

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102521\
 Data File : VU045380.D
 Acq On : 25 Oct 2021 13:28
 Operator : SY/MD
 Sample : M4290-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 04:41:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

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

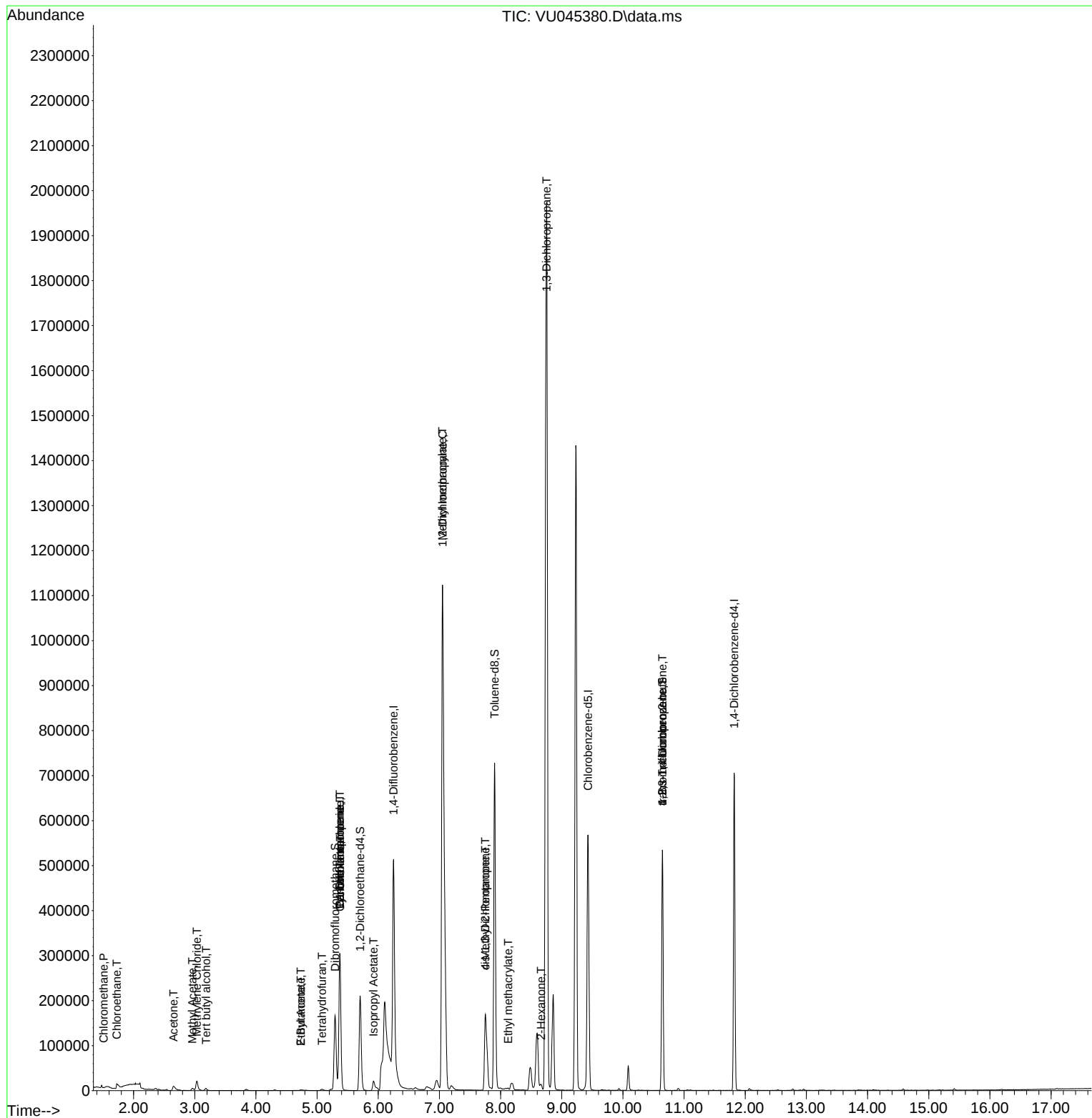
Internal Standards						
1) Pentafluorobenzene	5.372	168	220863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	420573	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.430	117	390276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	175538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	179031	48.696	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.400%
35) Dibromofluoromethane	5.295	113	127539	48.071	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.140%
50) Toluene-d8	7.902	98	526654	50.239	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.480%
62) 4-Bromofluorobenzene	10.645	95	198260	45.810	ug/l	0.01
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.620%
Target Compounds						
					Qvalue	
3) Chloromethane	1.514	50	970	0.274	ug/l #	88
6) Chloroethane	1.726	64	14759	5.431	ug/l #	54
11) Tert butyl alcohol	3.186	59	3211	3.043	ug/l #	72
16) Acetone	2.652	43	19746	9.048	ug/l	100
18) Methyl Acetate	2.960	43	9476	1.486	ug/l	95
20) Methylene Chloride	3.034	84	12067	3.671	ug/l	92
25) 2-Butanone	4.732	43	1398	0.451	ug/l	96
29) Tetrahydrofuran	5.079	42	2654	1.438	ug/l	89
31) Cyclohexane	5.375	56	5326	0.954	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	20920	4.756	ug/l #	49
37) Ethyl Acetate	4.732	43	1398	0.240	ug/l #	69
38) Carbon Tetrachloride	5.372	117	23092	6.068	ug/l #	16
43) Isopropyl Acetate	5.922	43	32697	3.735	ug/l	99
45) 1,2-Dichloropropane	7.054	63	1774	0.511	ug/l #	45
48) Methyl methacrylate	7.050	41	156675	36.766	ug/l #	43
49) 1,4-Dioxane	7.060	88	108	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.751	43	110098	17.274	ug/l #	46
54) cis-1,3-Dichloropropene	7.751	75	52748	9.748	ug/l #	55
56) Ethyl methacrylate	8.124	69	5270	2.586	ug/l #	33
57) 1,3-Dichloropropane	8.751	76	31132	5.107	ug/l #	43
59) 2-Hexanone	8.661	43	14185	2.733	ug/l #	23
76) 1,2,3-Trichloropropane	10.645	75	103147	20.145	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.645	75	103147	55.907	ug/l #	9

