

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040621\
 Data File : VU042949.D
 Acq On : 06 Apr 2021 13:08
 Operator : SY/MD
 Sample : M1903-09DL 2X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 07 01:41:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U032421W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 25 05:42:00 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

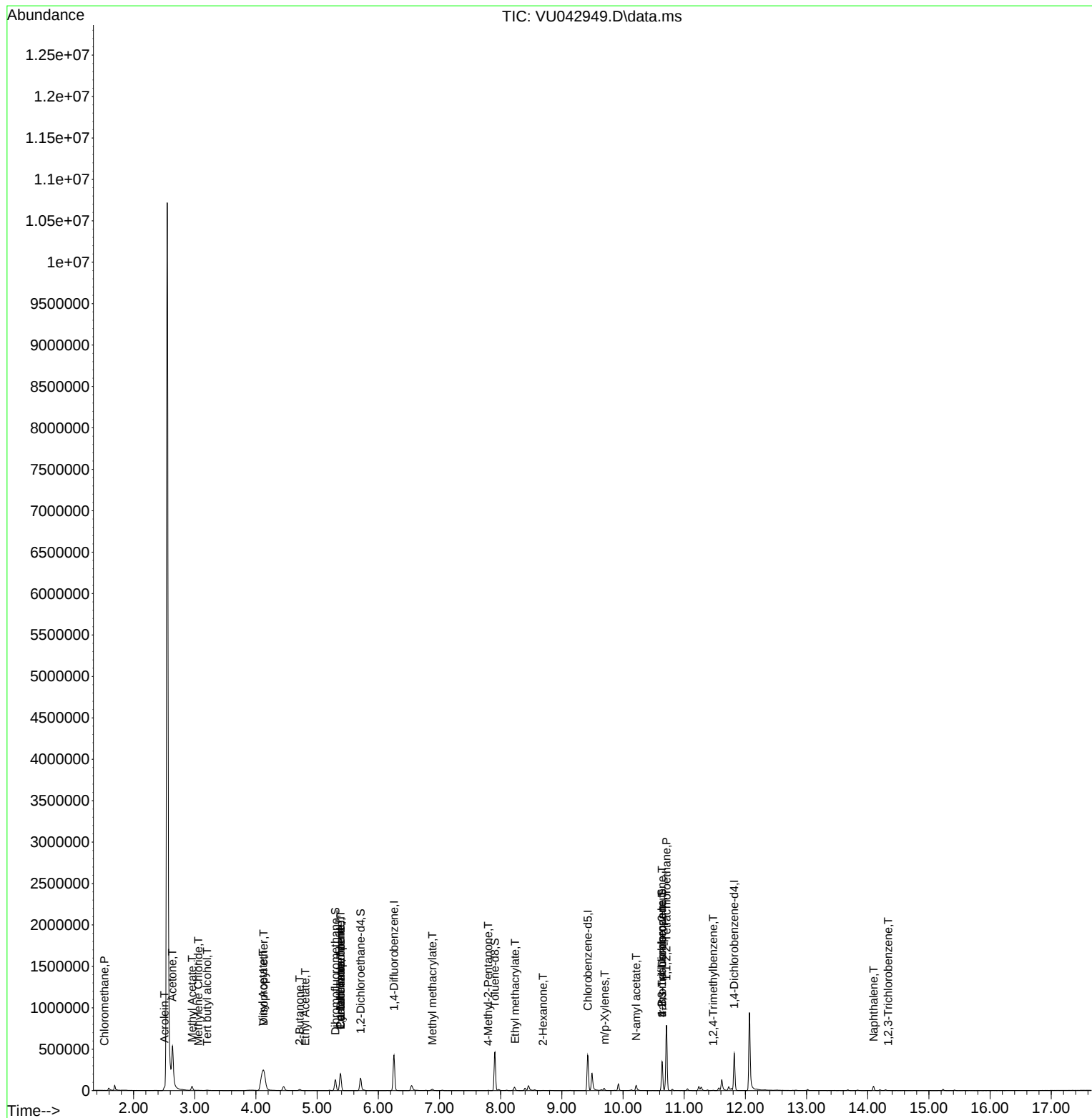
Internal Standards						
1) Pentafluorobenzene	5.382	168	141530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	226955	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	210080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	107223	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	113376	50.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.50%	
35) Dibromofluoromethane	5.298	113	79376	46.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.72%	
50) Toluene-d8	7.906	98	283146	47.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.04%	
62) 4-Bromofluorobenzene	10.639	95	104060	44.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.88%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	414	0.23	ug/l	89
5) Bromomethane	1.858	94	380	Below Cal		87
6) Chloroethane	1.938	64	81	Below Cal	#	43
11) Tert butyl alcohol	3.202	59	5985	12.41	ug/l	# 88
13) Acrolein	2.504	56	35880	216.16	ug/l	92
16) Acetone	2.636	43	504171	447.38	ug/l	# 49
18) Methyl Acetate	2.954	43	61225	23.69	ug/l	98
20) Methylene Chloride	3.057	84	500	0.31	ug/l	# 85
22) Diisopropyl ether	4.128	45	33469	5.93	ug/l	# 1
23) Vinyl Acetate	4.115	43	84085	16.00	ug/l	# 76
25) 2-Butanone	4.713	43	20635	11.24	ug/l	99
31) Cyclohexane	5.382	56	3257	1.16	ug/l	# 23
36) 1,1-Dichloropropene	5.382	75	11427	5.09	ug/l	# 51
37) Ethyl Acetate	4.806	43	992	0.28	ug/l	# 72
38) Carbon Tetrachloride	5.382	117	14066	5.49	ug/l	# 17
48) Methyl methacrylate	6.883	41	5795	2.29	ug/l	# 54
49) 1,4-Dioxane	6.999	88	541	Below Cal	#	70
51) 4-Methyl-2-Pentanone	7.796	43	3235	0.88	ug/l	95
56) Ethyl methacrylate	8.237	69	1341	0.50	ug/l	# 1
59) 2-Hexanone	8.693	43	1672	0.57	ug/l	95
68) m/p-Xylenes	9.700	106	1010	0.36	ug/l	95
74) N-amyl acetate	10.214	43	16164	4.22	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	10.709	83	321852	116.02	ug/l	# 33
76) 1,2,3-Trichloropropane	10.639	75	60699	22.26	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	10.639	75	60699	65.95	ug/l	# 6
84) 1,2,4-Trimethylbenzene	11.475	105	1616	0.27	ug/l	89
95) Naphthalene	14.095	128	39849	7.77	ug/l	99
96) 1,2,3-Trichlorobenzene	14.336	180	527	0.24	ug/l	# 85

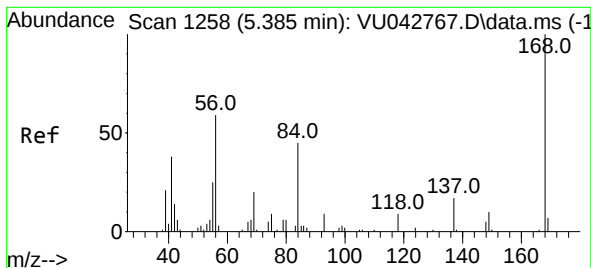
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U032421W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 25 05:42:00 2021
Response via : Initial Calibration

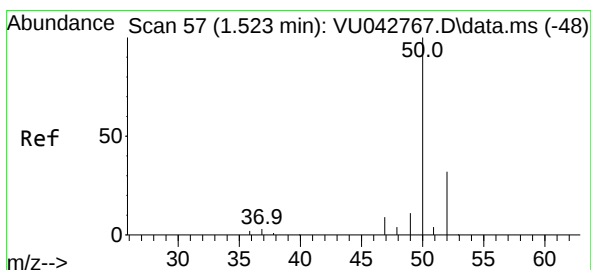
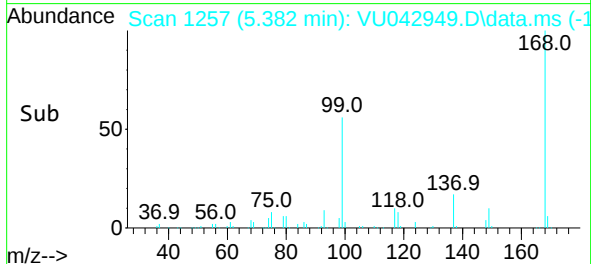
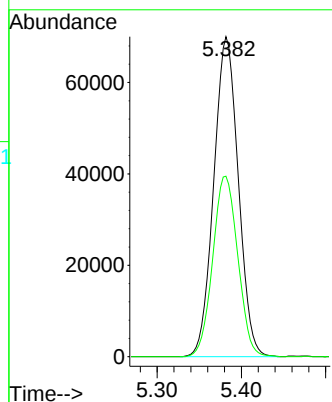
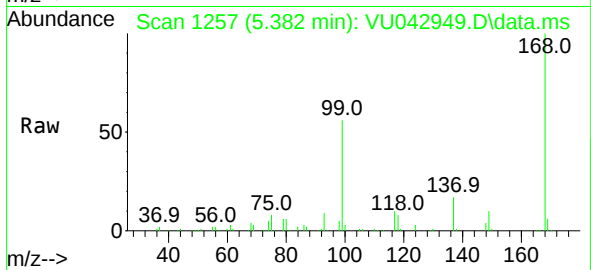




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

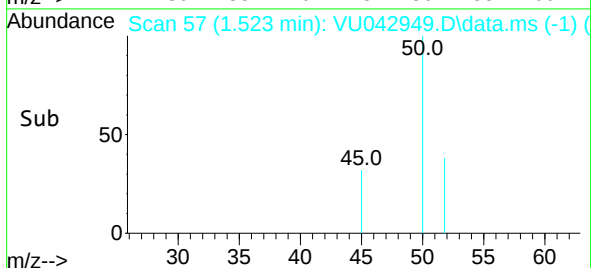
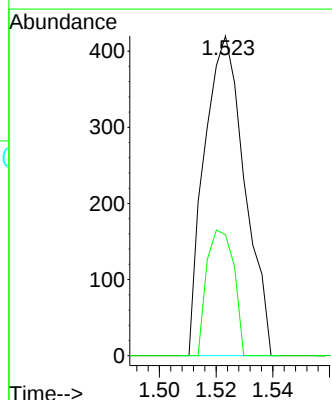
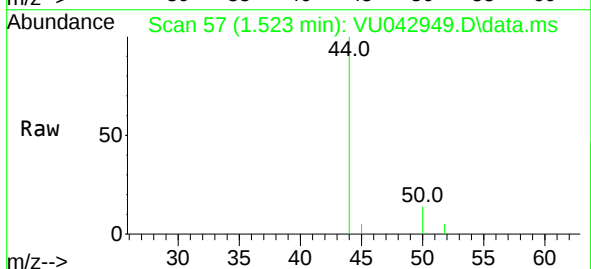
Instrument :
MSVOA_U
ClientSampleId :

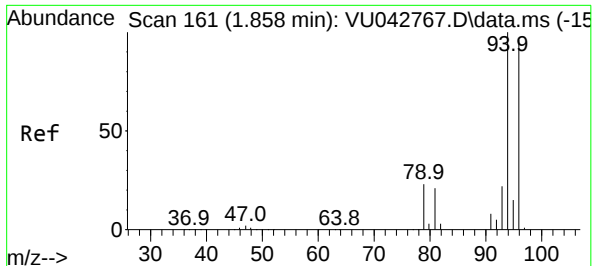
Tgt Ion:168 Resp: 141530
Ion Ratio Lower Upper
168 100
99 56.4 46.4 69.6



