

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041321\
 Data File : VU043050.D
 Acq On : 13 Apr 2021 14:41
 Operator : SY/MD
 Sample : M1991-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 14 03:50:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 12 13:17:29 2021
 Response via : Initial Calibration

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

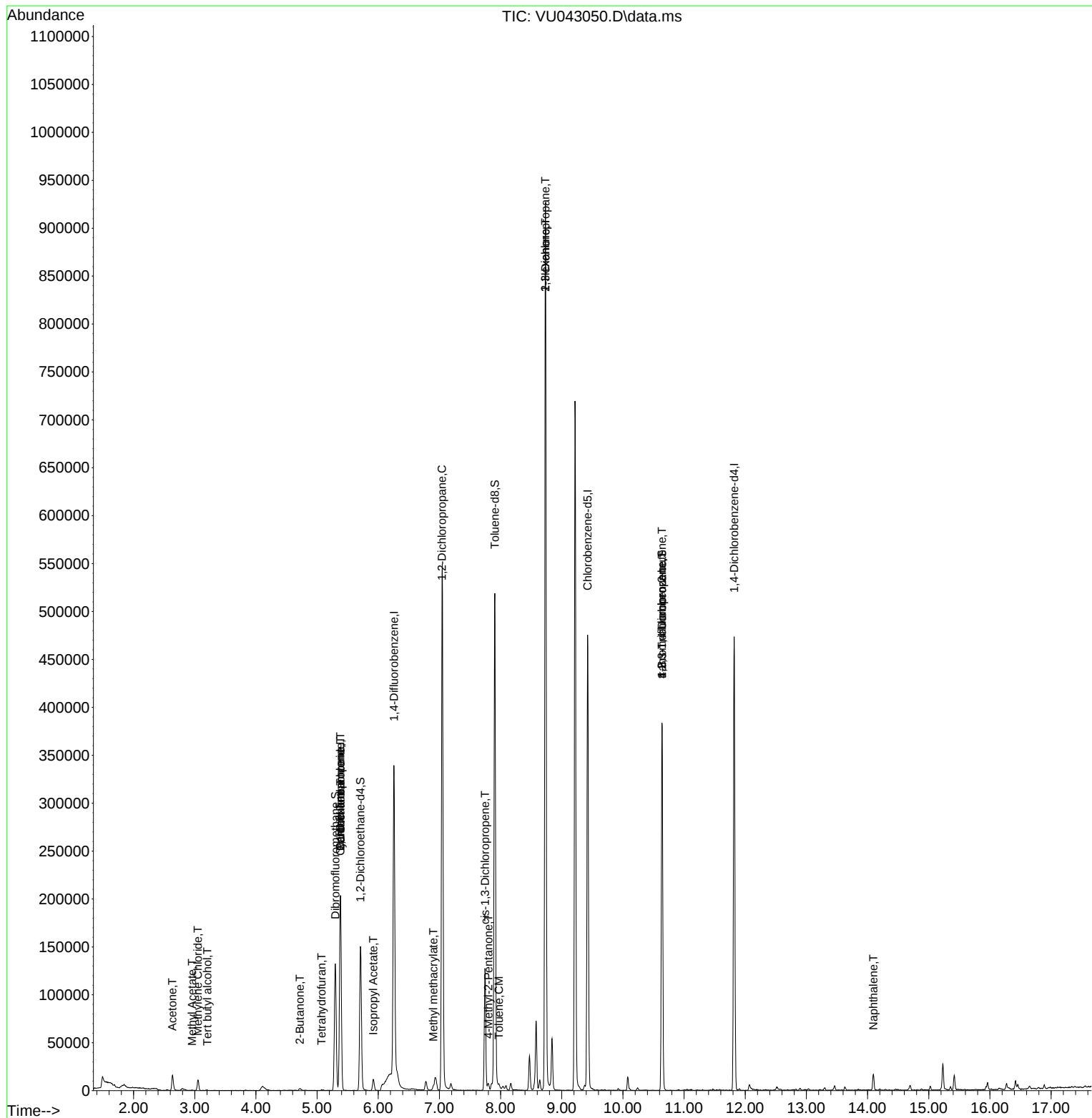
Internal Standards						
1) Pentafluorobenzene	5.382	168	138065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	235731	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	237132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	113291	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	117051	50.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.86%	
35) Dibromofluoromethane	5.298	113	81344	45.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.84%	
50) Toluene-d8	7.906	98	310468	49.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	10.639	95	114300	45.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.08%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	536	Below Cal	#	41
11) Tert butyl alcohol	3.208	59	523	0.87	ug/l #	94
16) Acetone	2.636	43	20585	14.79	ug/l	99
18) Methyl Acetate	2.954	43	876	0.30	ug/l #	55
20) Methylene Chloride	3.050	84	4738	2.87	ug/l	96
25) 2-Butanone	4.719	43	3964	1.88	ug/l	96
29) Tetrahydrofuran	5.073	42	402	0.30	ug/l #	58
31) Cyclohexane	5.378	56	3528	1.23	ug/l #	22
36) 1,1-Dichloropropene	5.382	75	11529	4.61	ug/l #	52
38) Carbon Tetrachloride	5.382	117	14193	5.29	ug/l #	17
43) Isopropyl Acetate	5.918	43	13315	2.18	ug/l	97
45) 1,2-Dichloropropane	7.041	63	479	0.24	ug/l #	43
48) Methyl methacrylate	6.899	41	6357	2.08	ug/l #	17
51) 4-Methyl-2-Pentanone	7.799	43	5349	1.19	ug/l	90
52) Toluene	7.973	92	990	0.22	ug/l	98
54) cis-1,3-Dichloropropene	7.745	75	19203	6.13	ug/l #	66
57) 1,3-Dichloropropane	8.732	76	8563	2.61	ug/l #	43
59) 2-Hexanone	8.732	43	148689	40.02	ug/l #	54
76) 1,2,3-Trichloropropane	10.639	75	66091	19.96	ug/l #	37
81) trans-1,4-Dichloro-2-b...	10.639	75	66091	58.66	ug/l #	7
95) Naphthalene	14.095	128	13514	4.30	ug/l	100

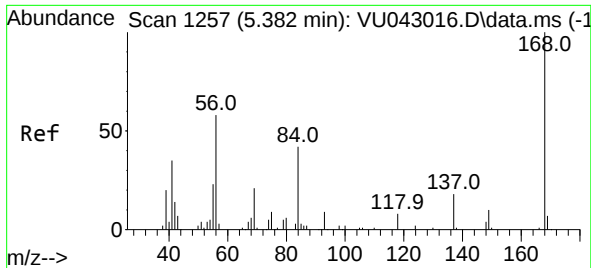
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_U
ClientSampleId :

Quant Time: Apr 14 03:50:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 12 13:17:29 2021
Response via : Initial Calibration

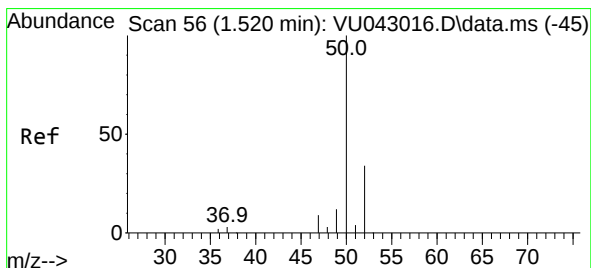
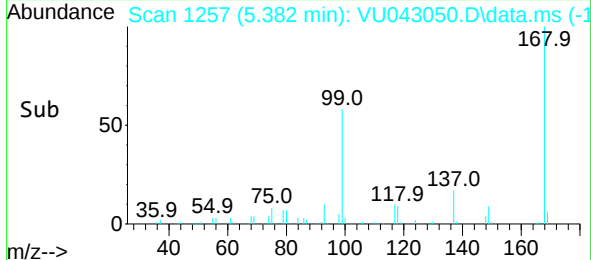
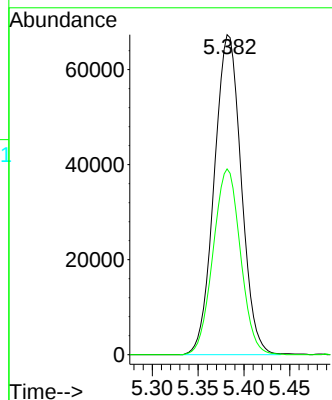
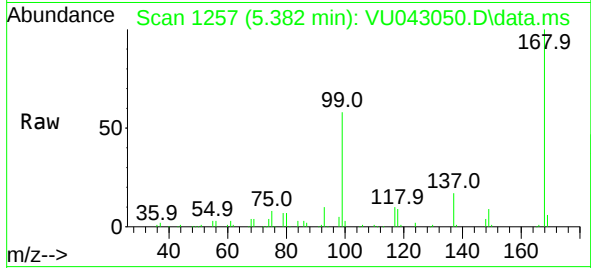