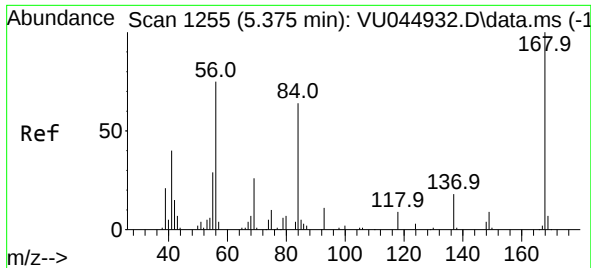
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

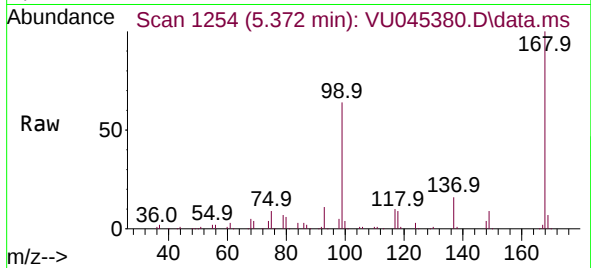
Quant Time: Oct 26 04:41:43 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 28 12:32:13 2021
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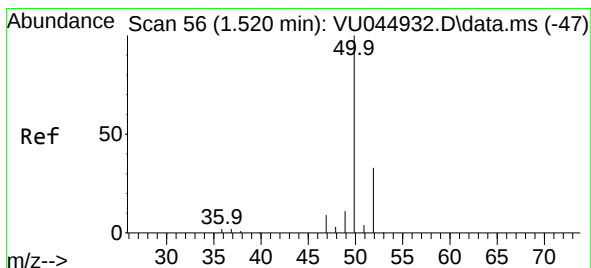
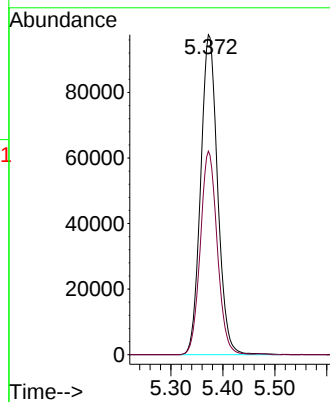
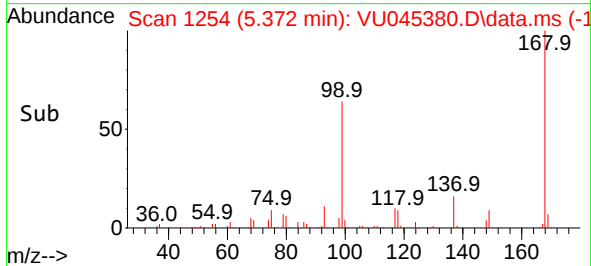


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.003 min
Lab File: VU045380.D
Acq: 25 Oct 2021 13:28

