

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051221\
 Data File : VU043680.D
 Acq On : 12 May 2021 16:16
 Operator : SY/MD
 Sample : M2322-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 13 01:33:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 09:51:45 2021
 Response via : Initial Calibration

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

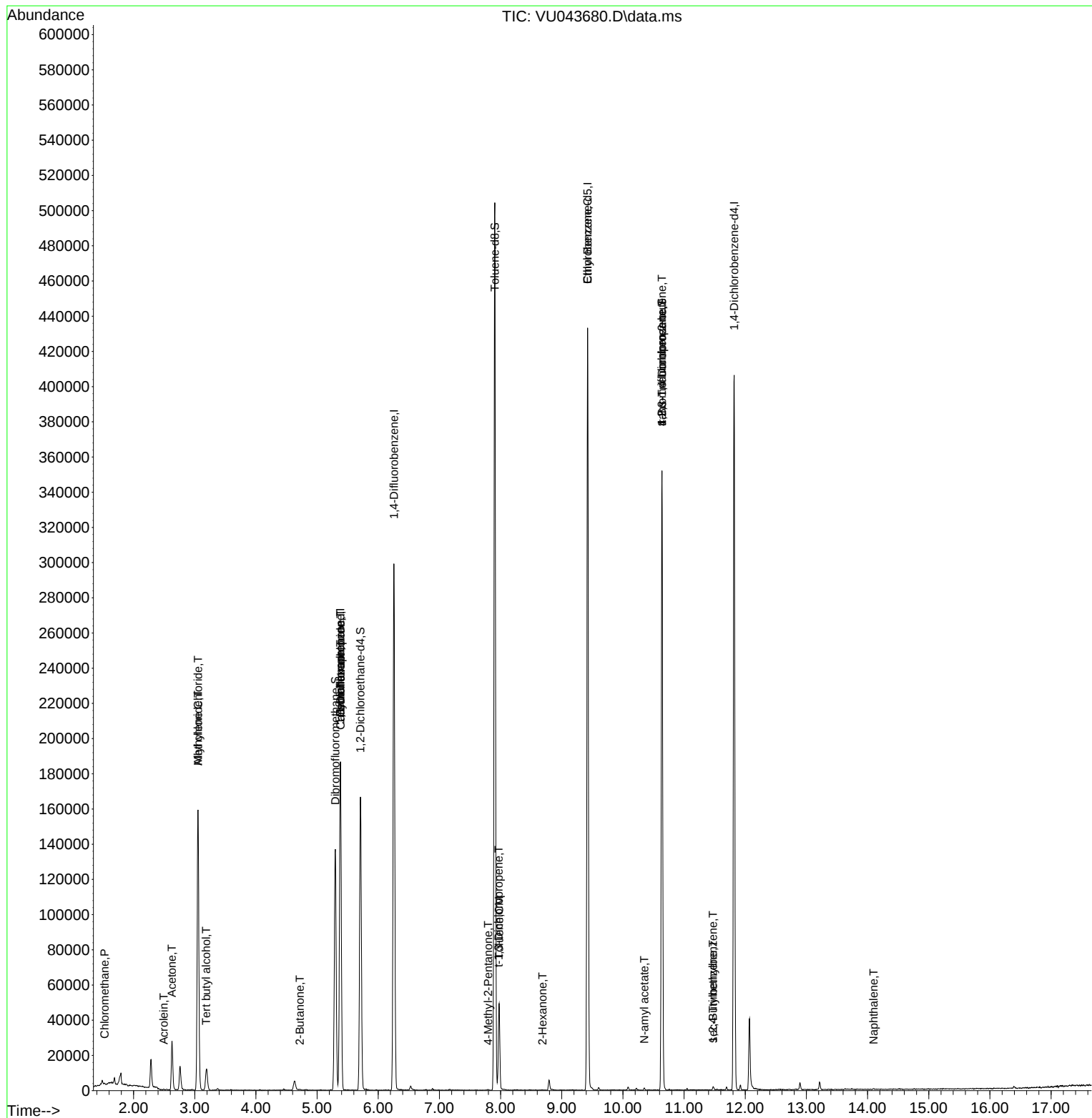
Internal Standards						
1) Pentafluorobenzene	5.382	168	119896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	216877	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	208947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	94579	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	125935	50.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.56%	
35) Dibromofluoromethane	5.298	113	85553	47.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.60%	
50) Toluene-d8	7.906	98	303059	50.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	10.639	95	106967	45.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.16%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.526	50	1079	0.81	ug/l #	84
11) Tert butyl alcohol	3.189	59	8451	12.98	ug/l #	73
13) Acrolein	2.494	56	258	6.92	ug/l	97
14) Allyl chloride	3.054	41	3073	0.88	ug/l #	25
16) Acetone	2.626	43	31463	23.35	ug/l	96
20) Methylene Chloride	3.054	84	67191	35.44	ug/l	97
25) 2-Butanone	4.716	43	693	0.33	ug/l #	56
31) Cyclohexane	5.382	56	3429	1.18	ug/l #	19
36) 1,1-Dichloropropene	5.378	75	11165	4.53	ug/l #	51
38) Carbon Tetrachloride	5.385	117	12781	5.12	ug/l #	17
51) 4-Methyl-2-Pentanone	7.796	43	467	19.27	ug/l #	41
52) Toluene	7.976	92	18019	4.22	ug/l	98
53) t-1,3-Dichloropropene	7.970	75	113	2.28	ug/l #	1
59) 2-Hexanone	8.687	43	71	20.73	ug/l #	30
67) Ethyl Benzene	9.423	91	451	1.50	ug/l #	45
74) N-amyl acetate	10.349	43	173	2.55	ug/l #	5
76) 1,2,3-Trichloropropane	10.639	75	60154	20.00	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.639	75	60154	65.14	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.471	105	762	1.23	ug/l #	33
85) sec-Butylbenzene	11.471	105	762	1.43	ug/l #	59
95) Naphthalene	14.098	128	486	1.58	ug/l #	69

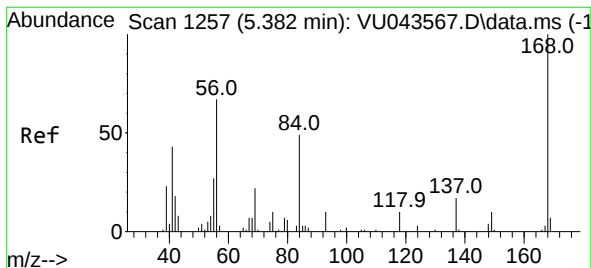
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
Quant Title : SW846 8260
QLast Update : Tue May 11 09:51:45 2021
Response via : Initial Calibration

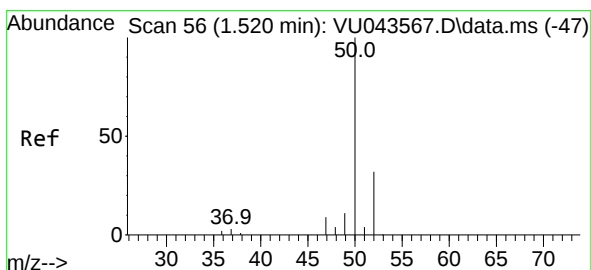
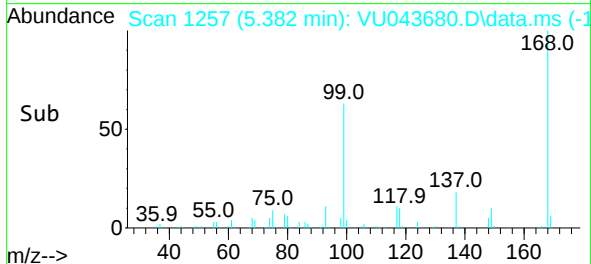
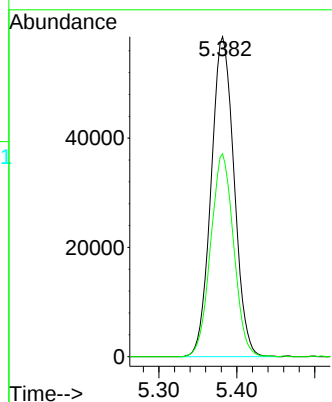
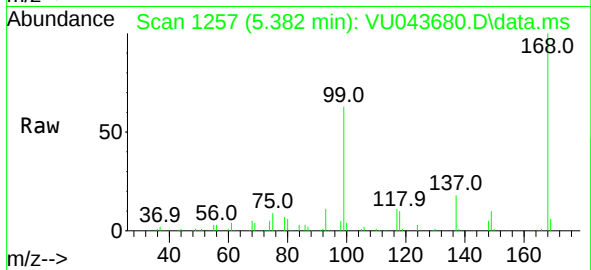




