

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111021\
 Data File : VU045713.D
 Acq On : 11 Nov 2021 01:45
 Operator : SY/MD
 Sample : M4594-13DL 40X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 11 02:36:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

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

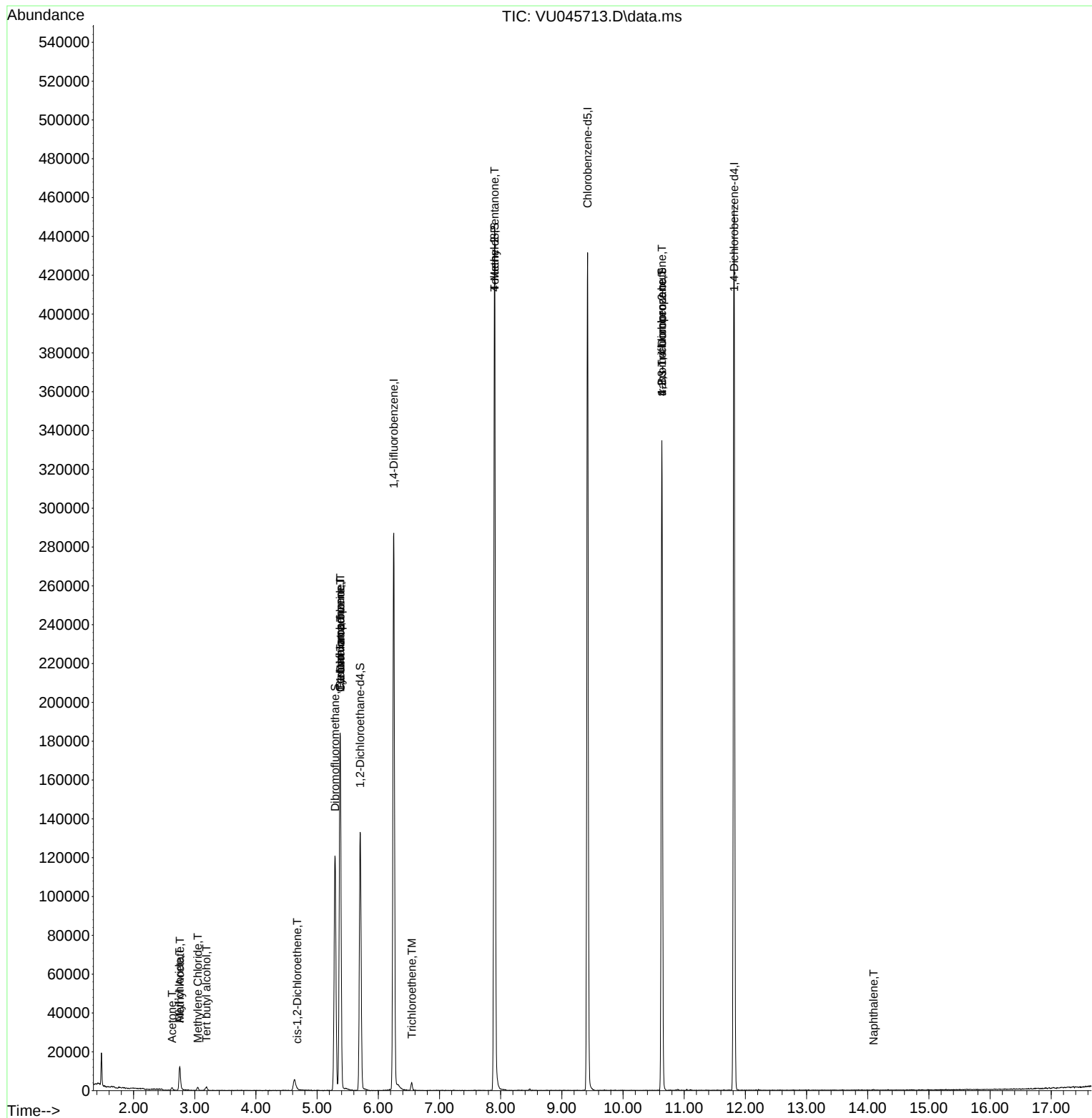
Internal Standards						
1) Pentafluorobenzene	5.375	168	120908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	226966	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	231121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	113818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	99844	55.140	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.280%	
35) Dibromofluoromethane	5.292	113	77956	51.445	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.880%	
50) Toluene-d8	7.899	98	294081	52.191	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.380%	
62) 4-Bromofluorobenzene	10.636	95	111545	49.367	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.740%	
Target Compounds						Qvalue
11) Tert butyl alcohol	3.192	59	1127	3.145	ug/l #	72
14) Allyl chloride	2.752	41	1108	0.466	ug/l #	64
16) Acetone	2.629	43	1765	1.915	ug/l	89
18) Methyl Acetate	2.758	43	3500	1.115	ug/l #	50
20) Methylene Chloride	3.051	84	725	0.453	ug/l	90
27) cis-1,2-Dichloroethene	4.674	96	332	0.204	ug/l	94
31) Cyclohexane	5.378	56	2557	0.968	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	10591	4.786	ug/l #	51
38) Carbon Tetrachloride	5.378	117	12967	5.812	ug/l #	16
44) Trichloroethene	6.549	130	1382	0.881	ug/l	77
51) 4-Methyl-2-Pentanone	7.899	43	1171	0.457	ug/l #	1
76) 1,2,3-Trichloropropane	10.636	75	59574	17.260	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.636	75	59574	56.150	ug/l #	12
95) Naphthalene	14.095	128	433	1.075	ug/l #	69

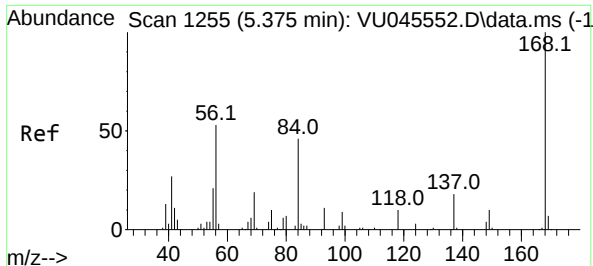
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
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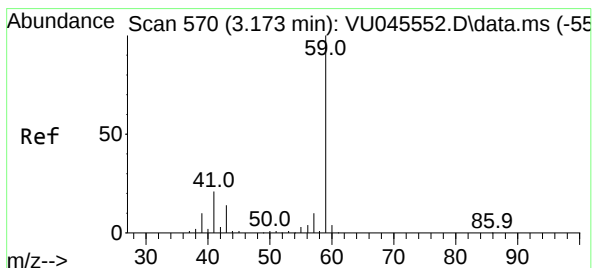
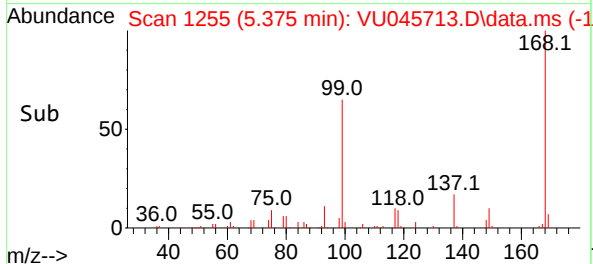
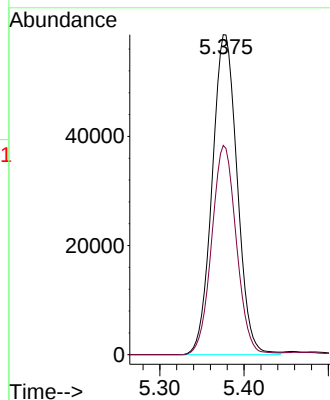
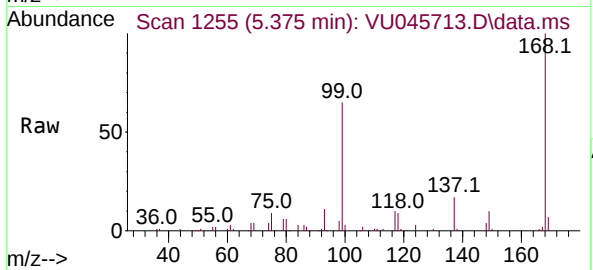