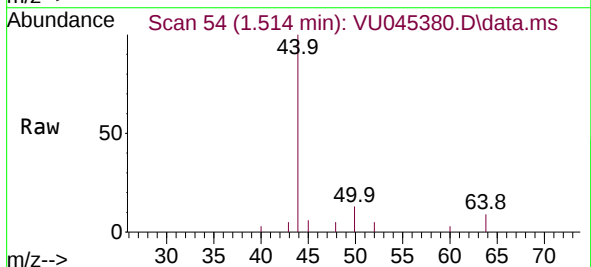
Instrument :
MSVOA_U
ClientSampled :



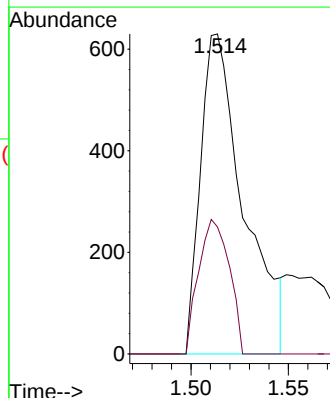
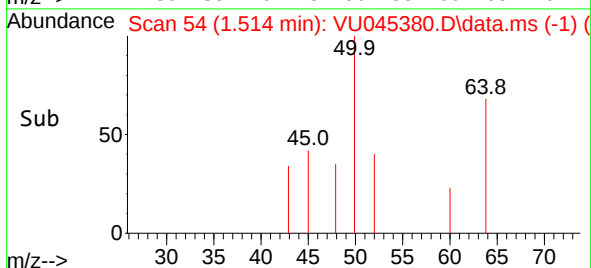
Tgt Ion:168 Resp: 220863
Ion Ratio Lower Upper
168 100
99 63.6 51.4 77.0

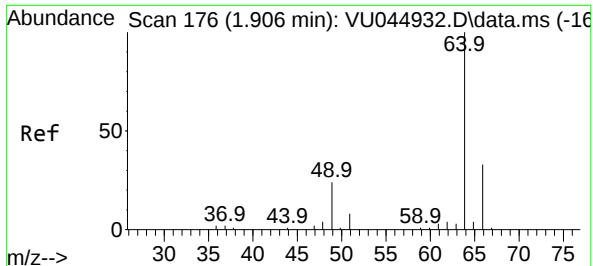


#3
Chloromethane
Concen: 0.274 ug/l
RT: 1.514 min Scan# 54
Delta R.T. -0.006 min
Lab File: VU045380.D
Acq: 25 Oct 2021 13:28



Tgt Ion: 50 Resp: 970
Ion Ratio Lower Upper
50 100
52 39.7 26.3 39.5#

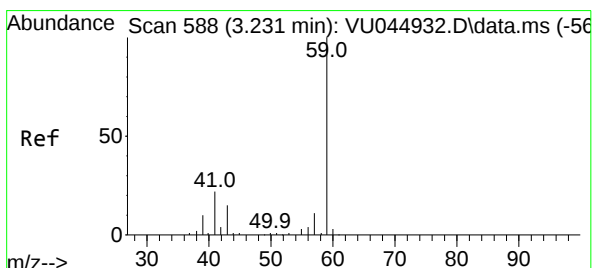
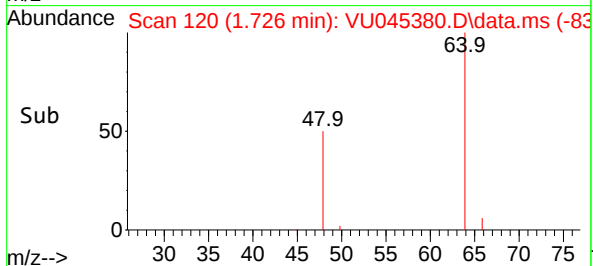
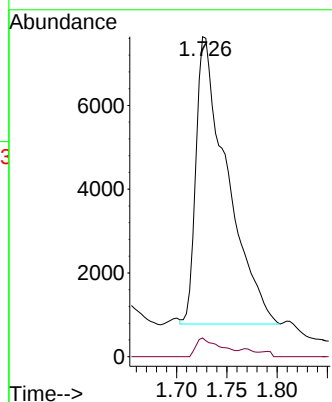
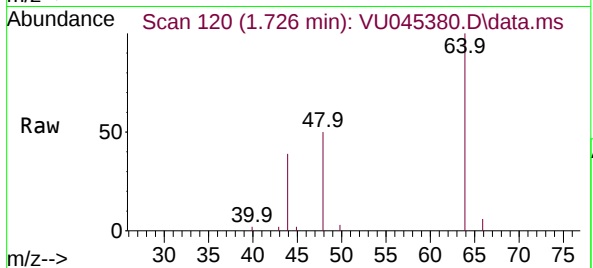