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16

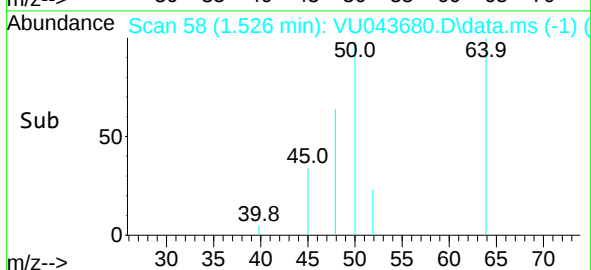
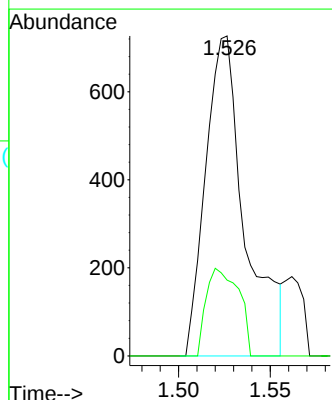
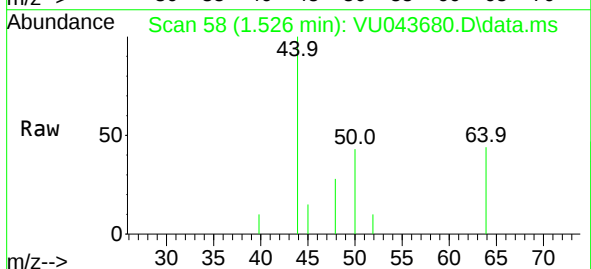
Instrument :
MSVOA_U
ClientSampleId :

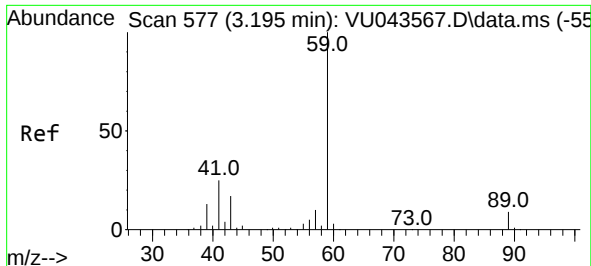
Tgt Ion:168 Resp: 119896
Ion Ratio Lower Upper
168 100
99 63.4 49.0 73.6



#3
Chloromethane
Concen: 0.81 ug/l
RT: 1.526 min Scan# 58
Delta R.T. 0.006 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16

Tgt Ion: 50 Resp: 1079
Ion Ratio Lower Upper
50 100
52 23.7 25.9 38.9#

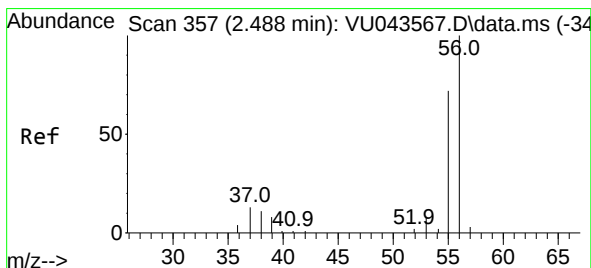
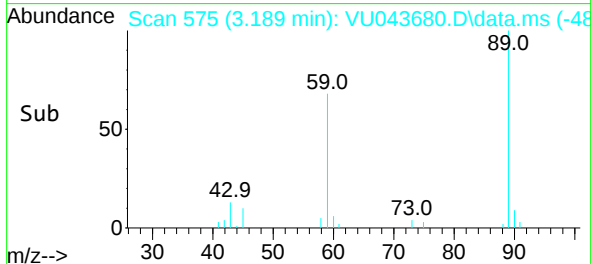
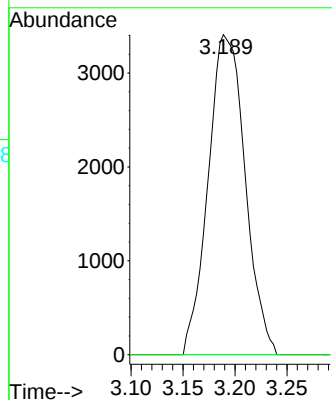
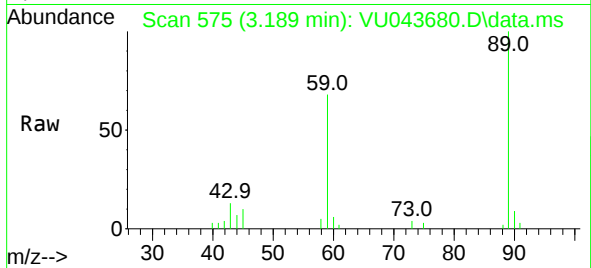




#11
Tert butyl alcohol
Concen: 12.98 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.006 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16

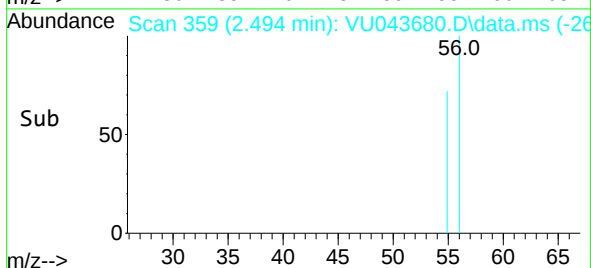
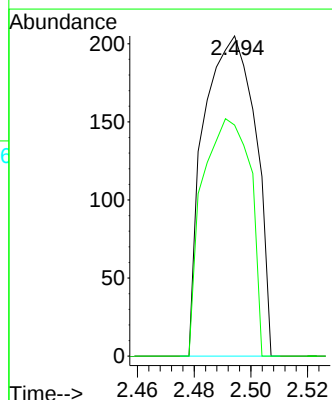
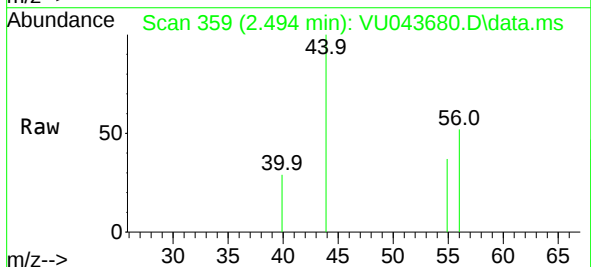
Instrument :
MSVOA_U
ClientSampleId :

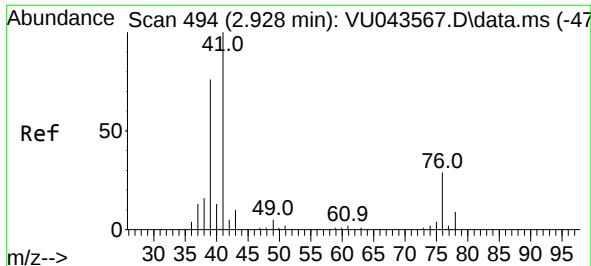
Tgt Ion: 59 Resp: 8451
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 6.92 ug/l
RT: 2.494 min Scan# 359
Delta R.T. 0.006 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16

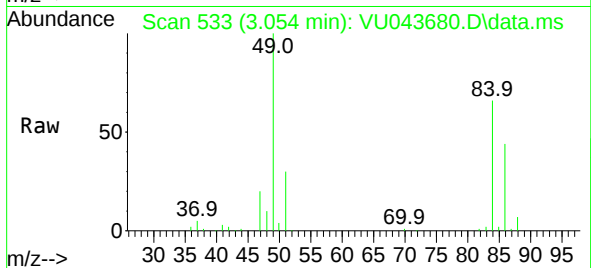
Tgt Ion: 56 Resp: 258
Ion Ratio Lower Upper
56 100
55 68.6 56.9 85.3



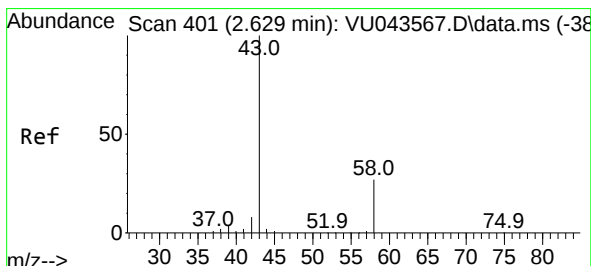
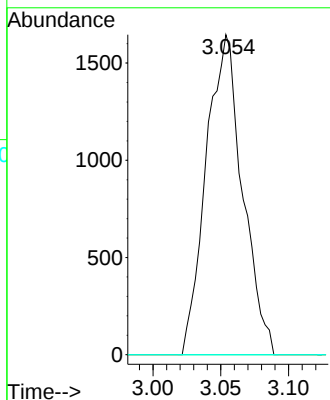
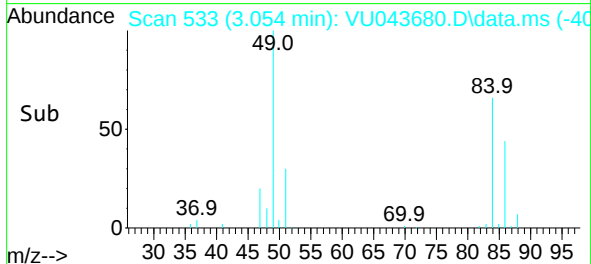


#14
 Allyl chloride
 Concen: 0.88 ug/l
 RT: 3.054 min Scan# 533
 Delta R.T. 0.125 min
 Lab File: VU043680.D
 Acq: 12 May 2021 16:16

