

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041321\
 Data File : VU043062.D
 Acq On : 13 Apr 2021 19:17
 Operator : SY/MD
 Sample : M1966-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 14 03:53:51 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	145718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	240663	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	225636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	113940	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	120571	49.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.44%	
35) Dibromofluoromethane	5.298	113	82863	45.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.64%	
50) Toluene-d8	7.906	98	299988	46.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.76%	
62) 4-Bromofluorobenzene	10.639	95	112520	43.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.82%	
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	3764	1.17	ug/l #	41
11) Tert butyl alcohol	3.195	59	30506	48.32	ug/l #	98
14) Allyl chloride	2.916	41	3243	0.98	ug/l #	36
15) Acrylonitrile	3.199	53	401	0.30	ug/l #	16
16) Acetone	2.636	43	134515	93.12	ug/l	98
17) Carbon Disulfide	2.800	76	7121	1.70	ug/l #	93
18) Methyl Acetate	2.957	43	1886	0.62	ug/l #	75
25) 2-Butanone	4.716	43	24856	11.17	ug/l	93
26) 2,2-Dichloropropane	4.639	77	3455	1.23	ug/l #	55
31) Cyclohexane	5.382	56	3747	1.24	ug/l #	38
36) 1,1-Dichloropropene	5.385	75	12477	4.89	ug/l #	51
37) Ethyl Acetate	4.716	43	24856	5.69	ug/l #	71
38) Carbon Tetrachloride	5.382	117	14402	5.26	ug/l #	16
51) 4-Methyl-2-Pentanone	7.803	43	4881	1.06	ug/l	94
59) 2-Hexanone	8.697	43	1417	0.37	ug/l	84
75) 1,1,2,2-Tetrachloroethane	10.909	83	1200	0.36	ug/l #	26
76) 1,2,3-Trichloropropane	10.639	75	65542	19.69	ug/l #	37
81) trans-1,4-Dichloro-2-b...	10.639	75	65542	57.84	ug/l #	7
95) Naphthalene	14.092	128	26823	5.82	ug/l	98

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

Quant Time: Apr 14 03:53:51 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

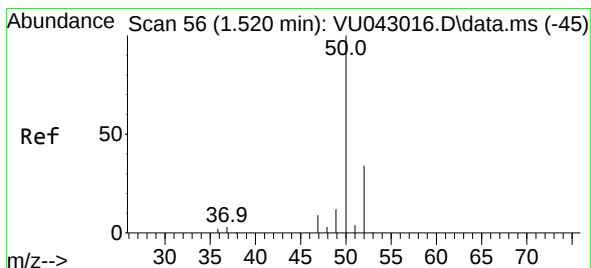
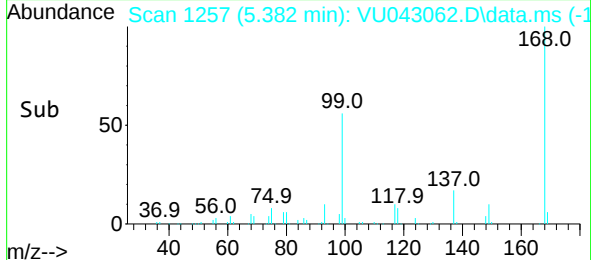
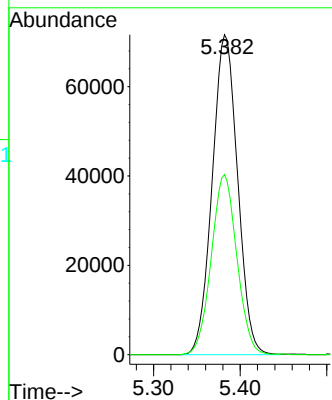
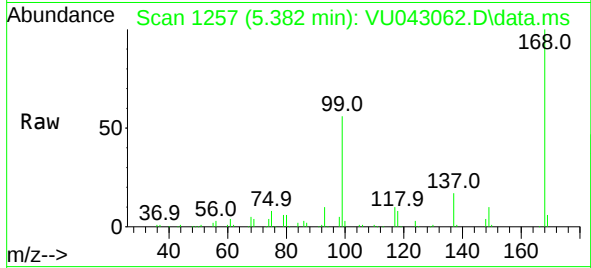




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

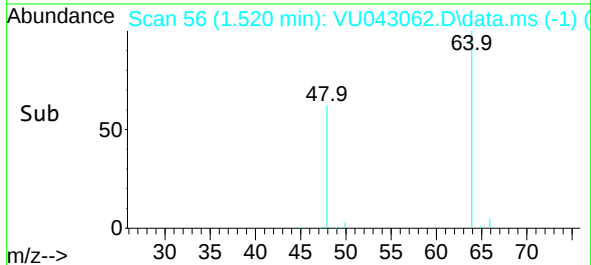
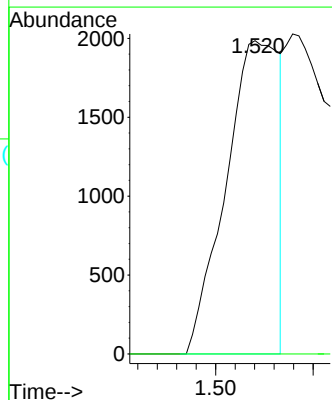
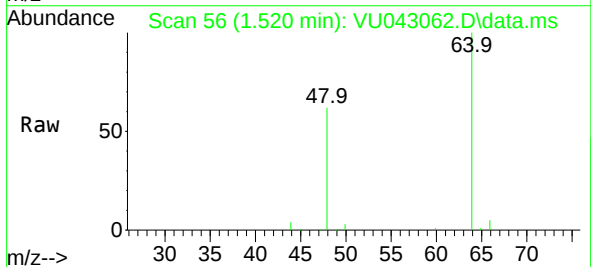
Instrument :
MSVOA_U
ClientSampleId :

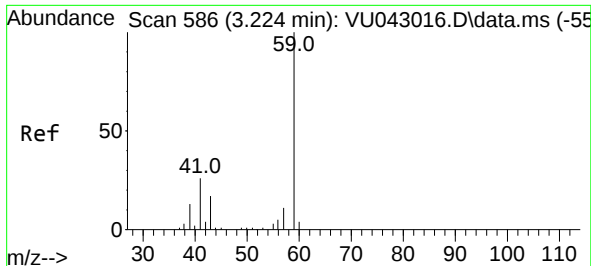
Tgt Ion:168 Resp: 145718
Ion Ratio Lower Upper
168 100
99 56.3 45.0 67.4



#3
Chloromethane
Concen: 1.17 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

Tgt Ion: 50 Resp: 3764
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

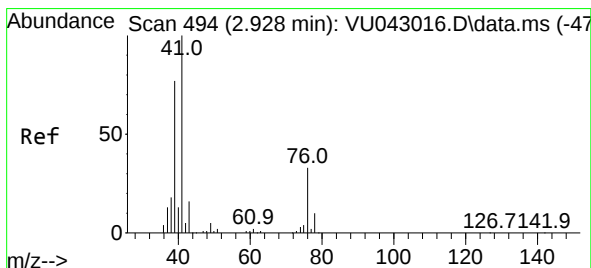
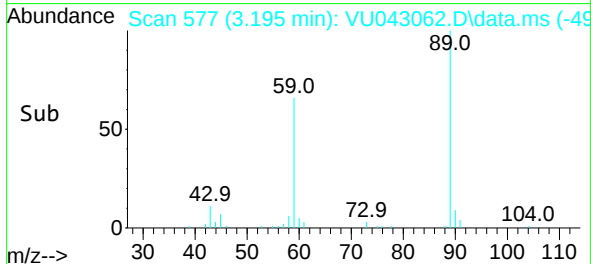
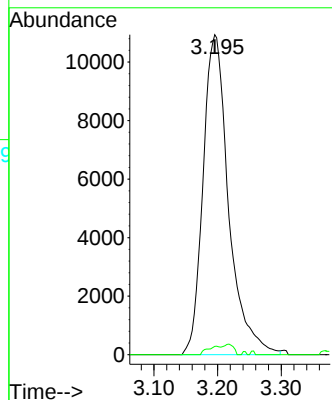
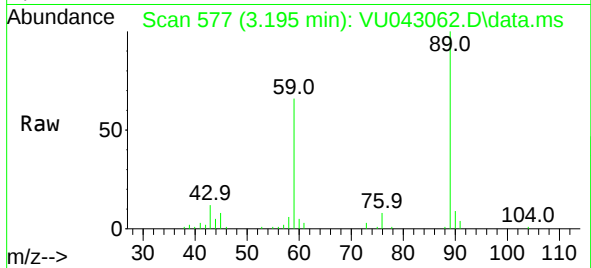