#6
Chloroethane
Concen: 5.431 ug/l
RT: 1.726 min Scan# 120
Delta R.T. -0.180 min
Lab File: VU045380.D
Acq: 25 Oct 2021 13:28

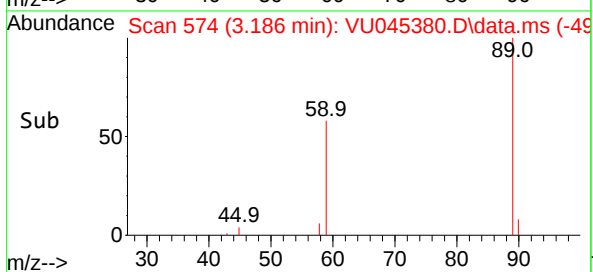
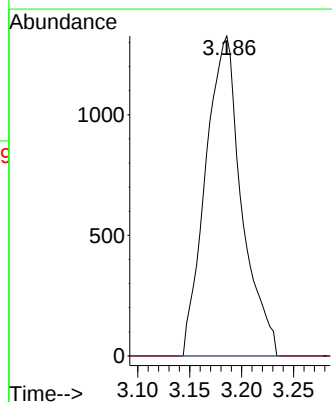
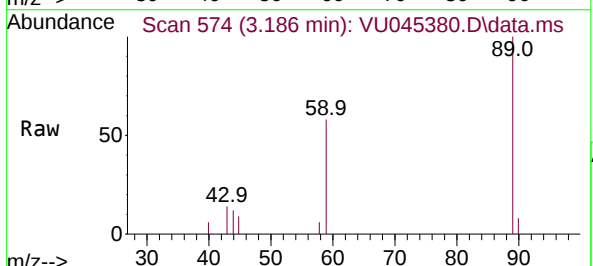
Instrument :
MSVOA_U
ClientSampled :

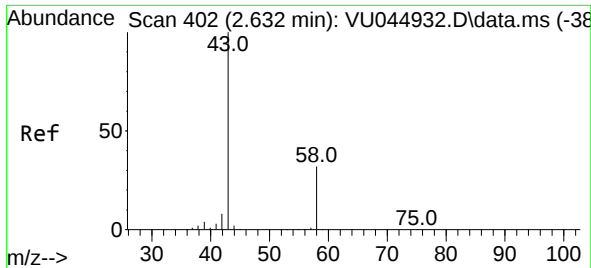
Tgt Ion: 64 Resp: 14759
Ion Ratio Lower Upper
64 100
66 6.5 25.8 38.8#



#11
Tert butyl alcohol
Concen: 3.043 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.045 min
Lab File: VU045380.D
Acq: 25 Oct 2021 13:28

Tgt Ion: 59 Resp: 3211
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

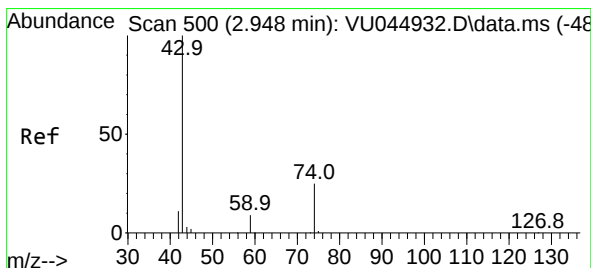
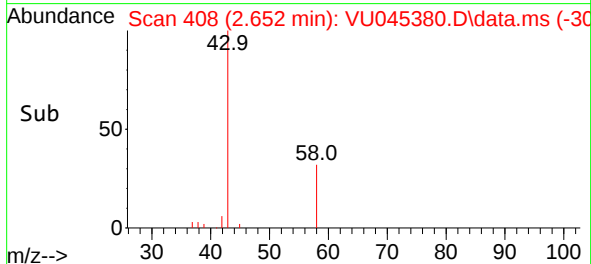
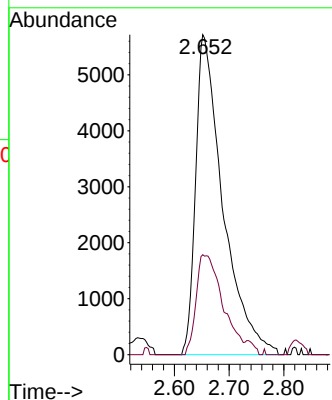
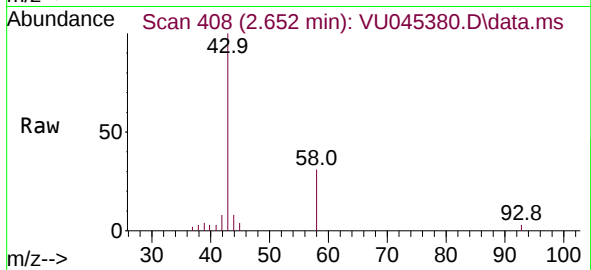