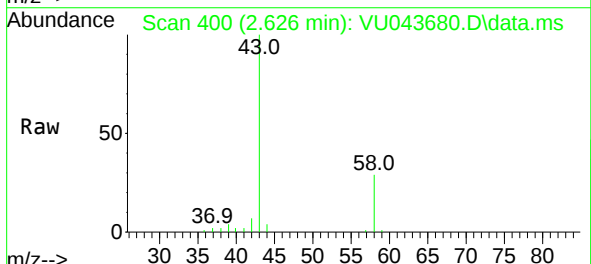
Instrument :
 MSVOA_U
 ClientSampleId :



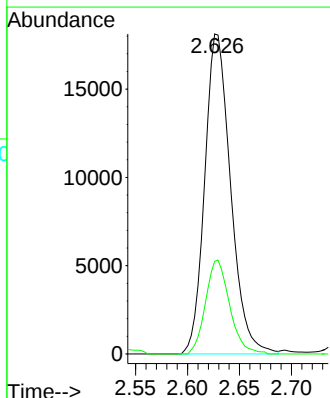
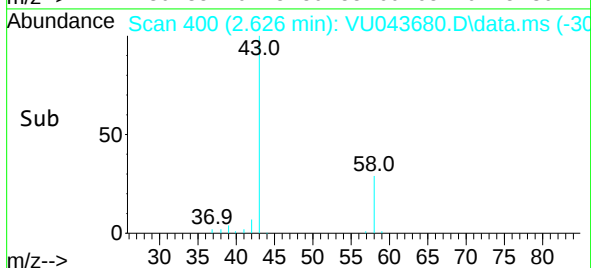
Tgt Ion: 41 Resp: 3073
 Ion Ratio Lower Upper
 41 100
 39 0.0 54.5 81.7#
 76 0.0 19.9 29.9#

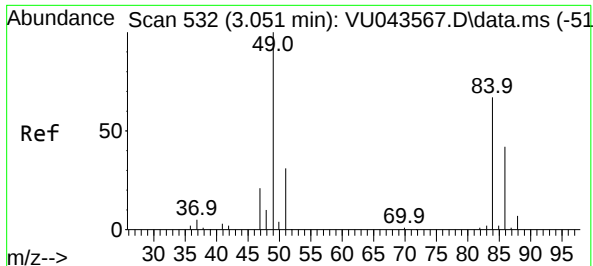


#16
 Acetone
 Concen: 23.35 ug/l
 RT: 2.626 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU043680.D
 Acq: 12 May 2021 16:16



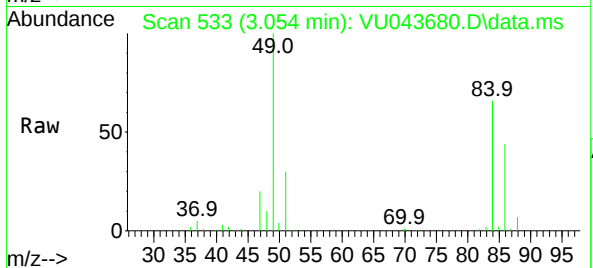
Tgt Ion: 43 Resp: 31463
 Ion Ratio Lower Upper
 43 100
 58 29.0 21.7 32.5





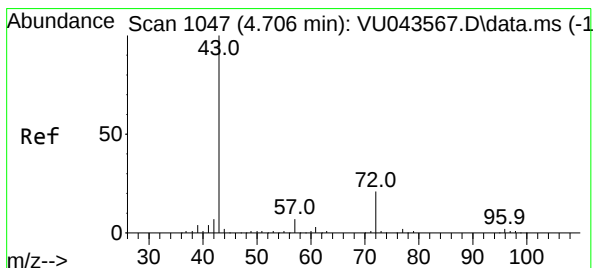
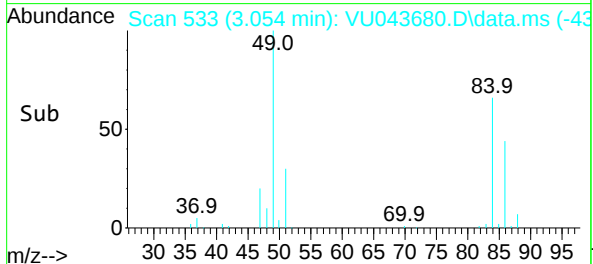
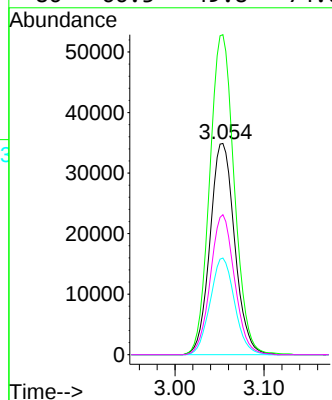
#20
Methylene Chloride
Concen: 35.44 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16

Instrument :
MSVOA_U
ClientSampleId :

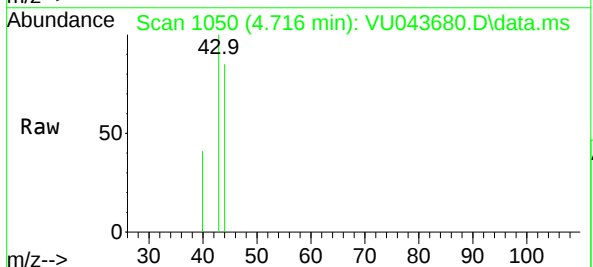


Tgt Ion: 84 Resp: 67191

Ion	Ratio	Lower	Upper
84	100		
49	151.6	119.0	178.4
51	45.8	36.8	55.2
86	66.3	49.8	74.6

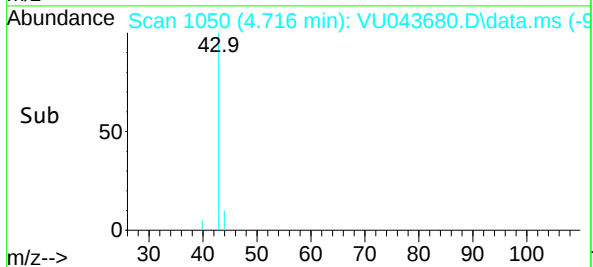
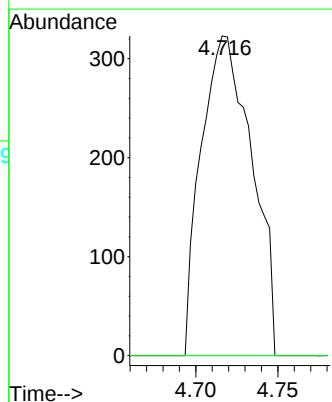


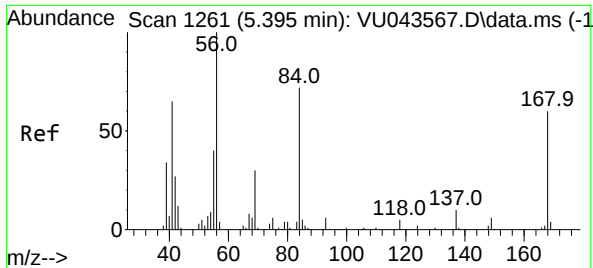
#25
2-Butanone
Concen: 0.33 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.010 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16



Tgt Ion: 43 Resp: 693

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.5	24.7#

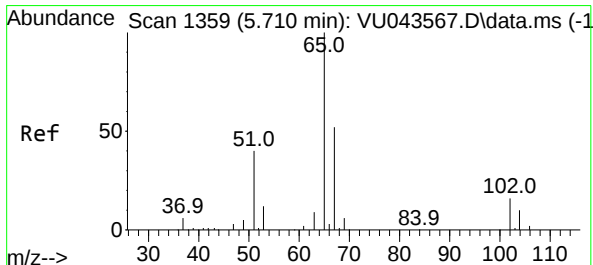
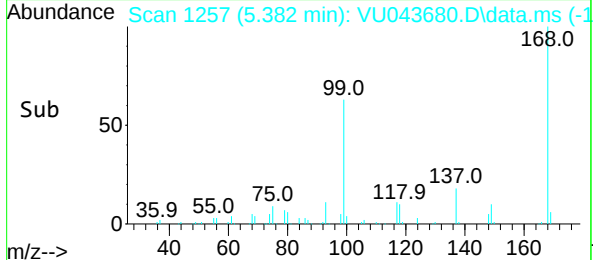
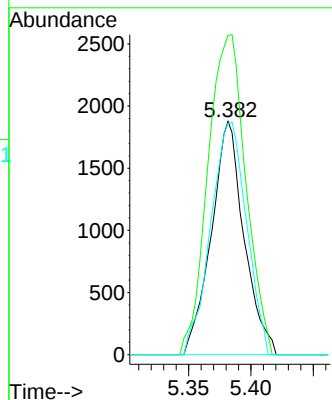
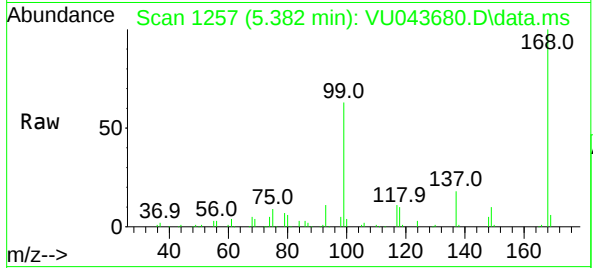