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

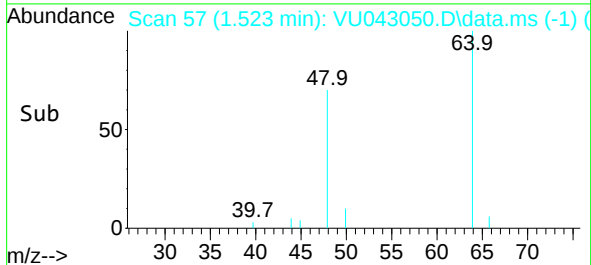
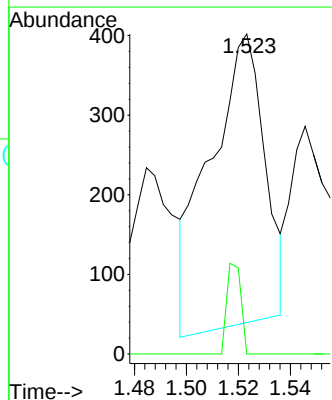
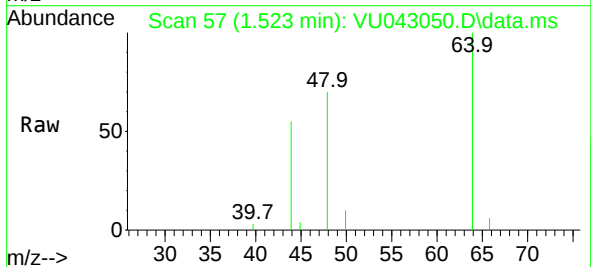
Instrument :
MSVOA_U
ClientSampleId :

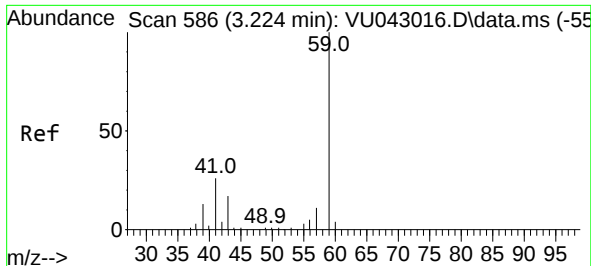
Tgt Ion:168 Resp: 138065
Ion Ratio Lower Upper
168 100
99 58.1 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

Tgt Ion: 50 Resp: 536
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

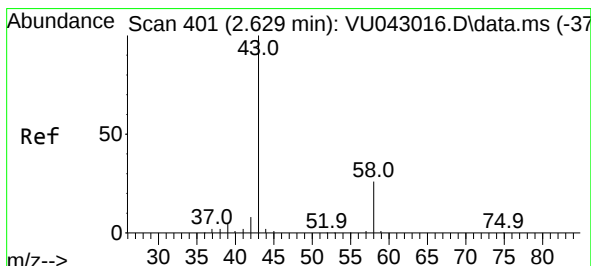
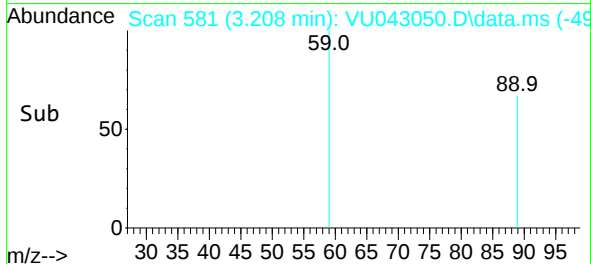
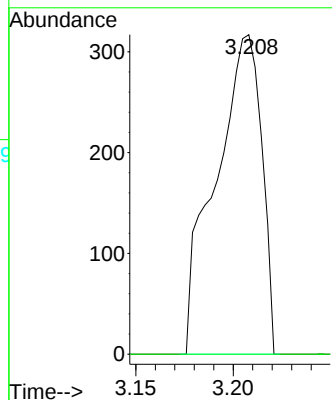
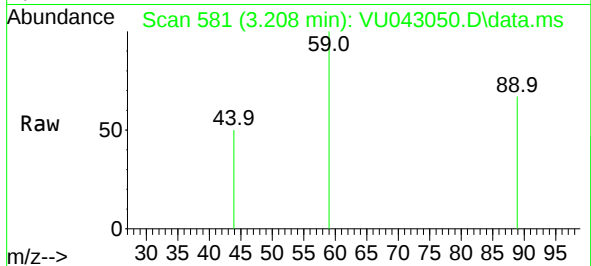




#11
Tert butyl alcohol
Concen: 0.87 ug/l
RT: 3.208 min Scan# 581
Delta R.T. -0.016 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

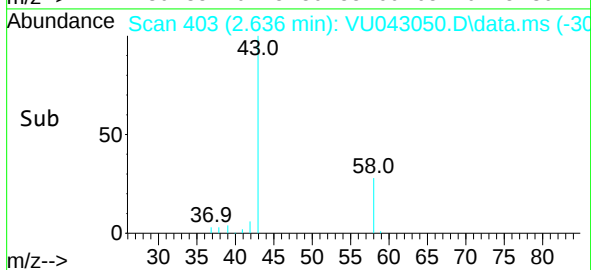
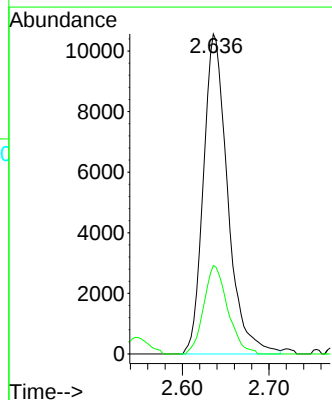
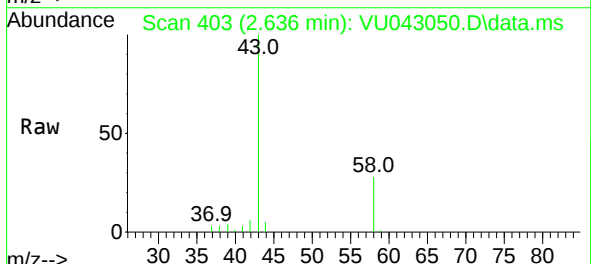
Instrument :
MSVOA_U
ClientSampled :

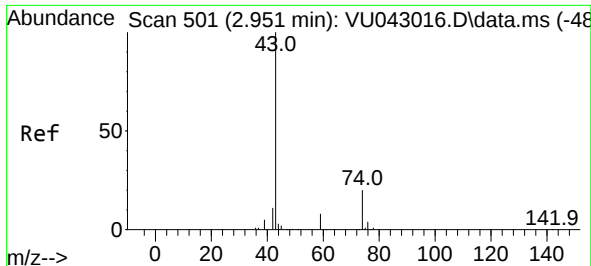
Tgt Ion: 59 Resp: 523
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#



#16
Acetone
Concen: 14.79 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.007 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

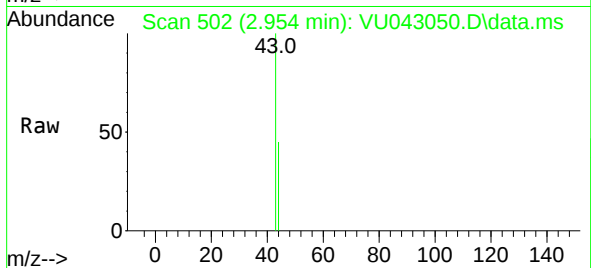
Tgt Ion: 43 Resp: 20585
Ion Ratio Lower Upper
43 100
58 27.6 21.5 32.3



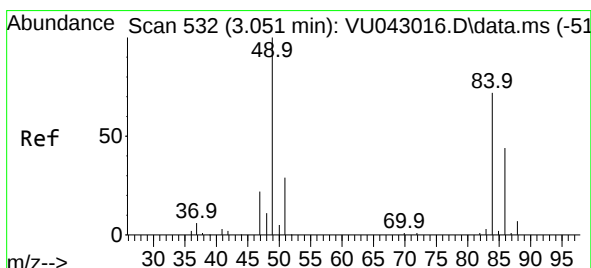
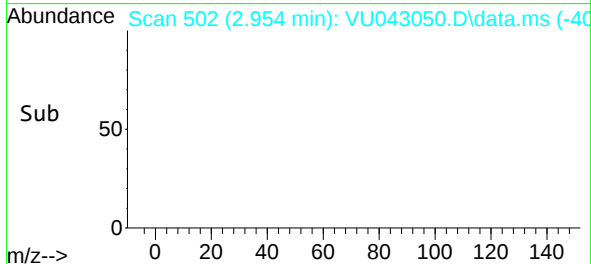
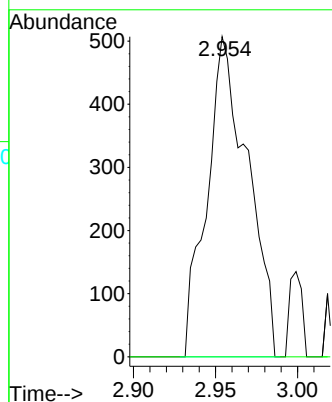


#18
Methyl Acetate
Concen: 0.30 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.003 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

Instrument :
MSVOA_U
ClientSampled :