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045713.D
Acq: 11 Nov 2021 01:45

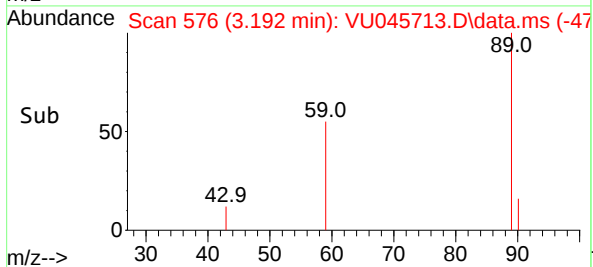
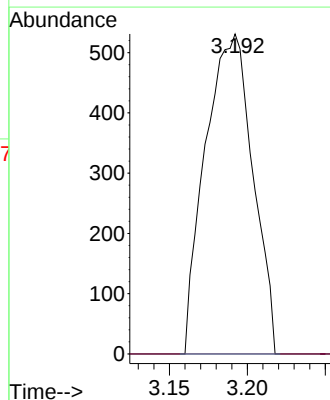
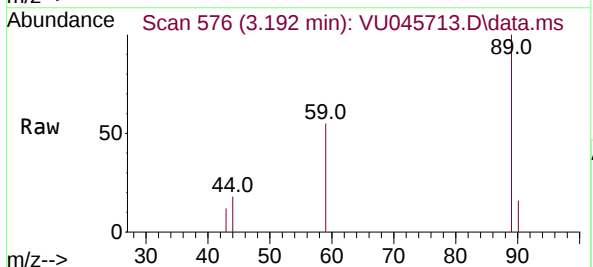
Instrument :
MSVOA_U
ClientSampleId :

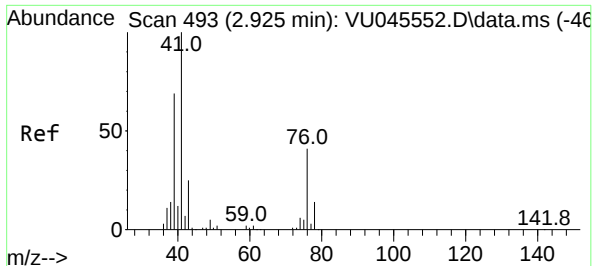
Tgt Ion:168 Resp: 120908
Ion Ratio Lower Upper
168 100
99 65.4 51.0 76.6



#11
Tert butyl alcohol
Concen: 3.145 ug/l
RT: 3.192 min Scan# 576
Delta R.T. 0.019 min
Lab File: VU045713.D
Acq: 11 Nov 2021 01:45

Tgt Ion: 59 Resp: 1127
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#14

Allyl chloride

Concen: 0.466 ug/l

RT: 2.752 min Scan# 41

Delta R.T. -0.174 min

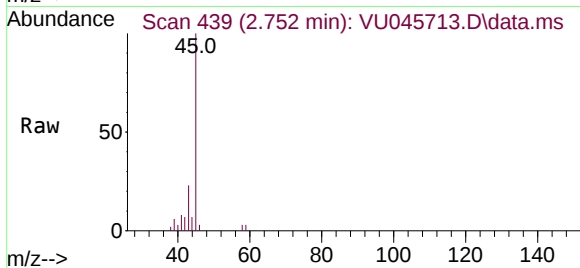
Lab File: VU045713.D

Acq: 11 Nov 2021 01:45

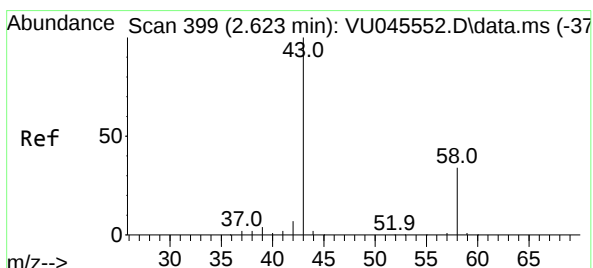
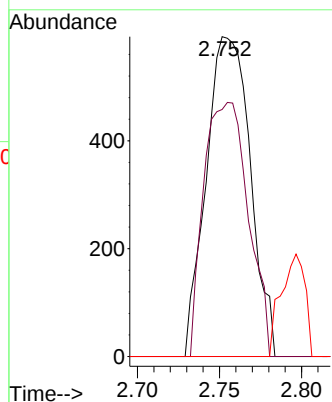
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 41	Resp: 1108
Ion Ratio	Lower Upper
41	100
39	80.1 49.7 74.5#
76	0.0 27.7 41.5#



#16

Acetone

Concen: 1.915 ug/l

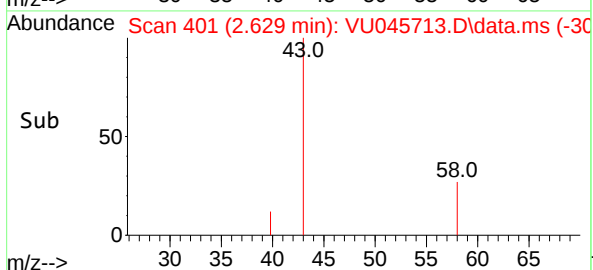
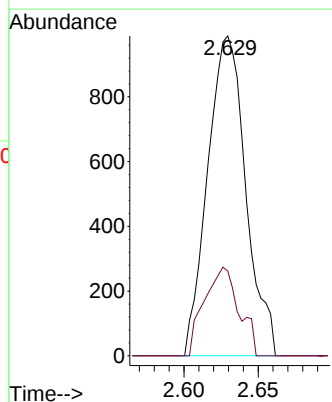
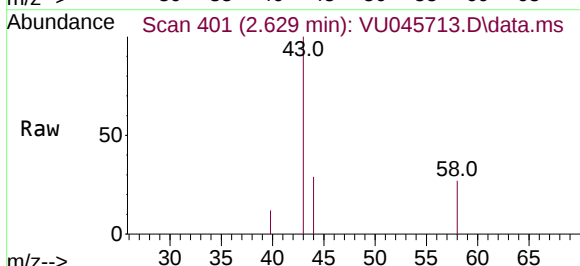
RT: 2.629 min Scan# 401