#3
Chloromethane
Concen: 0.23 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

Tgt Ion: 50 Resp: 414
Ion Ratio Lower Upper
50 100
52 37.9 25.4 38.0

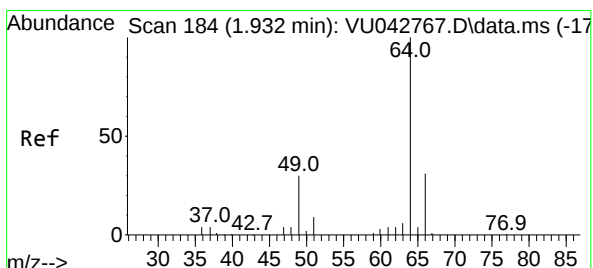
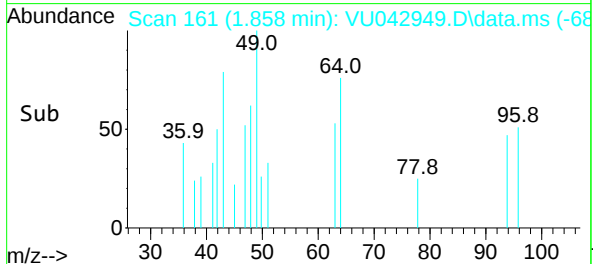
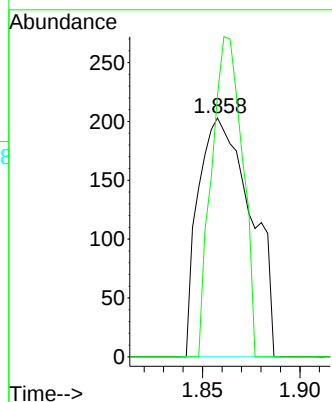
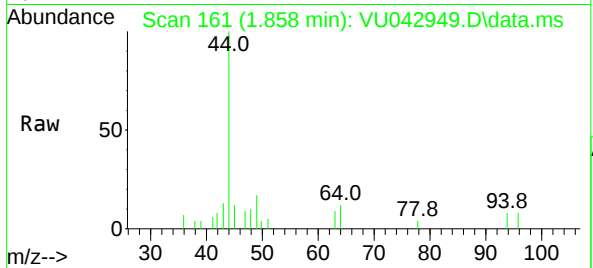




#5
Bromomethane
Concen: Below Cal
RT: 1.858 min Scan# 161
Delta R.T. -0.000 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

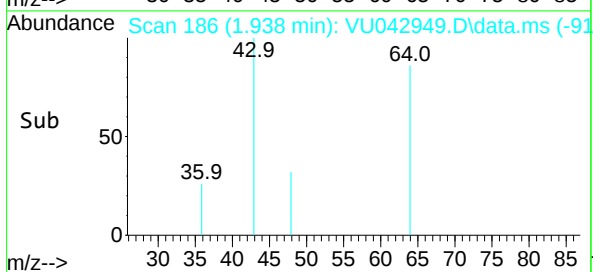
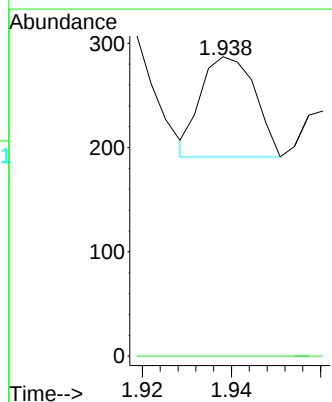
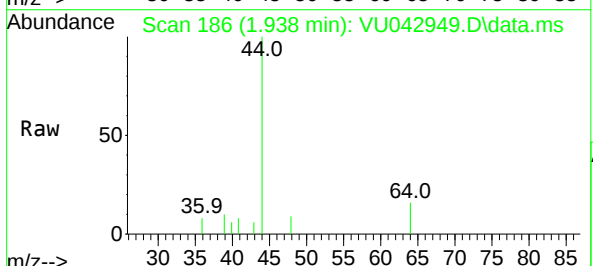
Instrument :
MSVOA_U
ClientSampleId :

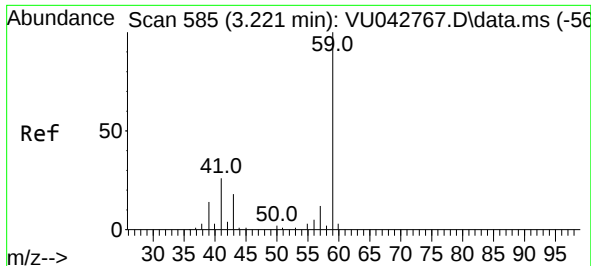
Tgt Ion: 94 Resp: 380
Ion Ratio Lower Upper
94 100
96 109.4 77.1 115.7



#6
Chloroethane
Concen: Below Cal
RT: 1.938 min Scan# 186
Delta R.T. 0.006 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

Tgt Ion: 64 Resp: 81
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#

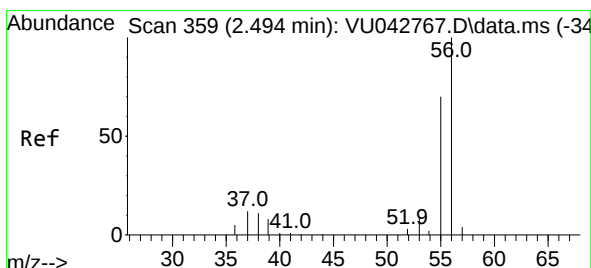
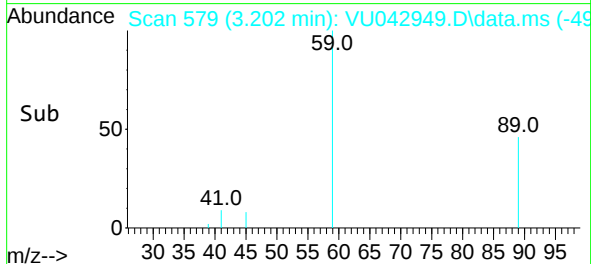
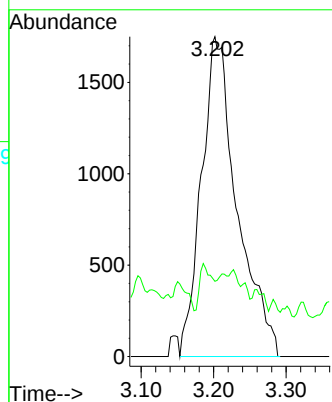
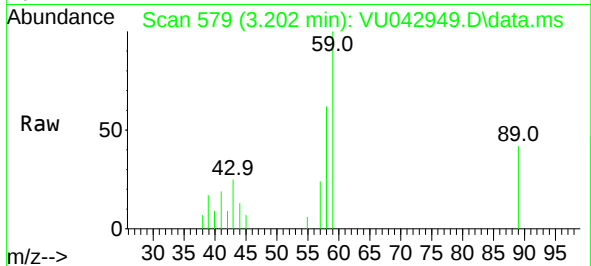




#11
Tert butyl alcohol
Concen: 12.41 ug/l
RT: 3.202 min Scan# 579
Delta R.T. -0.019 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

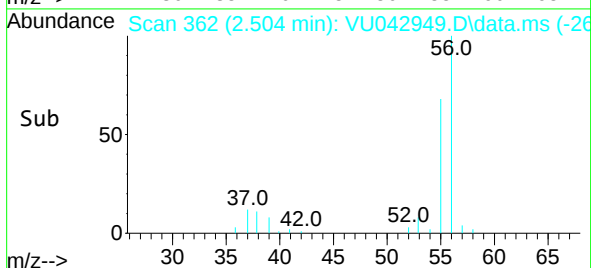
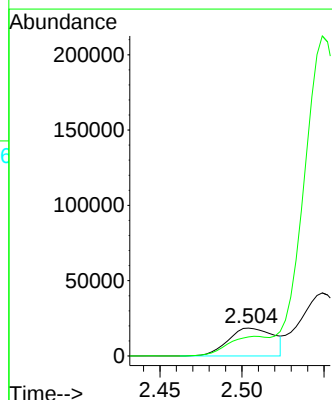
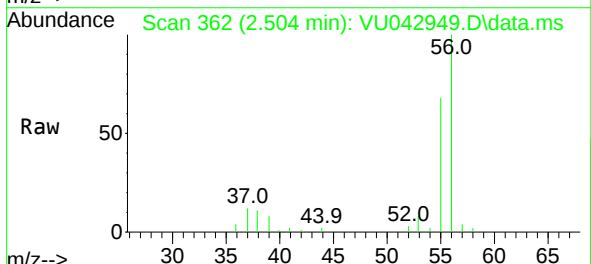
Instrument :
MSVOA_U
ClientSampleId :

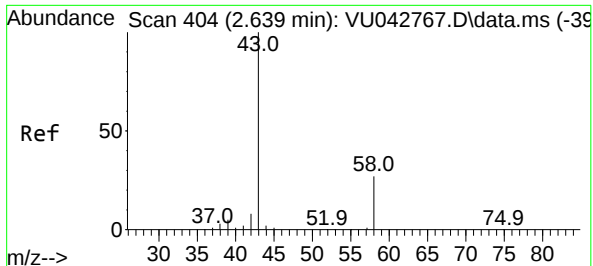
Tgt Ion: 59 Resp: 5985
Ion Ratio Lower Upper
59 100
57 5.0 7.4 11.2#



#13
Acrolein
Concen: 216.16 ug/l
RT: 2.504 min Scan# 362
Delta R.T. 0.010 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

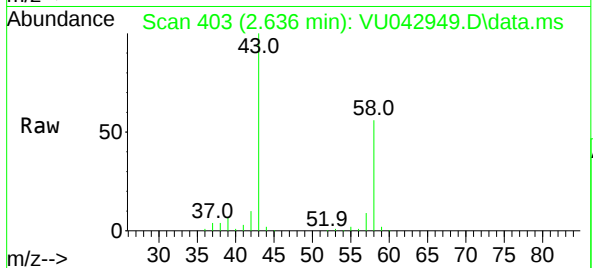
Tgt Ion: 56 Resp: 35880
Ion Ratio Lower Upper
56 100
55 63.0 55.8 83.8



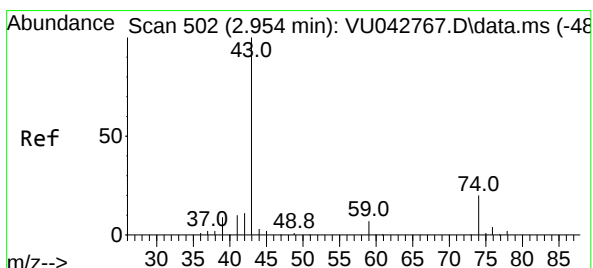
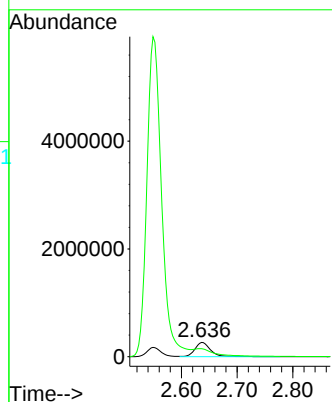
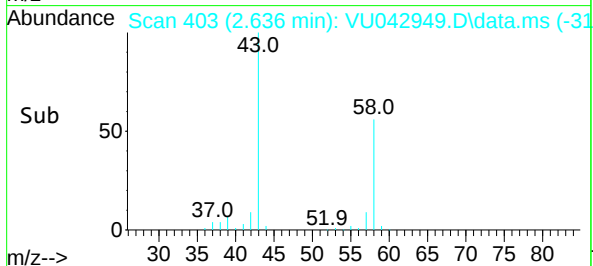