#31
Cyclohexane
Concen: 1.18 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16

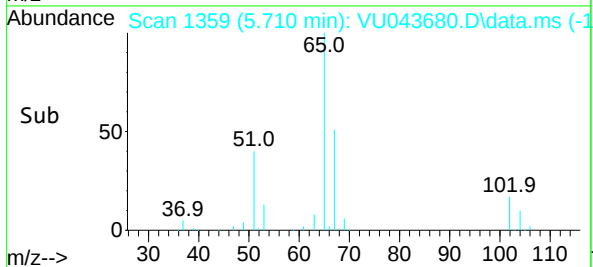
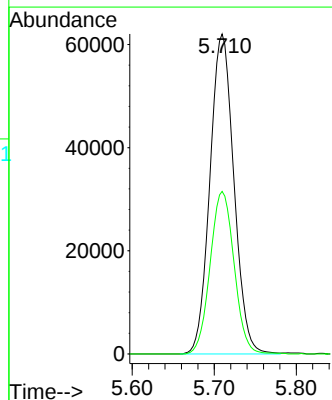
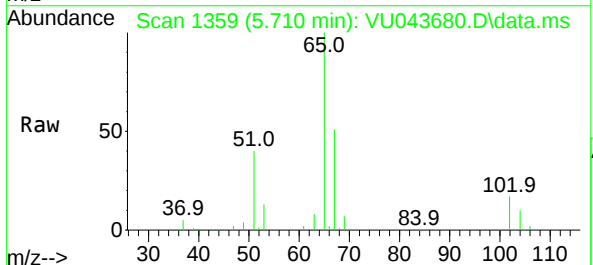
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MSVOA_U
ClientSampleId :

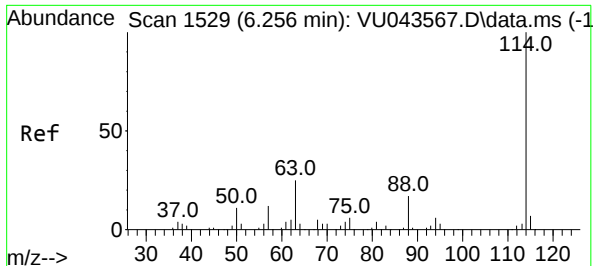
Tgt Ion: 56 Resp: 3429
Ion Ratio Lower Upper
56 100
69 136.9 23.9 35.9#
84 99.4 57.7 86.5#



#33
1,2-Dichloroethane-d4
Concen: 50.78 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16

Tgt Ion: 65 Resp: 125935
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.256 min Scan# 1529

Delta R.T. 0.000 min

Lab File: VU043680.D

Acq: 12 May 2021 16:16

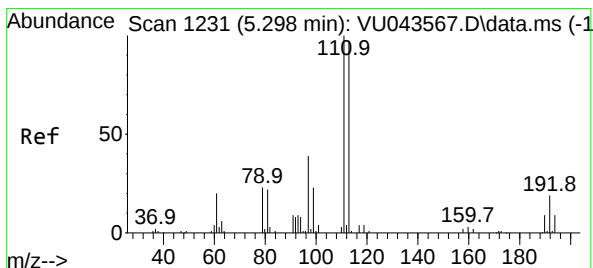
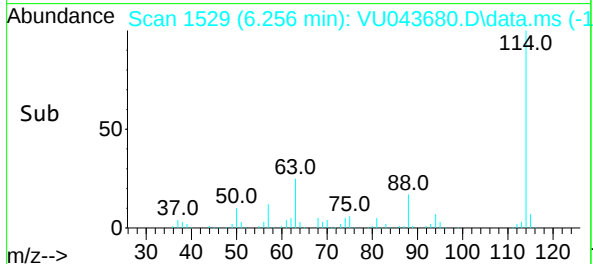
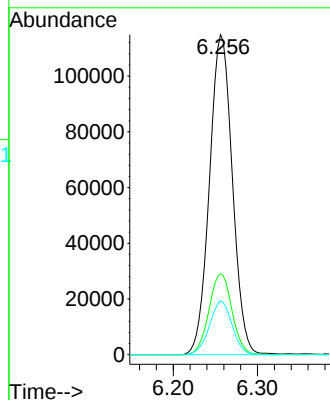
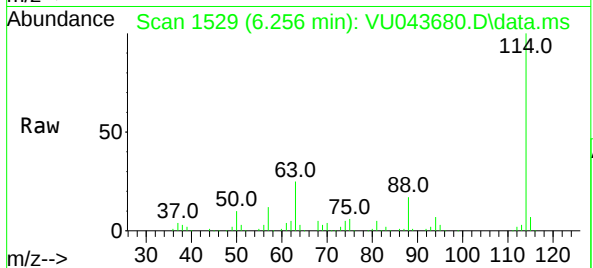
Tgt Ion:114 Resp: 216877

Ion Ratio Lower Upper

114 100

63 25.3 0.0 50.2

88 16.8 0.0 33.8



#35

Dibromofluoromethane

Concen: 47.80 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VU043680.D

Acq: 12 May 2021 16:16

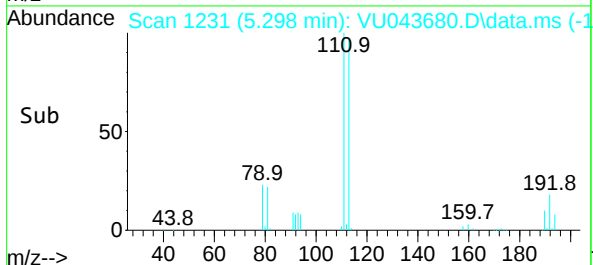
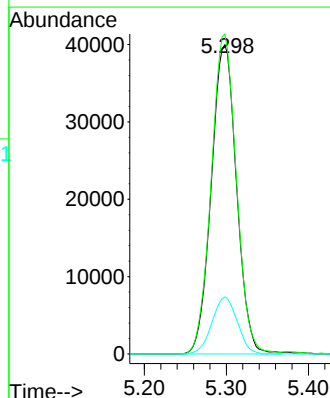
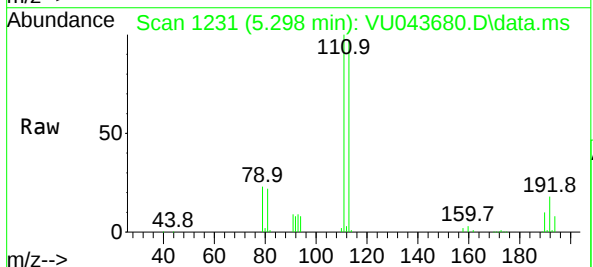
Tgt Ion:113 Resp: 85553

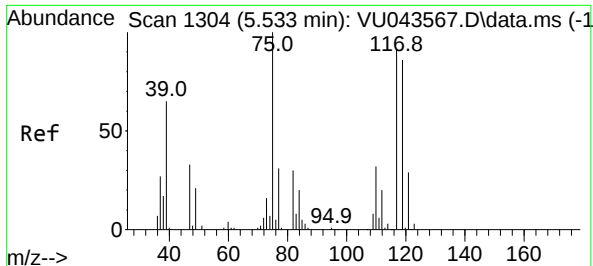
Ion Ratio Lower Upper

113 100

111 103.0 82.3 123.5

192 18.4 15.8 23.6





#36

1,1-Dichloropropene

Concen: 4.53 ug/l

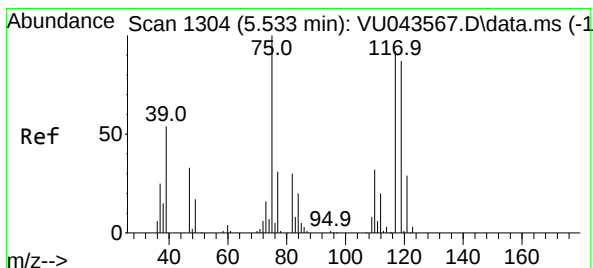
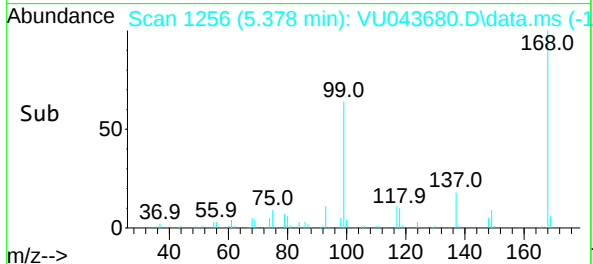
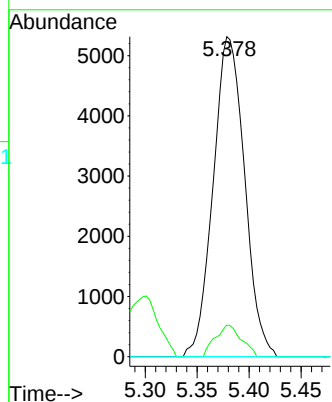
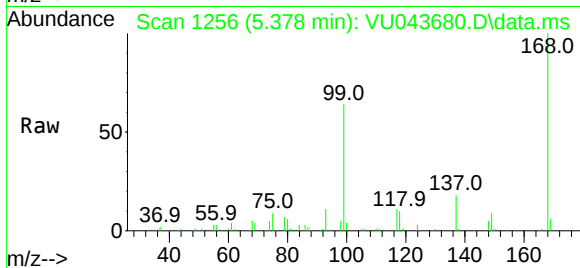
RT: 5.378 min Scan# 1256