#16
Acetone
Concen: 9.048 ug/l
RT: 2.652 min Scan# 408
Delta R.T. 0.020 min
Lab File: VU045380.D
Acq: 25 Oct 2021 13:28

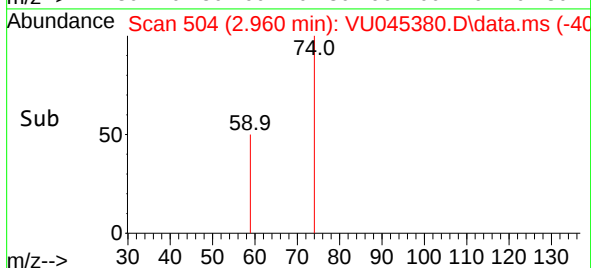
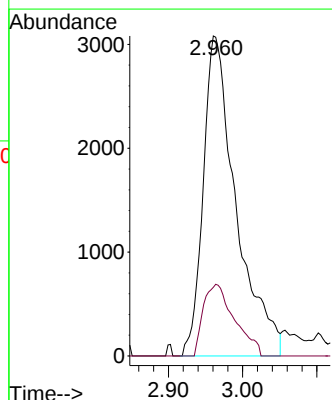
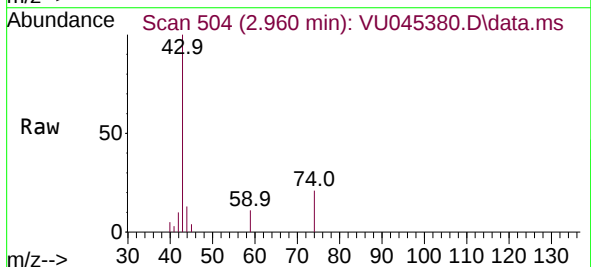
Instrument :
MSVOA_U
ClientSampled :

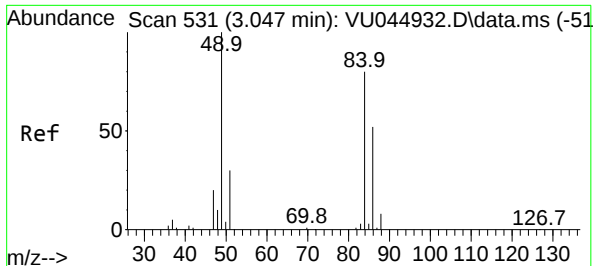
Tgt Ion: 43 Resp: 19746
Ion Ratio Lower Upper
43 100
58 31.2 25.2 37.8



#18
Methyl Acetate
Concen: 1.486 ug/l
RT: 2.960 min Scan# 504
Delta R.T. 0.012 min
Lab File: VU045380.D
Acq: 25 Oct 2021 13:28