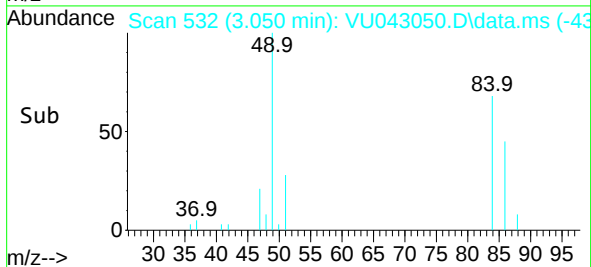
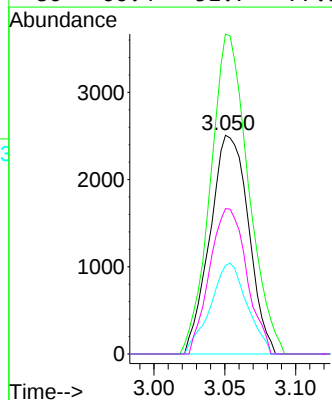
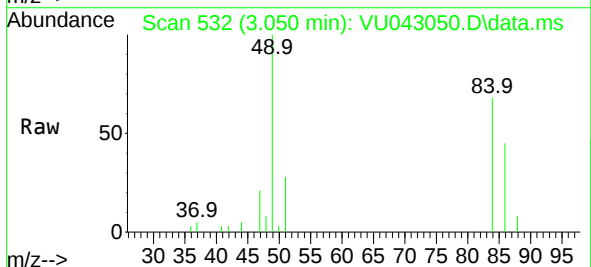


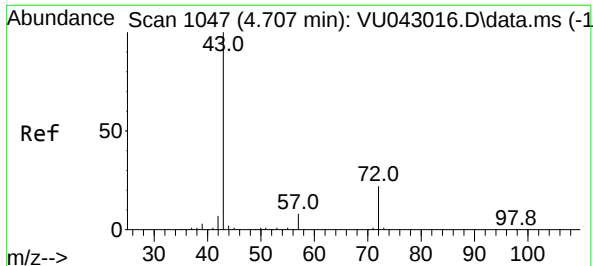
Tgt Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#20
Methylene Chloride
Concen: 2.87 ug/l
RT: 3.050 min Scan# 532
Delta R.T. -0.001 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

Tgt Ion: 84 Resp: 4738
Ion Ratio Lower Upper
84 100
49 146.3 112.6 169.0
51 40.4 33.7 50.5
86 66.4 51.7 77.5

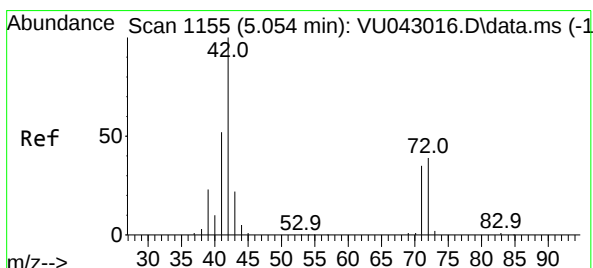
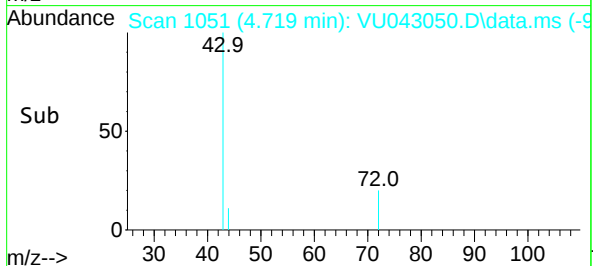
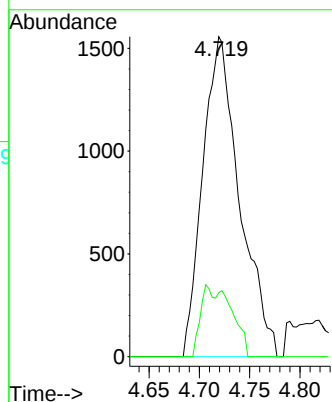
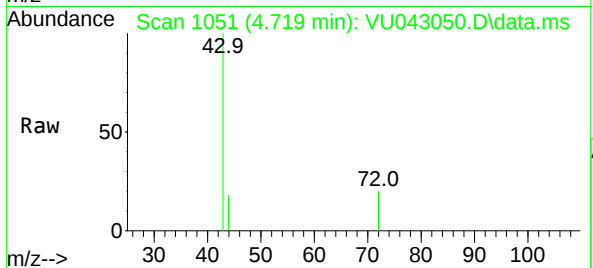




#25
2-Butanone
Concen: 1.88 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.012 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

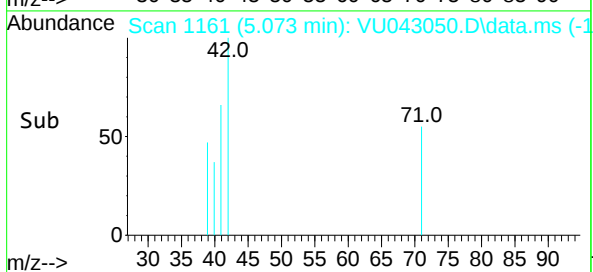
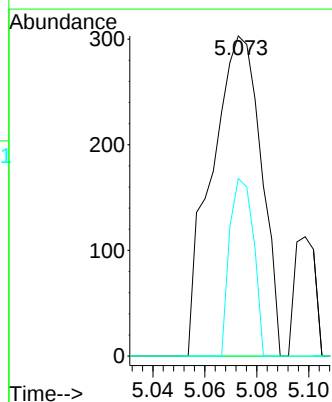
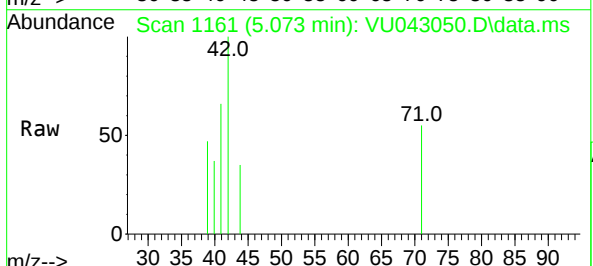
Instrument :
MSVOA_U
ClientSampled :

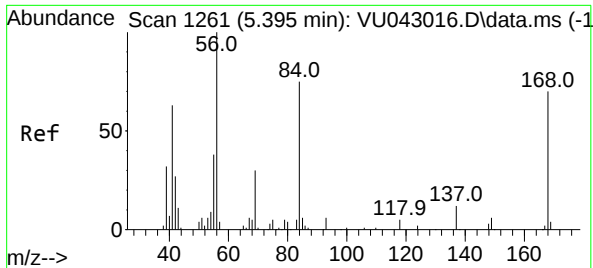
Tgt Ion: 43 Resp: 3964
Ion Ratio Lower Upper
43 100
72 20.0 17.4 26.0



#29
Tetrahydrofuran
Concen: 0.30 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.019 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

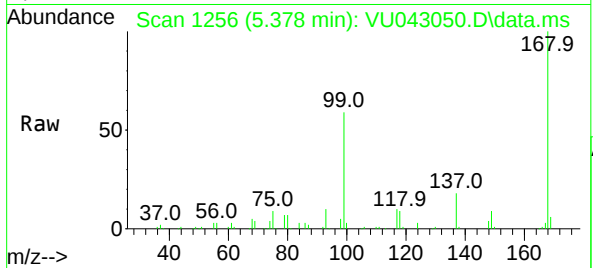
Tgt Ion: 42 Resp: 402
Ion Ratio Lower Upper
42 100
72 0.0 31.5 47.3#
71 26.6 29.5 44.3#



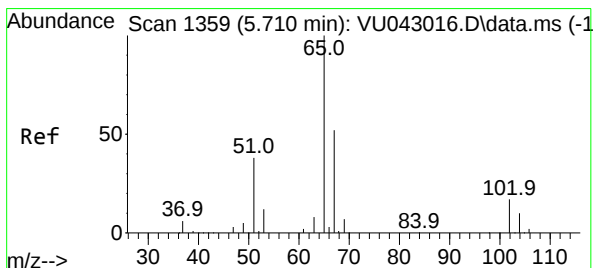
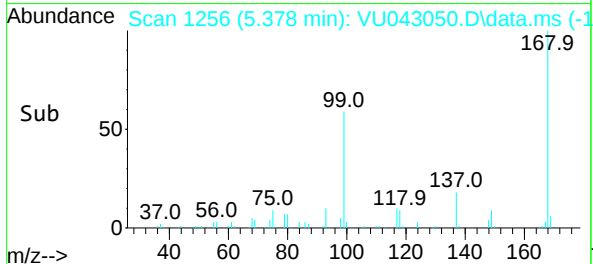
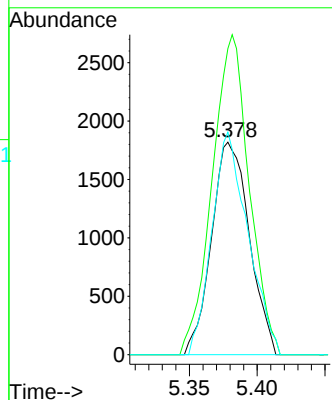