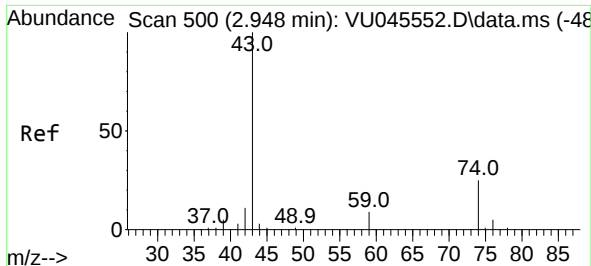
Delta R.T. 0.006 min

Lab File: VU045713.D

Acq: 11 Nov 2021 01:45

Tgt Ion: 43	Resp: 1765
Ion Ratio	Lower Upper
43	100
58	26.5 26.2 39.2

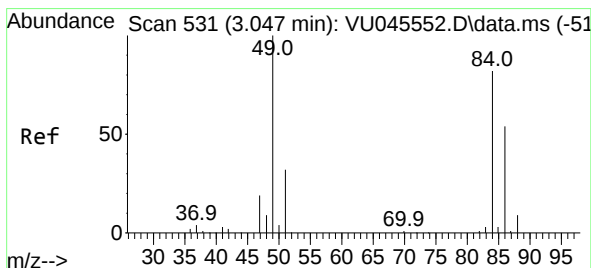
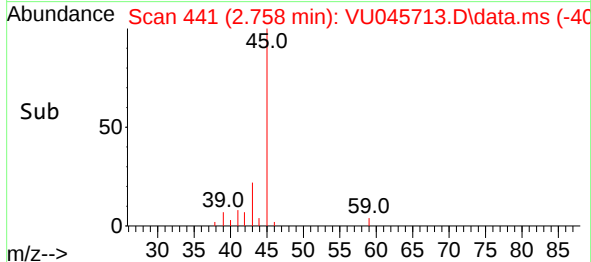
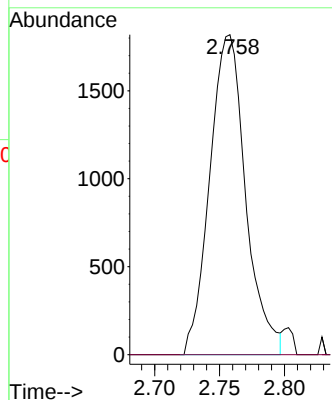
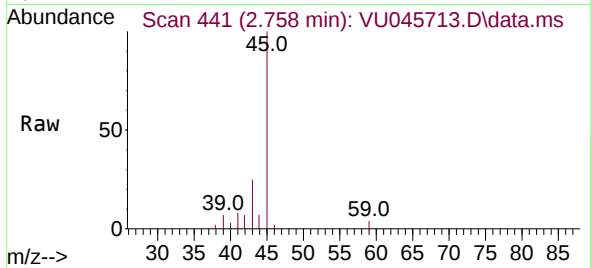




#18
Methyl Acetate
Concen: 1.115 ug/l
RT: 2.758 min Scan# 441
Delta R.T. -0.190 min
Lab File: VU045713.D
Acq: 11 Nov 2021 01:45

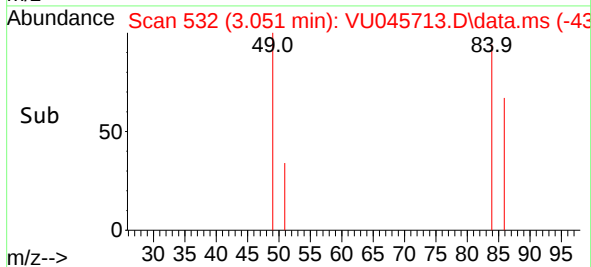
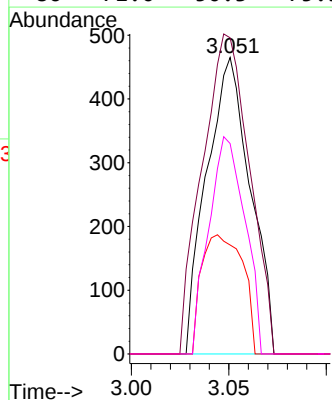
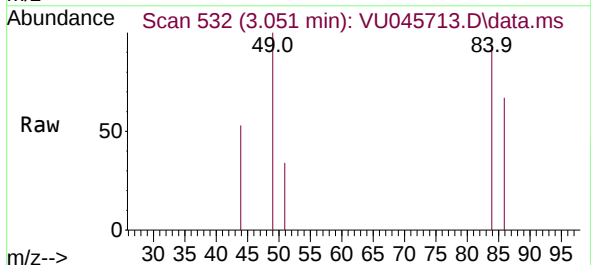
Instrument :
MSVOA_U
ClientSampleId :

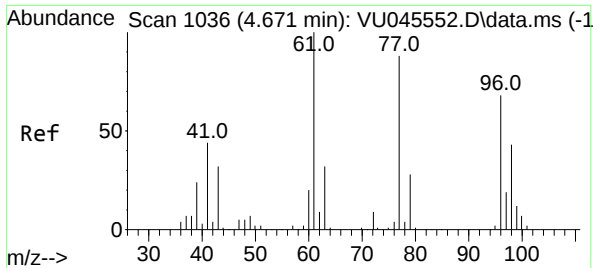
Tgt Ion: 43 Resp: 3500
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#20
Methylene Chloride
Concen: 0.453 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.003 min
Lab File: VU045713.D
Acq: 11 Nov 2021 01:45

Tgt Ion: 84 Resp: 725
Ion Ratio Lower Upper
84 100
49 106.7 96.4 144.6
51 36.8 30.5 45.7
86 71.0 50.3 75.5