Tgt Ion: 43 Resp: 9476
Ion Ratio Lower Upper
43 100
74 21.3 19.0 28.6





#20

Methylene Chloride

Concen: 3.671 ug/l

RT: 3.034 min Scan# 527

Delta R.T. -0.013 min

Lab File: VU045380.D

Acq: 25 Oct 2021 13:28

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 84 Resp: 12067

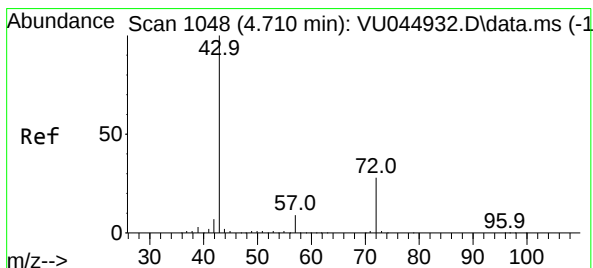
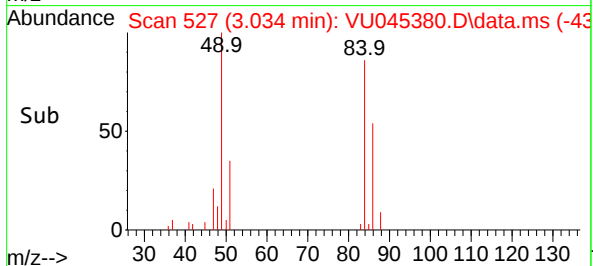
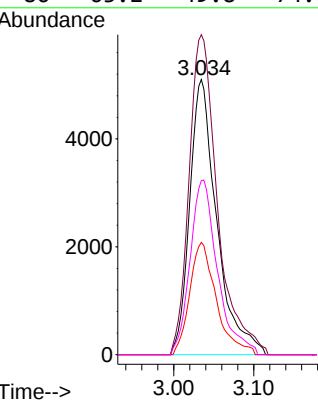
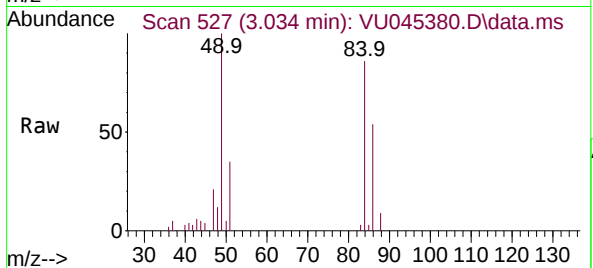
Ion Ratio Lower Upper

84 100

49 116.3 104.9 157.3

51 40.8 31.8 47.8

86 63.2 49.8 74.6



#25

2-Butanone

Concen: 0.451 ug/l

RT: 4.732 min Scan# 1055

Delta R.T. 0.022 min

Lab File: VU045380.D

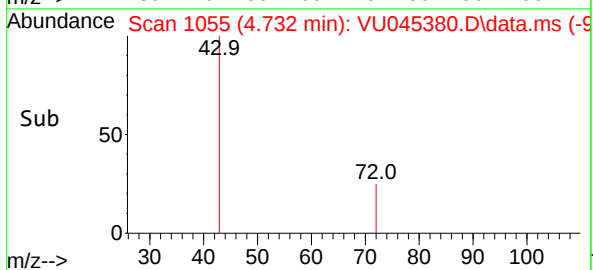
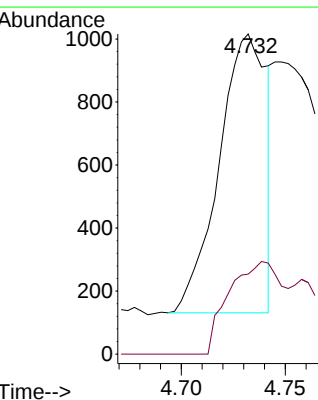
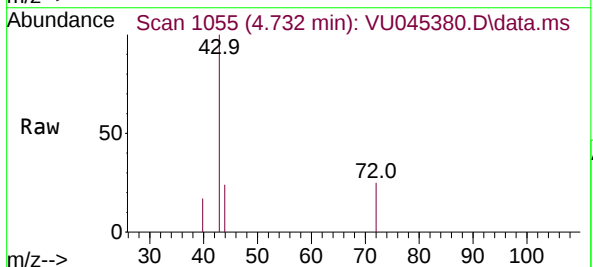
Acq: 25 Oct 2021 13:28

