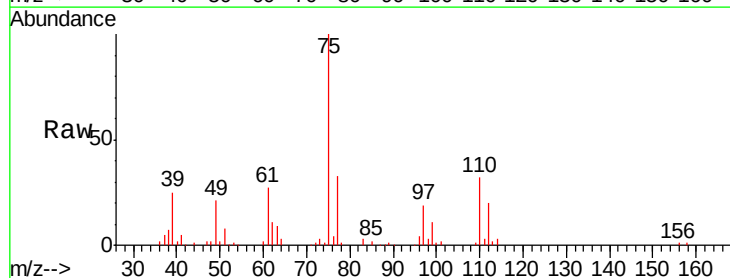
Manual Integrations
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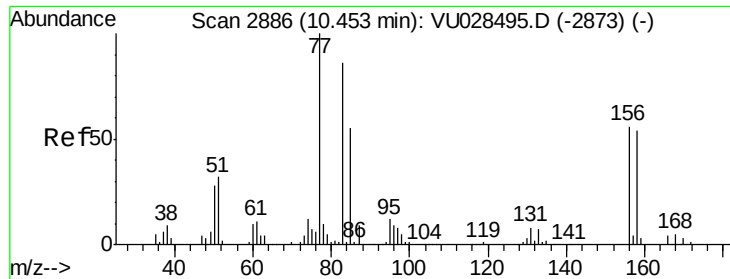
MMDadoda
 12/18/2018 11:31:17 AM



#76
 1,2,3-Trichloropropane
 Concen: 50.673 ug/l m
 RT: 10.49 min Scan# 2898
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81417		
77	43.7	20.8	62.4	





#77

Bromobenzene

Concen: 49.537 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

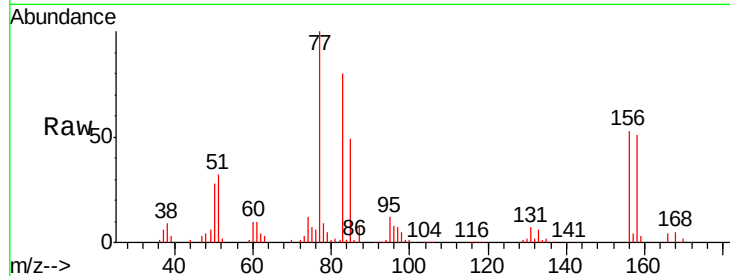
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	55937
Ion Ratio	Lower	Upper	
156	100		
77	186.3	92.4	277.2
158	95.3	48.4	145.3

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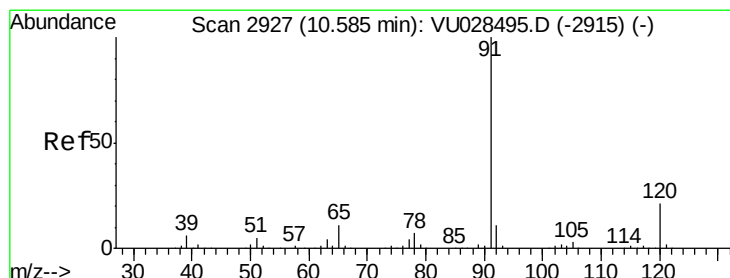
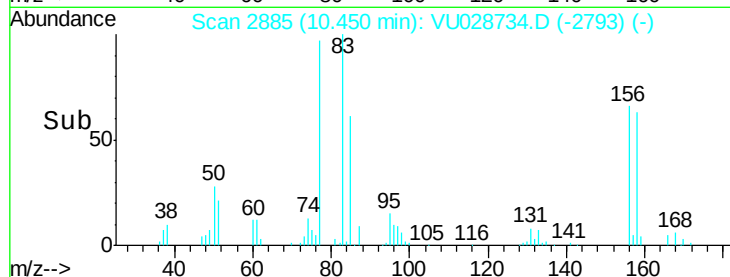
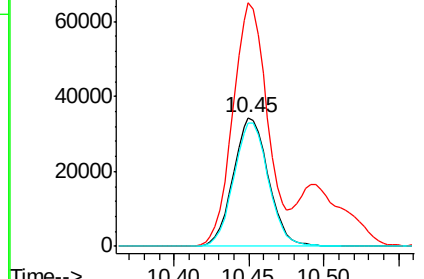
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.710 ug/l

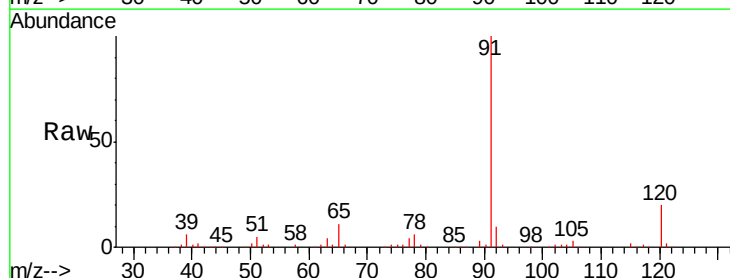
RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU028734.D

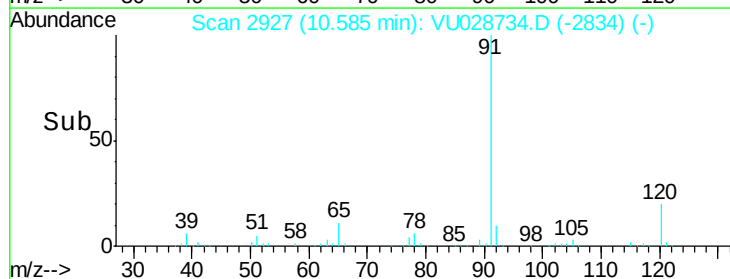
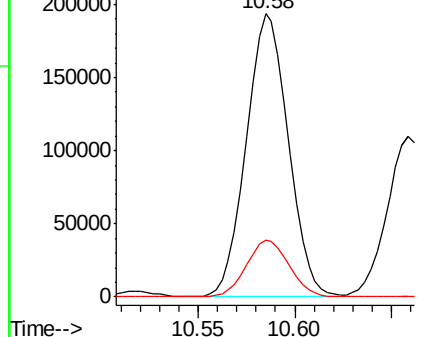
Acq: 17 Dec 2018 20:44

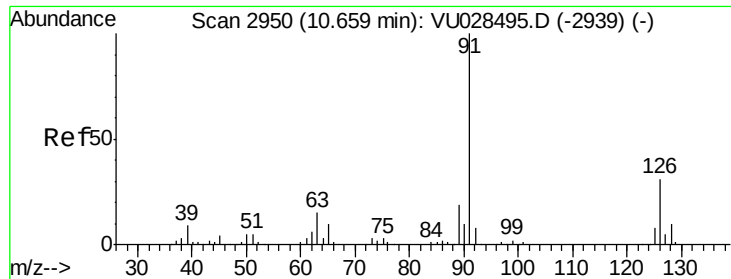
Tgt Ion:	91	Resp:	292236
Ion Ratio	Lower	Upper	
91	100		
120	20.5	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