#16
Acetone
Concen: 447.38 ug/l
RT: 2.636 min Scan# 403
Delta R.T. -0.003 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

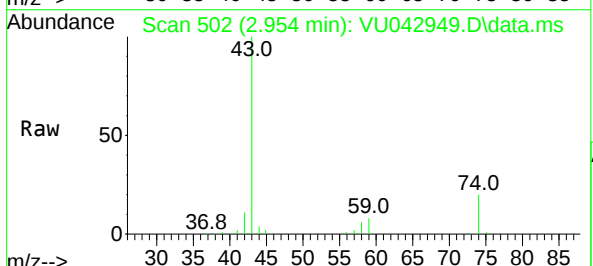
Instrument :
MSVOA_U
ClientSampled :



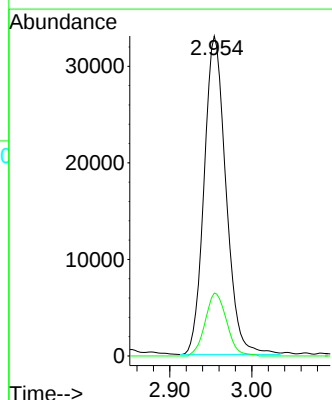
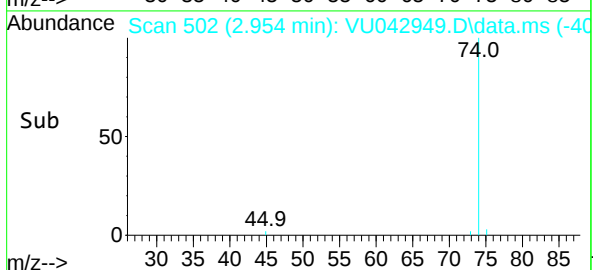
Tgt Ion: 43 Resp: 504171
Ion Ratio Lower Upper
43 100
58 53.4 21.6 32.4#

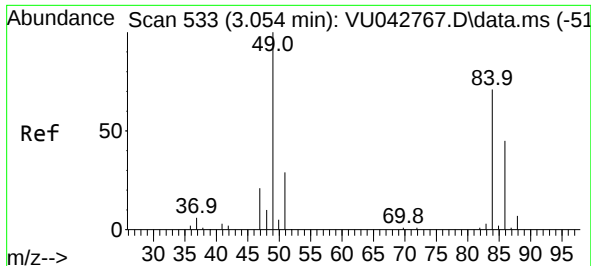


#18
Methyl Acetate
Concen: 23.69 ug/l
RT: 2.954 min Scan# 502
Delta R.T. -0.000 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08



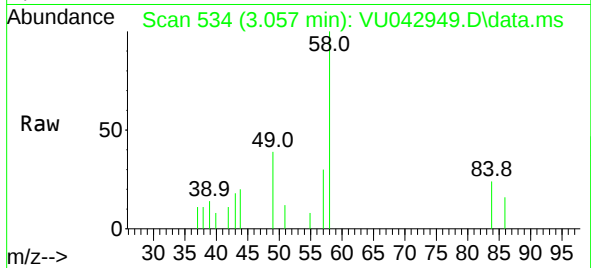
Tgt Ion: 43 Resp: 61225
Ion Ratio Lower Upper
43 100
74 19.4 16.2 24.4





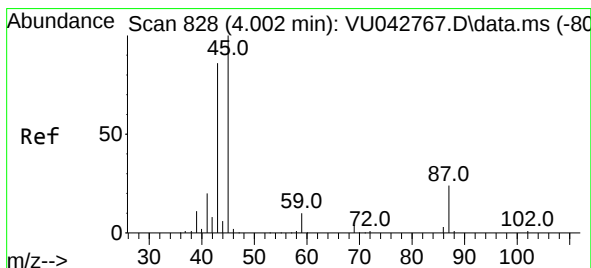
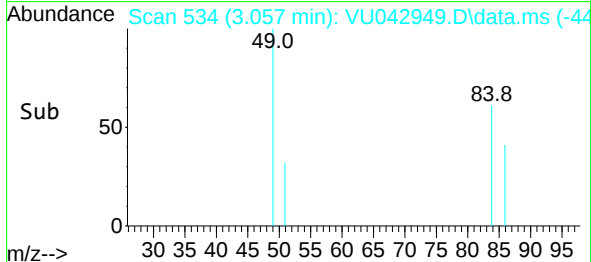
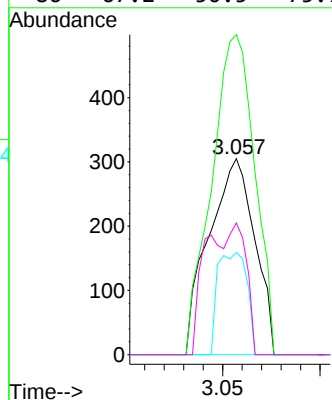
#20
Methylene Chloride
Concen: 0.31 ug/l
RT: 3.057 min Scan# 534
Delta R.T. 0.003 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

Instrument :
MSVOA_U
ClientSampleId :

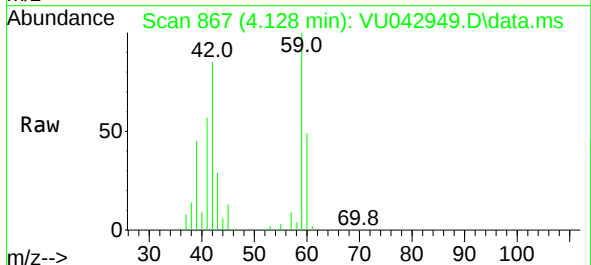


Tgt Ion: 84 Resp: 500

Ion	Ratio	Lower	Upper
84	100		
49	163.3	113.0	169.4
51	52.1	32.9	49.3#
86	67.2	50.5	75.7

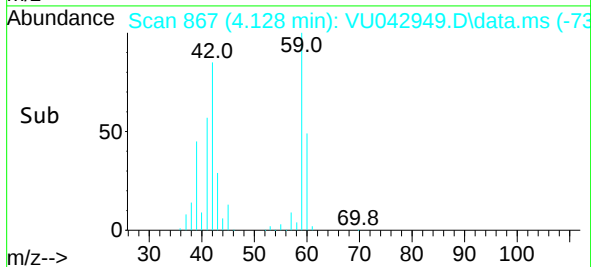
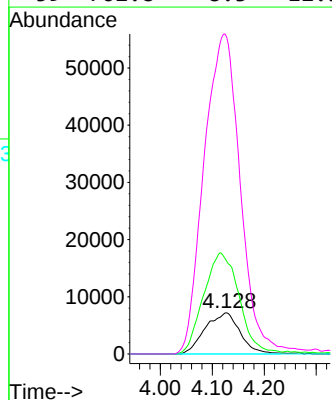


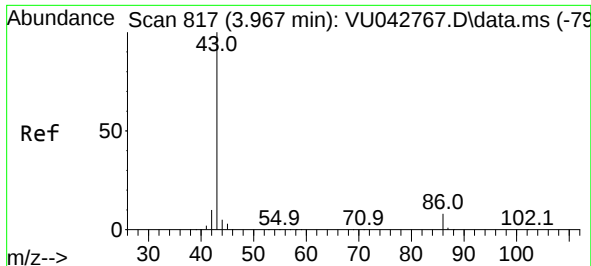
#22
Diisopropyl ether
Concen: 5.93 ug/l
RT: 4.128 min Scan# 867
Delta R.T. 0.125 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08



Tgt Ion: 45 Resp: 33469

Ion	Ratio	Lower	Upper
45	100		
43	223.0	68.6	102.8#
87	0.0	19.1	28.7#
59	762.8	8.3	12.5#

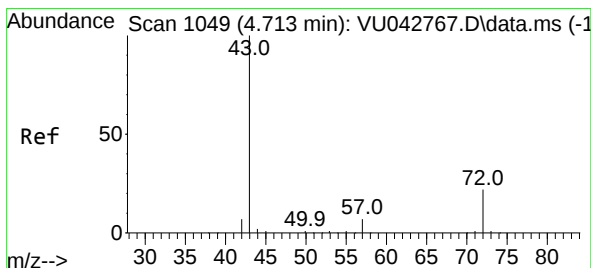
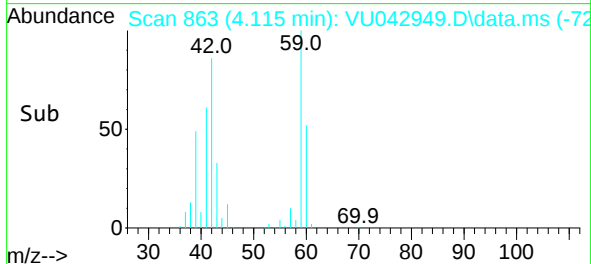
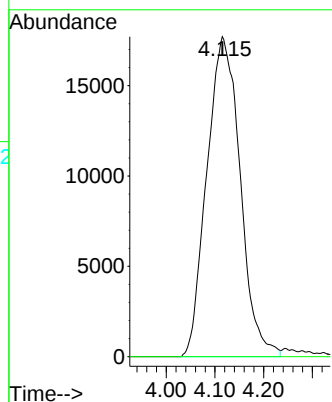
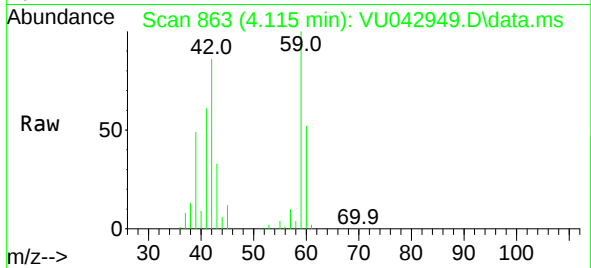




#23
 Vinyl Acetate
 Concen: 16.00 ug/l
 RT: 4.115 min Scan# 863
 Delta R.T. 0.148 min
 Lab File: VU042949.D
 Acq: 06 Apr 2021 13:08