#31
Cyclohexane
Concen: 1.23 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.017 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

Instrument :
MSVOA_U
ClientSampleId :

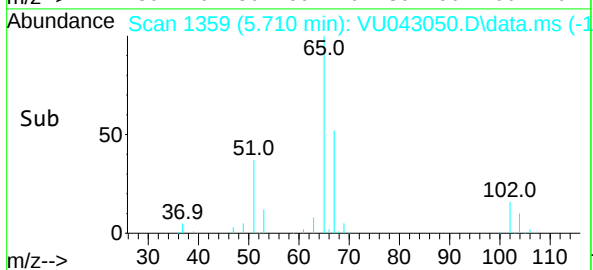
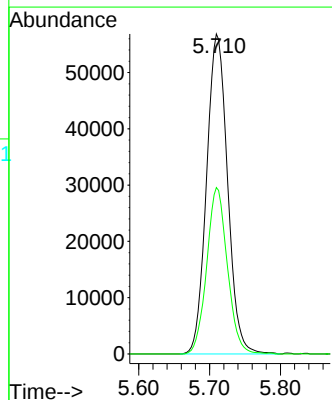
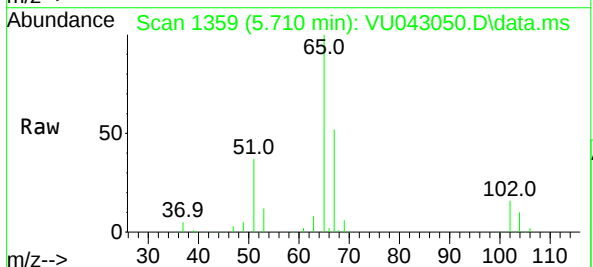


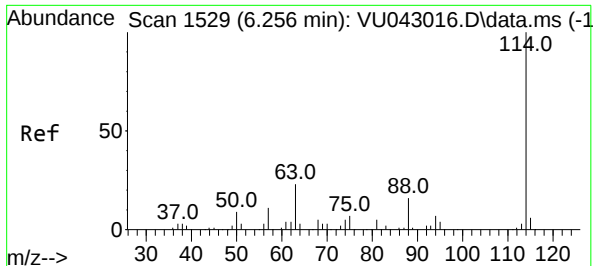
Tgt Ion: 56 Resp: 3528
Ion Ratio Lower Upper
56 100
69 144.1 24.9 37.3#
84 104.8 63.7 95.5#



#33
1,2-Dichloroethane-d4
Concen: 50.43 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

Tgt Ion: 65 Resp: 117051
Ion Ratio Lower Upper
65 100
67 51.1 0.0 99.8

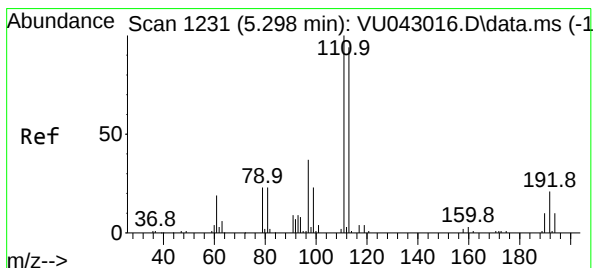
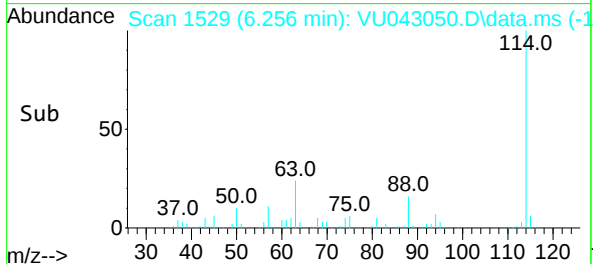
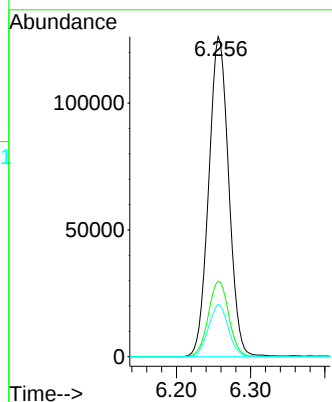
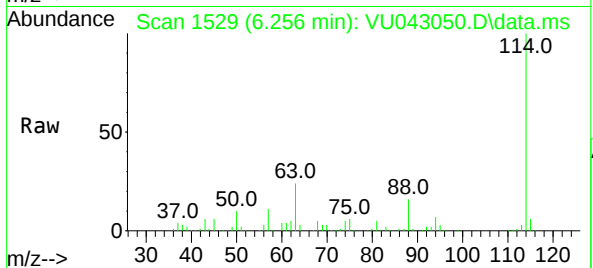




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

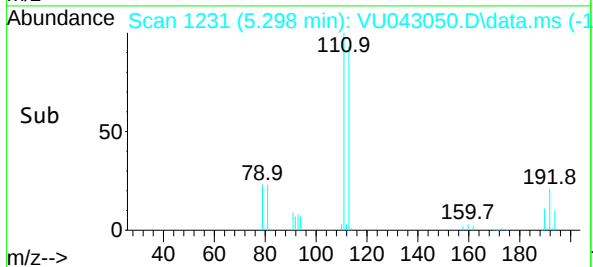
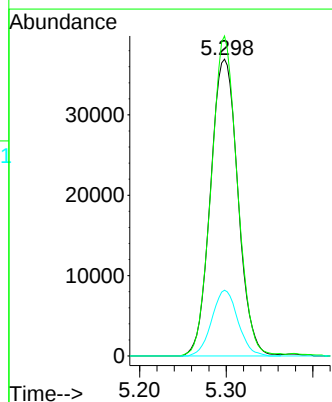
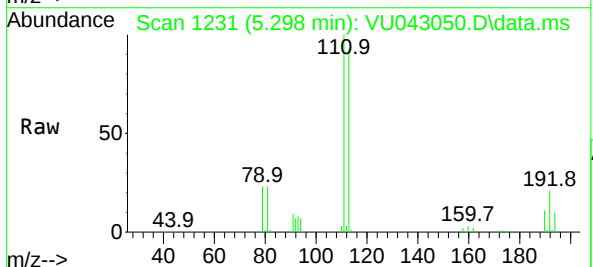
Instrument :
MSVOA_U
ClientSampleId :

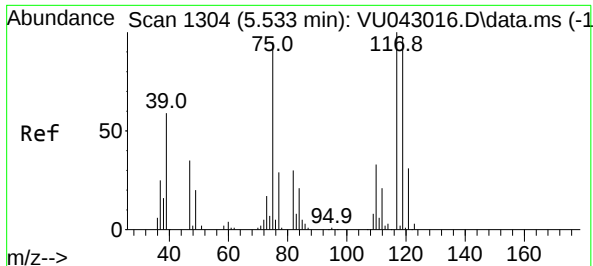
Tgt Ion:114 Resp: 235731
Ion Ratio Lower Upper
114 100
63 23.6 0.0 44.2
88 16.4 0.0 33.4



#35
Dibromofluoromethane
Concen: 45.92 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

Tgt Ion:113 Resp: 81344
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.8
192 21.1 17.2 25.8

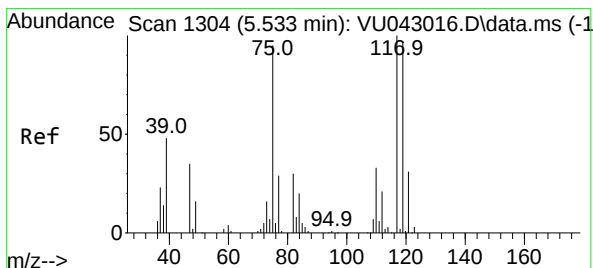
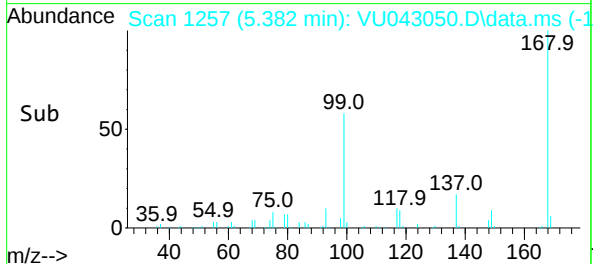
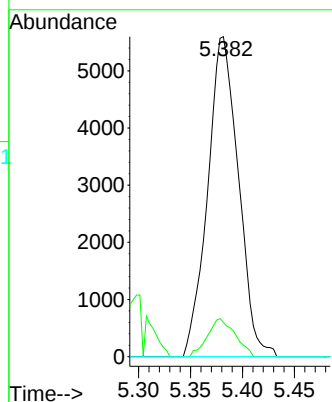
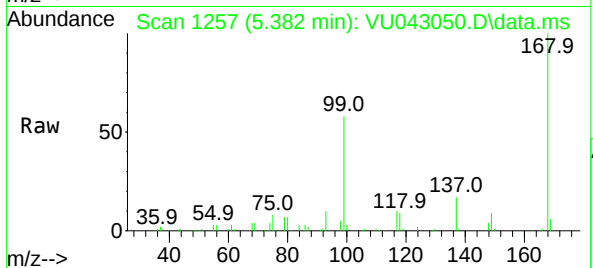