#11
Tert butyl alcohol
Concen: 48.32 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.029 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

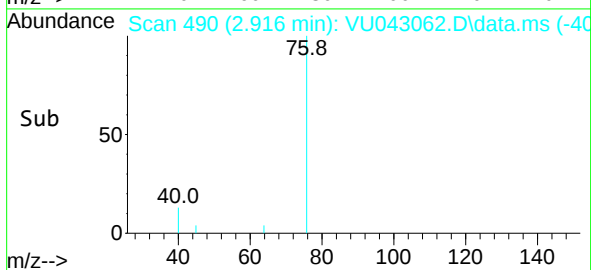
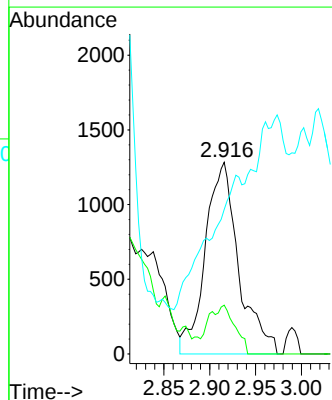
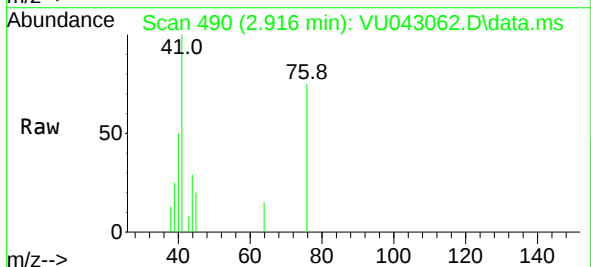
Instrument :
MSVOA_U
ClientSampleId :

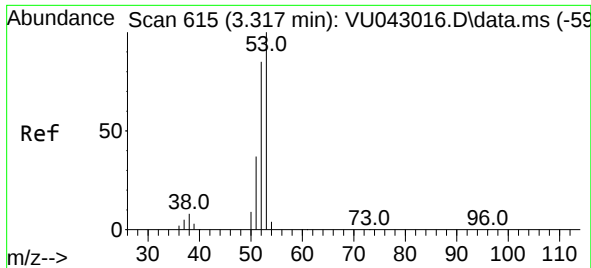
Tgt Ion: 59 Resp: 30506
Ion Ratio Lower Upper
59 100
57 1.4 1.6 2.4#



#14
Allyl chloride
Concen: 0.98 ug/l
RT: 2.916 min Scan# 490
Delta R.T. -0.012 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

Tgt Ion: 41 Resp: 3243
Ion Ratio Lower Upper
41 100
39 19.9 54.9 82.3#
76 67.8 22.5 33.7#

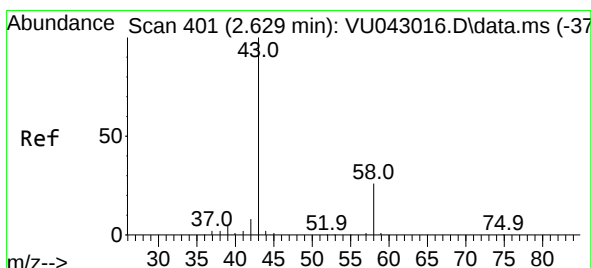
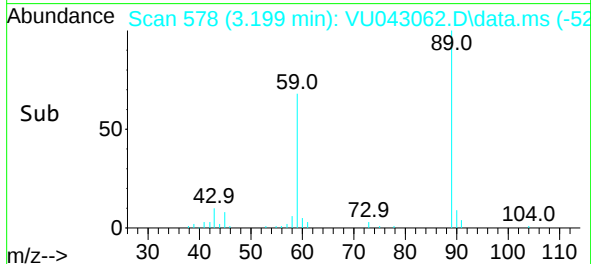
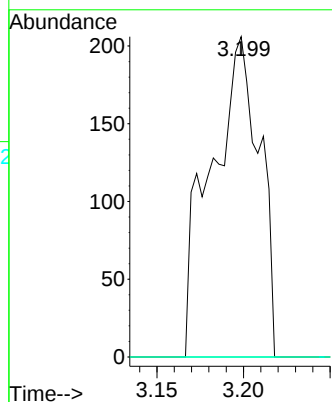
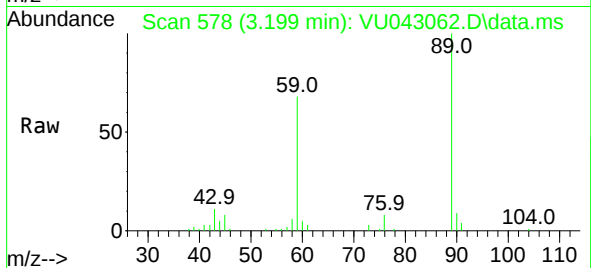




#15
Acrylonitrile
Concen: 0.30 ug/l
RT: 3.199 min Scan# 578
Delta R.T. -0.118 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

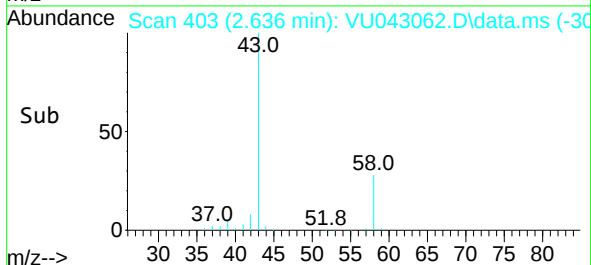
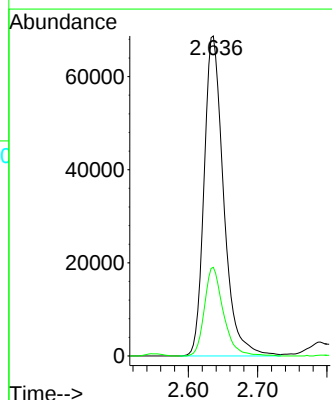
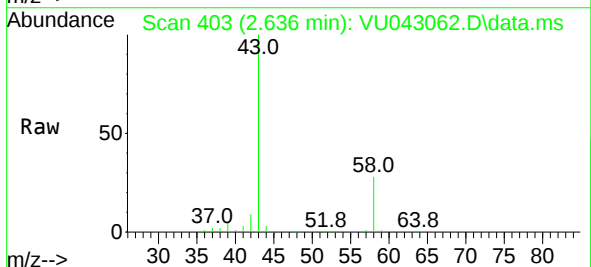
Instrument :
MSVOA_U
ClientSampled :

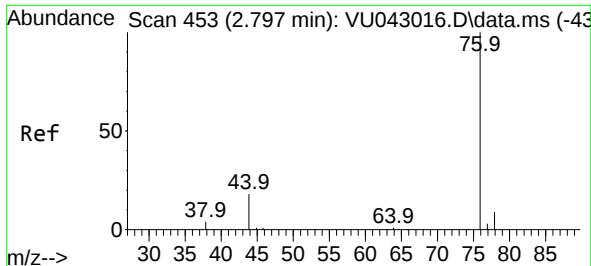
Tgt Ion: 53 Resp: 401
Ion Ratio Lower Upper
53 100
52 0.0 68.2 102.2#
51 0.0 29.2 43.8#



#16
Acetone
Concen: 93.12 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.007 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