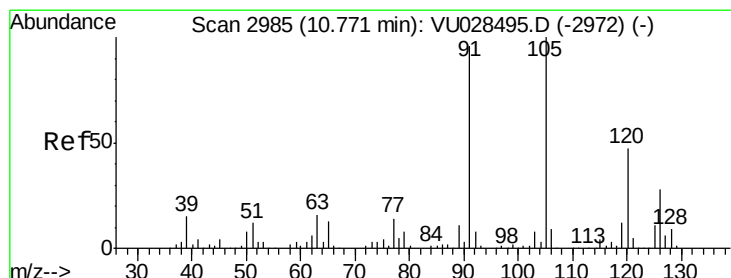
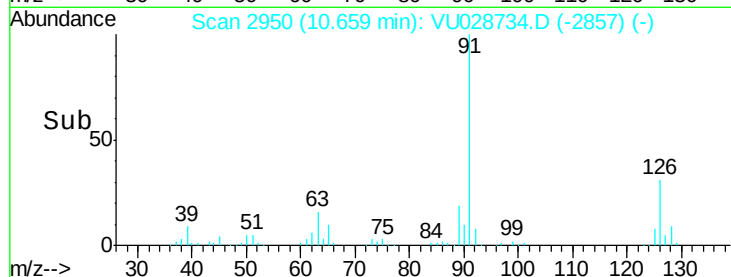
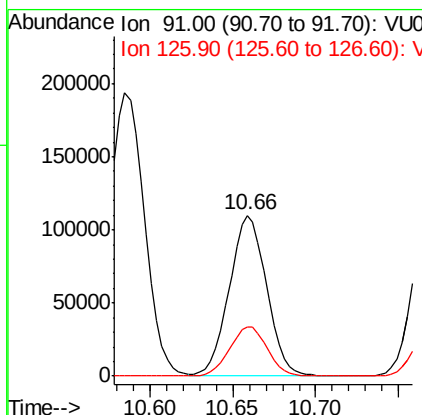
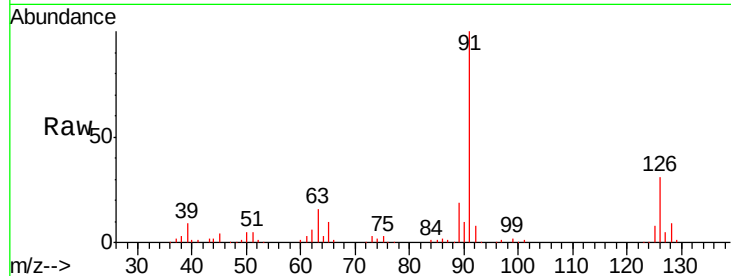
#79
 2-Chlorotoluene
 Concen: 49.326 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 91 Resp: 170465
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.6 46.8

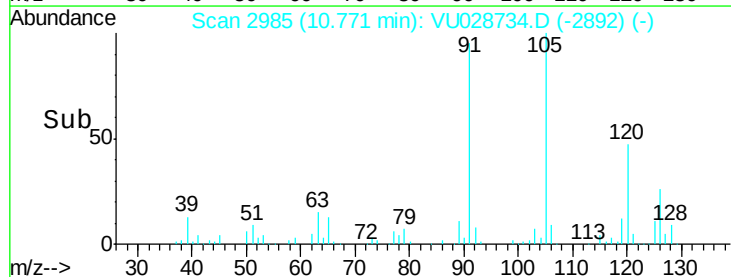
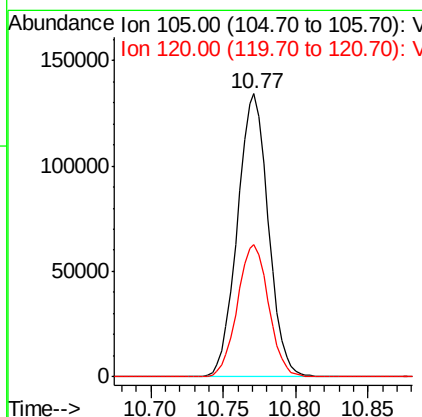
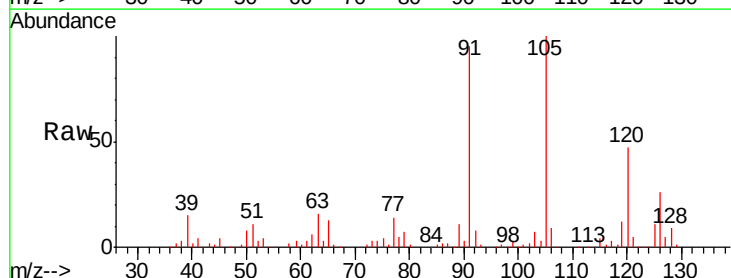
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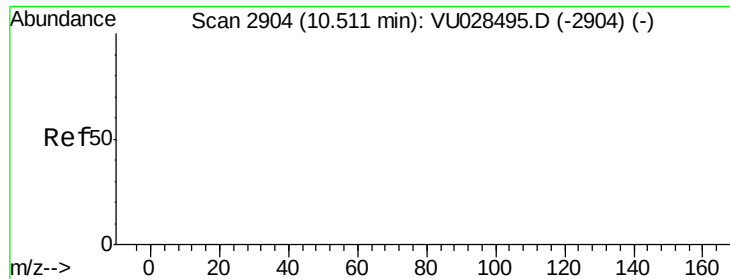
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.780 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion: 105 Resp: 198952
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 53.763 ug/l m