#36
1,1-Dichloropropene
Concen: 4.61 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

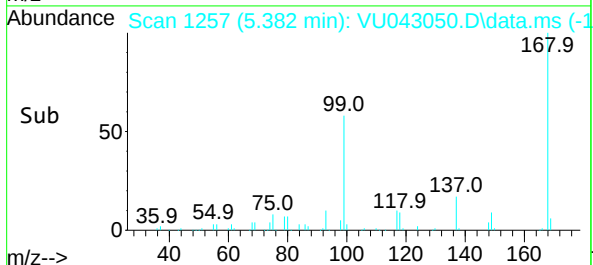
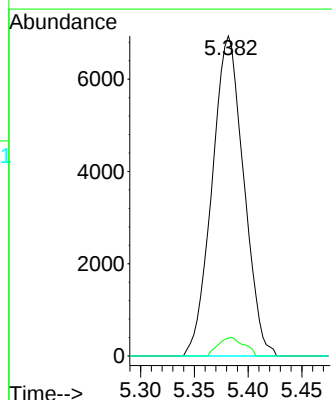
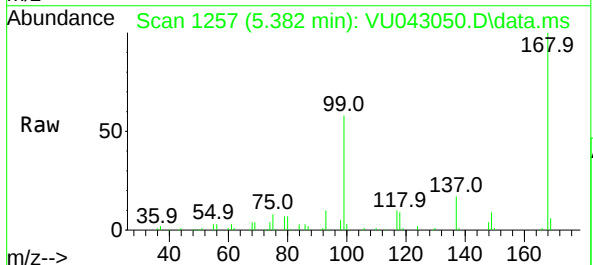
Instrument :
MSVOA_U
ClientSampleId :

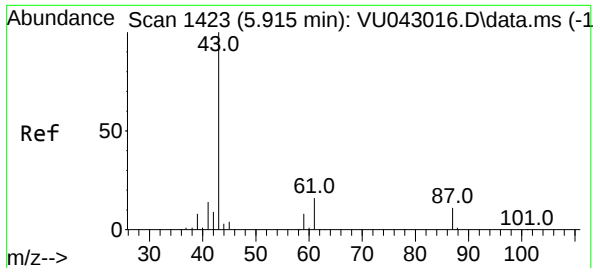
Tgt Ion: 75 Resp: 11529
Ion Ratio Lower Upper
75 100
110 10.7 16.8 50.3#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.29 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

Tgt Ion: 117 Resp: 14193
Ion Ratio Lower Upper
117 100
119 5.6 75.5 113.3#
121 0.0 24.7 37.1#

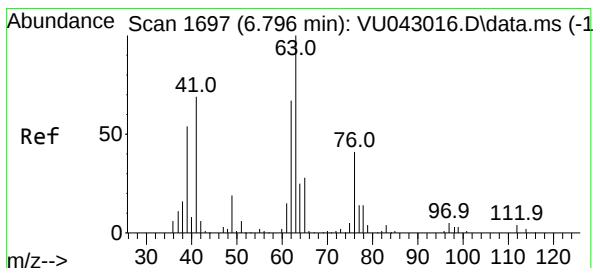
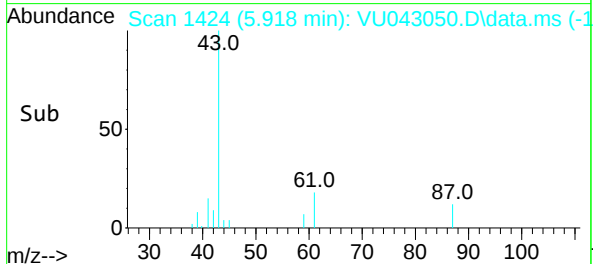
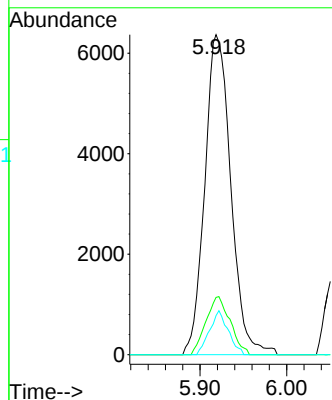
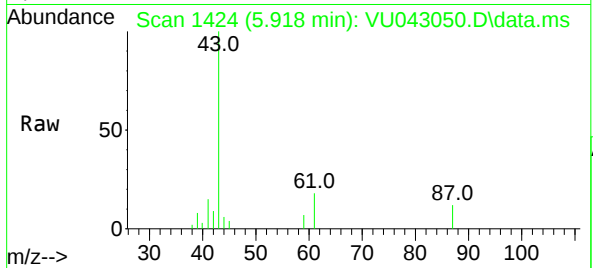




#43
Isopropyl Acetate
Concen: 2.18 ug/l
RT: 5.918 min Scan# 1424
Delta R.T. 0.003 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

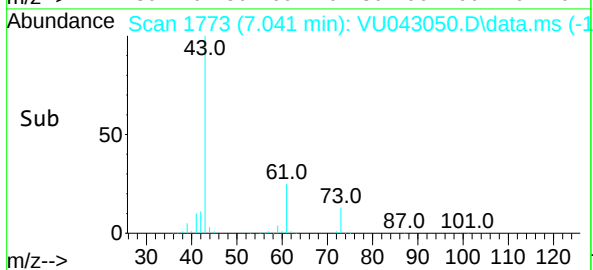
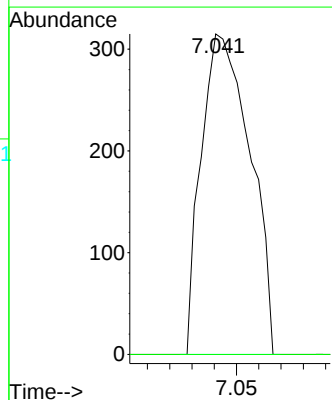
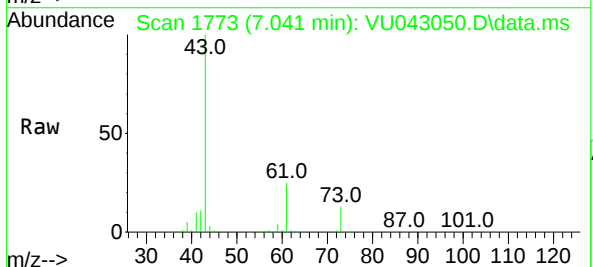
Instrument :
MSVOA_U
ClientSampleId :

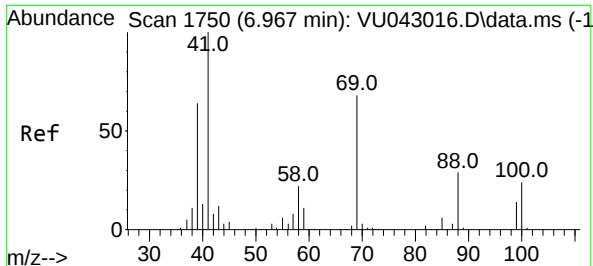
Tgt Ion: 43 Resp: 13315
Ion Ratio Lower Upper
43 100
61 16.8 14.4 21.6
87 9.8 8.8 13.2



#45
1,2-Dichloropropane
Concen: 0.24 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.245 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

Tgt Ion: 63 Resp: 479
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#





#48

Methyl methacrylate

Concen: 2.08 ug/l

RT: 6.899 min Scan# 1729

Delta R.T. -0.068 min

Lab File: VU043050.D

Acq: 13 Apr 2021 14:41

Tgt Ion: 41 Resp: 6357

Ion Ratio Lower Upper

41 100

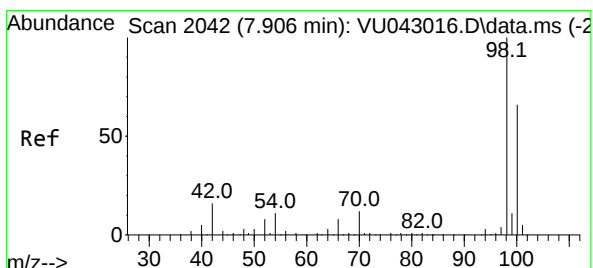
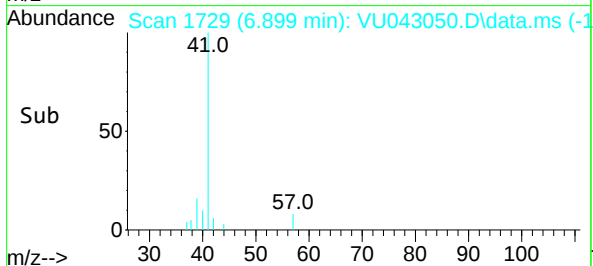
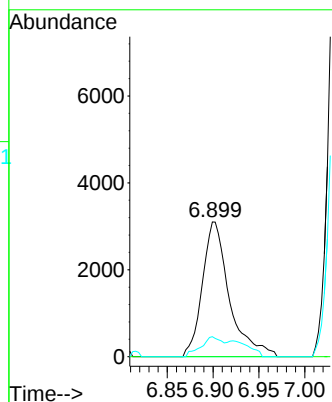
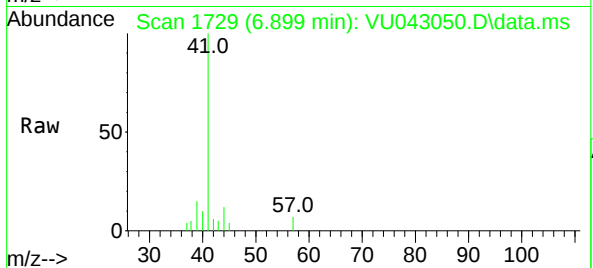
69 0.0 57.0 85.6#