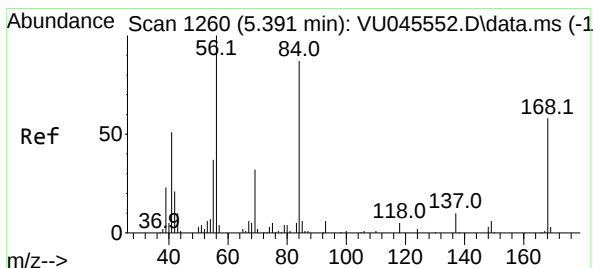
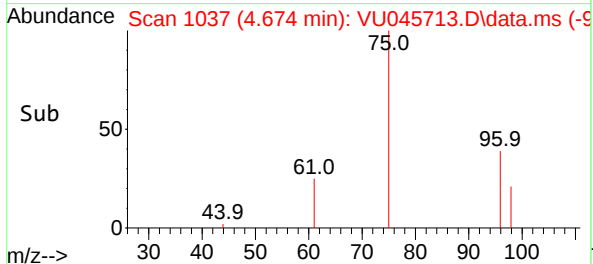
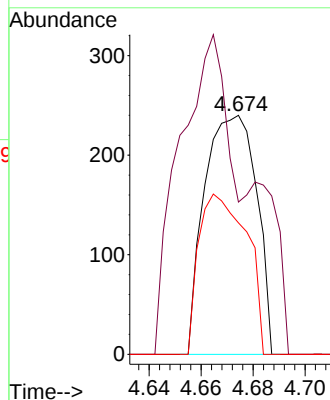
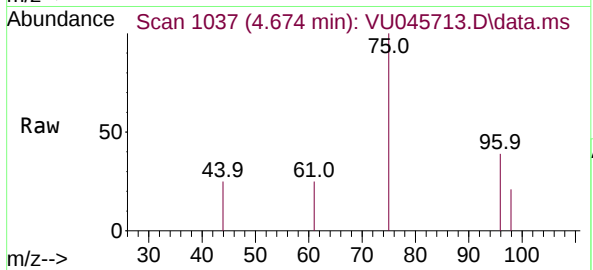




#27
 cis-1,2-Dichloroethene
 Concen: 0.204 ug/l
 RT: 4.674 min Scan# 1036
 Delta R.T. 0.003 min
 Lab File: VU045713.D
 Acq: 11 Nov 2021 01:45

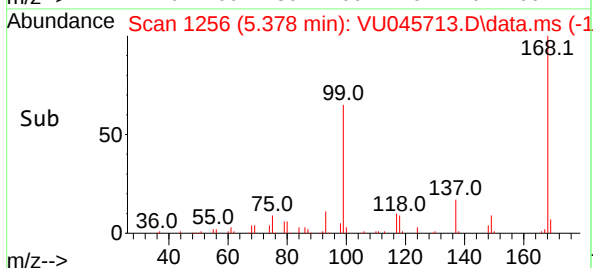
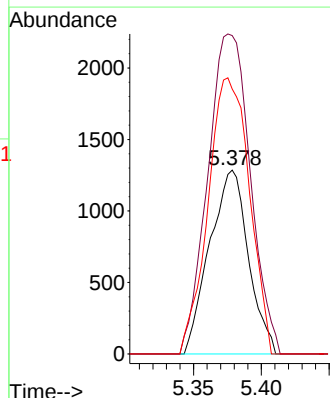
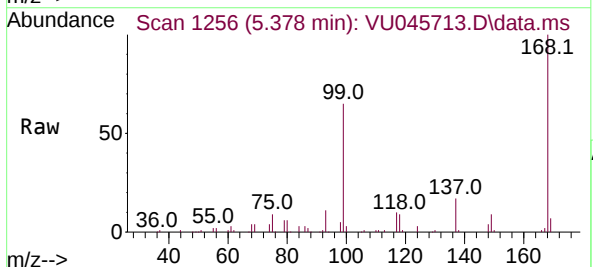
Instrument :
 MSVOA_U
 ClientSampleId :

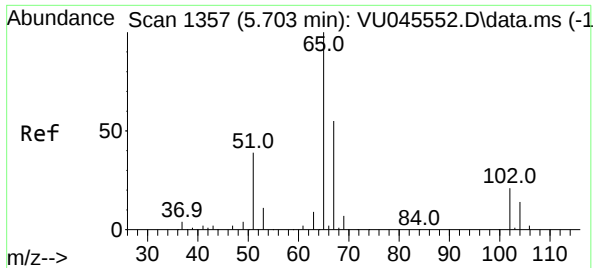
Tgt Ion: 96 Resp: 332
 Ion Ratio Lower Upper
 96 100
 61 140.4 0.0 299.2
 98 62.0 0.0 127.6



#31
 Cyclohexane
 Concen: 0.968 ug/l
 RT: 5.378 min Scan# 1256
 Delta R.T. -0.013 min
 Lab File: VU045713.D
 Acq: 11 Nov 2021 01:45

Tgt Ion: 56 Resp: 2557
 Ion Ratio Lower Upper
 56 100
 69 173.2 26.4 39.6#
 84 144.1 68.4 102.6#





#33

1,2-Dichloroethane-d4

Concen: 55.140 ug/l

RT: 5.703 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU045713.D

Acq: 11 Nov 2021 01:45

Instrument :

MSVOA_U

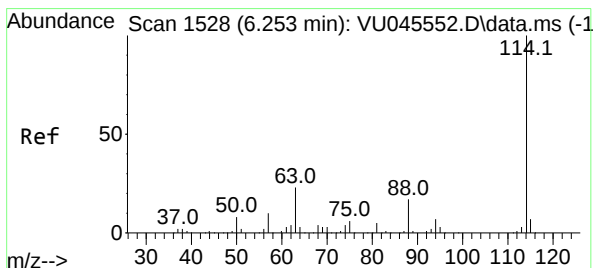
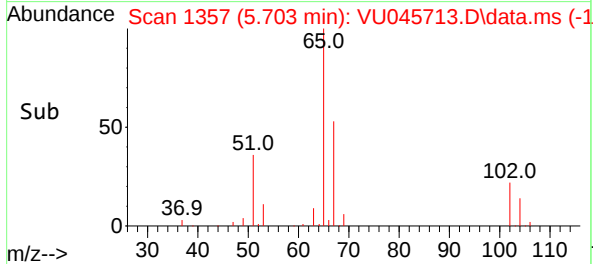
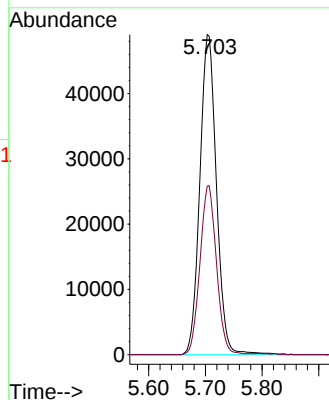
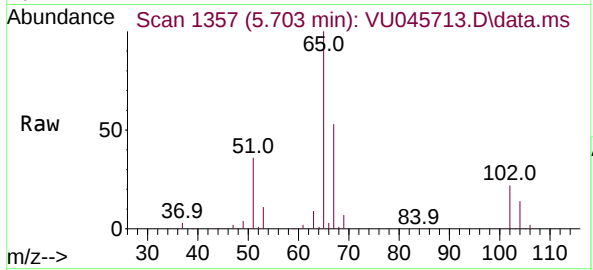
ClientSampleId :