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

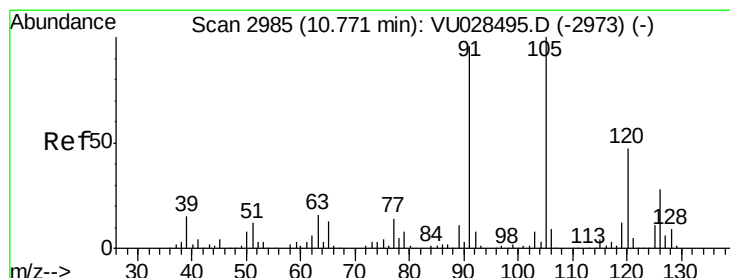
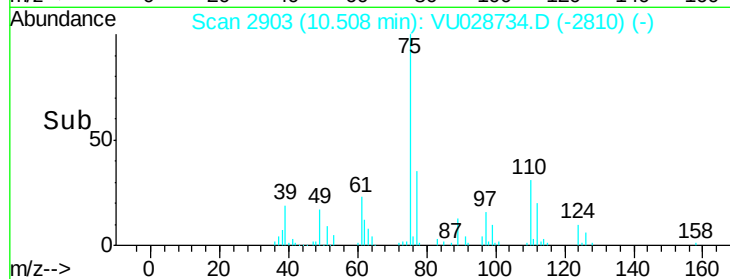
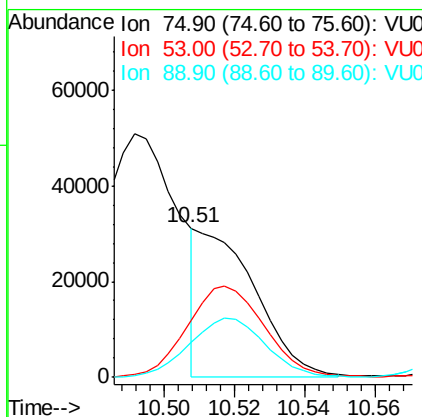
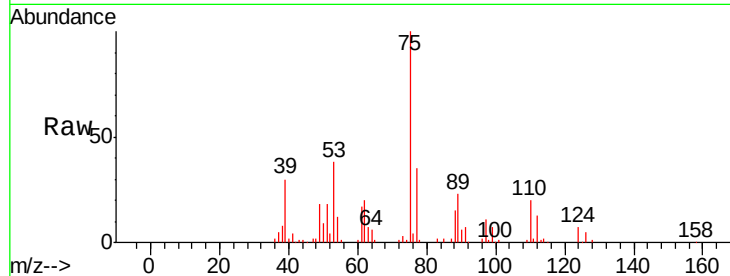
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050EC

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

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#82

4-Chlorotoluene

Concen: 47.963 ug/l

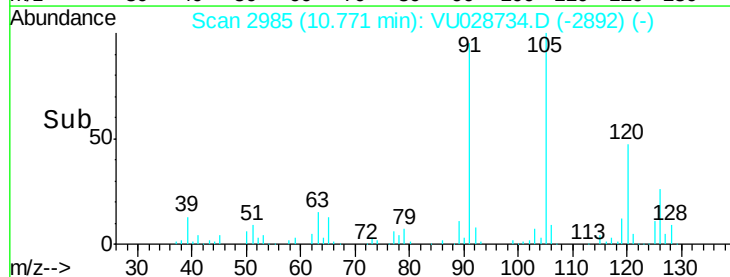
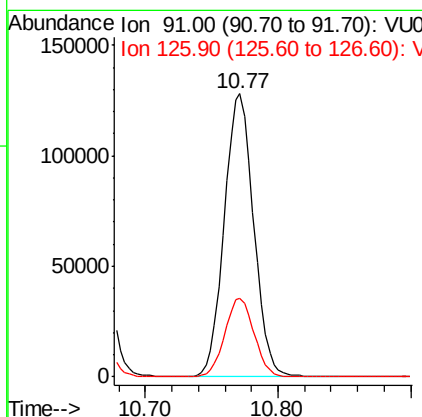
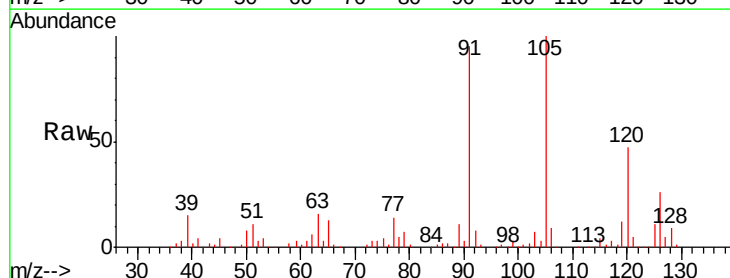
RT: 10.77 min Scan# 2985

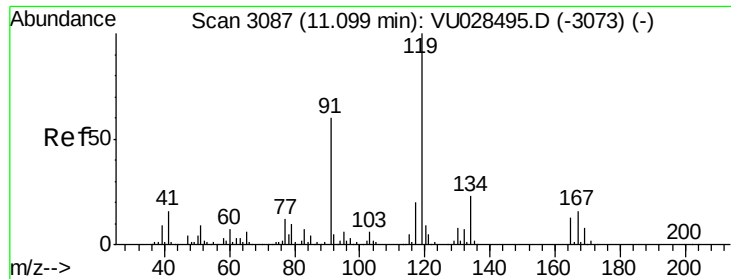
Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.1	42.3





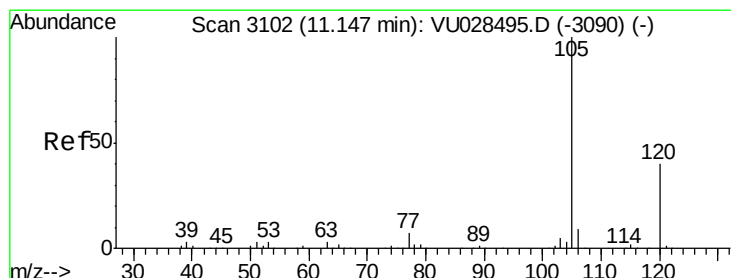
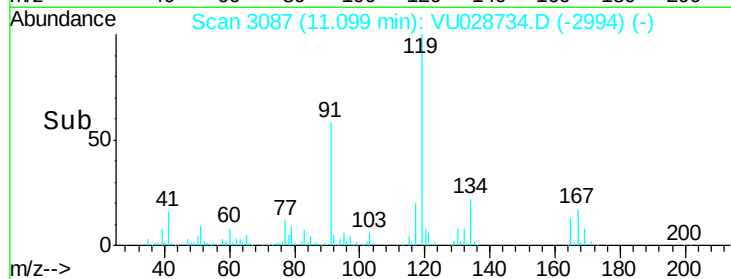
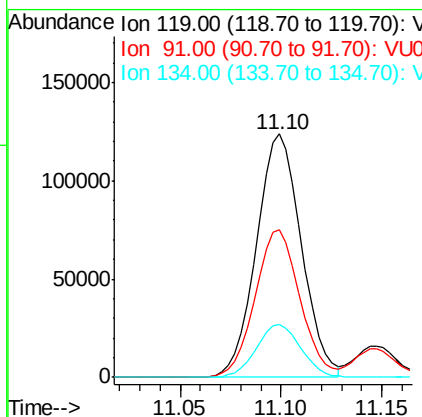
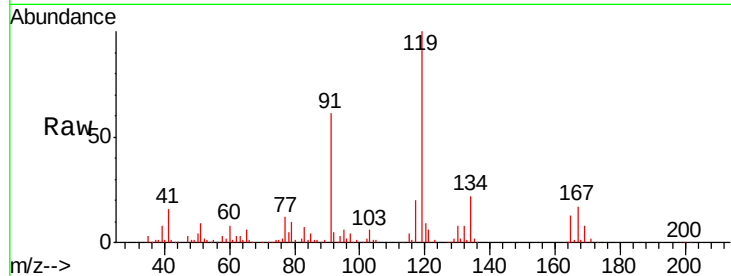
#83
 tert-Butylbenzene
 Concen: 49.949 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	192417		
91	60.5	30.3	91.0	
134	21.4	11.2	33.5	