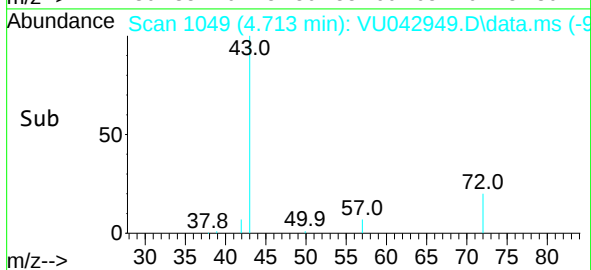
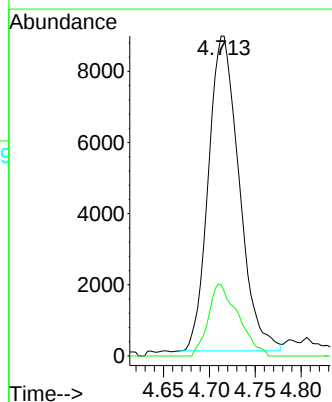
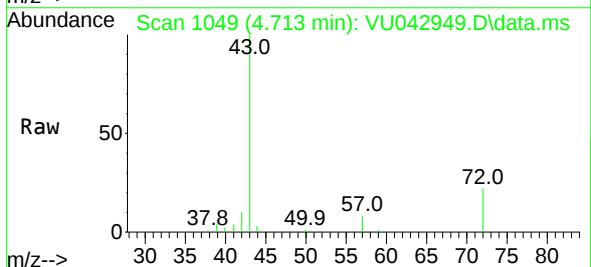
Instrument :
 MSVOA_U
 ClientSampleId :

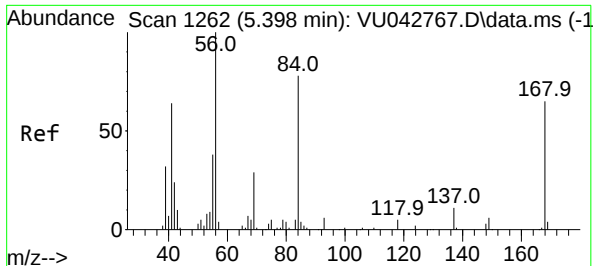
Tgt Ion: 43 Resp: 84085
 Ion Ratio Lower Upper
 43 100
 86 0.0 6.7 10.1#



#25
 2-Butanone
 Concen: 11.24 ug/l
 RT: 4.713 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU042949.D
 Acq: 06 Apr 2021 13:08

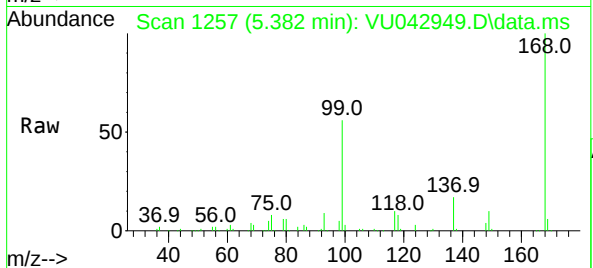
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 Ion Ratio Lower Upper
 43 100
 72 22.5 17.7 26.5



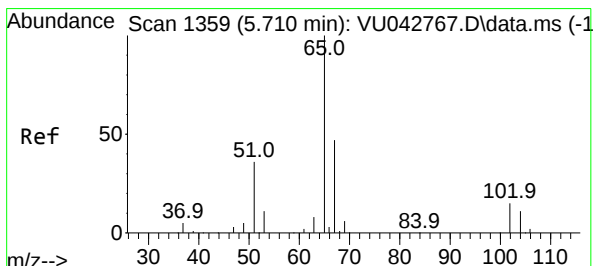
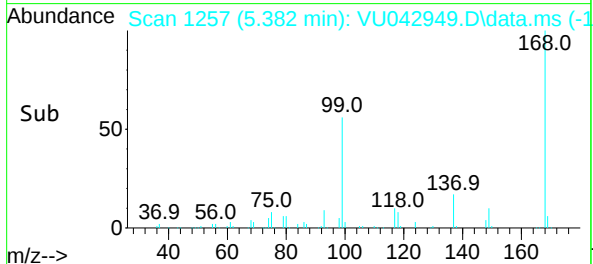
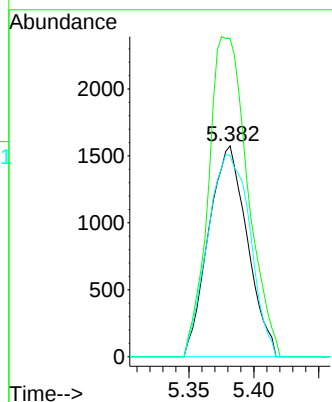


#31
Cyclohexane
Concen: 1.16 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.016 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

Instrument :
MSVOA_U
ClientSampled :

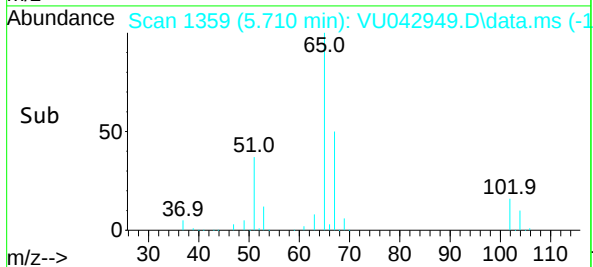
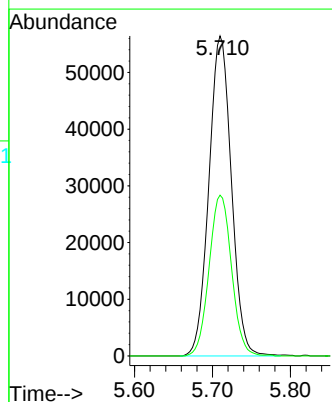
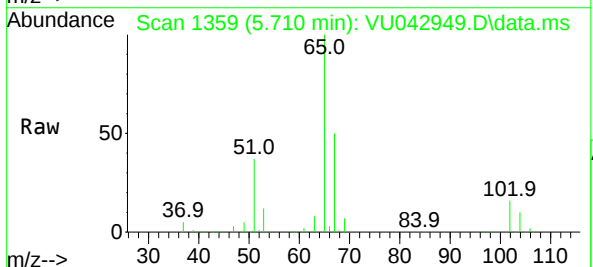


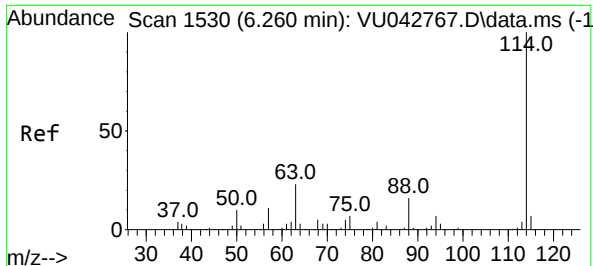
Tgt Ion: 56 Resp: 3257
Ion Ratio Lower Upper
56 100
69 150.9 23.3 34.9#
84 95.3 62.2 93.4#



#33
1,2-Dichloroethane-d4
Concen: 50.25 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

Tgt Ion: 65 Resp: 113376
Ion Ratio Lower Upper
65 100
67 50.1 0.0 98.8

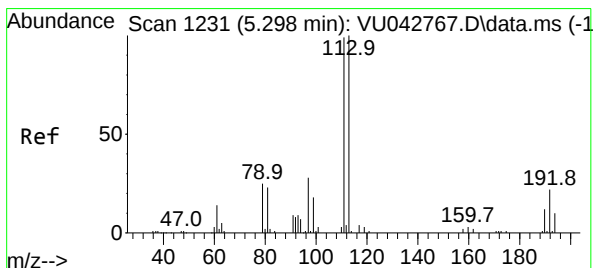
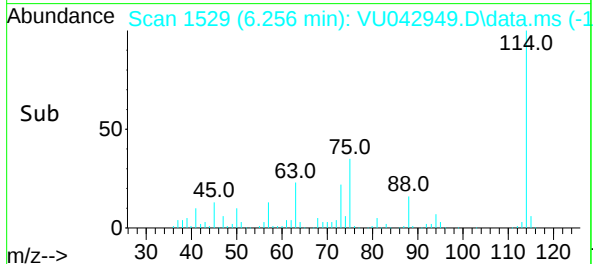
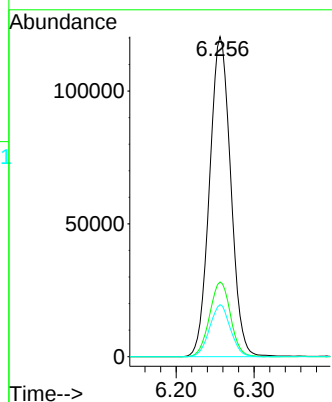
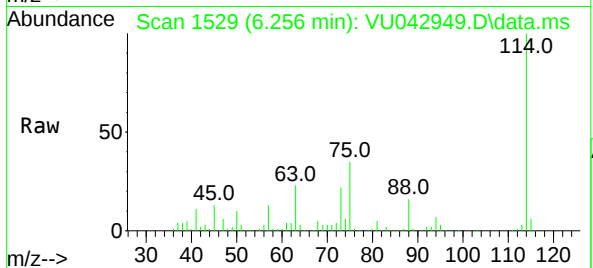




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. -0.004 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

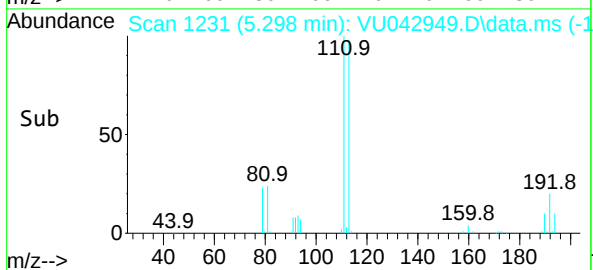
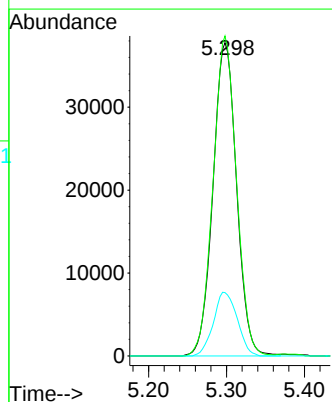
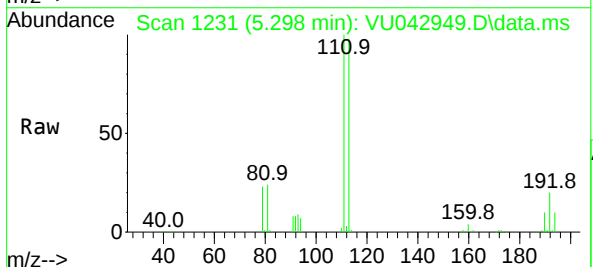
Instrument :
MSVOA_U
ClientSampleId :

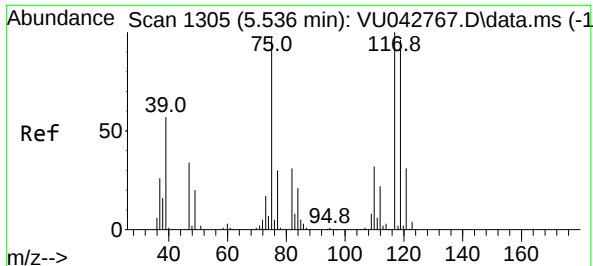
Tgt Ion:114 Resp: 226955
Ion Ratio Lower Upper
114 100
63 23.4 0.0 46.8
88 16.3 0.0 32.2



#35
Dibromofluoromethane
Concen: 46.86 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

Tgt Ion:113 Resp: 79376
Ion Ratio Lower Upper
113 100
111 101.4 82.1 123.1
192 20.5 17.6 26.4