Tgt Ion: 65 Resp: 99844

Ion Ratio Lower Upper

65 100

67 52.4 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. 0.000 min

Lab File: VU045713.D

Acq: 11 Nov 2021 01:45

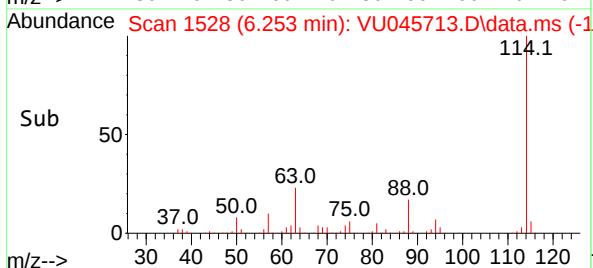
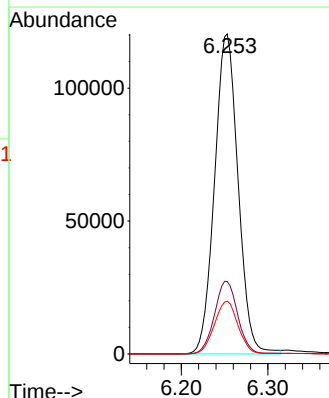
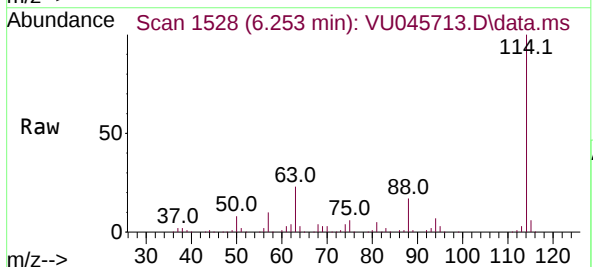
Tgt Ion:114 Resp: 226966

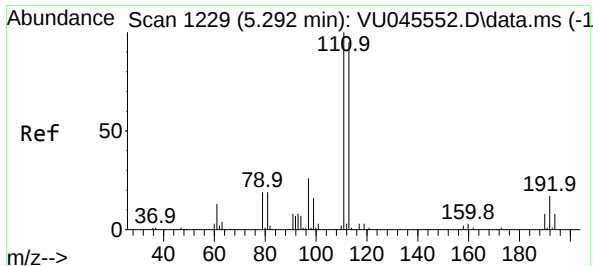
Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

88 16.5 0.0 33.8

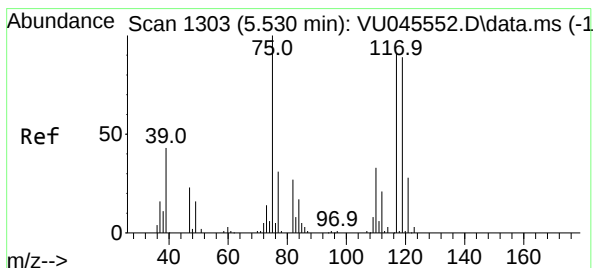
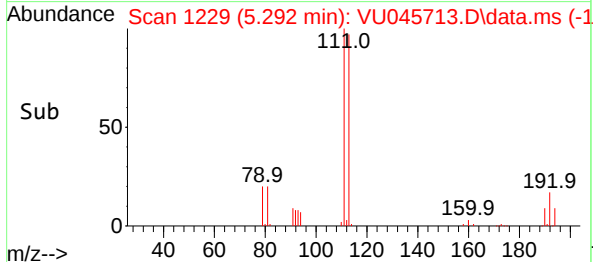
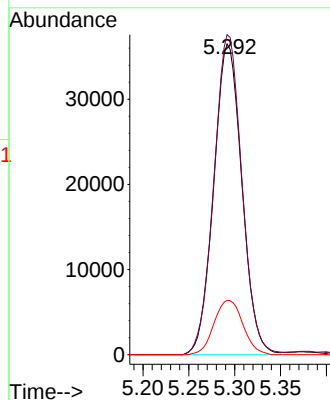
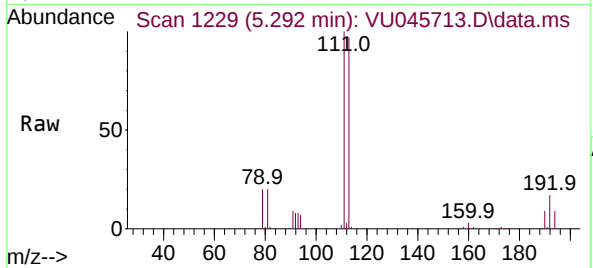




#35
Dibromofluoromethane
Concen: 51.445 ug/l
RT: 5.292 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU045713.D
Acq: 11 Nov 2021 01:45

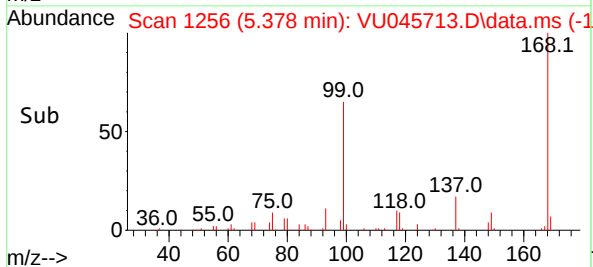
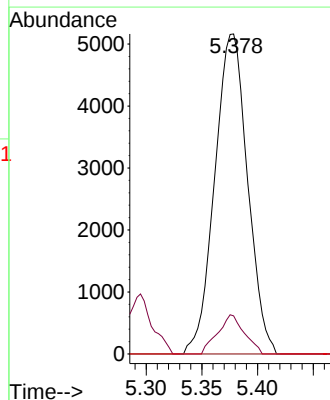
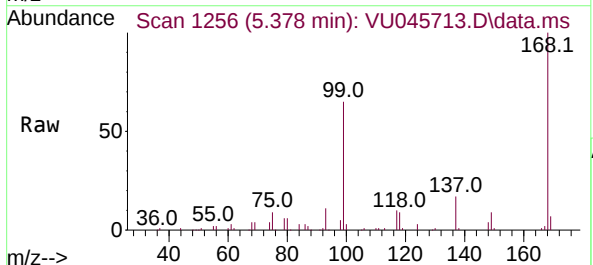
Instrument :
MSVOA_U
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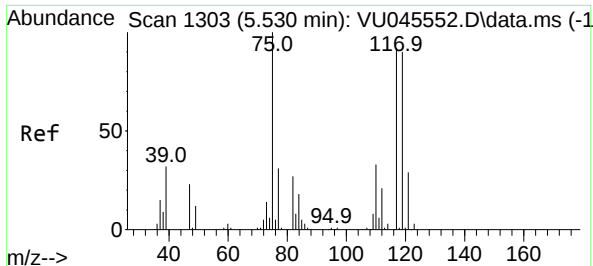
Tgt Ion:113 Resp: 77956
Ion Ratio Lower Upper
113 100
111 102.3 82.8 124.2
192 17.9 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.786 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU045713.D
Acq: 11 Nov 2021 01:45

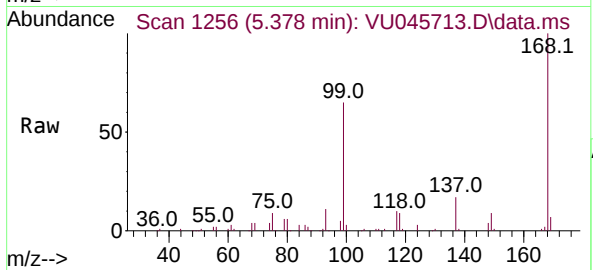
Tgt Ion: 75 Resp: 10591
Ion Ratio Lower Upper
75 100
110 9.9 16.7 50.0#
77 0.0 25.0 37.4#