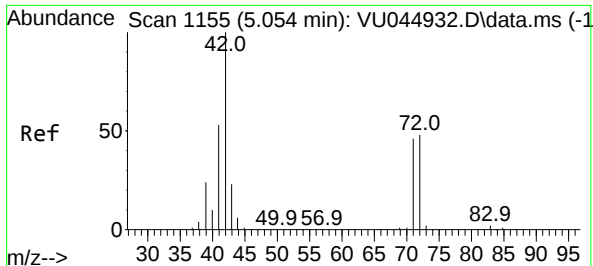
Tgt Ion: 43 Resp: 1398

Ion Ratio Lower Upper

43 100

72 28.7 21.3 31.9





#29

Tetrahydrofuran

Concen: 1.438 ug/l

RT: 5.079 min Scan# 1163

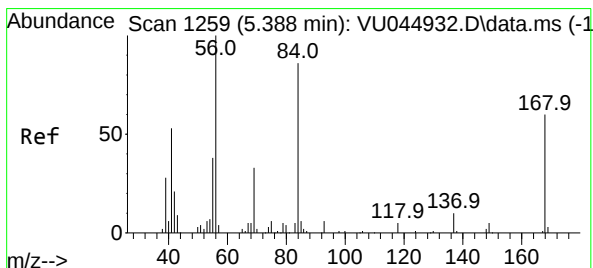
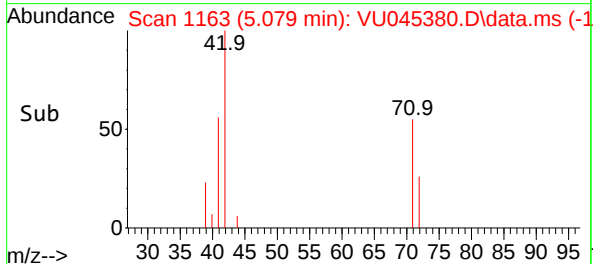
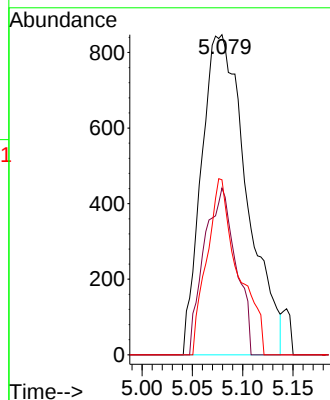
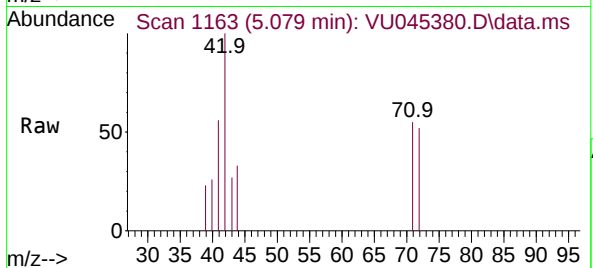
Delta R.T. 0.025 min

Lab File: VU045380.D

Acq: 25 Oct 2021 13:28

Tgt Ion:	42	Resp:	2654
Ion	Ratio	Lower	Upper
42	100		
72	36.4	36.2	54.4
71	37.8	34.1	51.1

Instrument :
MSVOA_U
ClientSampleId :



#31

Cyclohexane

Concen: 0.954 ug/l

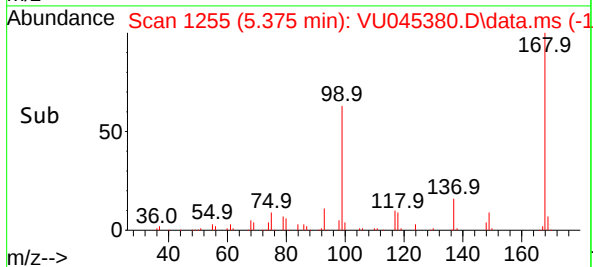
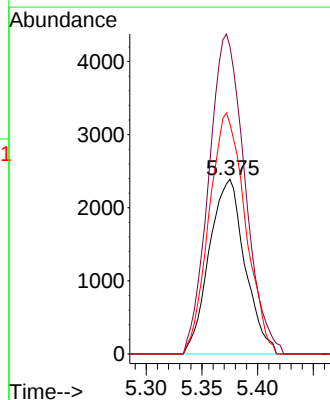
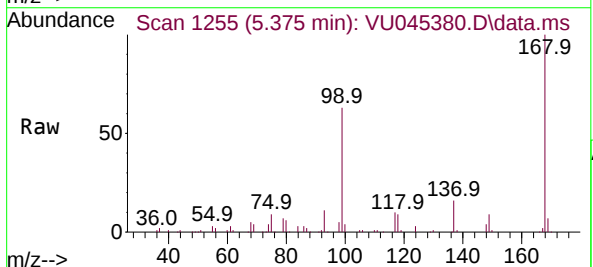
RT: 5.375 min Scan# 1255

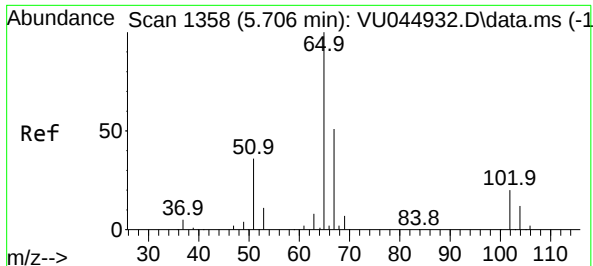
Delta R.T. -0.013 min

Lab File: VU045380.D

Acq: 25 Oct 2021 13:28

Tgt Ion:	56	Resp:	5326
Ion	Ratio	Lower	Upper
56	100		
69	176.2	25.2	37.8#
84	131.8	66.4	99.6#