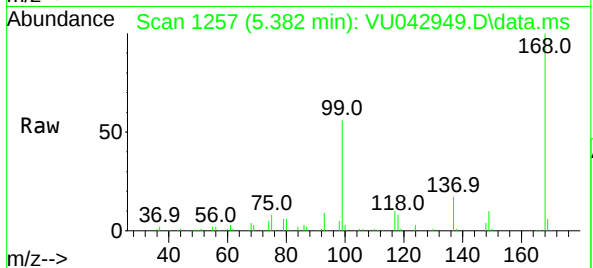




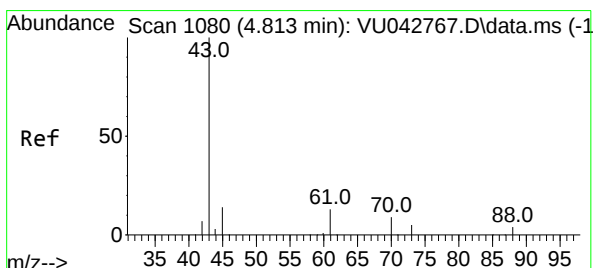
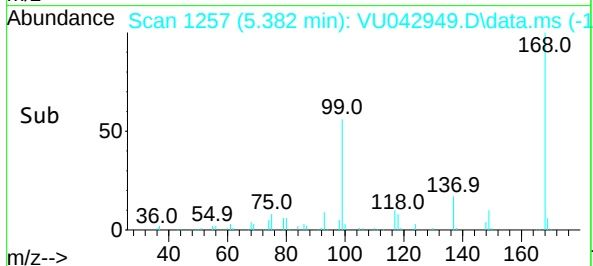
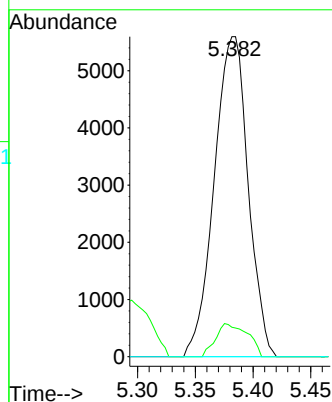
#36

1,1-Dichloropropene
Concen: 5.09 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.155 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

Instrument :
MSVOA_U
ClientSampleId :

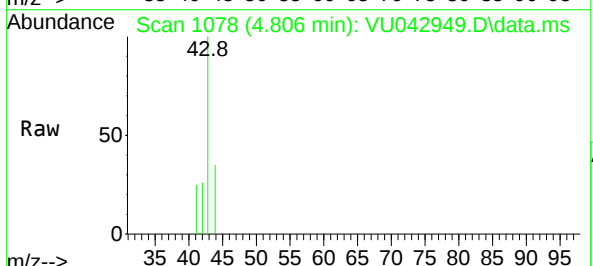


Tgt Ion: 75	Resp: 11427
Ion Ratio	Lower Upper
75 100	
110 9.7	16.6 49.7#
77 0.0	24.7 37.1#

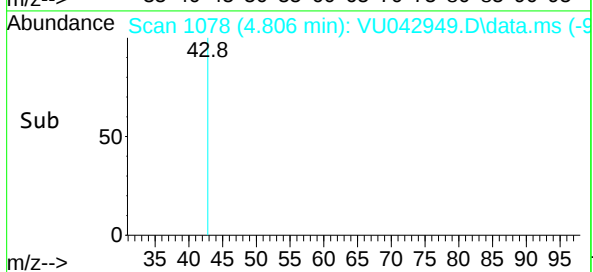
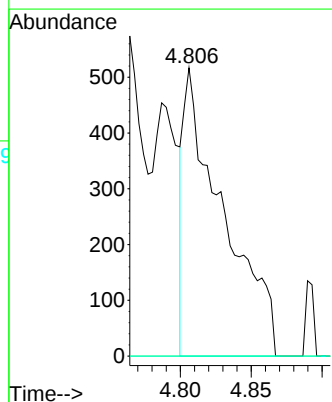


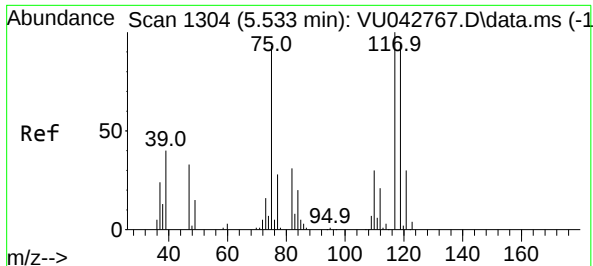
#37

Ethyl Acetate
Concen: 0.28 ug/l
RT: 4.806 min Scan# 1078
Delta R.T. -0.007 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08



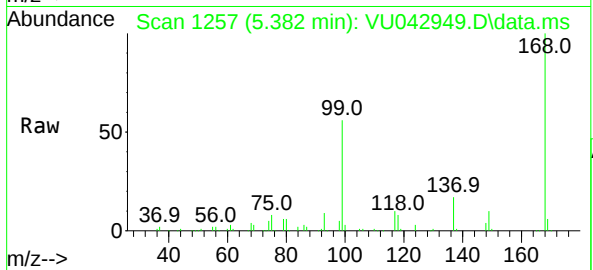
Tgt Ion: 43	Resp: 992
Ion Ratio	Lower Upper
43 100	
61 0.0	9.7 14.5#
70 0.0	6.6 9.8#



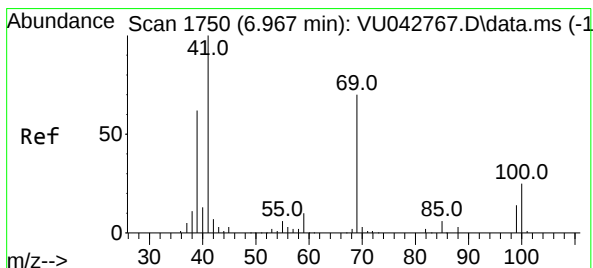
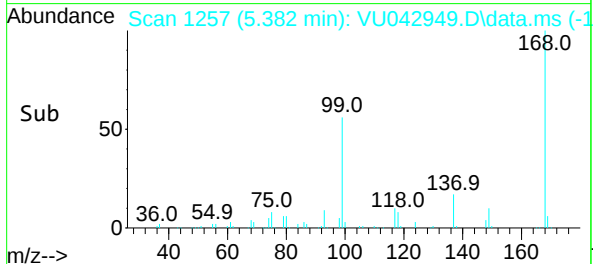
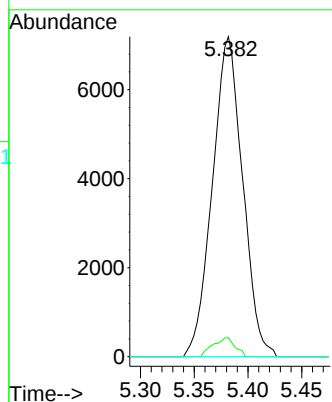


#38
Carbon Tetrachloride
Concen: 5.49 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

Instrument :
MSVOA_U
ClientSampled :

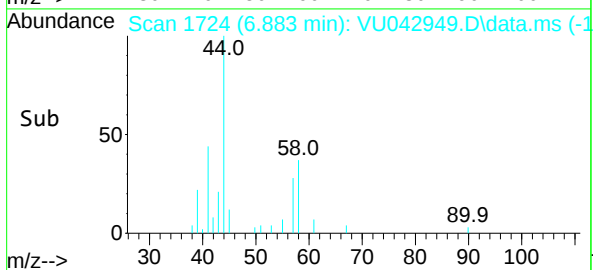
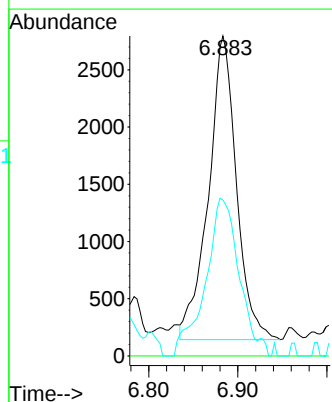
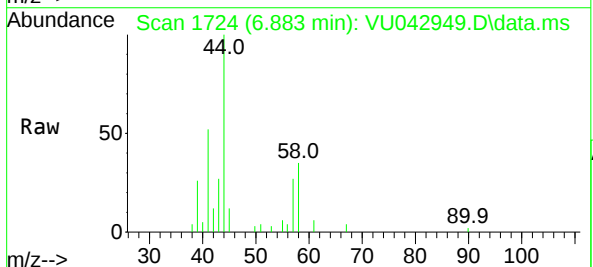


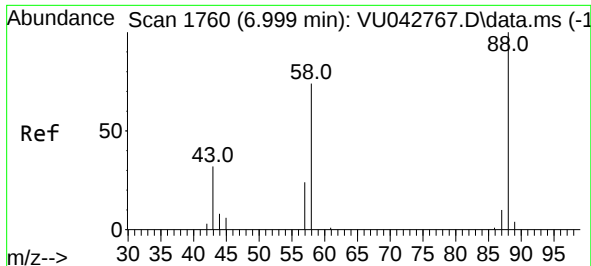
Tgt Ion:117 Resp: 14066
Ion Ratio Lower Upper
117 100
119 5.9 75.2 112.8#
121 0.0 24.2 36.4#



#48
Methyl methacrylate
Concen: 2.29 ug/l
RT: 6.883 min Scan# 1724
Delta R.T. -0.084 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

Tgt Ion: 41 Resp: 5795
Ion Ratio Lower Upper
41 100
69 0.0 55.9 83.9#
39 61.2 49.7 74.5





#49

1,4-Dioxane

Concen: Below Cal

RT: 6.999 min Scan# 1760

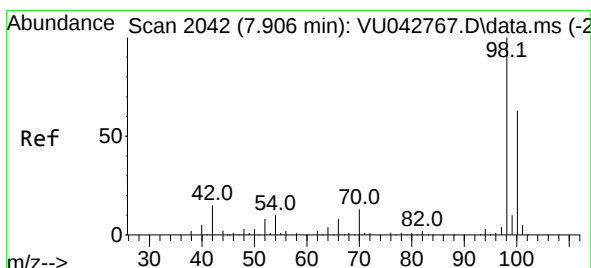
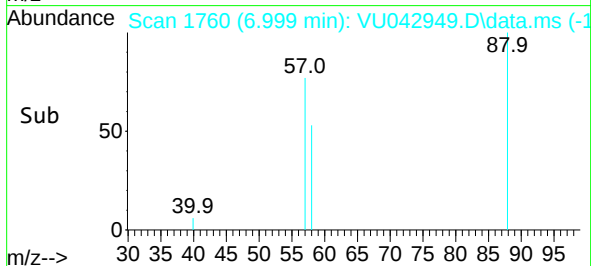
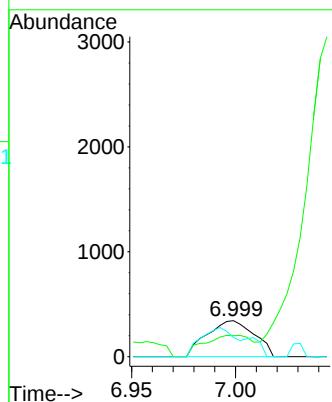
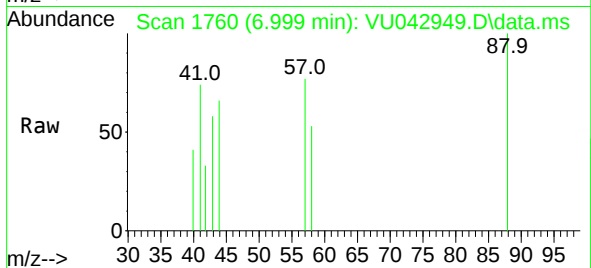
Delta R.T. -0.000 min