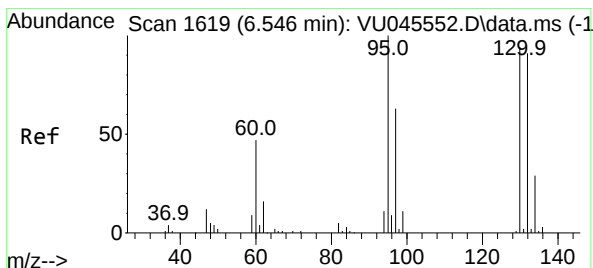
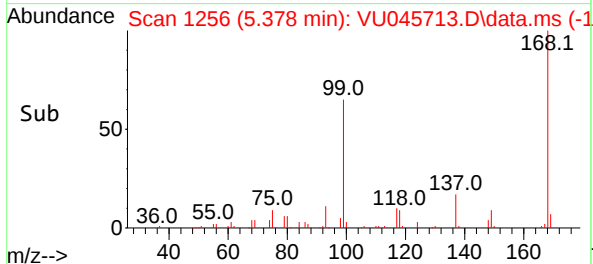
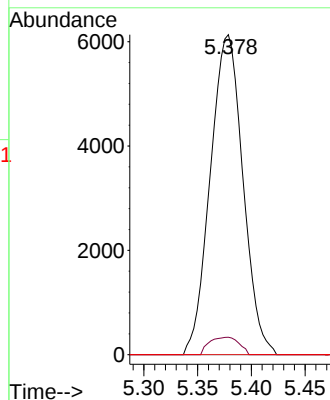


#38
Carbon Tetrachloride
Concen: 5.812 ug/l
RT: 5.378 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU045713.D
Acq: 11 Nov 2021 01:45

Instrument :
MSVOA_U
ClientSampleId :

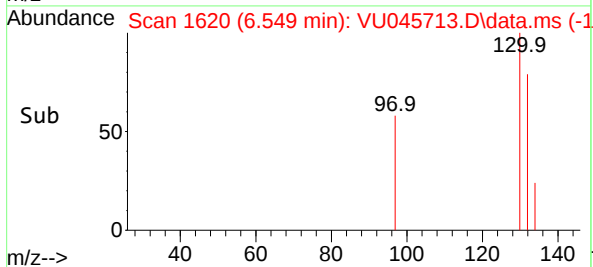
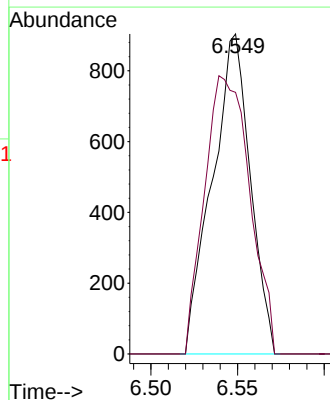
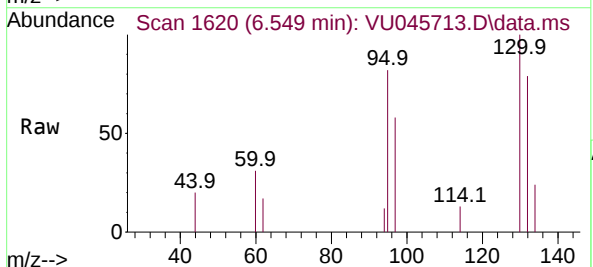


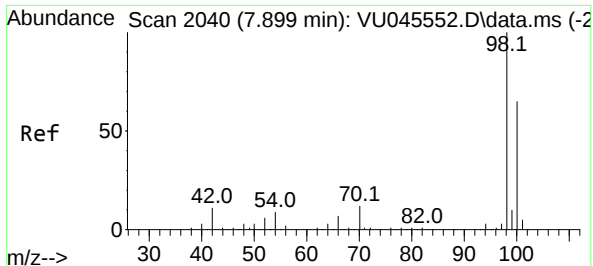
Tgt Ion:117 Resp: 12967
Ion Ratio Lower Upper
117 100
119 5.5 77.4 116.0#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 0.881 ug/l
RT: 6.549 min Scan# 1620
Delta R.T. 0.003 min
Lab File: VU045713.D
Acq: 11 Nov 2021 01:45

Tgt Ion:130 Resp: 1382
Ion Ratio Lower Upper
130 100
95 81.7 0.0 211.4

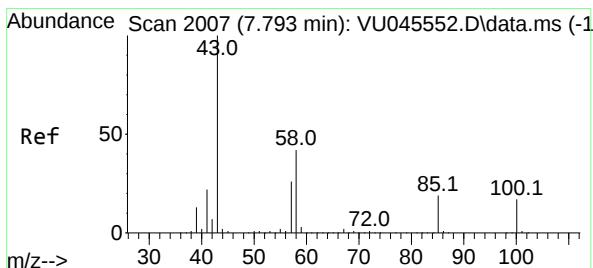
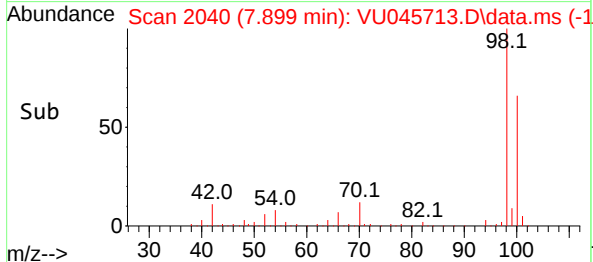
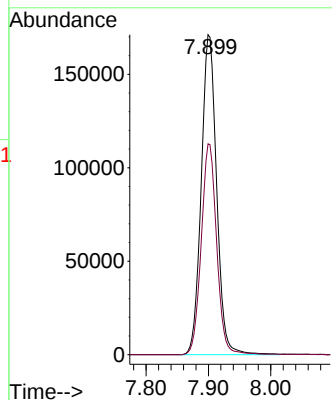
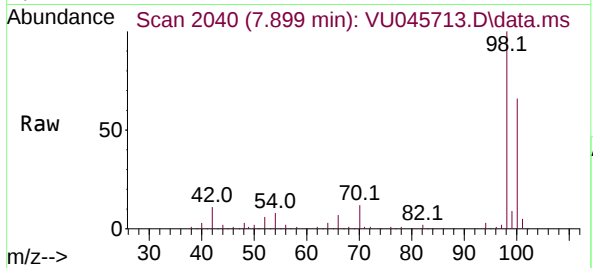




#50
Toluene-d8
Concen: 52.191 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU045713.D
Acq: 11 Nov 2021 01:45