39 0.0 48.4 72.6#

Instrument :

MSVOA_U

ClientSampleId :



#50

Toluene-d8

Concen: 49.53 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU043050.D

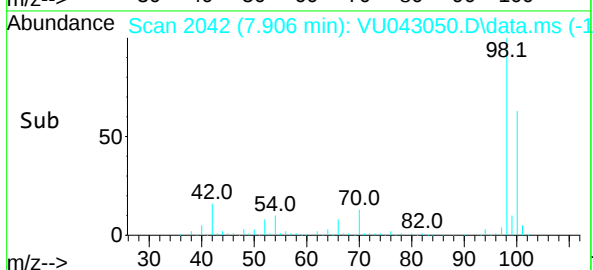
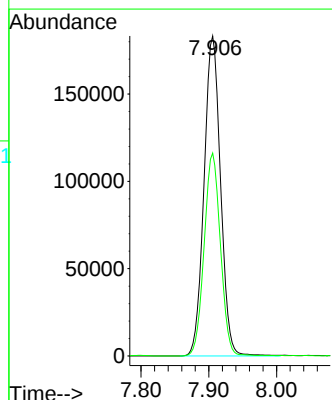
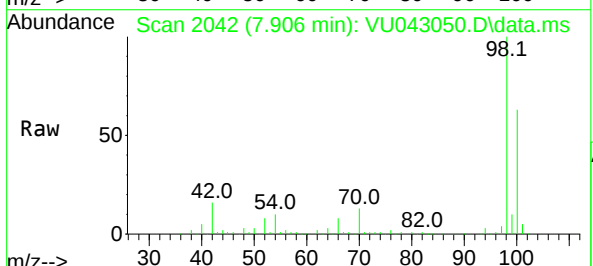
Acq: 13 Apr 2021 14:41

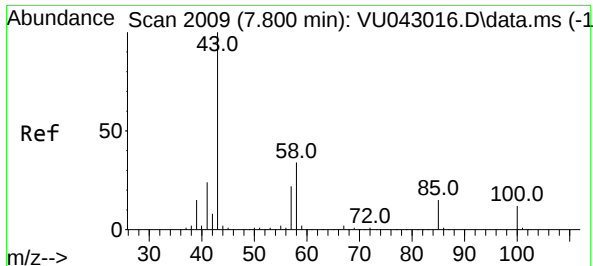
Tgt Ion: 98 Resp: 310468

Ion Ratio Lower Upper

98 100

100 62.4 50.2 75.2

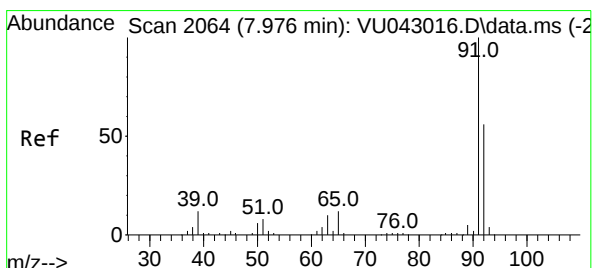
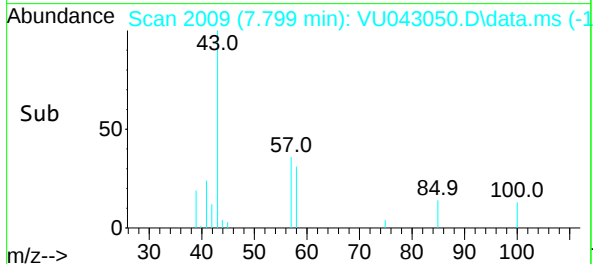
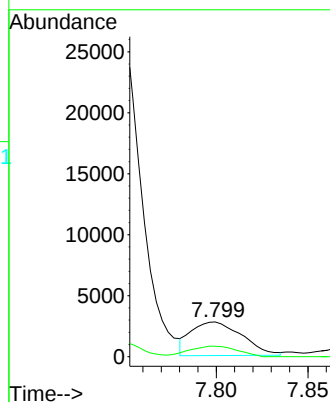
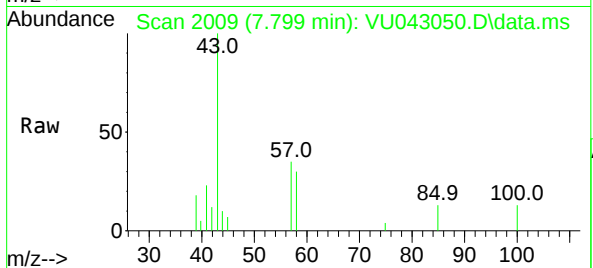




#51
4-Methyl-2-Pentanone
Concen: 1.19 ug/l
RT: 7.799 min Scan# 2009
Delta R.T. -0.001 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

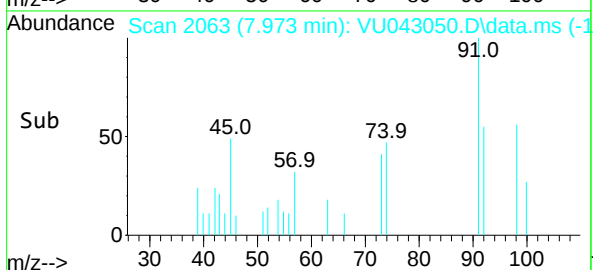
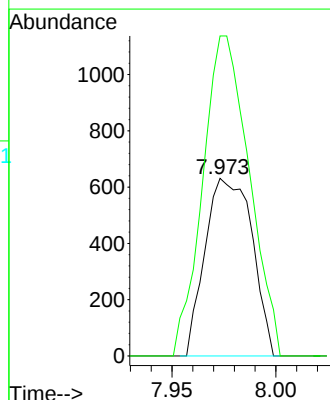
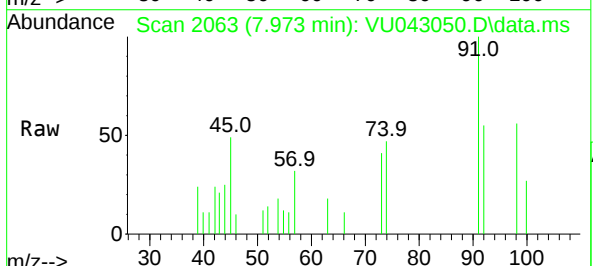
Instrument :
MSVOA_U
ClientSampled :

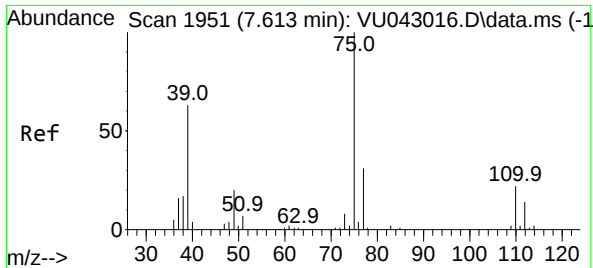
Tgt Ion: 43 Resp: 5349
Ion Ratio Lower Upper
43 100
58 29.4 28.1 42.1



#52
Toluene
Concen: 0.22 ug/l
RT: 7.973 min Scan# 2063
Delta R.T. -0.003 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

Tgt Ion: 92 Resp: 990
Ion Ratio Lower Upper
92 100
91 178.6 140.3 210.5

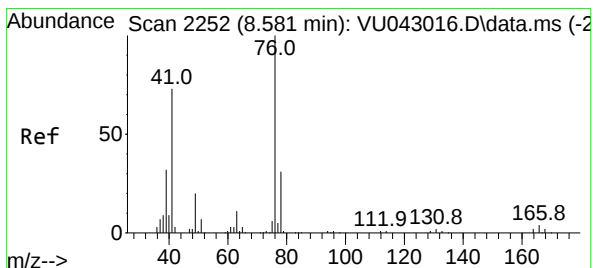
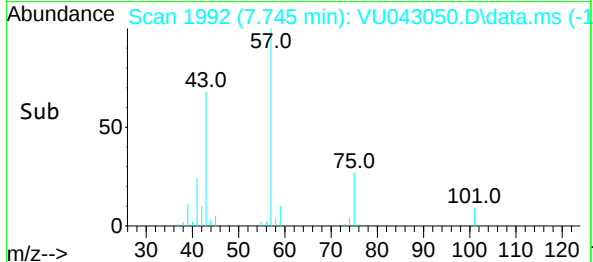
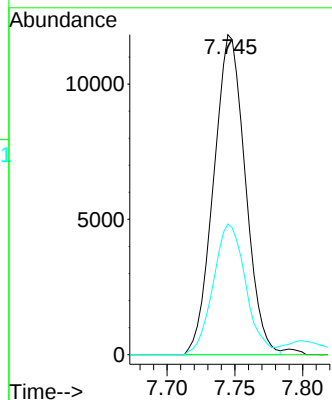
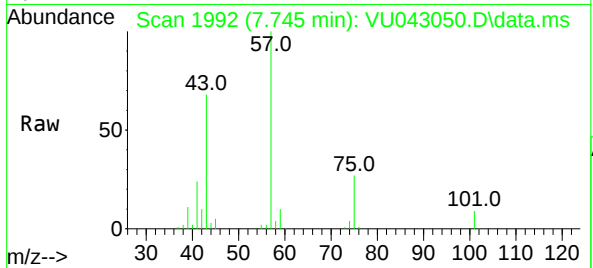