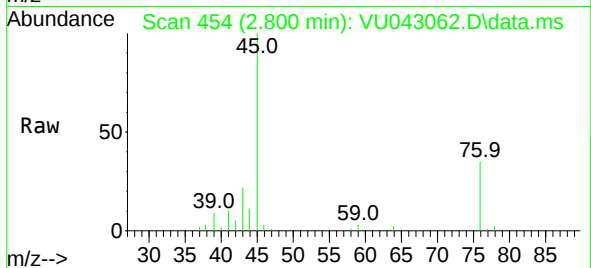
Tgt Ion: 43 Resp: 134515
Ion Ratio Lower Upper
43 100
58 27.7 21.5 32.3



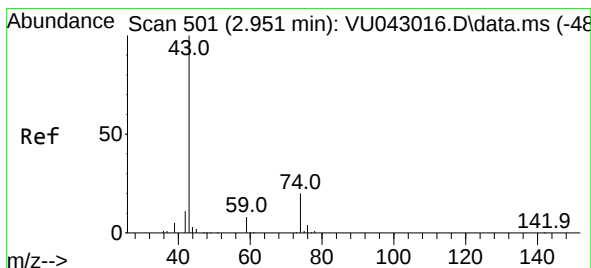
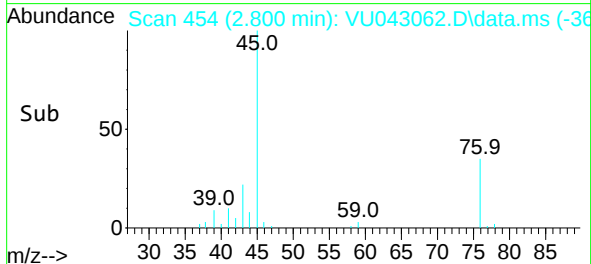
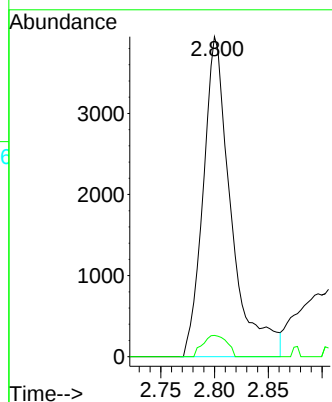


#17
Carbon Disulfide
Concen: 1.70 ug/l
RT: 2.800 min Scan# 454
Delta R.T. 0.003 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

Instrument :
MSVOA_U
ClientSampled :

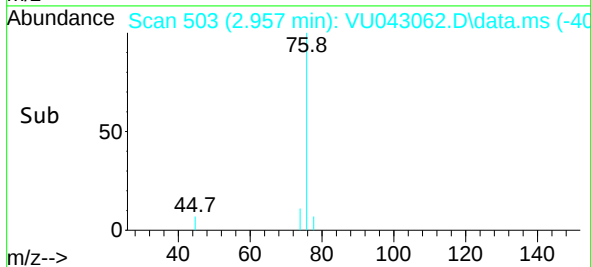
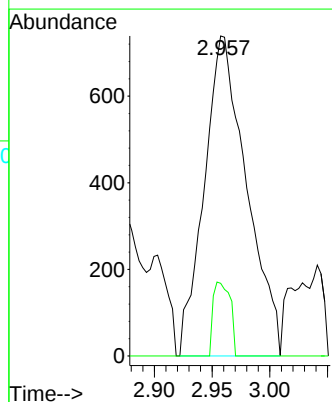
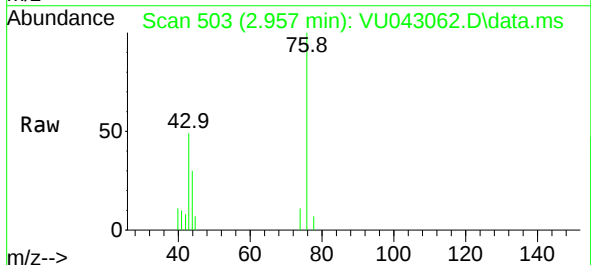


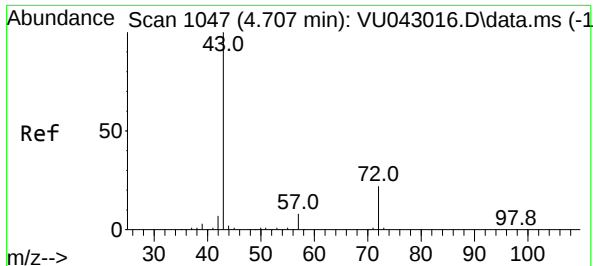
Tgt Ion: 76 Resp: 7121
Ion Ratio Lower Upper
76 100
78 6.7 7.5 11.3#



#18
Methyl Acetate
Concen: 0.62 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.006 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

Tgt Ion: 43 Resp: 1886
Ion Ratio Lower Upper
43 100
74 9.3 16.6 25.0#



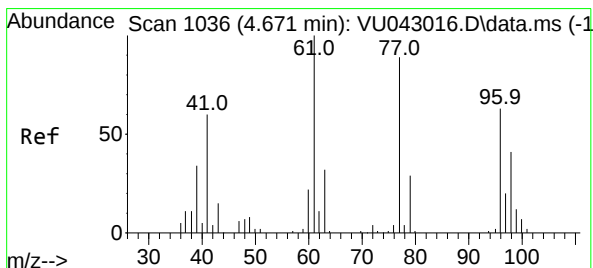
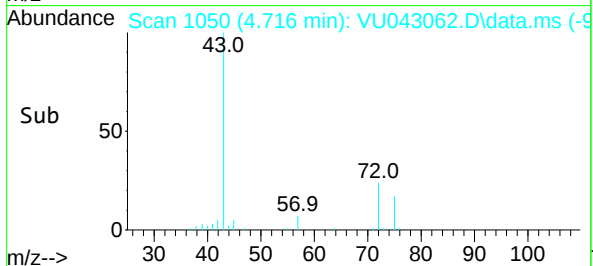
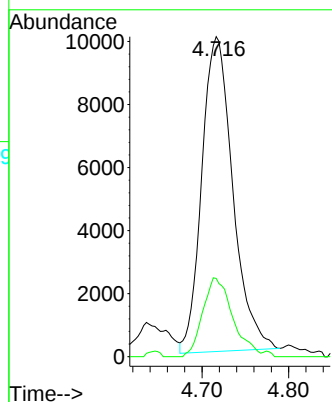
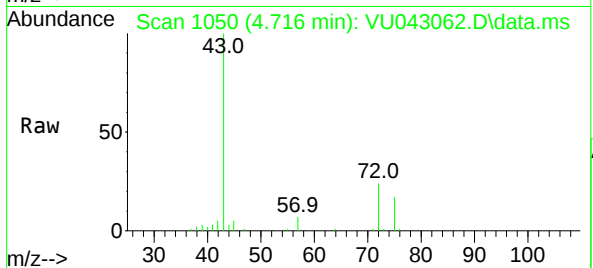


#25

2-Butanone
Concen: 11.17 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.009 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

Instrument :
MSVOA_U
ClientSampled :

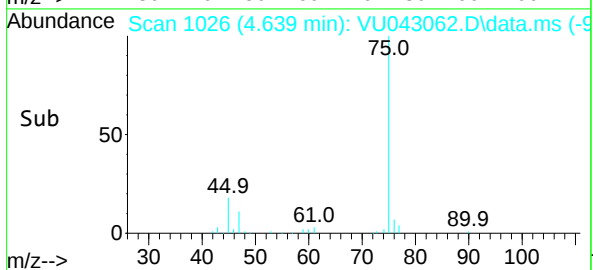
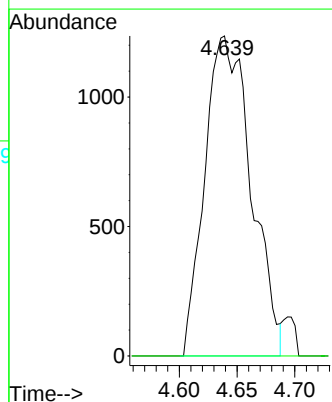
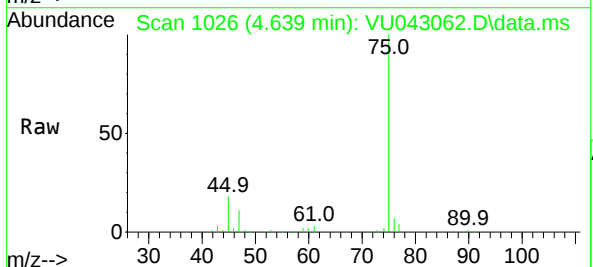
Tgt Ion: 43 Resp: 24856
Ion Ratio Lower Upper
43 100
72 25.1 17.4 26.0