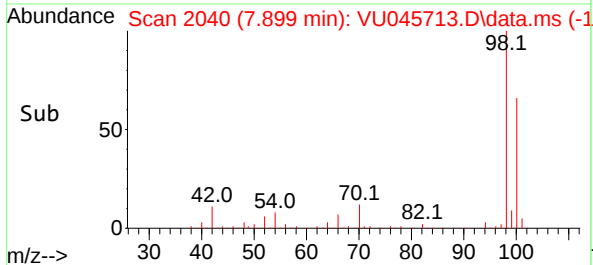
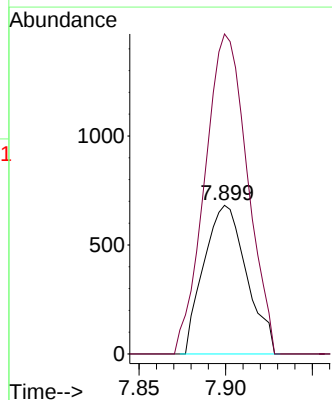
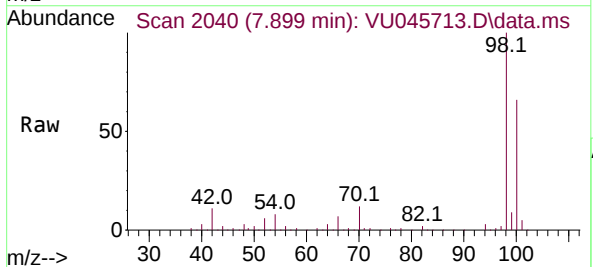
Instrument :
MSVOA_U
ClientSampleId :

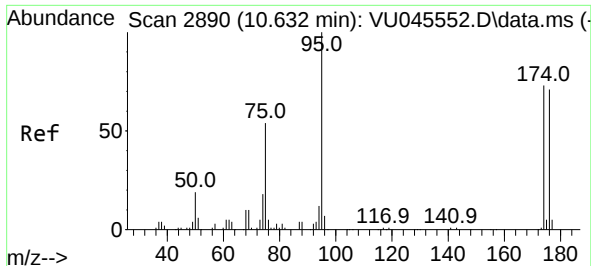
Tgt Ion: 98 Resp: 294081
Ion Ratio Lower Upper
98 100
100 65.9 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.457 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.106 min
Lab File: VU045713.D
Acq: 11 Nov 2021 01:45

Tgt Ion: 43 Resp: 1171
Ion Ratio Lower Upper
43 100
58 214.3 33.8 50.8#

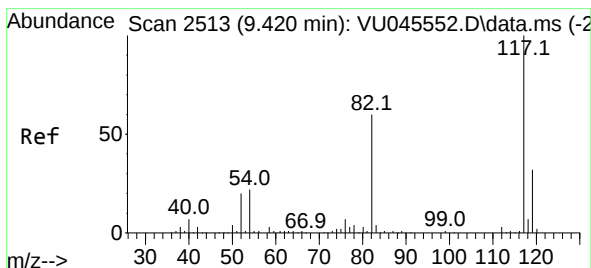
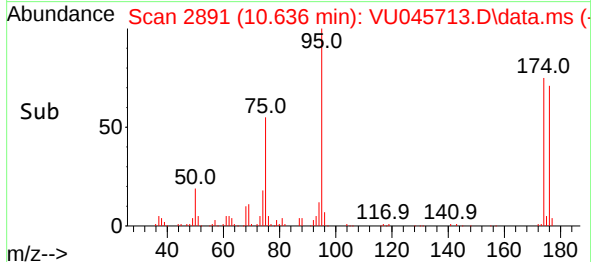
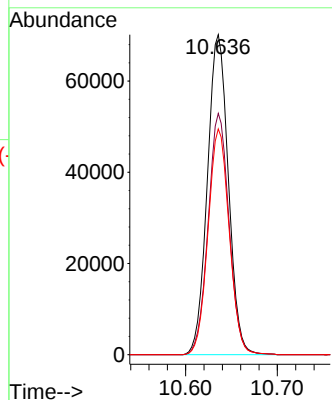
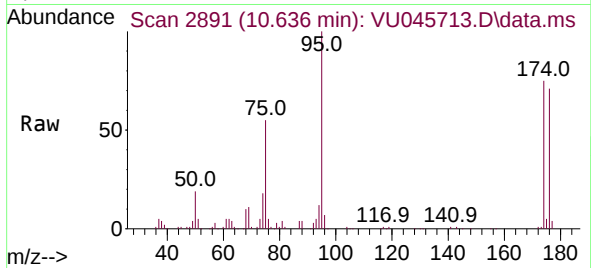




#62
4-Bromofluorobenzene
Concen: 49.367 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU045713.D
Acq: 11 Nov 2021 01:45

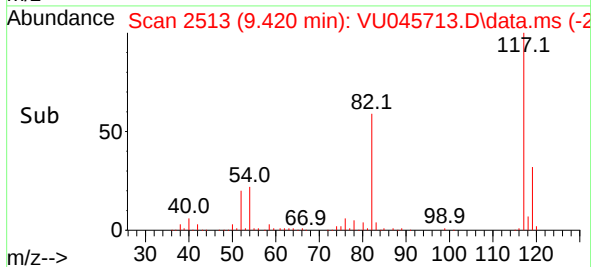
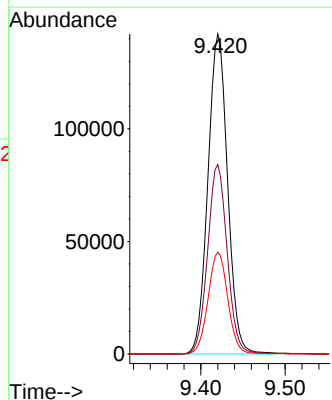
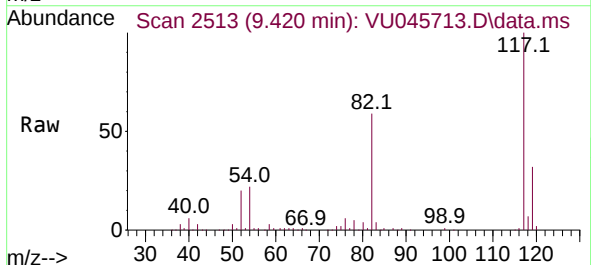
Instrument :
MSVOA_U
ClientSampleId :

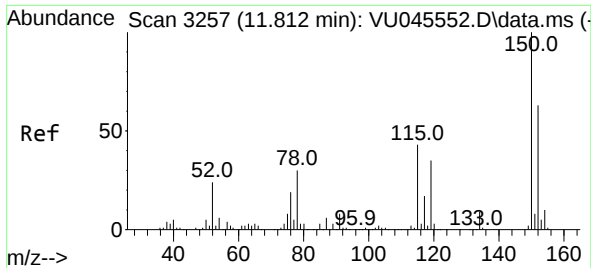
Tgt Ion: 95 Resp: 111545
Ion Ratio Lower Upper
95 100
174 75.3 0.0 141.8
176 71.2 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045713.D
Acq: 11 Nov 2021 01:45

Tgt Ion: 117 Resp: 231121
Ion Ratio Lower Upper
117 100
82 59.2 47.8 71.8
119 31.8 25.8 38.8