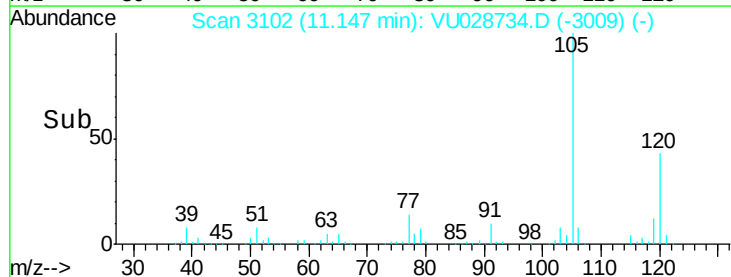
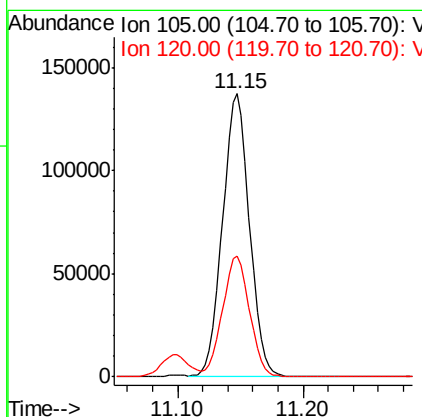
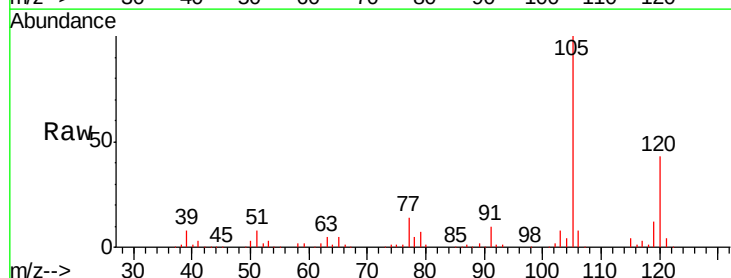
Manual Integrations
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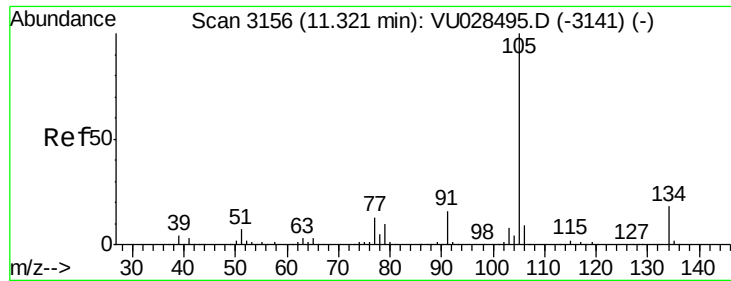
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.776 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	205024		
120	43.0	21.8	65.4	





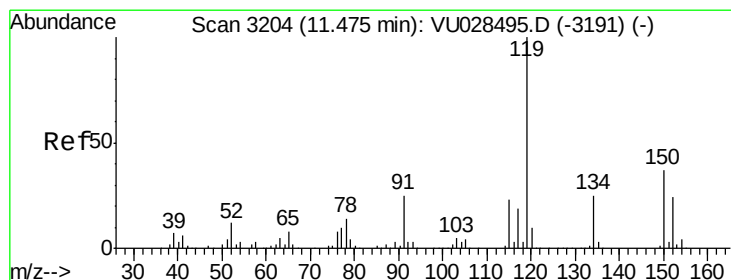
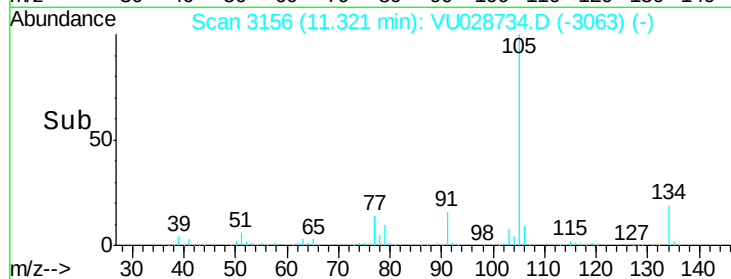
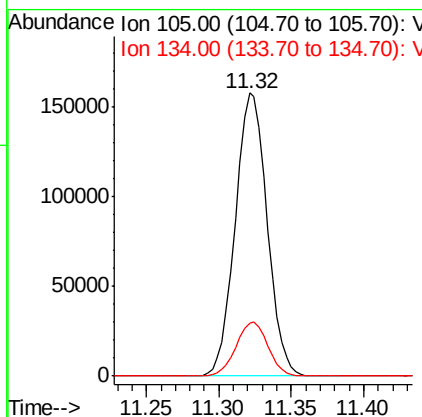
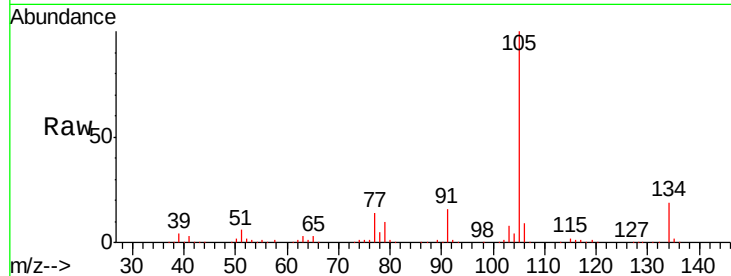
#85
 sec-Butylbenzene
 Concen: 48.705 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 241034
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.2 27.6