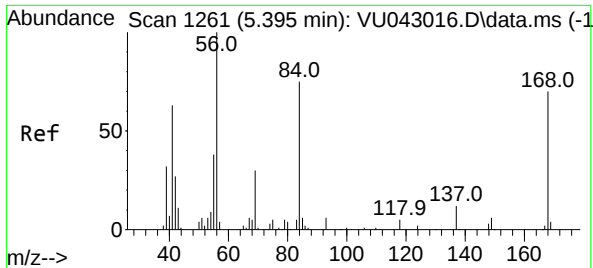


#26

2,2-Dichloropropane
Concen: 1.23 ug/l
RT: 4.639 min Scan# 1026
Delta R.T. -0.032 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

Tgt Ion: 77 Resp: 3455
Ion Ratio Lower Upper
77 100
97 0.0 10.6 31.8#

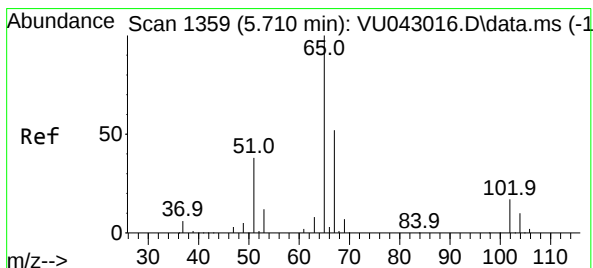
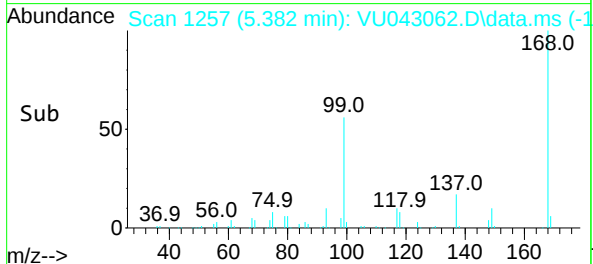
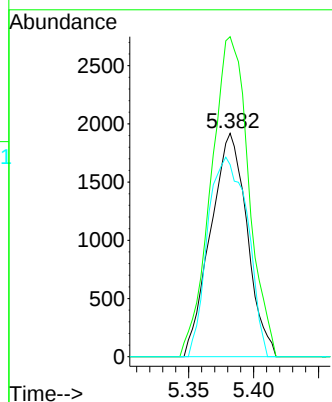
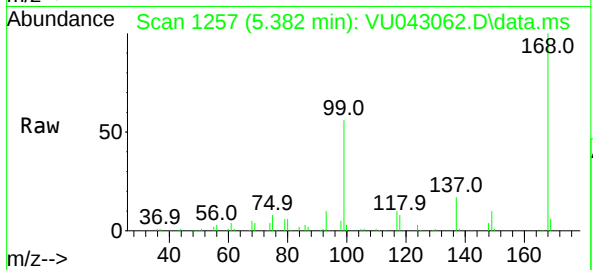




#31
Cyclohexane
Concen: 1.24 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

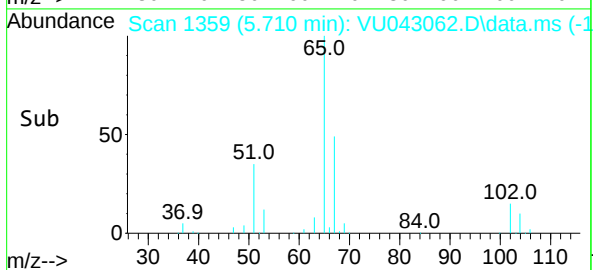
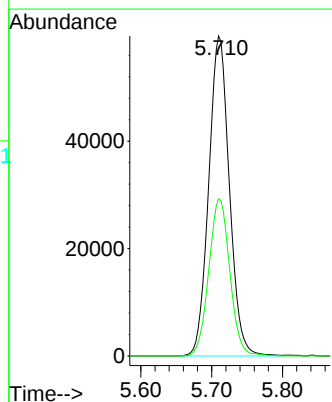
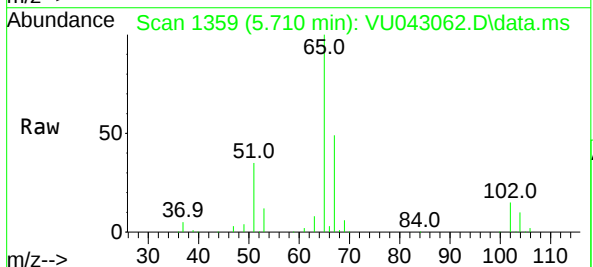
Instrument :
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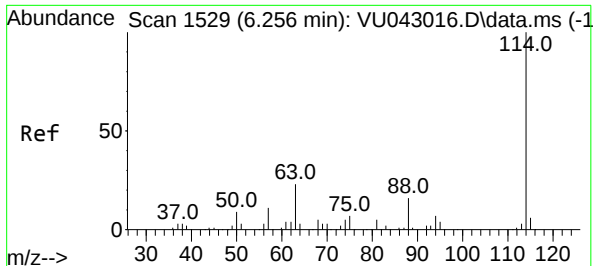
Tgt Ion: 56 Resp: 3747
Ion Ratio Lower Upper
56 100
69 143.3 24.9 37.3#
84 86.0 63.7 95.5



#33
1,2-Dichloroethane-d4
Concen: 49.22 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

Tgt Ion: 65 Resp: 120571
Ion Ratio Lower Upper
65 100
67 50.0 0.0 99.8

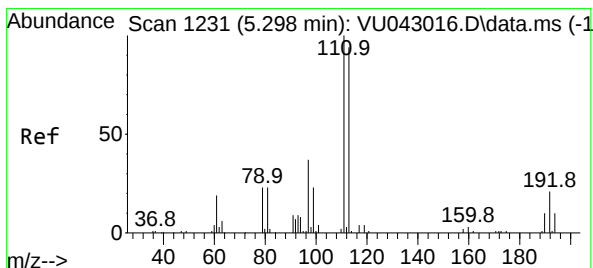
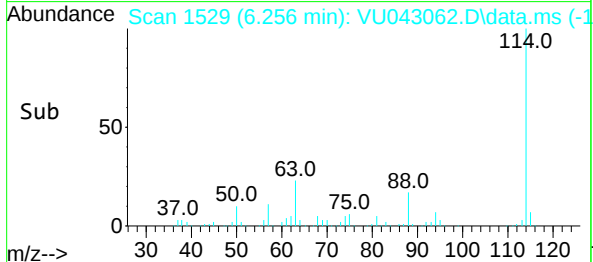
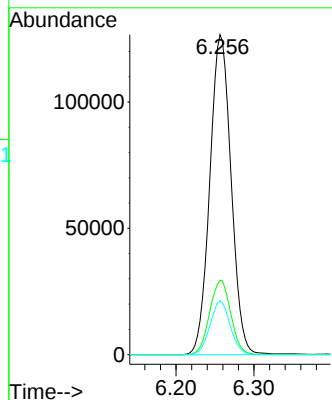
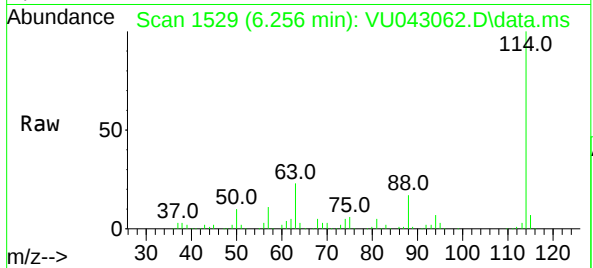