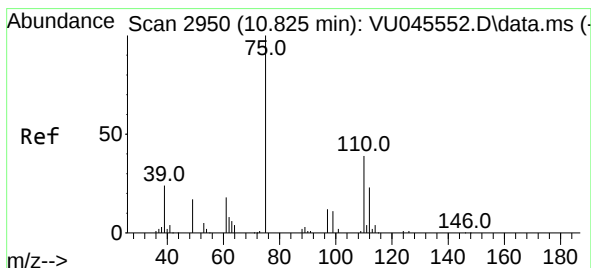
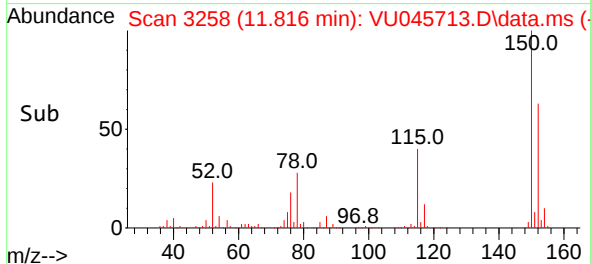
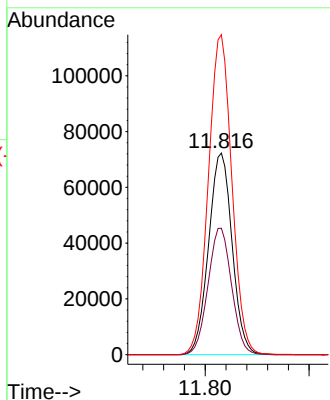
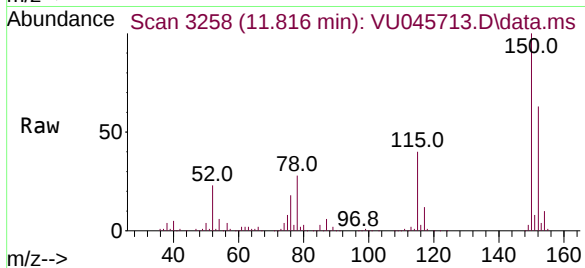




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU045713.D
 Acq: 11 Nov 2021 01:45

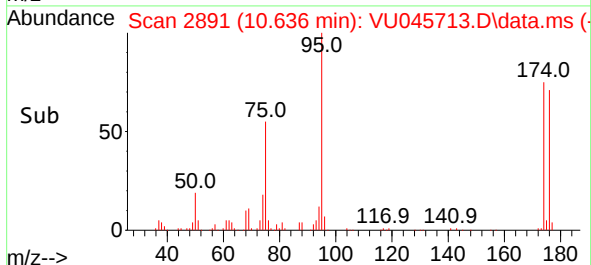
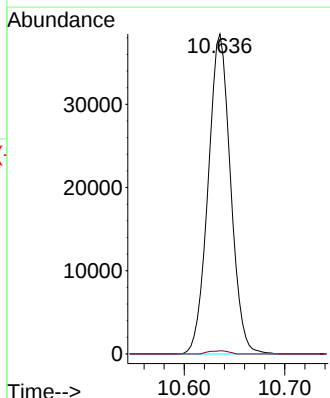
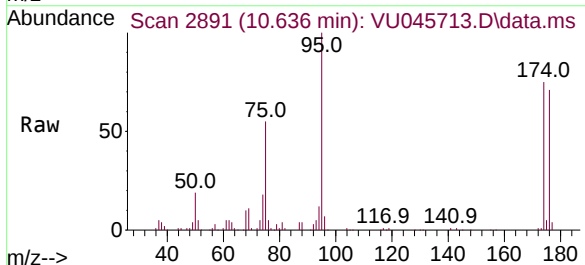
Instrument :
 MSVOA_U
 ClientSampleId :

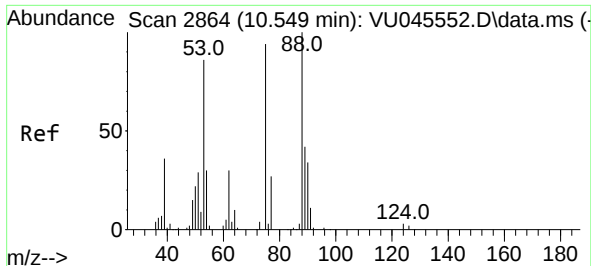
Tgt Ion:152 Resp: 113818
 Ion Ratio Lower Upper
 152 100
 115 62.8 42.7 128.1
 150 158.1 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 17.260 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.190 min
 Lab File: VU045713.D
 Acq: 11 Nov 2021 01:45

Tgt Ion: 75 Resp: 59574
 Ion Ratio Lower Upper
 75 100
 77 0.9 17.1 51.3#

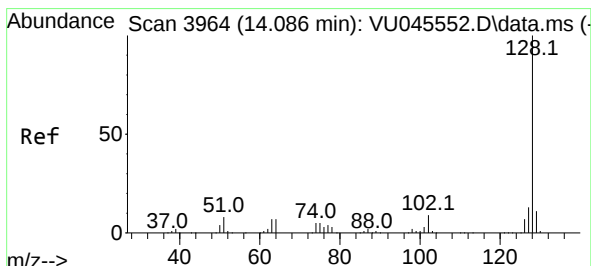
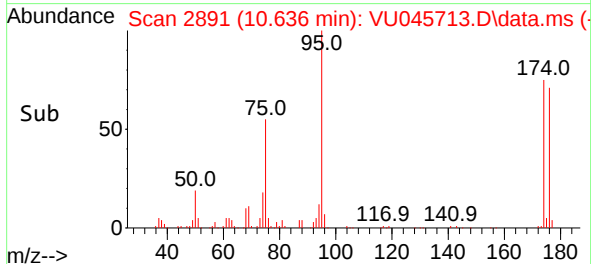
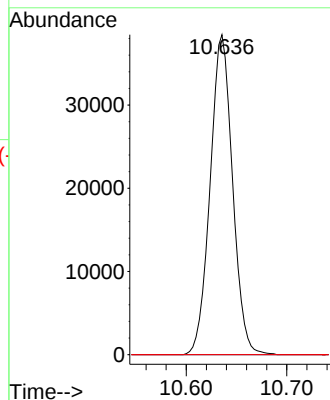
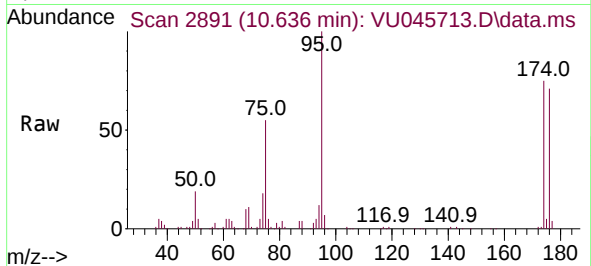




#81
trans-1,4-Dichloro-2-butene
Concen: 56.150 ug/l
RT: 10.636 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU045713.D
Acq: 11 Nov 2021 01:45

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 59574
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#95
Naphthalene
Concen: 1.075 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.009 min
Lab File: VU045713.D
Acq: 11 Nov 2021 01:45

Tgt Ion:128 Resp: 433
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