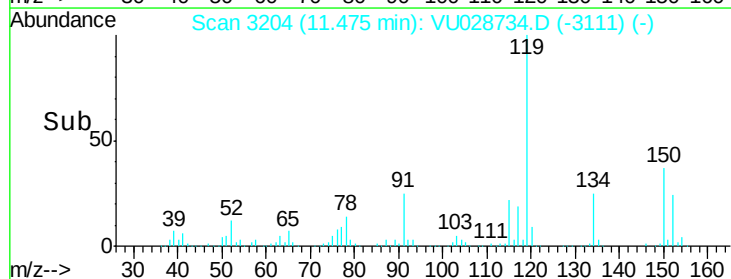
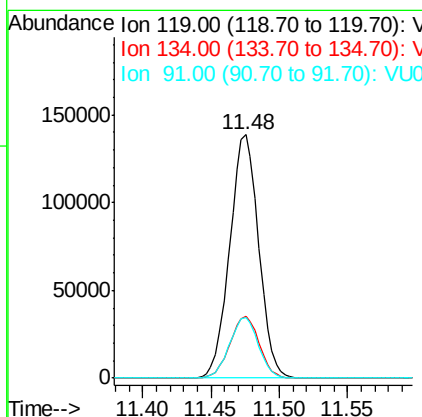
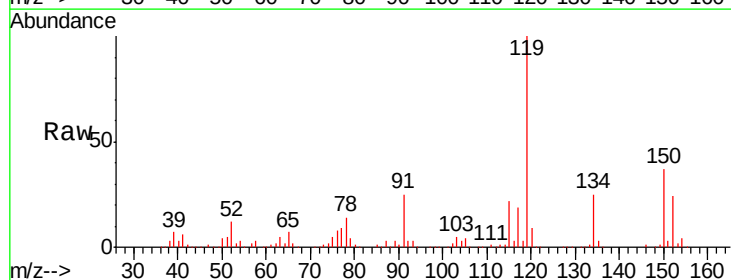
Manual Integrations
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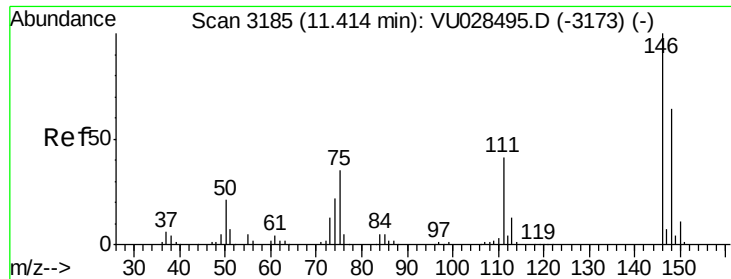
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#86
 p-Isopropyltoluene
 Concen: 48.622 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion:119 Resp: 204402
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.7 38.1
 91 24.9 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 47.848 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

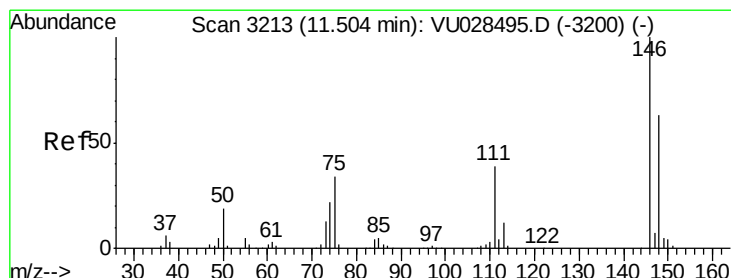
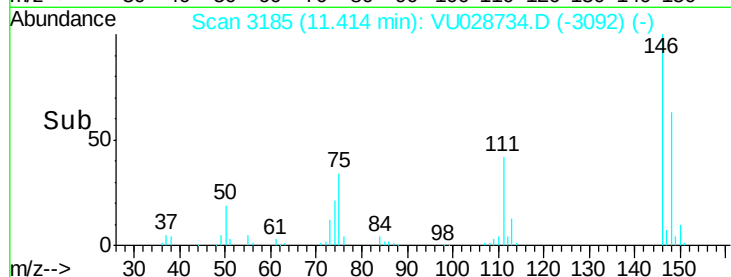
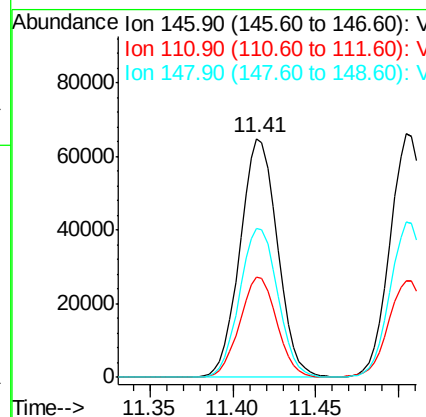
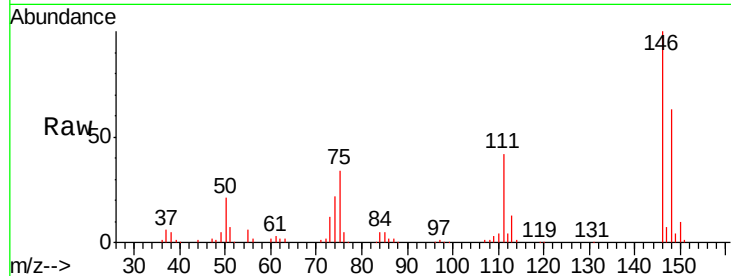
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	102023
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.7	62.1
148	63.8	31.9	95.7

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#88

1,4-Dichlorobenzene

Concen: 46.763 ug/l

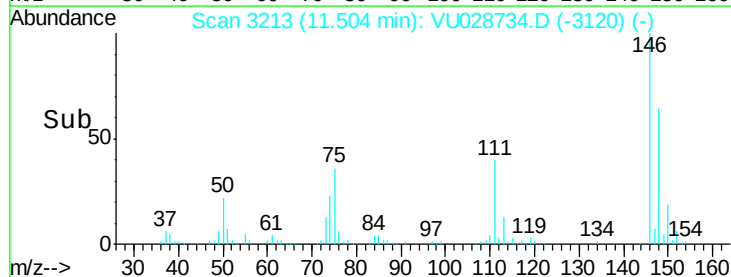
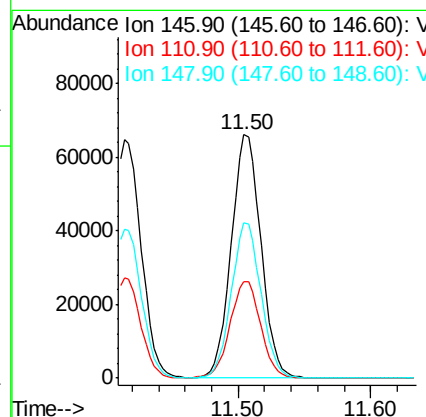
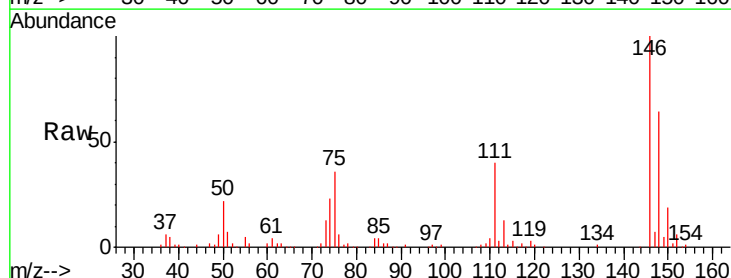
RT: 11.50 min Scan# 3213