Delta R.T. -0.154 min

Lab File: VU043680.D

Acq: 12 May 2021 16:16

Tgt Ion:	75	Resp:	11165
Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.2	48.5#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 5.12 ug/l

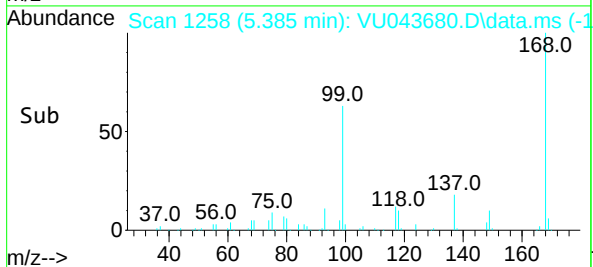
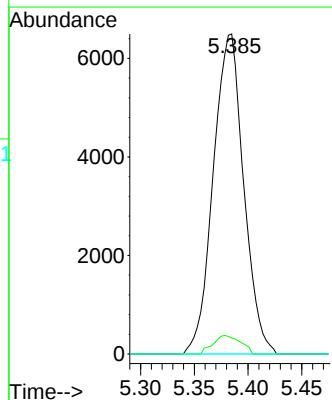
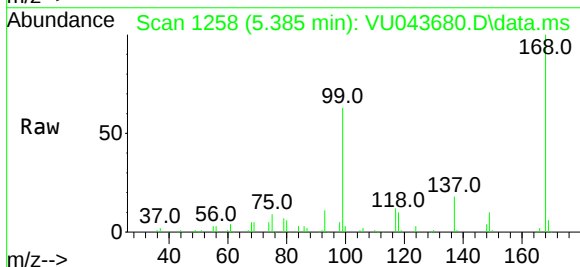
RT: 5.385 min Scan# 1258

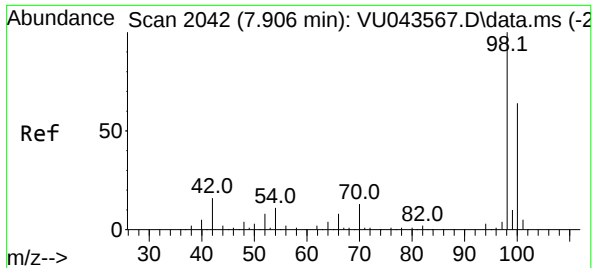
Delta R.T. -0.148 min

Lab File: VU043680.D

Acq: 12 May 2021 16:16

Tgt Ion:	117	Resp:	12781
Ion	Ratio	Lower	Upper
117	100		
119	5.0	75.4	113.0#
121	0.0	25.2	37.8#

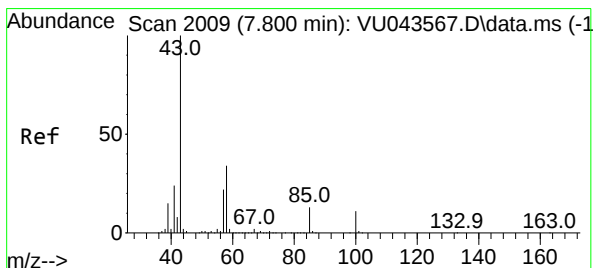
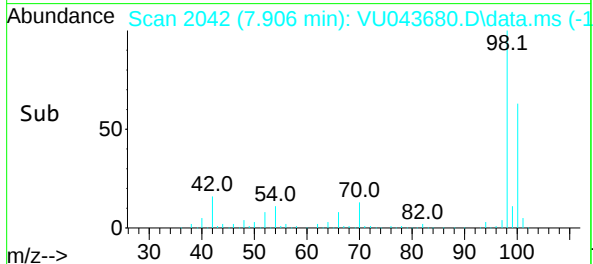
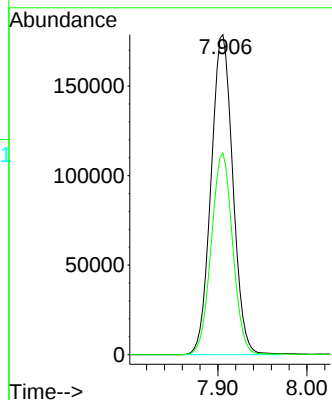
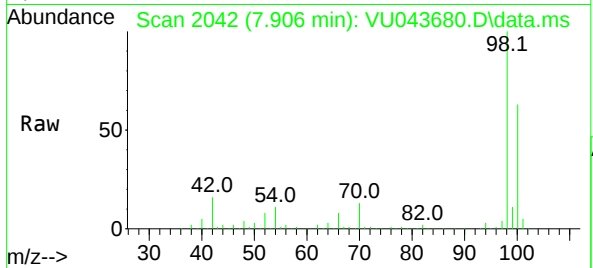




#50
Toluene-d8
Concen: 50.32 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16

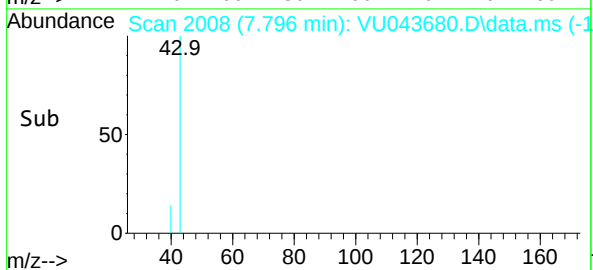
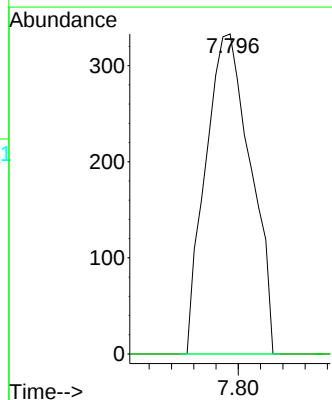
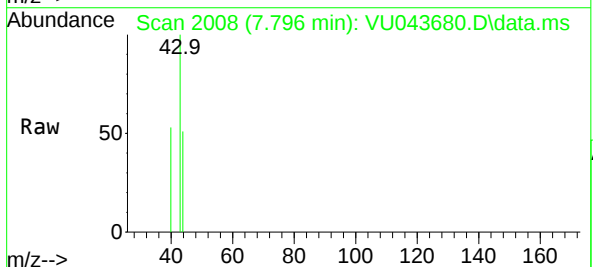
Instrument :
MSVOA_U
ClientSampled :

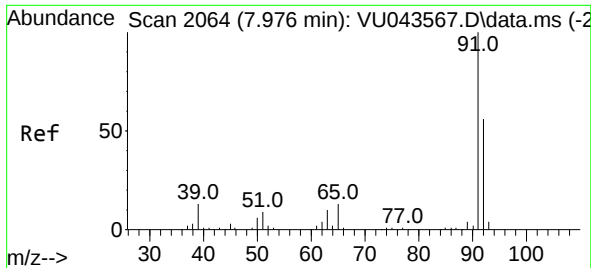
Tgt Ion: 98 Resp: 303059
Ion Ratio Lower Upper
98 100
100 62.1 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 19.27 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.004 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16

Tgt Ion: 43 Resp: 467
Ion Ratio Lower Upper
43 100
58 0.0 27.2 40.8#

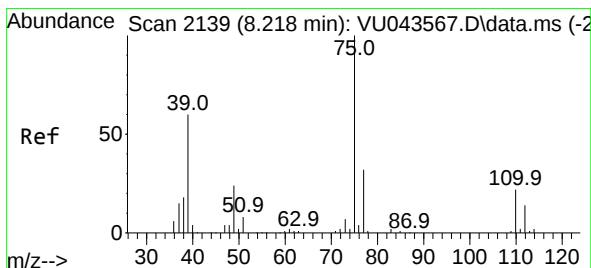
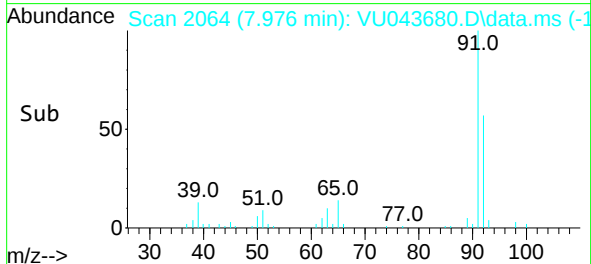
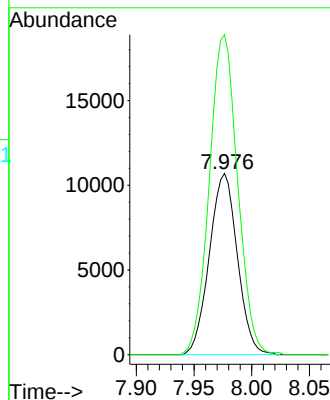
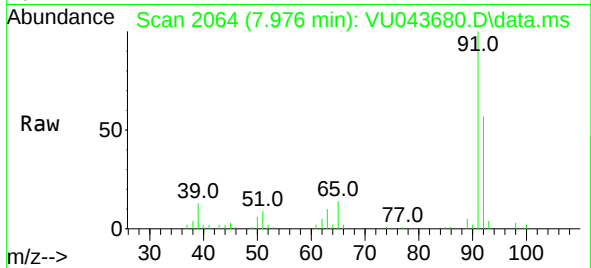