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

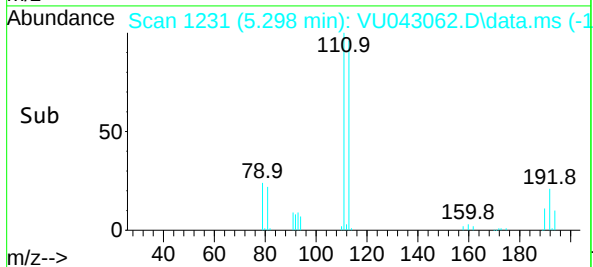
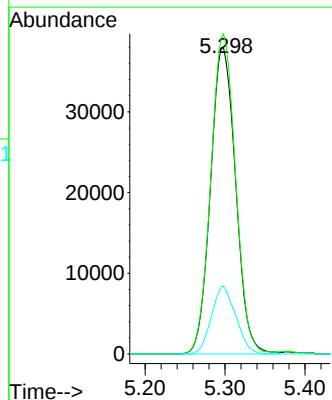
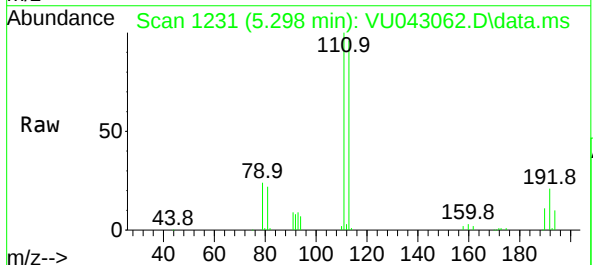
Instrument :
MSVOA_U
ClientSampled :

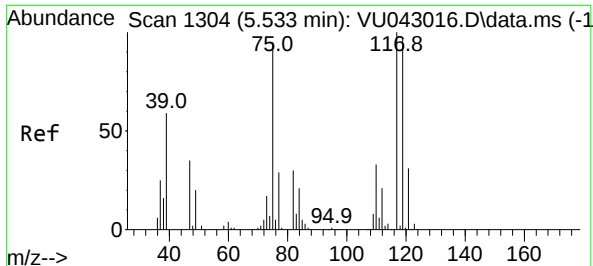
Tgt Ion:114 Resp: 240663
Ion Ratio Lower Upper
114 100
63 23.3 0.0 44.2
88 16.9 0.0 33.4



#35
Dibromofluoromethane
Concen: 45.82 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

Tgt Ion:113 Resp: 82863
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.8
192 21.3 17.2 25.8





#36

1,1-Dichloropropene

Concen: 4.89 ug/l

RT: 5.385 min Scan# 1258

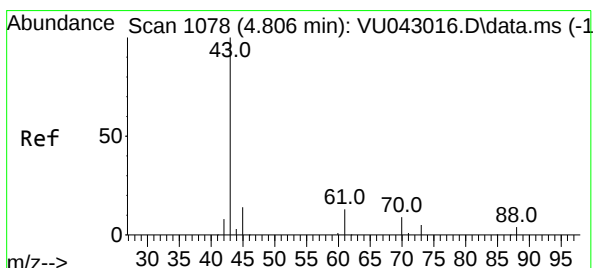
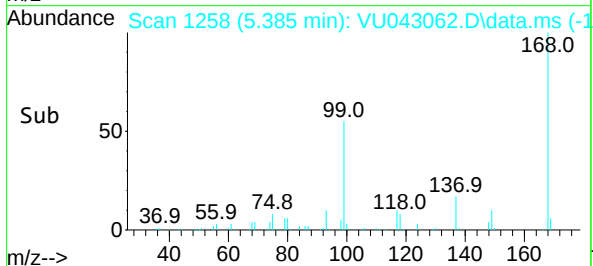
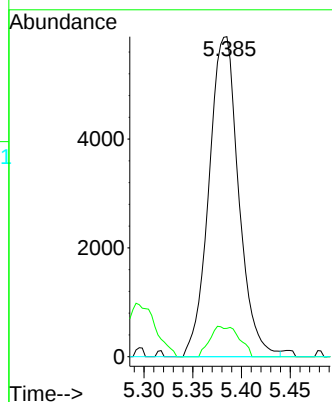
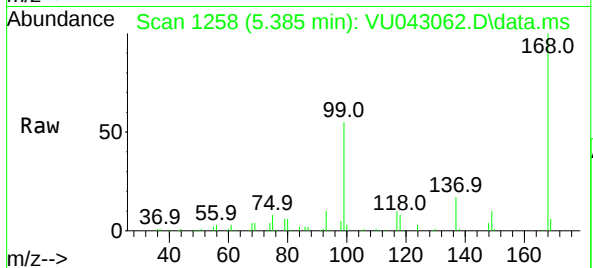
Delta R.T. -0.148 min

Lab File: VU043062.D

Acq: 13 Apr 2021 19:17

Tgt Ion:	75	Resp:	12477
Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.8	50.3#
77	0.0	24.8	37.2#

Instrument :
MSVOA_U
ClientSampleId :



#37

Ethyl Acetate

Concen: 5.69 ug/l

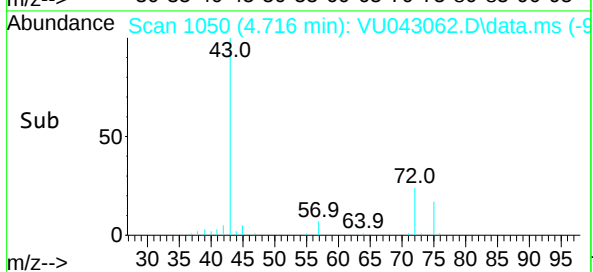
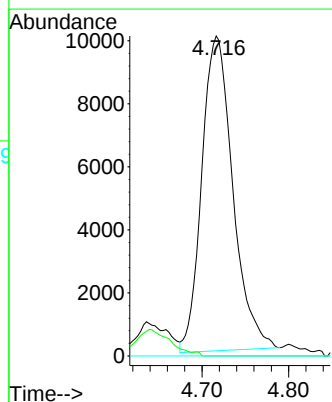
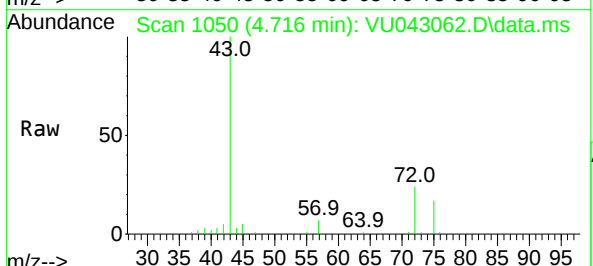
RT: 4.716 min Scan# 1050

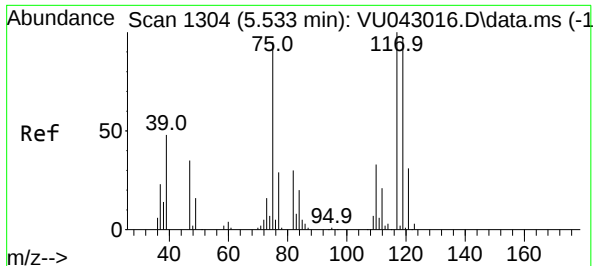
Delta R.T. -0.090 min

Lab File: VU043062.D

Acq: 13 Apr 2021 19:17

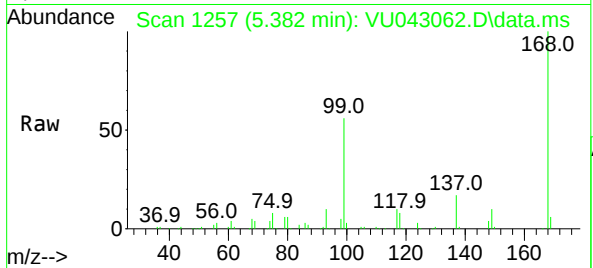
Tgt Ion:	43	Resp:	24856
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.1	15.1#
70	0.0	7.2	10.8#