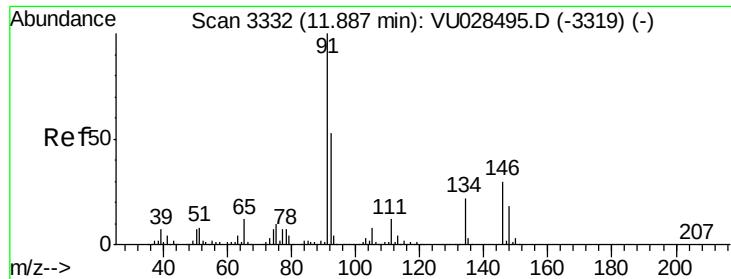
Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Tgt Ion:	146	Resp:	103161
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.2	60.5
148	63.7	31.6	95.0





#89

n-Butylbenzene

Concen: 46.631 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

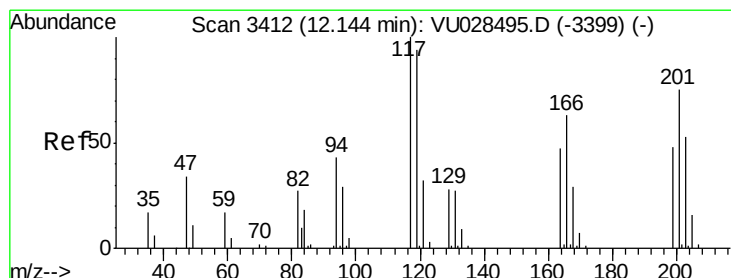
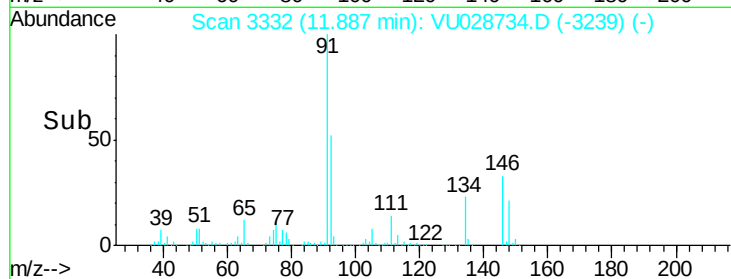
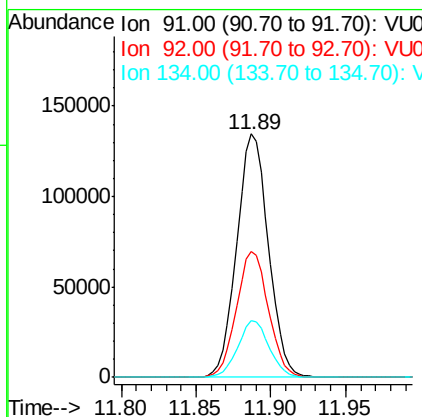
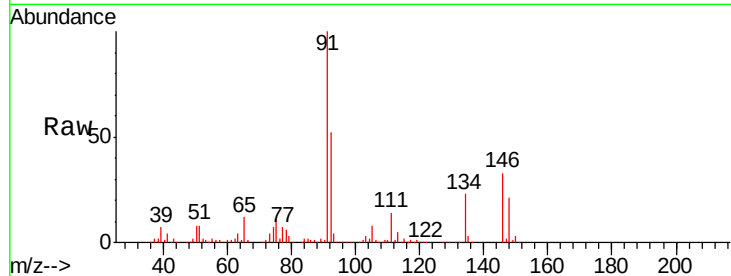
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	91	Resp:	198391
Ion Ratio		Lower	Upper
91	100		
92	52.3	26.3	78.9
134	23.0	11.3	33.8

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#90

Hexachloroethane

Concen: 52.872 ug/l

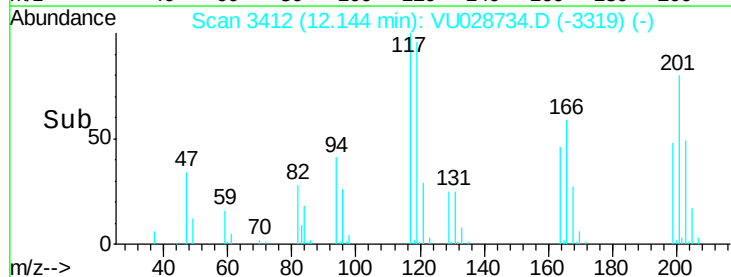
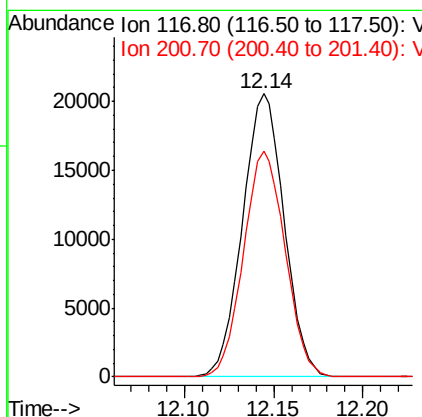
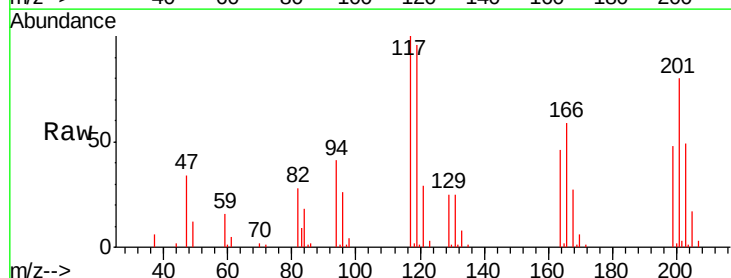
RT: 12.14 min Scan# 3412

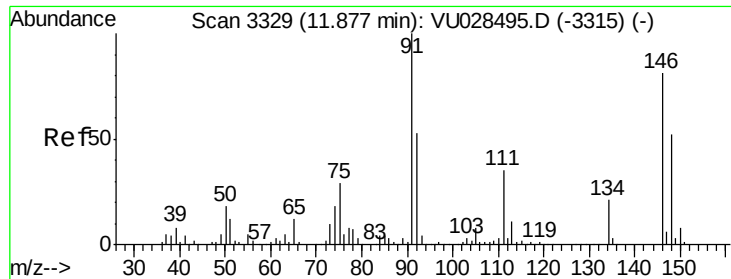
Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Tgt Ion:	117	Resp:	33595
Ion Ratio		Lower	Upper
117	100		
201	79.8	38.1	114.5