Lab File: VU042949.D

Acq: 06 Apr 2021 13:08

Tgt Ion: 88	Resp: 541
Ion Ratio	Lower Upper
88 100	
43 58.2	25.4 38.0#
58 57.7	62.5 93.7#

Instrument :
MSVOA_U
ClientSampled :



#50

Toluene-d8

Concen: 47.52 ug/l

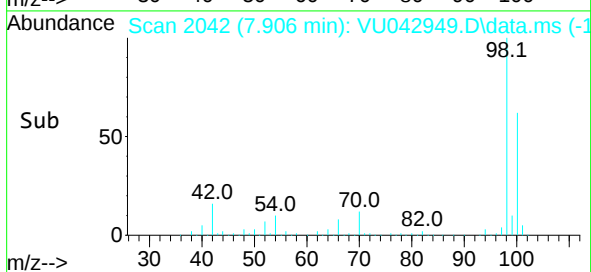
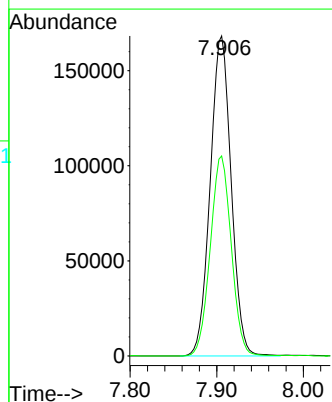
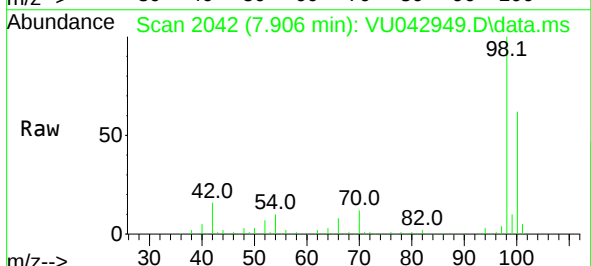
RT: 7.906 min Scan# 2042

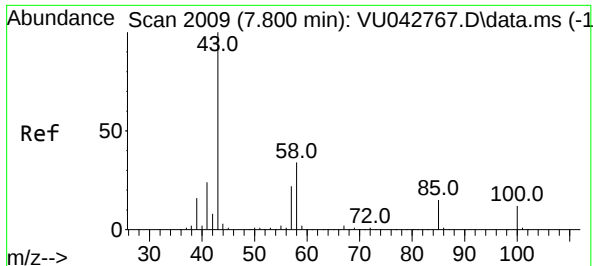
Delta R.T. -0.000 min

Lab File: VU042949.D

Acq: 06 Apr 2021 13:08

Tgt Ion: 98	Resp: 283146
Ion Ratio	Lower Upper
98 100	
100 62.6	50.4 75.6

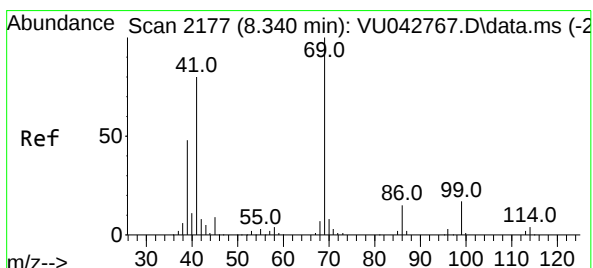
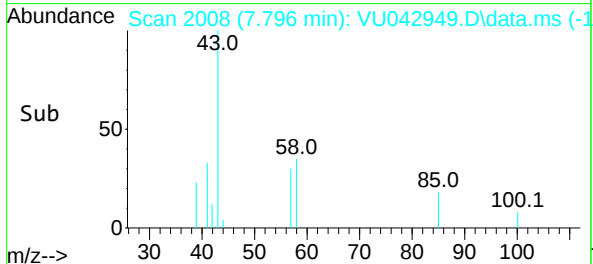
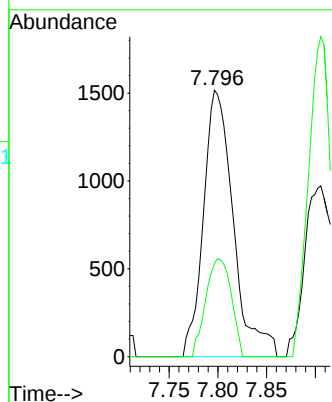
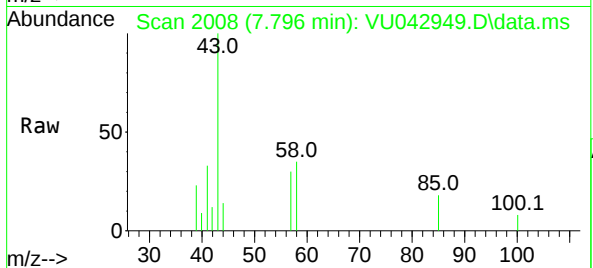




#51
4-Methyl-2-Pentanone
Concen: 0.88 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

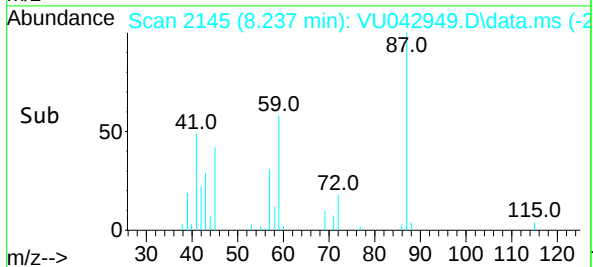
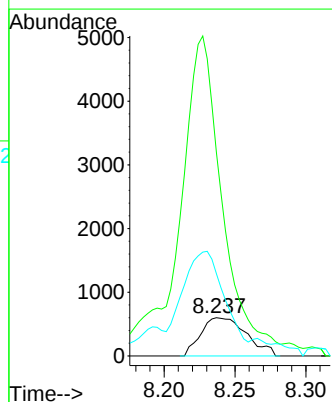
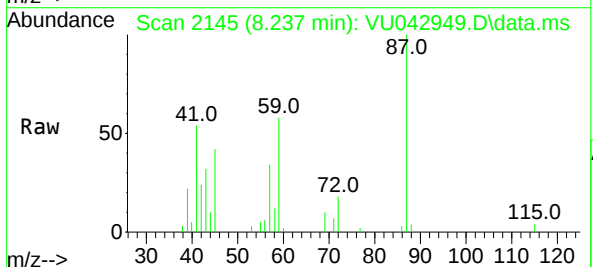
Instrument :
MSVOA_U
ClientSampleId :

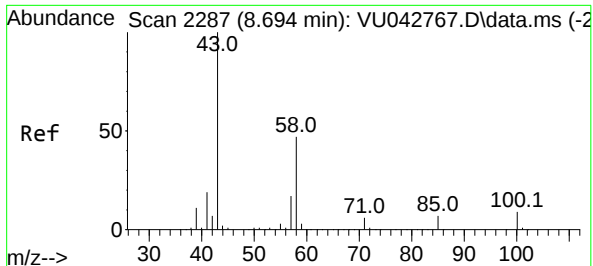
Tgt Ion: 43 Resp: 3235
Ion Ratio Lower Upper
43 100
58 31.3 27.4 41.2



#56
Ethyl methacrylate
Concen: 0.50 ug/l
RT: 8.237 min Scan# 2145
Delta R.T. -0.103 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

Tgt Ion: 69 Resp: 1341
Ion Ratio Lower Upper
69 100
41 733.1 64.6 97.0#
39 217.2 38.2 57.2#

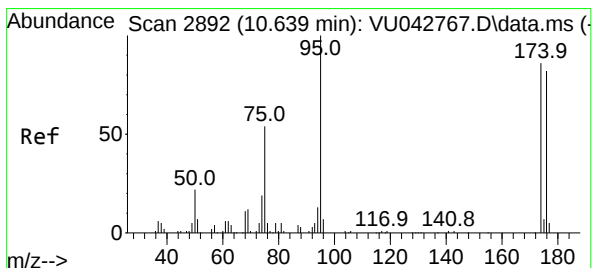
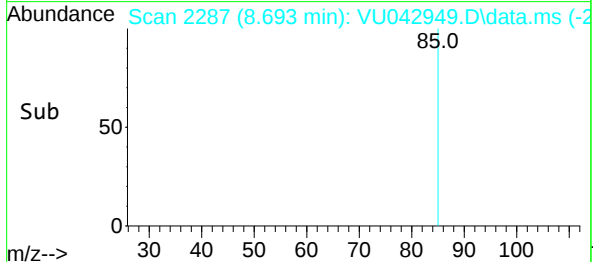
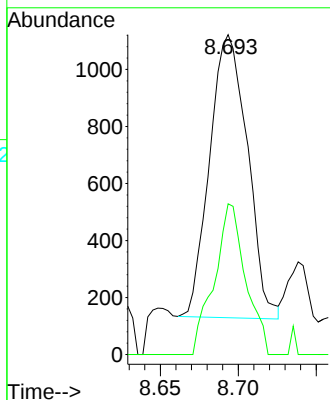
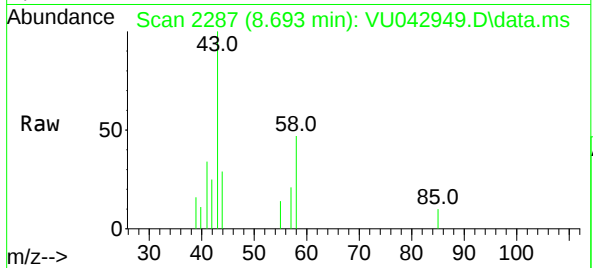




#59
2-Hexanone
Concen: 0.57 ug/l
RT: 8.693 min Scan# 2287
Delta R.T. -0.000 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

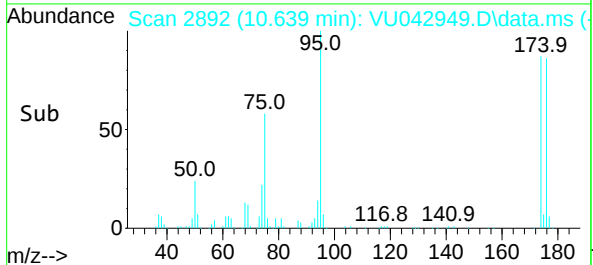
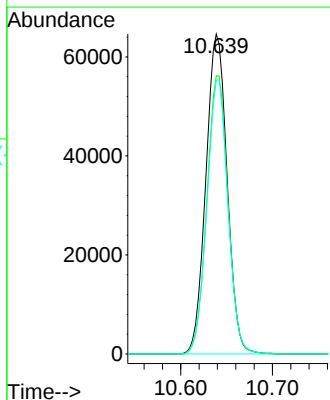
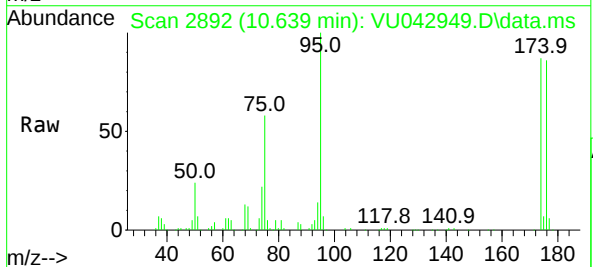
Instrument :
MSVOA_U
ClientSampled :