#52
Toluene
Concen: 4.22 ug/l
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16

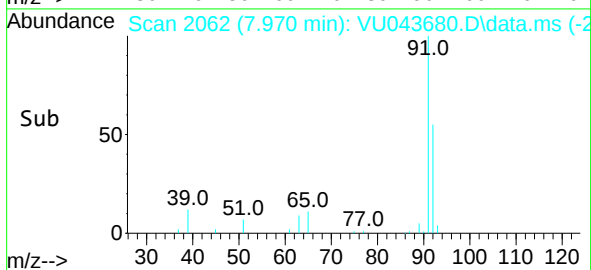
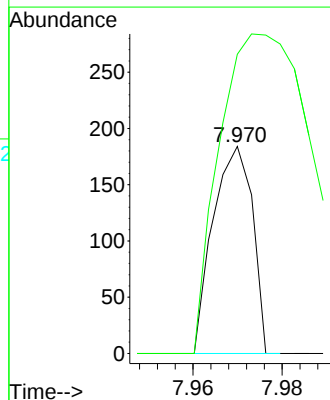
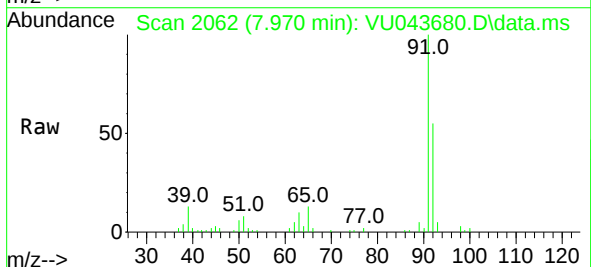
Instrument :
MSVOA_U
ClientSampleId :

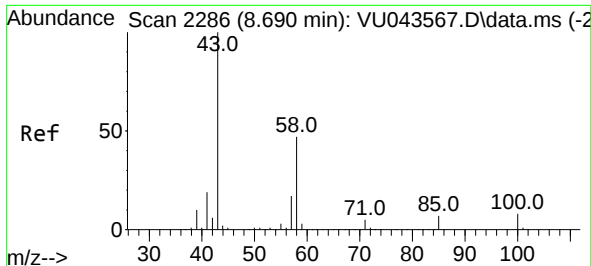
Tgt Ion: 92 Resp: 18019
Ion Ratio Lower Upper
92 100
91 178.6 140.9 211.3



#53
t-1,3-Dichloropropene
Concen: 2.28 ug/l
RT: 7.970 min Scan# 2062
Delta R.T. -0.248 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16

Tgt Ion: 75 Resp: 113
Ion Ratio Lower Upper
75 100
77 144.6 25.5 38.3#

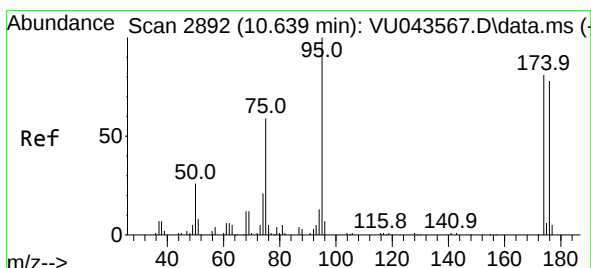
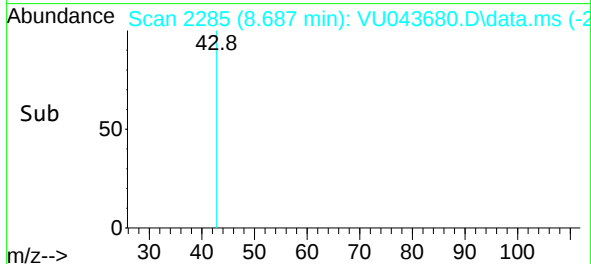
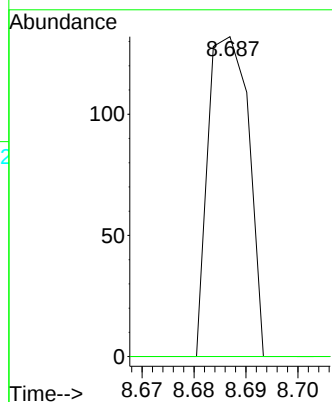
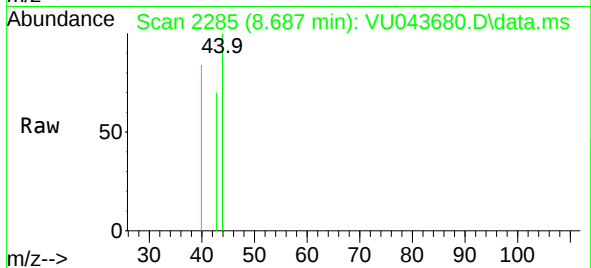




#59
2-Hexanone
Concen: 20.73 ug/l
RT: 8.687 min Scan# 2285
Delta R.T. -0.003 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16

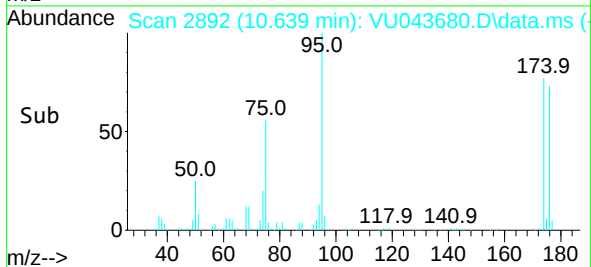
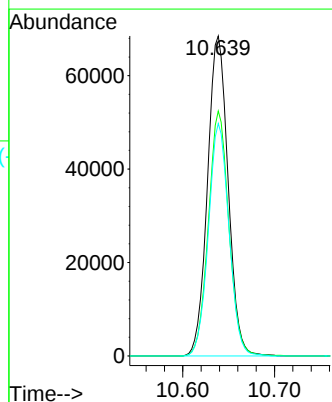
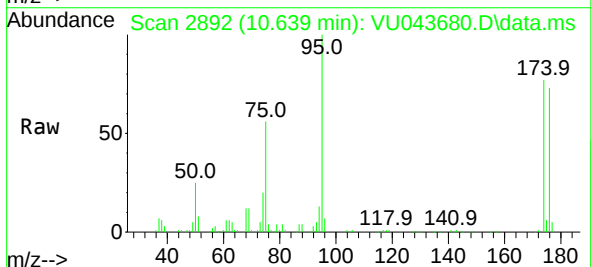
Instrument :
MSVOA_U
ClientSampled :

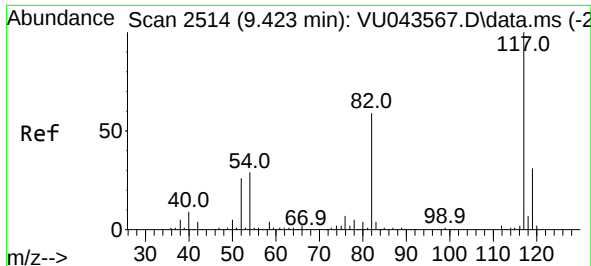
Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
58 0.0 23.4 70.2#



#62
4-Bromofluorobenzene
Concen: 45.58 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16

Tgt Ion: 95 Resp: 106967
Ion Ratio Lower Upper
95 100
174 76.1 0.0 158.8
176 72.2 0.0 155.6

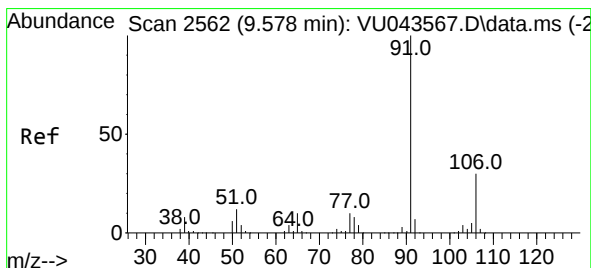
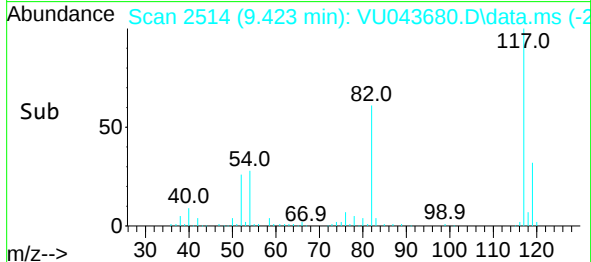
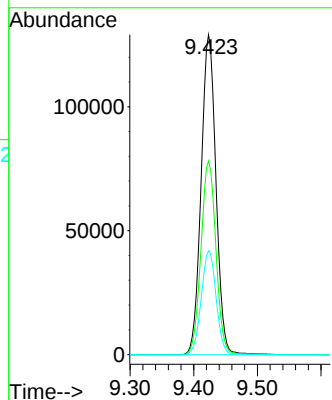
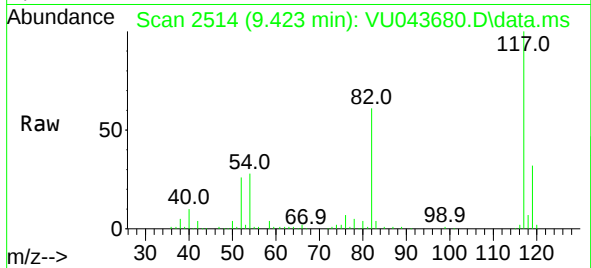