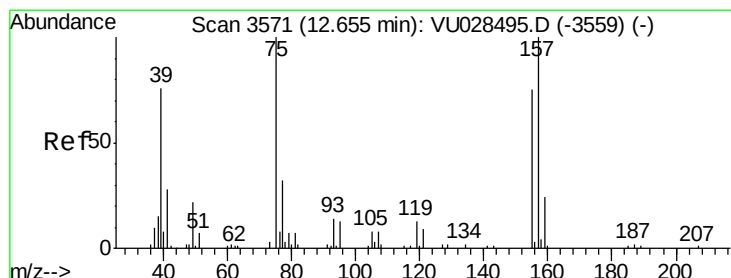
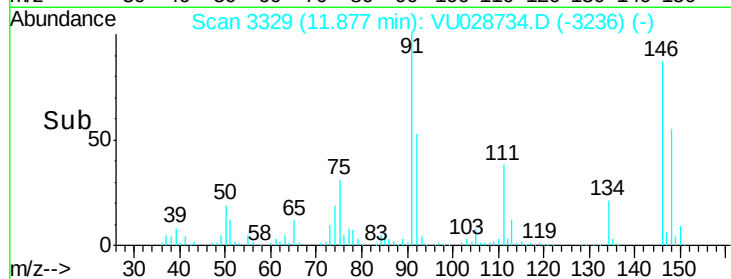
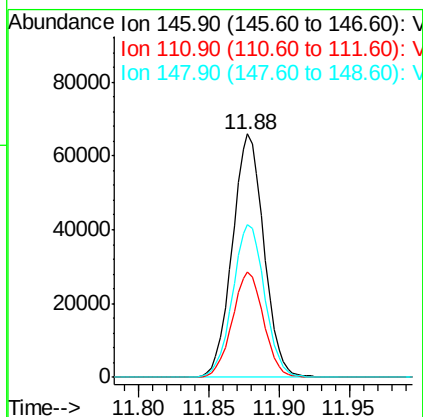
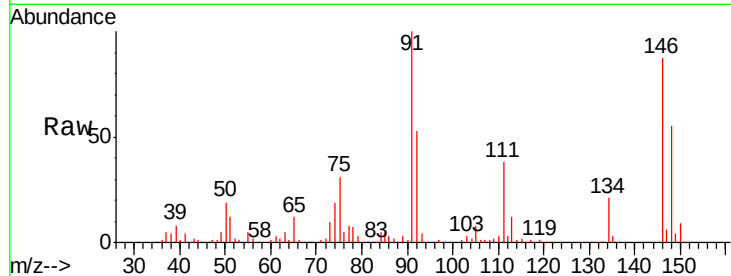
#91
 1,2-Dichlorobenzene
 Concen: 48.527 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	63.6	31.4	94.2

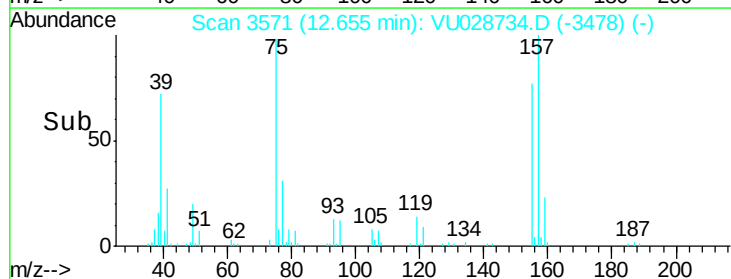
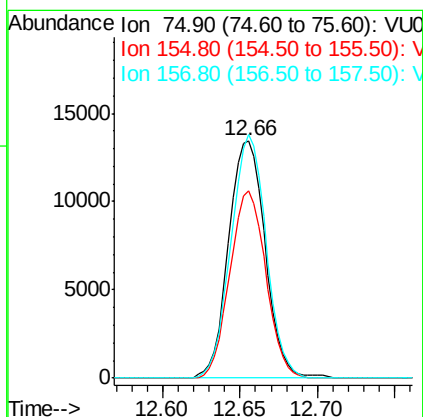
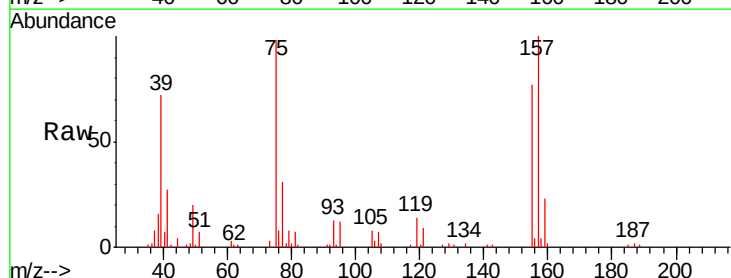
Manual Integrations
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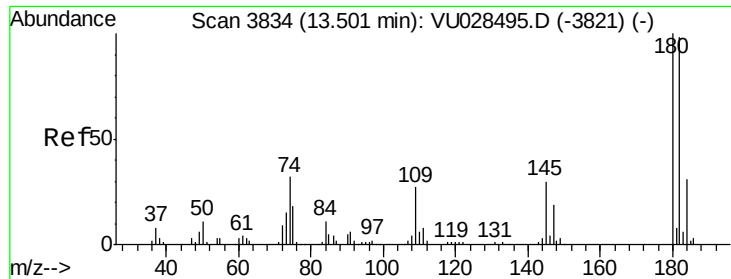
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.032 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	38.1	114.5
157	98.6	48.7	146.1





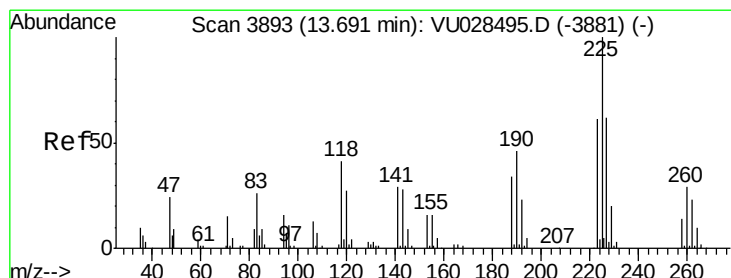
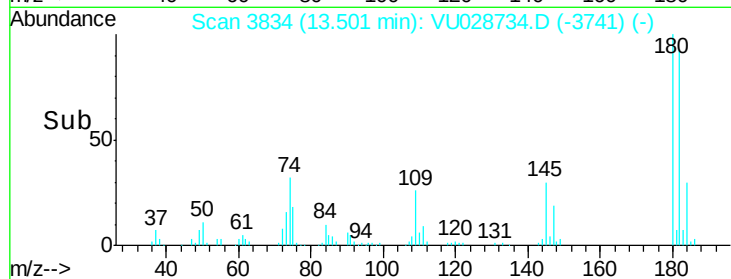
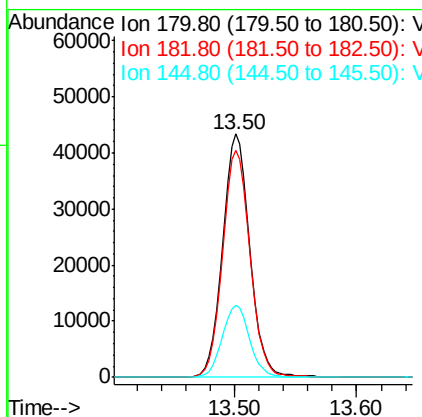
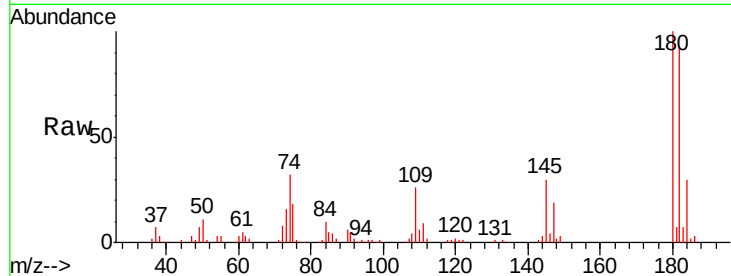
#93
 1,2,4-Trichlorobenzene
 Concen: 46.462 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.1	47.9	143.8
145	30.0	15.0	45.1