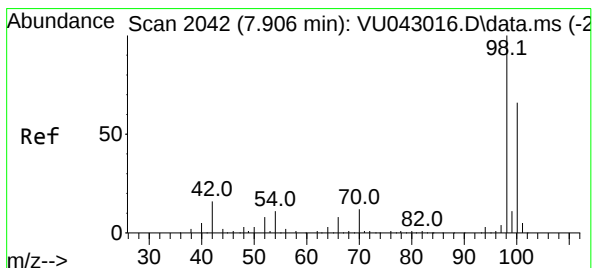
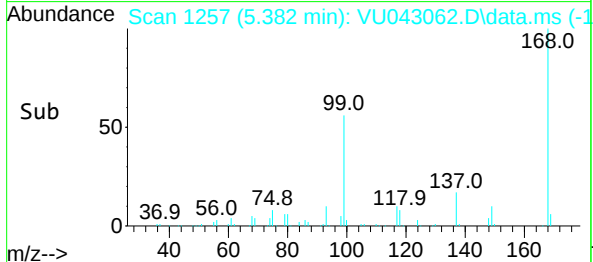
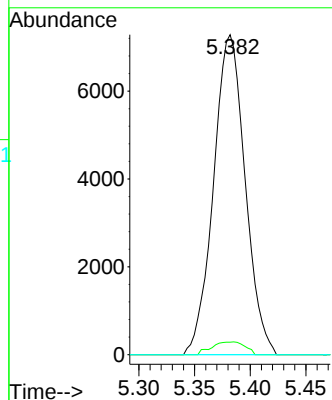


#38
Carbon Tetrachloride
Concen: 5.26 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

Instrument :
MSVOA_U
ClientSampleId :

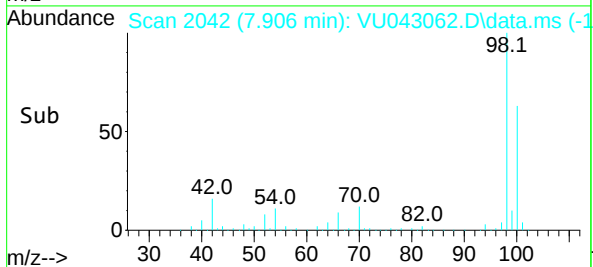
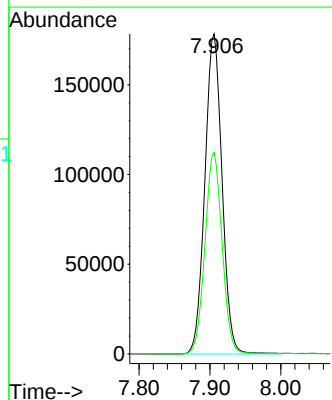
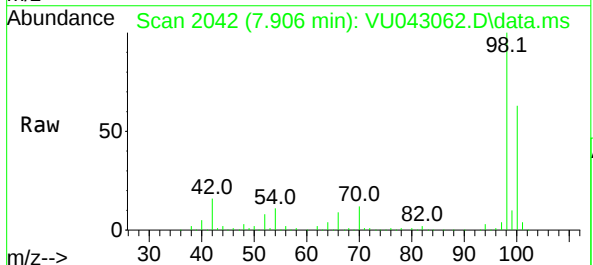


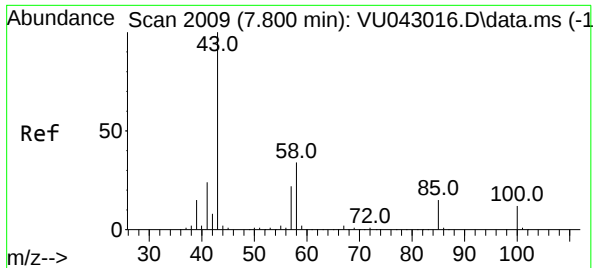
Tgt Ion:117 Resp: 14402
Ion Ratio Lower Upper
117 100
119 3.9 75.5 113.3#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 46.88 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

Tgt Ion: 98 Resp: 299988
Ion Ratio Lower Upper
98 100
100 63.0 50.2 75.2

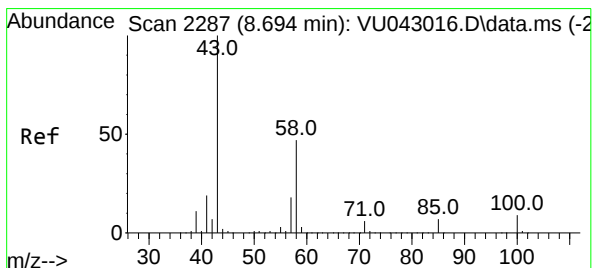
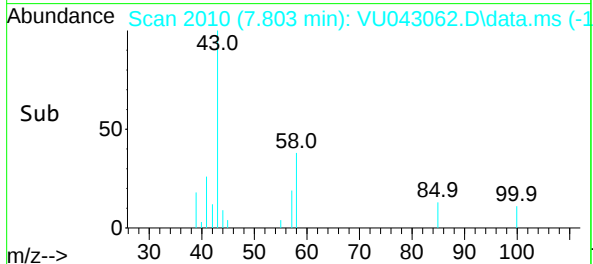
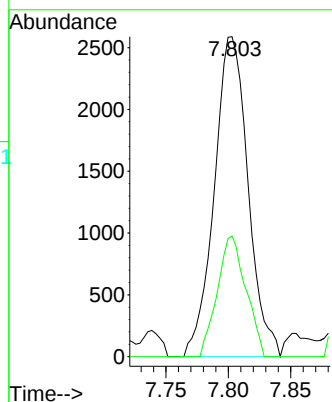
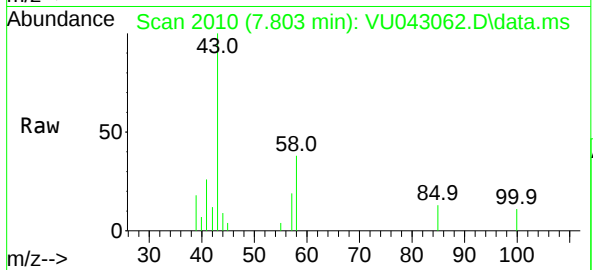




#51
4-Methyl-2-Pentanone
Concen: 1.06 ug/l
RT: 7.803 min Scan# 2010
Delta R.T. 0.003 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

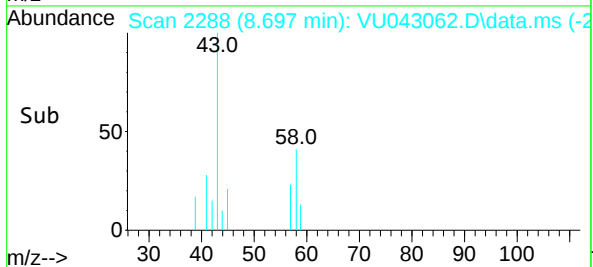
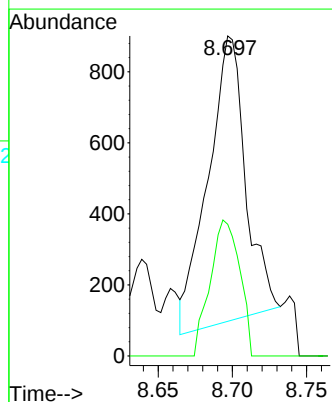
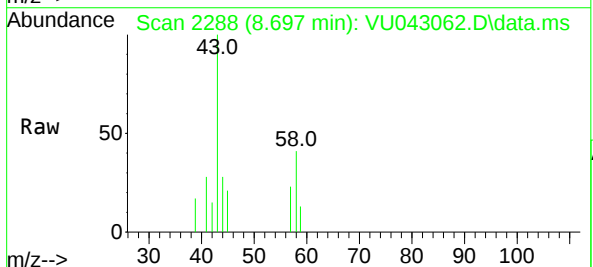
Instrument :
MSVOA_U
ClientSampled :