#54
cis-1,3-Dichloropropene
Concen: 6.13 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

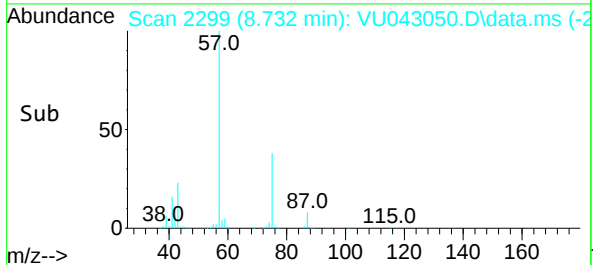
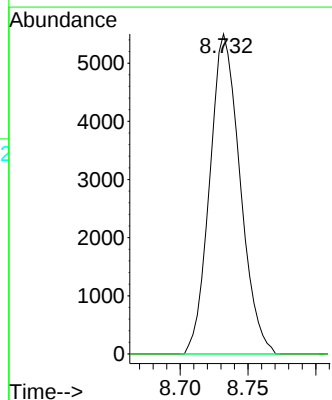
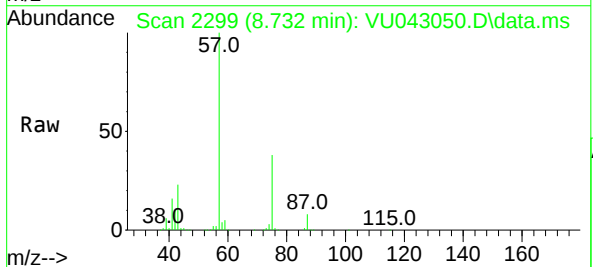
Instrument :
MSVOA_U
ClientSampleId :

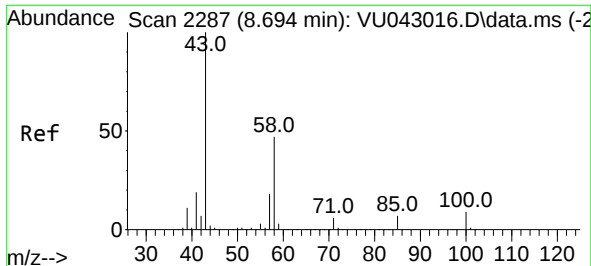
Tgt Ion: 75 Resp: 19203
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 40.9 46.1 69.1#



#57
1,3-Dichloropropane
Concen: 2.61 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

Tgt Ion: 76 Resp: 8563
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

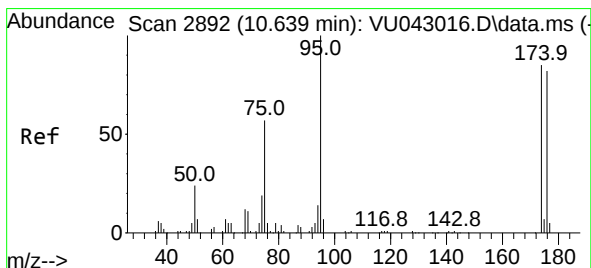
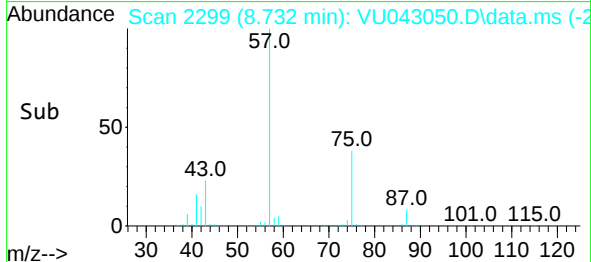
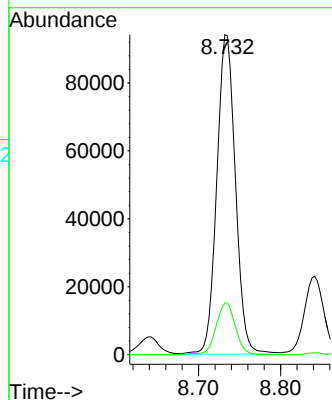
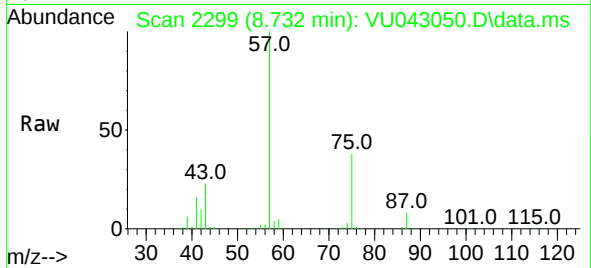




#59
2-Hexanone
Concen: 40.02 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

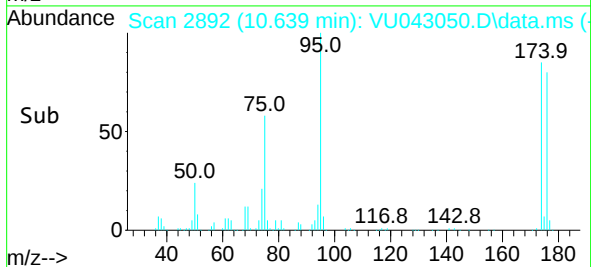
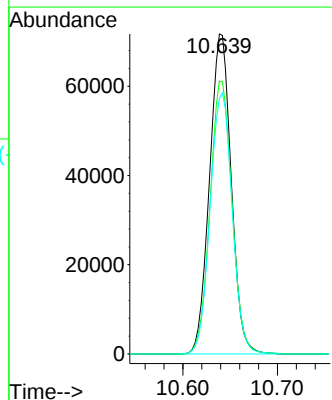
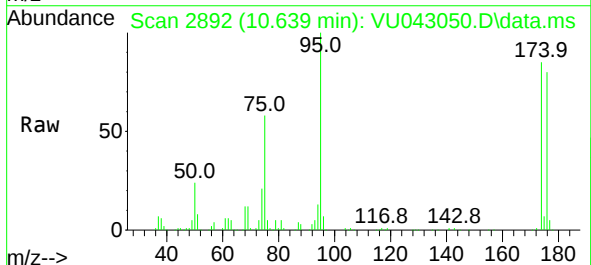
Instrument :
MSVOA_U
ClientSampled :

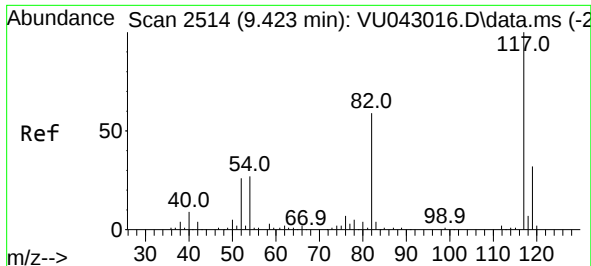
Tgt Ion: 43 Resp: 148689
Ion Ratio Lower Upper
43 100
58 16.8 24.0 72.0#



#62
4-Bromofluorobenzene
Concen: 45.54 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

Tgt Ion: 95 Resp: 114300
Ion Ratio Lower Upper
95 100
174 87.0 0.0 172.2
176 83.0 0.0 168.8