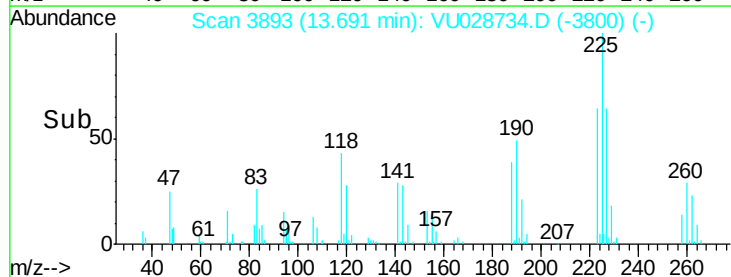
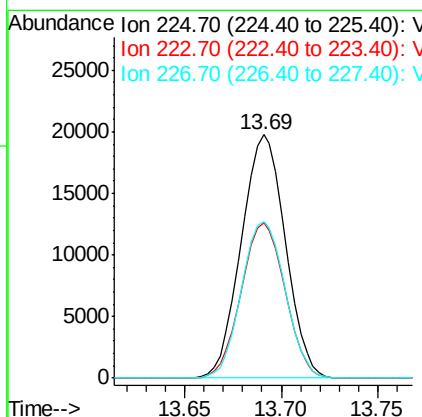
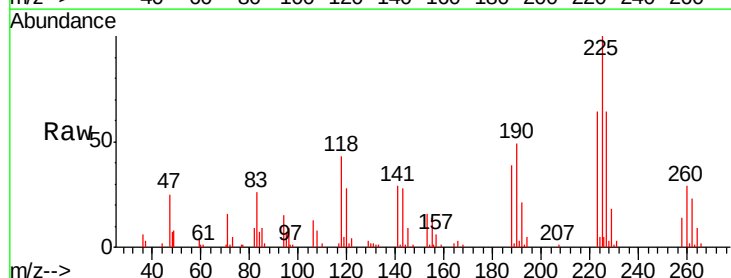
Manual Integrations
 APPROVED

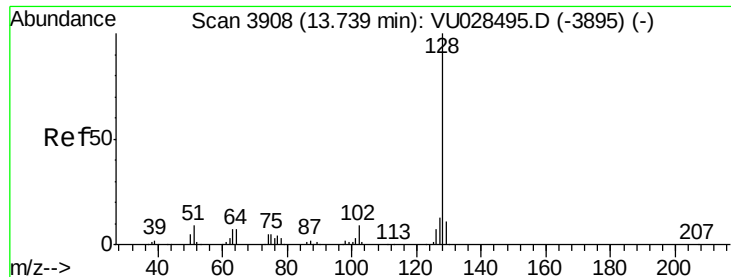
MMDadoda
 12/18/2018 11:31:17 AM



#94
 Hexachlorobutadiene
 Concen: 44.889 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	63.4	30.4	91.2
227	63.6	30.7	92.1





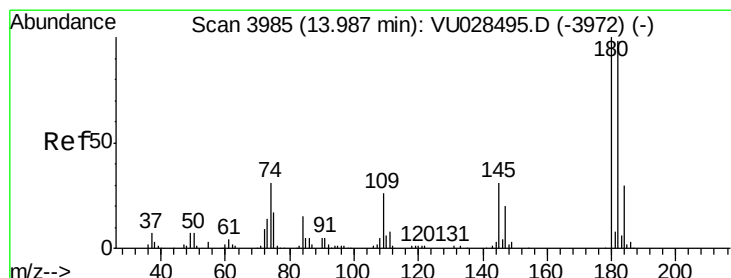
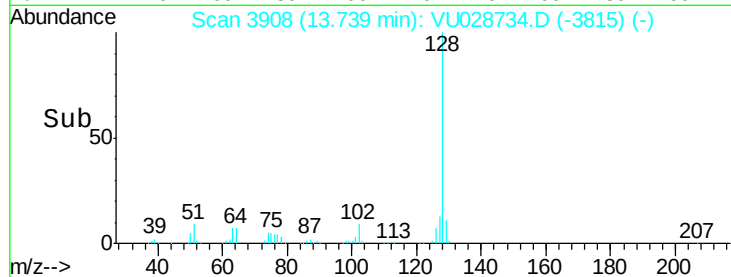
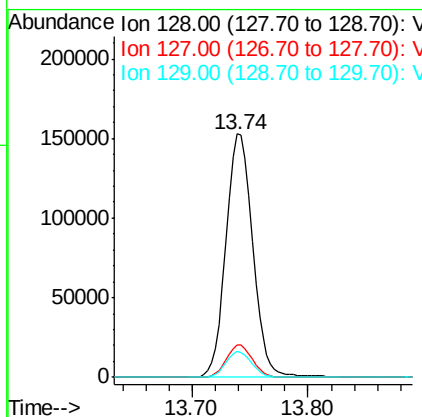
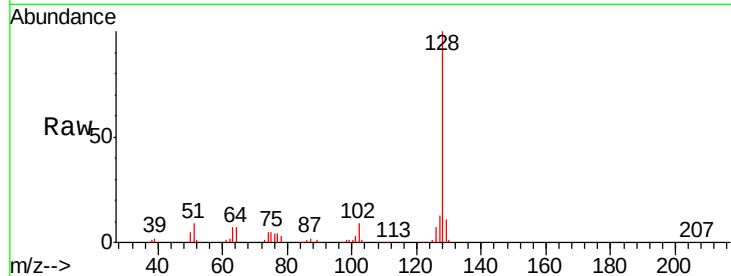
#95
Naphthalene
Concen: 47.698 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.5	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/18/2018 11:31:17 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.700 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.2	144.6
145	31.1	15.8	47.3