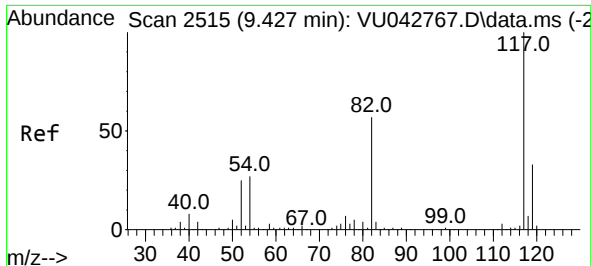
Tgt Ion: 43 Resp: 1672
Ion Ratio Lower Upper
43 100
58 44.2 23.8 71.2



#62
4-Bromofluorobenzene
Concen: 44.94 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

Tgt Ion: 95 Resp: 104060
Ion Ratio Lower Upper
95 100
174 86.7 0.0 175.2
176 84.7 0.0 167.4

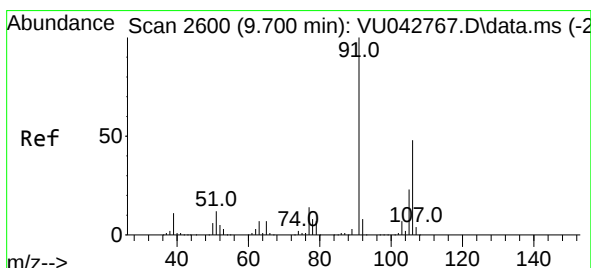
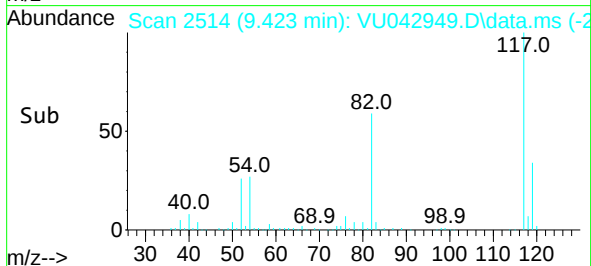
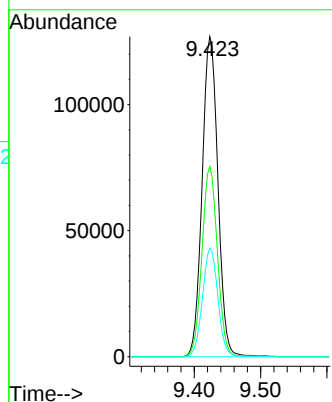
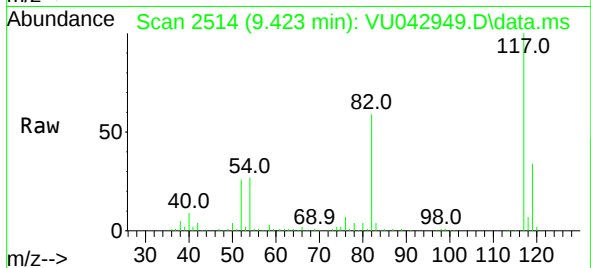




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.003 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

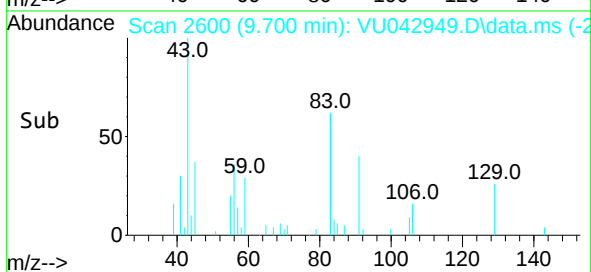
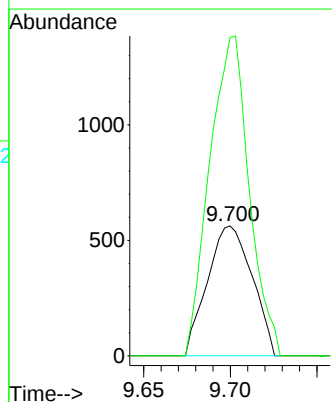
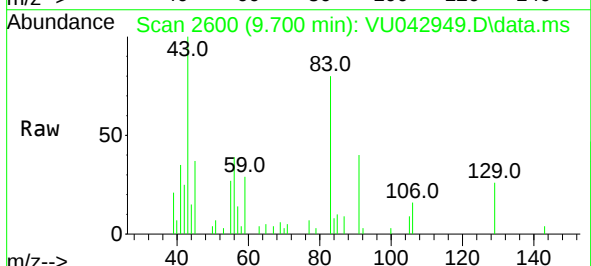
Instrument :
MSVOA_U
ClientSampled :

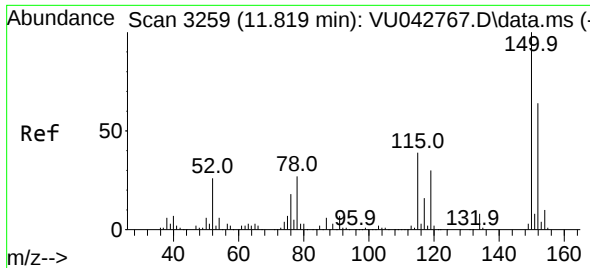
Tgt Ion:117 Resp: 210080
Ion Ratio Lower Upper
117 100
82 59.4 45.5 68.3
119 34.0 26.2 39.4



#68
m/p-Xylenes
Concen: 0.36 ug/l
RT: 9.700 min Scan# 2600
Delta R.T. -0.000 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

Tgt Ion:106 Resp: 1010
Ion Ratio Lower Upper
106 100
91 217.5 168.3 252.5

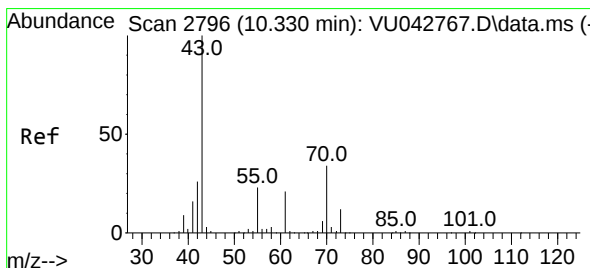
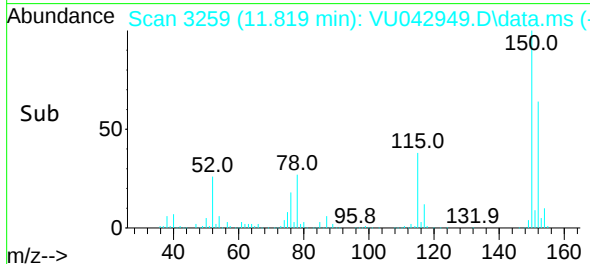
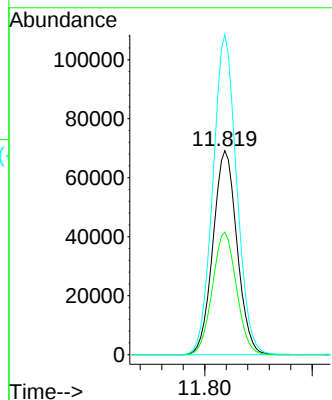
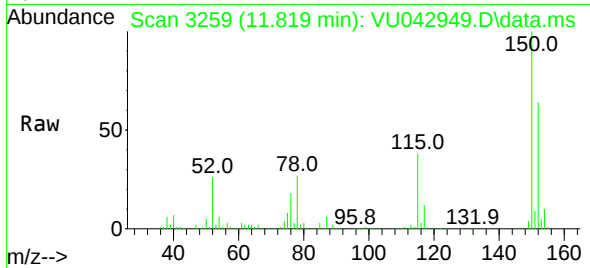




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

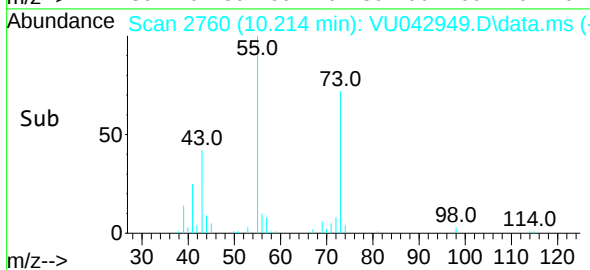
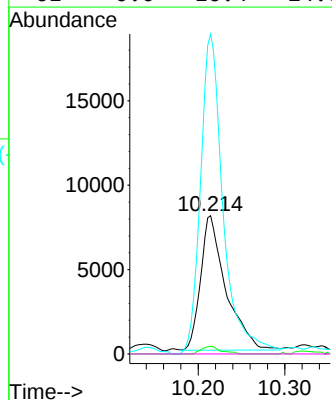
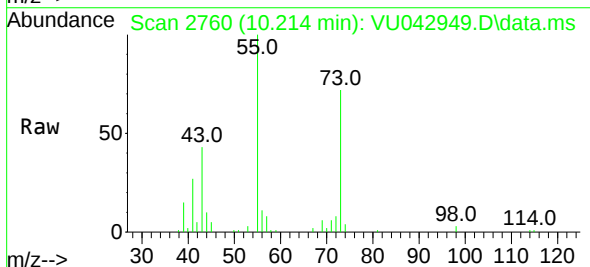
Instrument :
MSVOA_U
ClientSampleId :

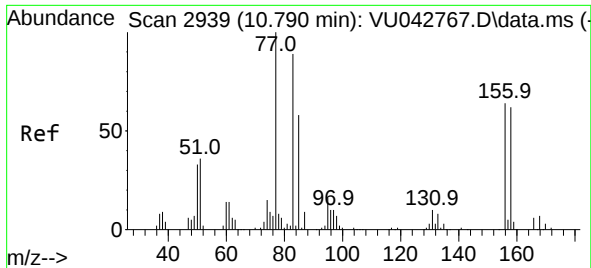
Tgt Ion:152 Resp: 107223
Ion Ratio Lower Upper
152 100
115 60.1 41.0 123.0
150 155.4 0.0 341.0



#74
N-ethyl acetate
Concen: 4.22 ug/l
RT: 10.214 min Scan# 2760
Delta R.T. -0.116 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

Tgt Ion: 43 Resp: 16164
Ion Ratio Lower Upper
43 100
70 4.2 27.8 41.6#
55 214.4 18.4 27.6#
61 0.0 16.4 24.6#