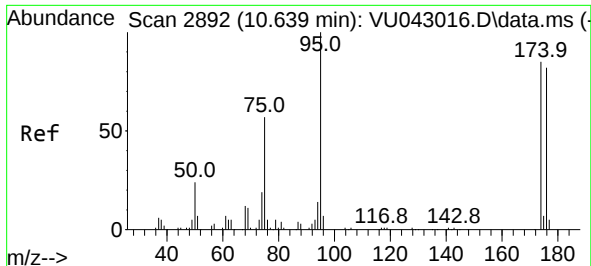
Tgt Ion: 43 Resp: 4881
Ion Ratio Lower Upper
43 100
58 31.8 28.1 42.1



#59
2-Hexanone
Concen: 0.37 ug/l
RT: 8.697 min Scan# 2288
Delta R.T. 0.003 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

Tgt Ion: 43 Resp: 1417
Ion Ratio Lower Upper
43 100
58 37.3 24.0 72.0

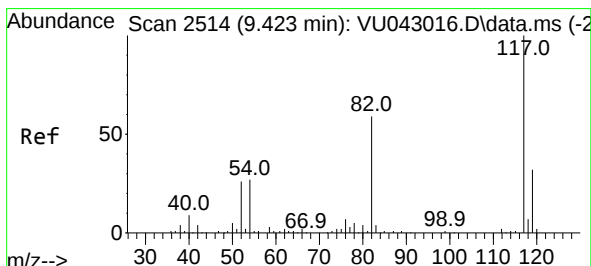
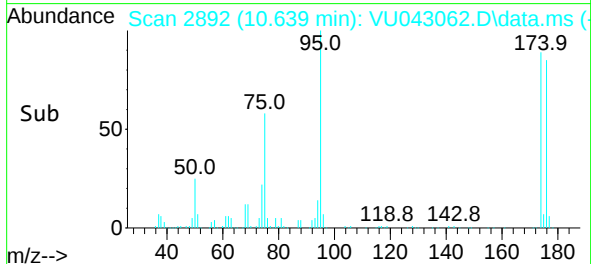
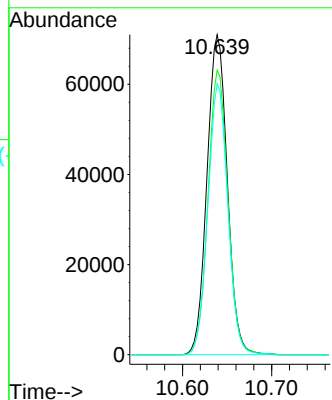
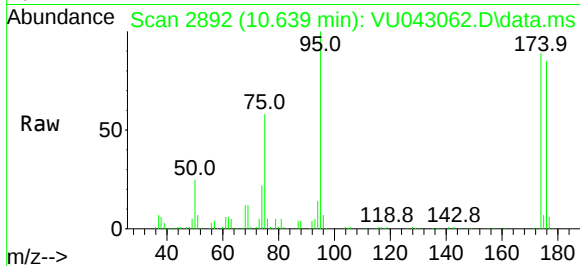




#62
4-Bromofluorobenzene
Concen: 43.91 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

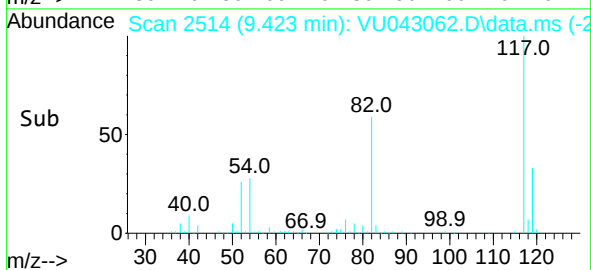
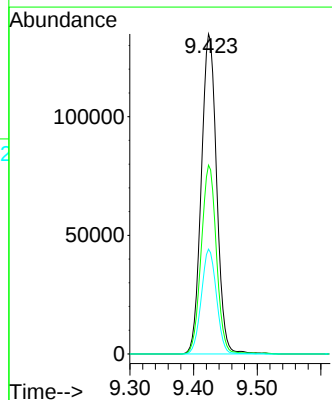
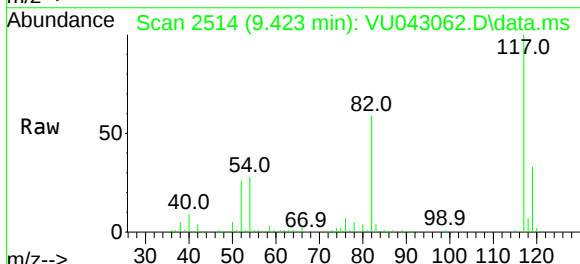
Instrument :
MSVOA_U
ClientSampleId :

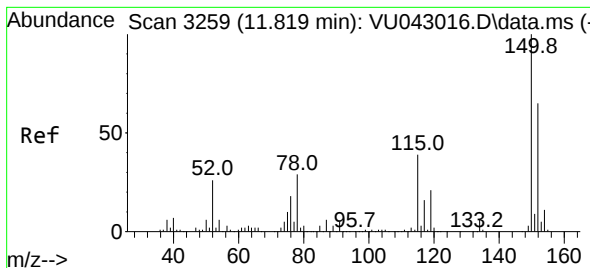
Tgt Ion: 95 Resp: 112520
Ion Ratio Lower Upper
95 100
174 87.4 0.0 172.2
176 83.0 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

Tgt Ion: 117 Resp: 225636
Ion Ratio Lower Upper
117 100
82 59.0 45.8 68.6
119 32.7 25.8 38.8

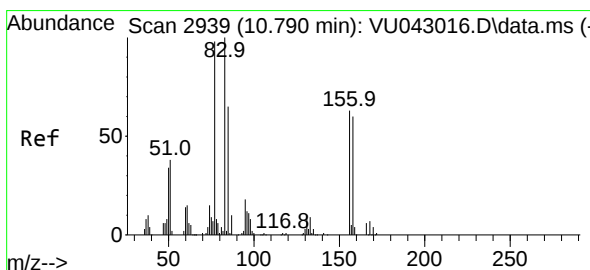
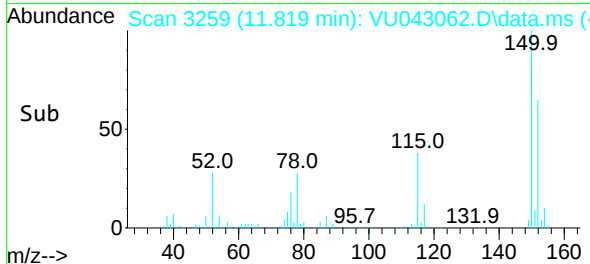
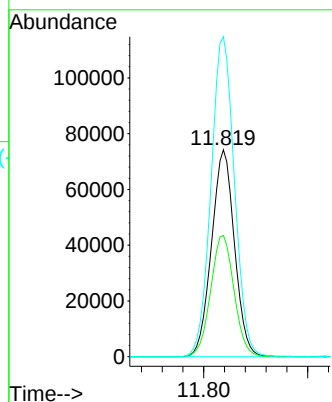
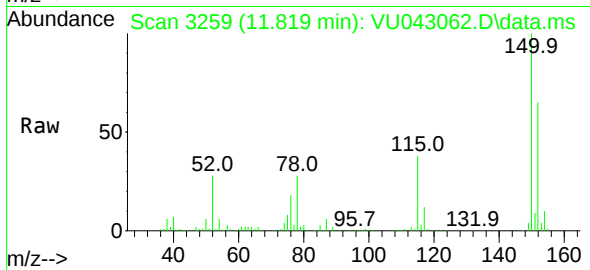




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU043062.D
 Acq: 13 Apr 2021 19:17