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16

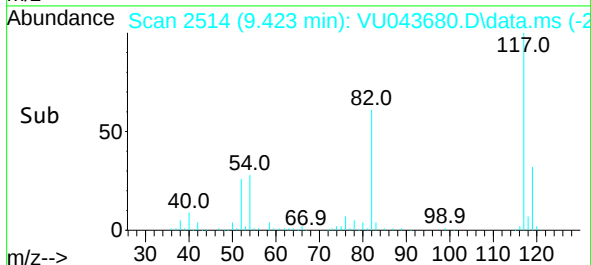
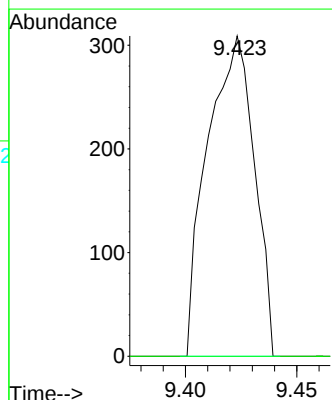
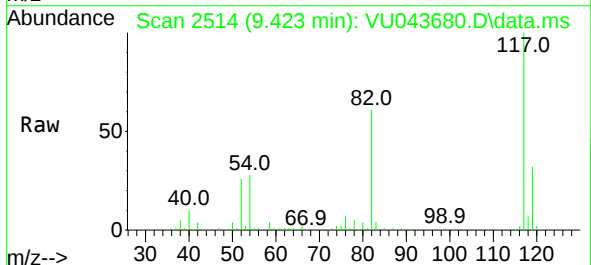
Instrument :
MSVOA_U
ClientSampled :

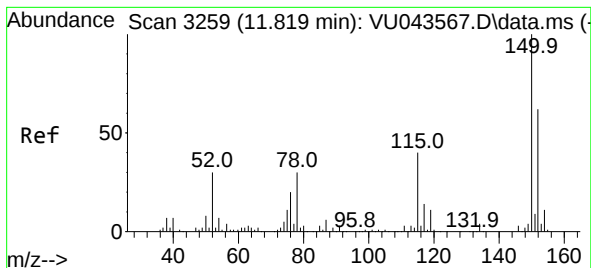
Tgt Ion:117 Resp: 208947
Ion Ratio Lower Upper
117 100
82 60.6 47.5 71.3
119 32.4 24.7 37.1



#67
Ethyl Benzene
Concen: 1.50 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.155 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16

Tgt Ion: 91 Resp: 451
Ion Ratio Lower Upper
91 100
106 0.0 24.0 36.0#

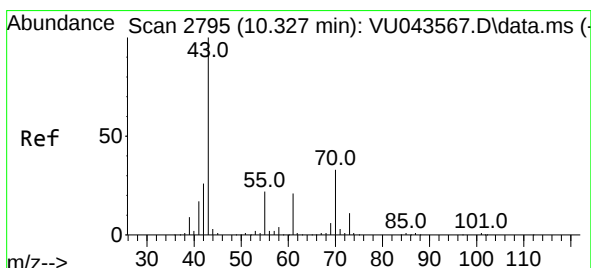
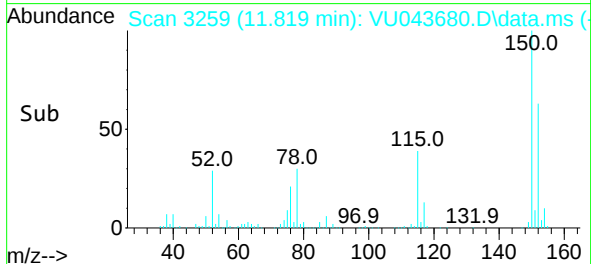
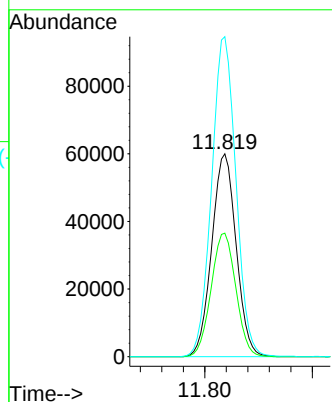
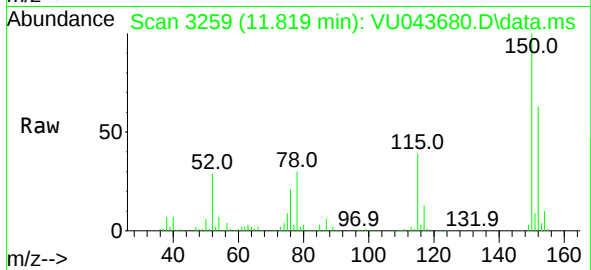




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16

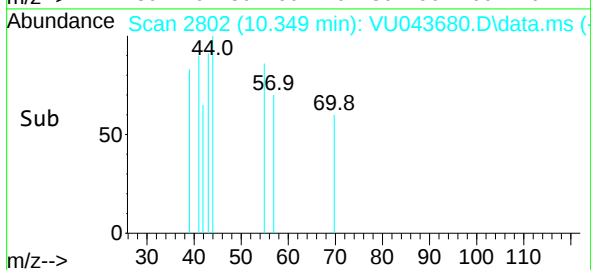
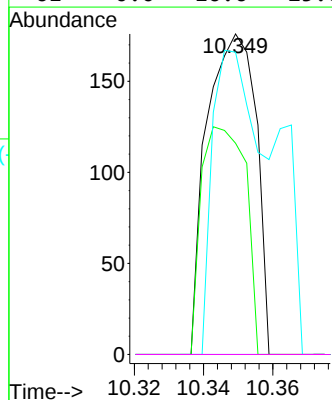
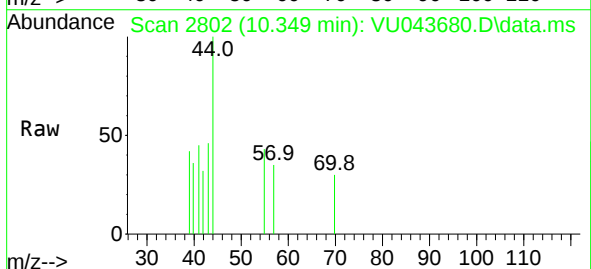
Instrument :
MSVOA_U
ClientSampleId :

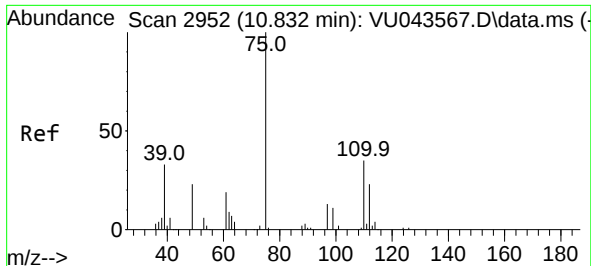
Tgt Ion:152 Resp: 94579
Ion Ratio Lower Upper
152 100
115 61.5 46.1 138.3
150 157.3 0.0 361.0



#74
N-ethyl acetate
Concen: 2.55 ug/l
RT: 10.349 min Scan# 2802
Delta R.T. 0.022 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16

Tgt Ion: 43 Resp: 173
Ion Ratio Lower Upper
43 100
70 63.6 26.4 39.6#
55 119.7 18.0 27.0#
61 0.0 16.6 25.0#