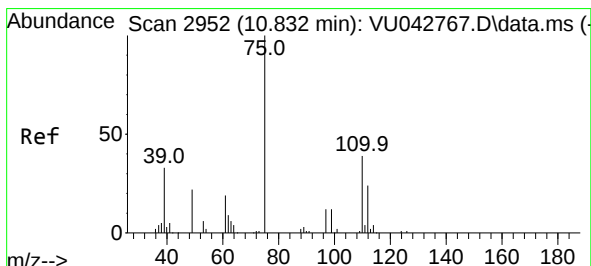
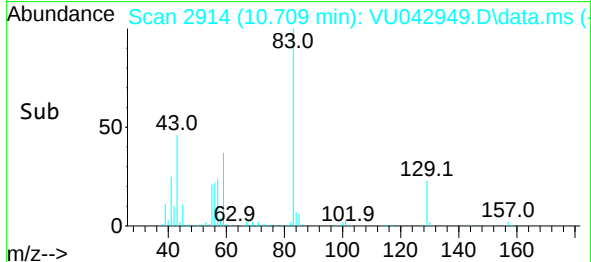
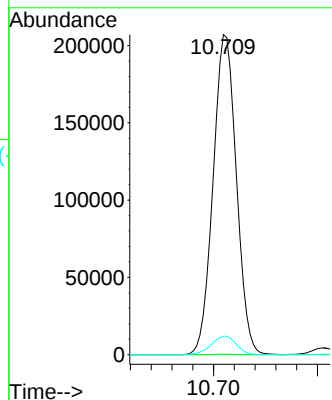
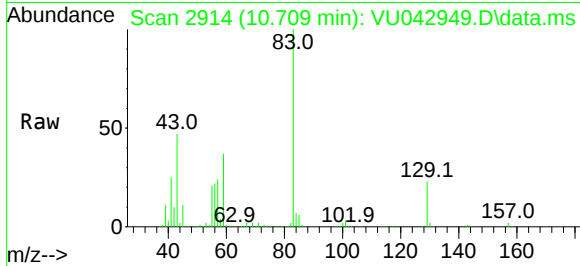




#75
 1,1,2,2-Tetrachloroethane
 Concen: 116.02 ug/l
 RT: 10.709 min Scan# 2914
 Delta R.T. -0.081 min
 Lab File: VU042949.D
 Acq: 06 Apr 2021 13:08

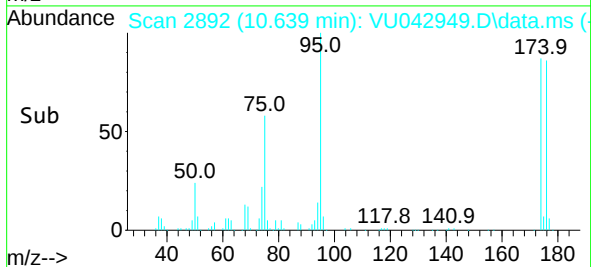
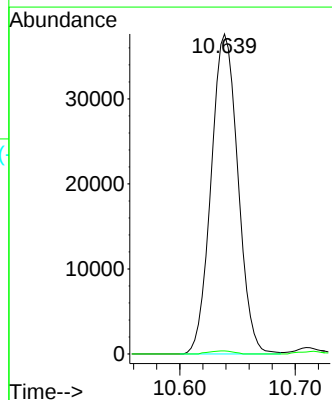
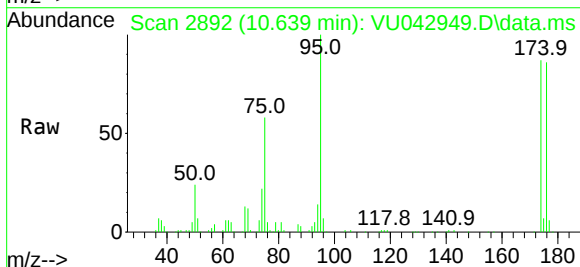
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 ClientSampleId :

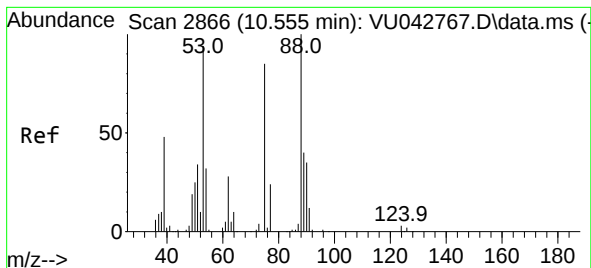
Tgt Ion: 83 Resp: 321852
 Ion Ratio Lower Upper
 83 100
 131 0.1 5.1 15.2#
 85 6.3 32.0 96.2#



#76
 1,2,3-Trichloropropane
 Concen: 22.26 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU042949.D
 Acq: 06 Apr 2021 13:08

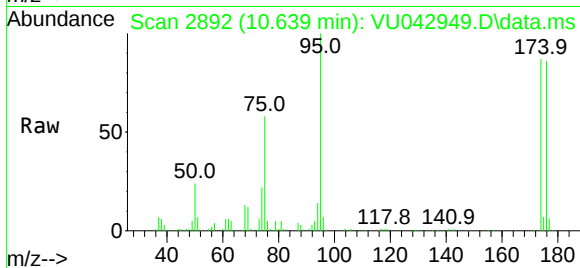
Tgt Ion: 75 Resp: 60699
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.6 58.8#



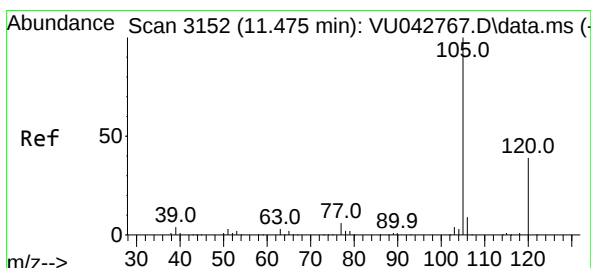
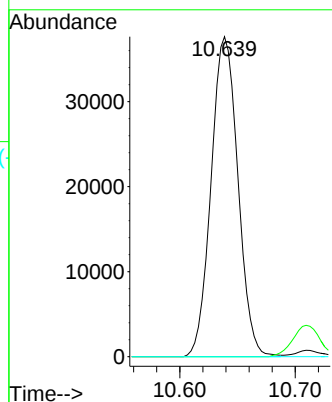
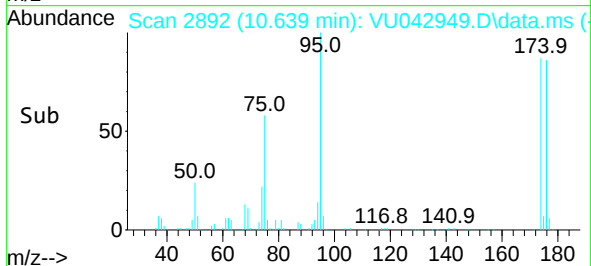


#81
trans-1,4-Dichloro-2-butene
Concen: 65.95 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.083 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

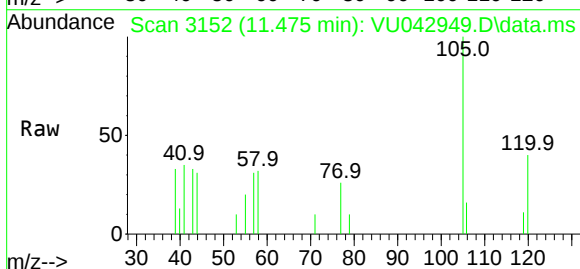
Instrument :
MSVOA_U
ClientSampled :



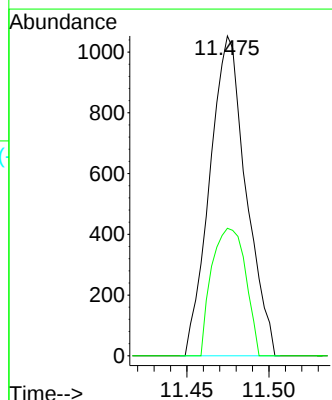
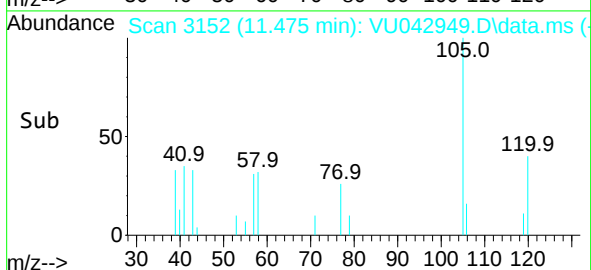
Tgt Ion: 75 Resp: 60699
Ion Ratio Lower Upper
75 100
53 0.0 88.3 132.5#
89 0.0 35.7 53.5#

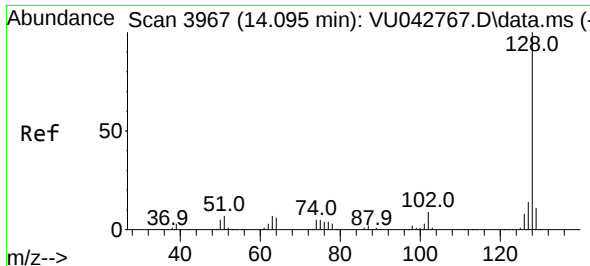


#84
1,2,4-Trimethylbenzene
Concen: 0.27 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08



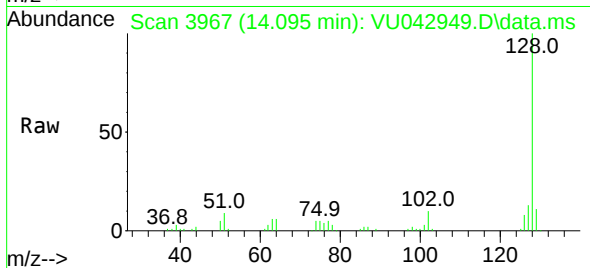
Tgt Ion: 105 Resp: 1616
Ion Ratio Lower Upper
105 100
120 37.1 22.3 66.8



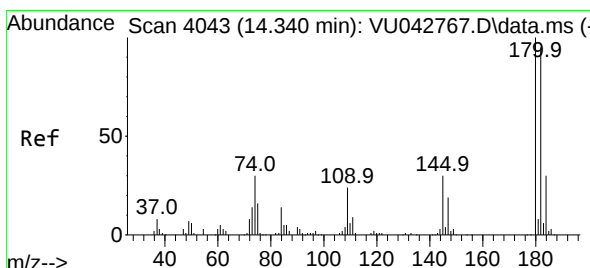
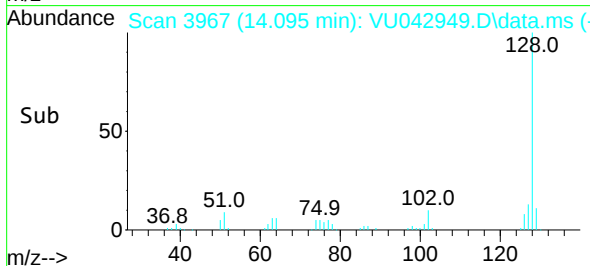
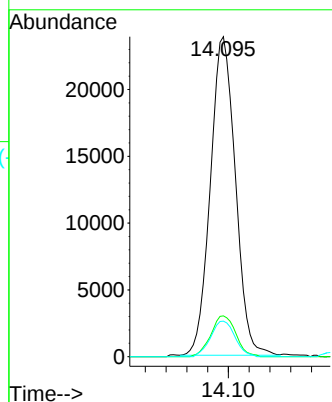


#95
Naphthalene
Concen: 7.77 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

Instrument :
MSVOA_U
ClientSampled :



Tgt Ion:128 Resp: 39849
Ion Ratio Lower Upper
128 100
127 12.8 10.9 16.3
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.24 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. -0.003 min
Lab File: VU042949.D
Acq: 06 Apr 2021 13:08

Tgt Ion:180 Resp: 527
Ion Ratio Lower Upper
180 100
182 97.0 47.5 142.6
145 0.0 15.0 45.0#