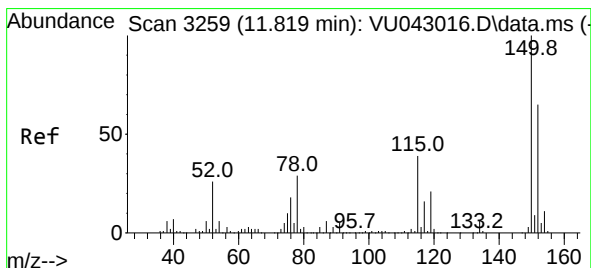
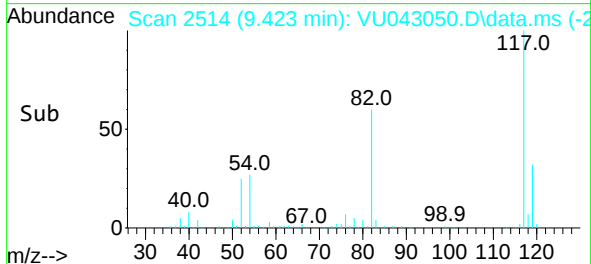
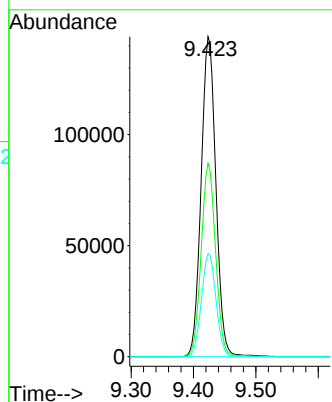
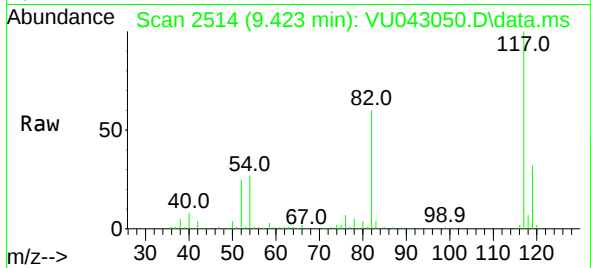




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

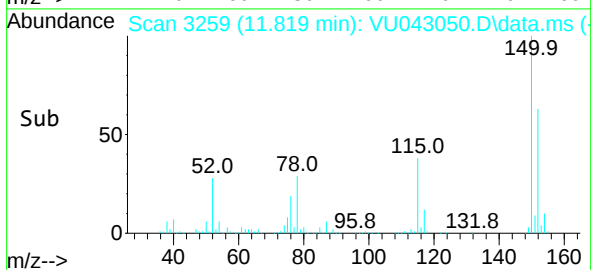
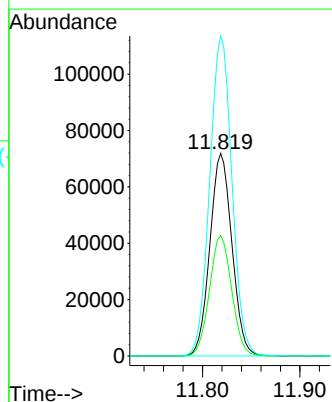
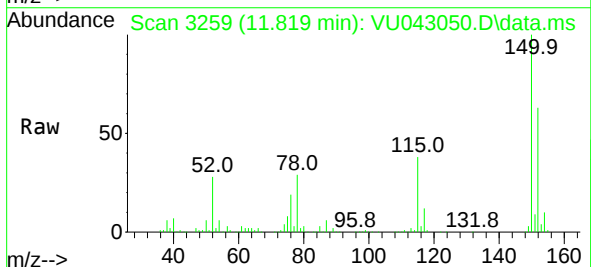
Instrument :
MSVOA_U
ClientSampleId :

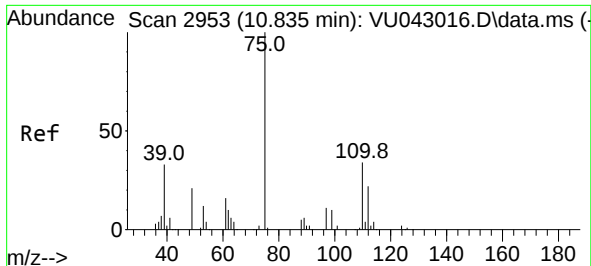
Tgt Ion:117 Resp: 237132
Ion Ratio Lower Upper
117 100
82 60.4 45.8 68.6
119 32.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

Tgt Ion:152 Resp: 113291
Ion Ratio Lower Upper
152 100
115 59.7 41.5 124.6
150 159.1 0.0 342.4

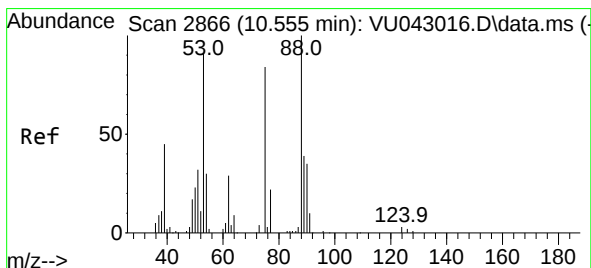
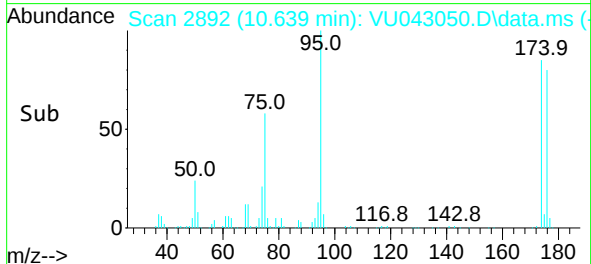
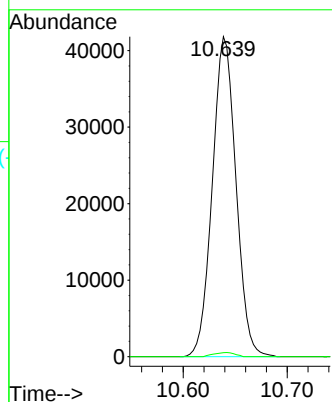
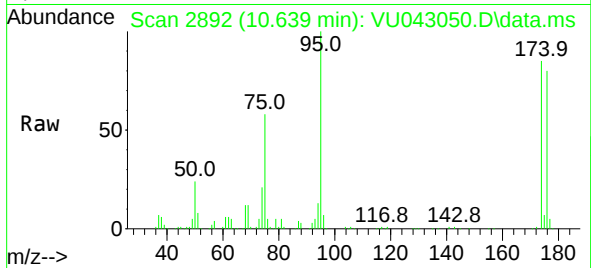




#76
1,2,3-Trichloropropane
Concen: 19.96 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

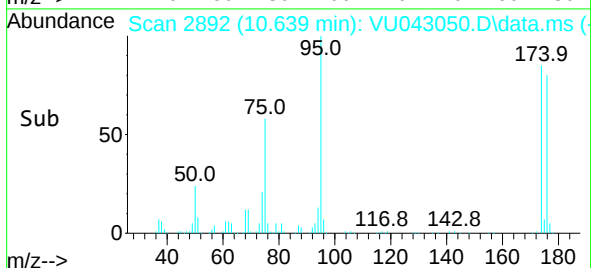
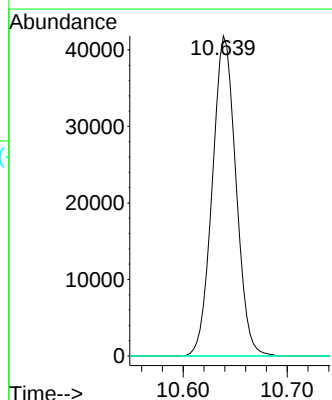
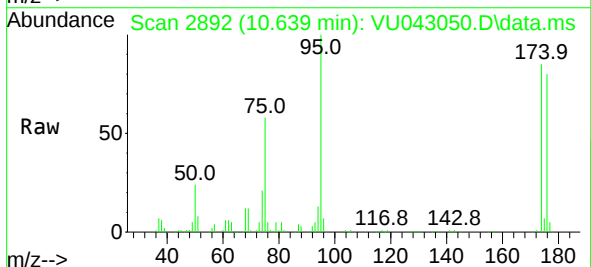
Instrument :
MSVOA_U
ClientSampleId :

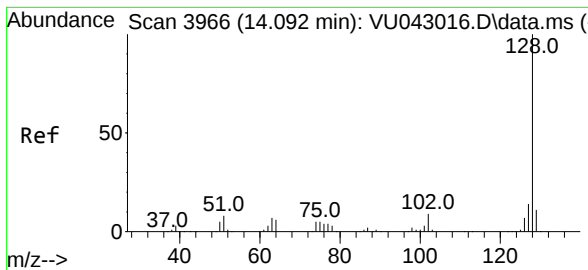
Tgt Ion: 75 Resp: 66091
Ion Ratio Lower Upper
75 100
77 1.2 20.2 60.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.66 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043050.D
Acq: 13 Apr 2021 14:41

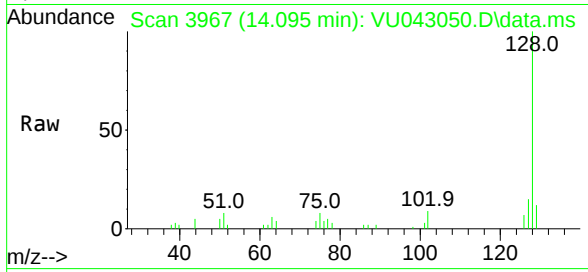
Tgt Ion: 75 Resp: 66091
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#





#95
 Naphthalene
 Concen: 4.30 ug/l
 RT: 14.095 min Scan# 3967
 Delta R.T. 0.003 min
 Lab File: VU043050.D
 Acq: 13 Apr 2021 14:41

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	128	Resp:	13514
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.8	16.2
129	10.8	8.6	13.0