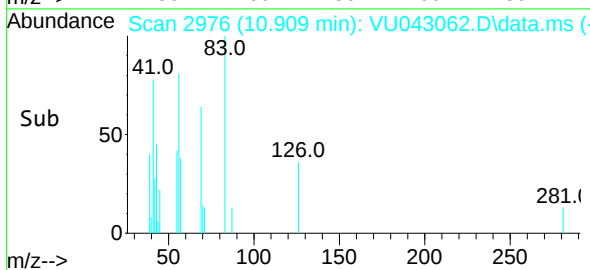
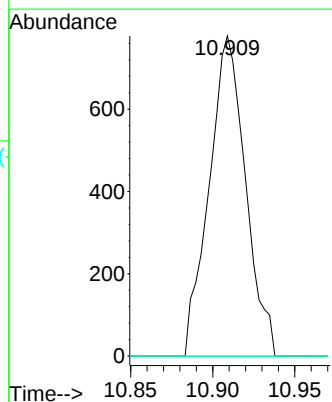
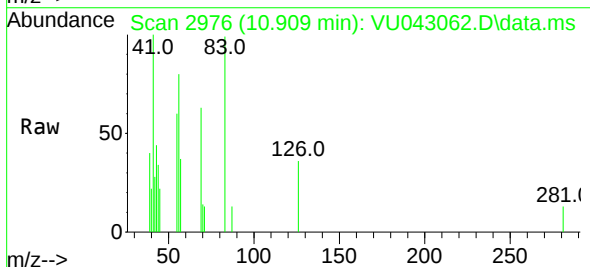
Instrument :
 MSVOA_U
 ClientSampleId :

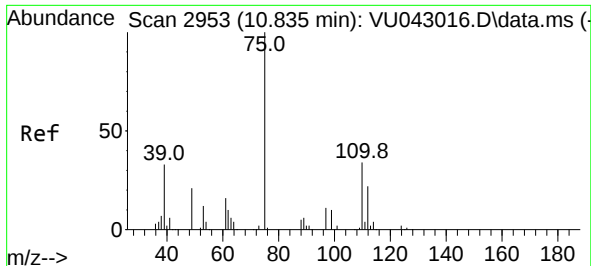
Tgt Ion:152 Resp: 113940
 Ion Ratio Lower Upper
 152 100
 115 59.8 41.5 124.6
 150 157.7 0.0 342.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.36 ug/l
 RT: 10.909 min Scan# 2976
 Delta R.T. 0.119 min
 Lab File: VU043062.D
 Acq: 13 Apr 2021 19:17

Tgt Ion: 83 Resp: 1200
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.1 15.2#
 85 0.0 31.7 95.1#

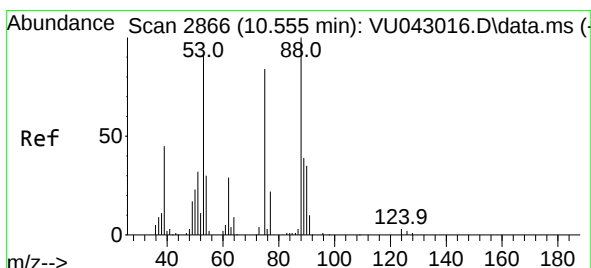
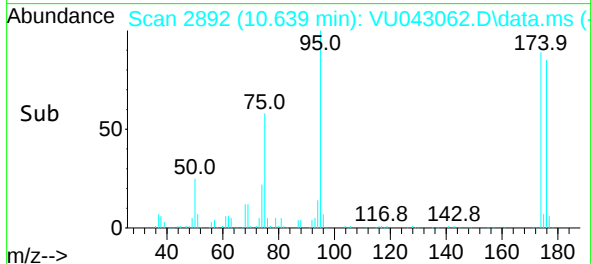
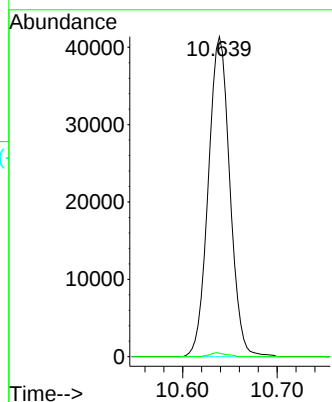
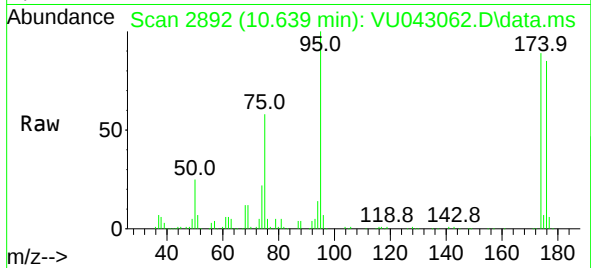




#76
1,2,3-Trichloropropane
Concen: 19.69 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

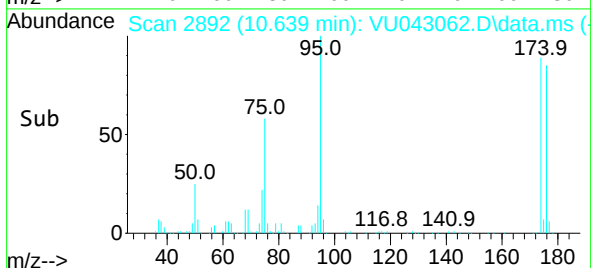
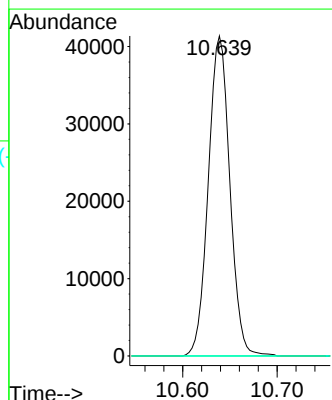
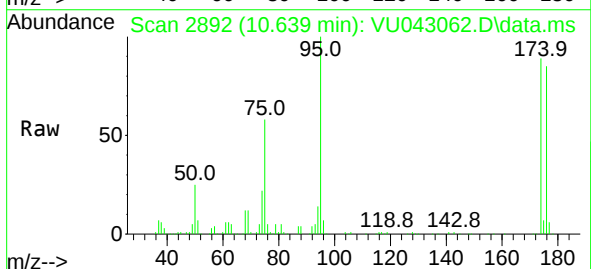
Instrument :
MSVOA_U
ClientSampled :

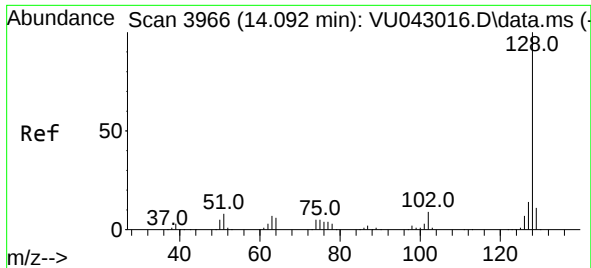
Tgt Ion: 75 Resp: 65542
Ion Ratio Lower Upper
75 100
77 1.0 20.2 60.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.84 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

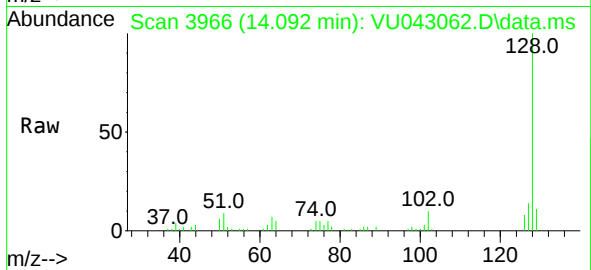
Tgt Ion: 75 Resp: 65542
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#





#95
Naphthalene
Concen: 5.82 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.000 min
Lab File: VU043062.D
Acq: 13 Apr 2021 19:17

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 26823
Ion Ratio Lower Upper
128 100
127 14.0 10.8 16.2
129 11.9 8.6 13.0