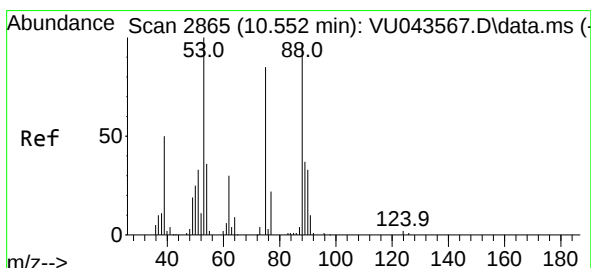
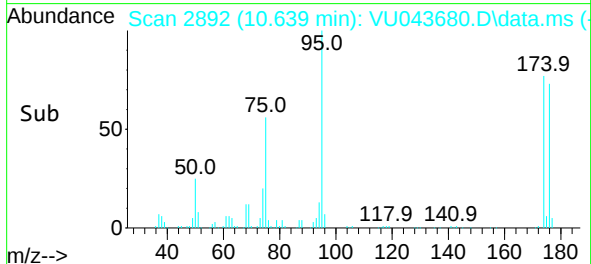
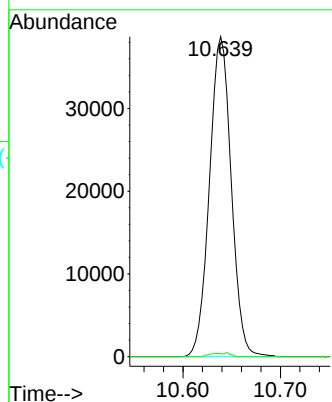
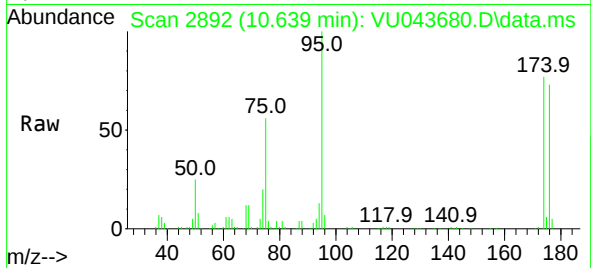




#76
1,2,3-Trichloropropane
Concen: 20.00 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16

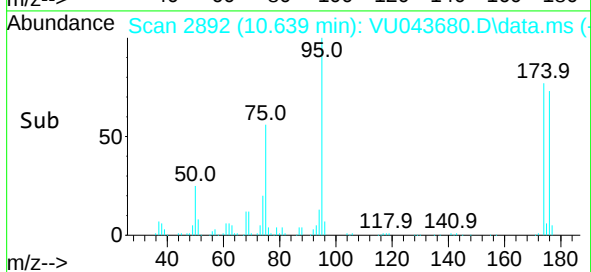
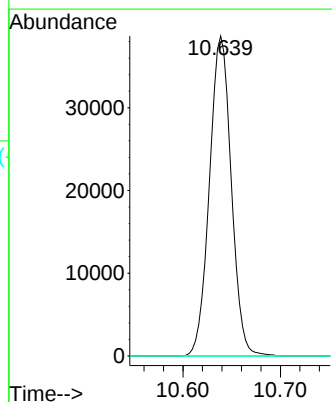
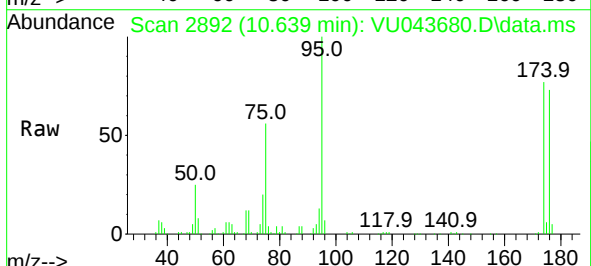
Instrument :
MSVOA_U
ClientSampleId :

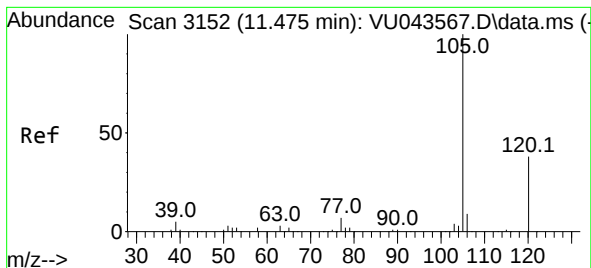
Tgt Ion: 75 Resp: 60154
Ion Ratio Lower Upper
75 100
77 1.0 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.14 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16

Tgt Ion: 75 Resp: 60154
Ion Ratio Lower Upper
75 100
53 0.0 95.8 143.8#
89 0.0 36.1 54.1#

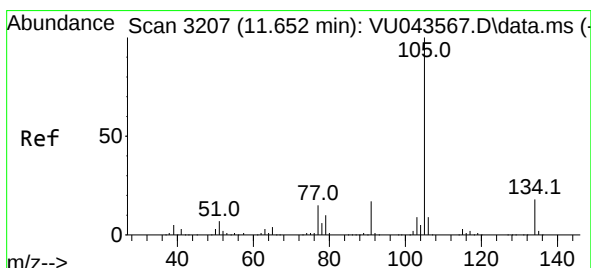
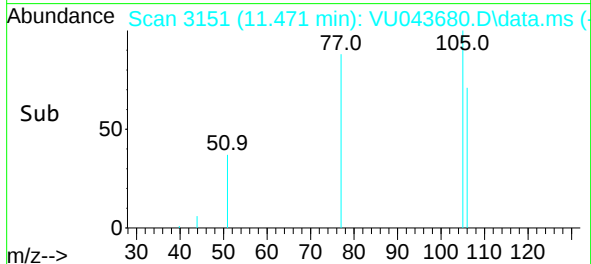
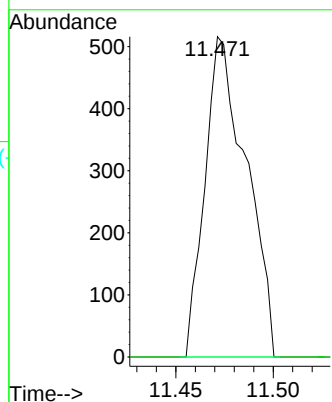
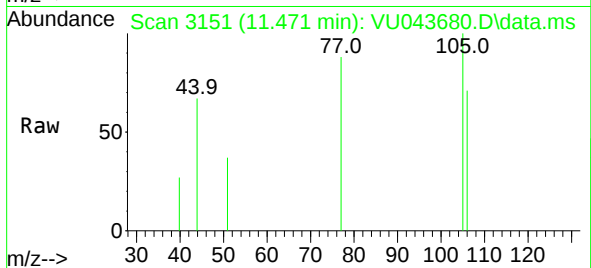




#84
1,2,4-Trimethylbenzene
Concen: 1.23 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. -0.004 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16

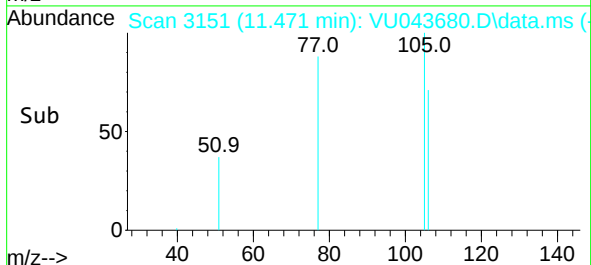
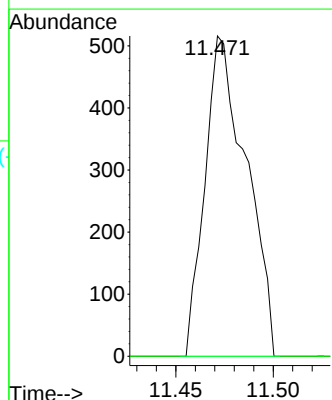
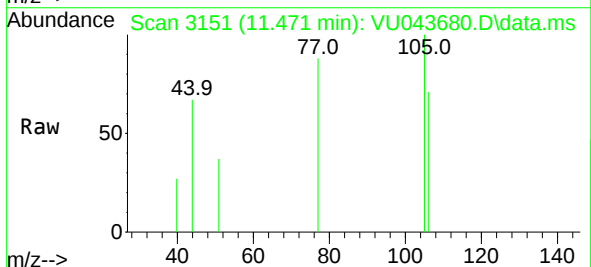
Instrument :
MSVOA_U
ClientSampleId :

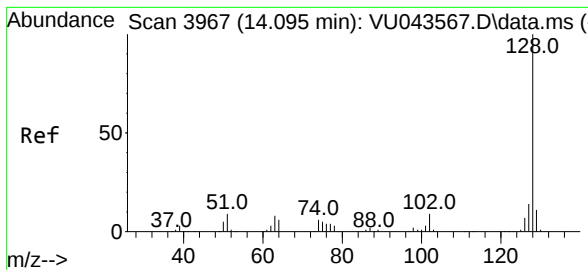
Tgt Ion:105 Resp: 762
Ion Ratio Lower Upper
105 100
120 0.0 21.4 64.2#



#85
sec-Butylbenzene
Concen: 1.43 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. -0.181 min
Lab File: VU043680.D
Acq: 12 May 2021 16:16

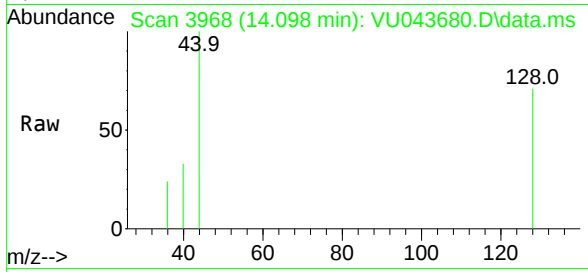
Tgt Ion:105 Resp: 762
Ion Ratio Lower Upper
105 100
134 0.0 9.2 27.6#





#95
 Naphthalene
 Concen: 1.58 ug/l
 RT: 14.098 min Scan# 3968
 Delta R.T. 0.003 min
 Lab File: VU043680.D
 Acq: 12 May 2021 16:16

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:128 Resp: 486
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.7 16.1#
 129 0.0 8.6 12.8#