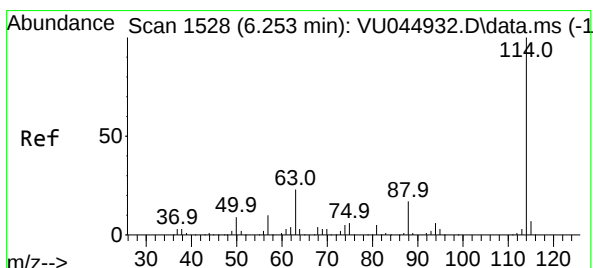
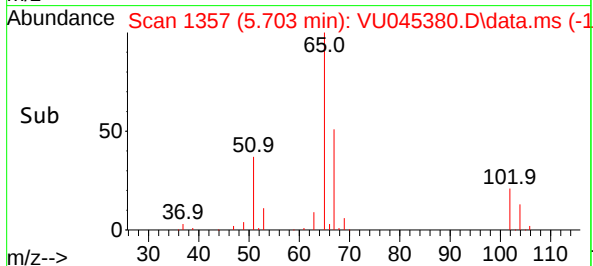
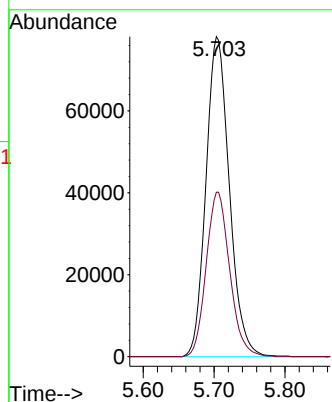
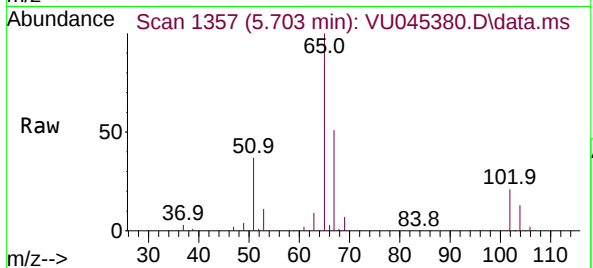


#33

1,2-Dichloroethane-d4
Concen: 48.696 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU045380.D
Acq: 25 Oct 2021 13:28

Instrument :
MSVOA_U
ClientSampled :

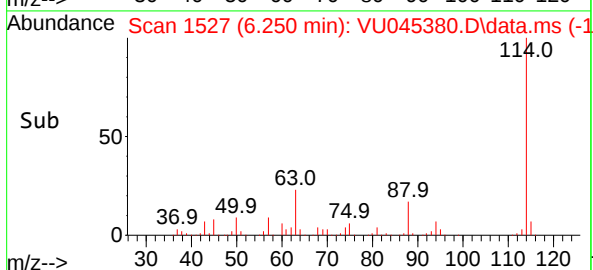
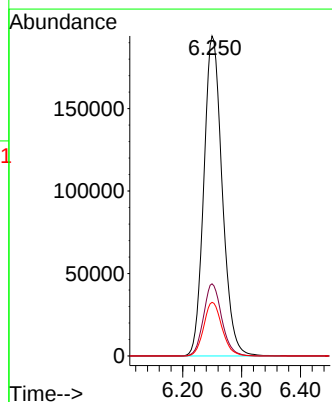
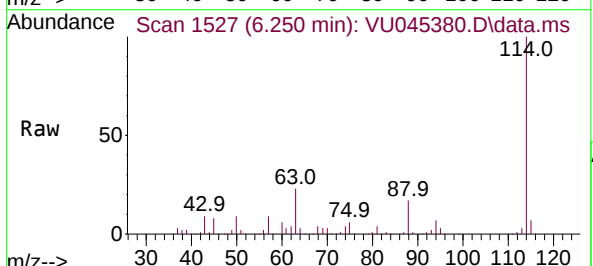
Tgt Ion: 65 Resp: 179031
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.8

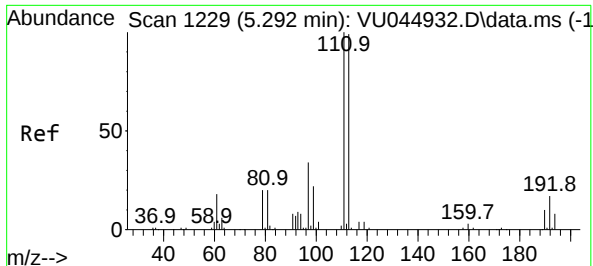


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.250 min Scan# 1527
Delta R.T. -0.003 min
Lab File: VU045380.D
Acq: 25 Oct 2021 13:28

Tgt Ion: 114 Resp: 420573
Ion Ratio Lower Upper
114 100
63 22.6 0.0 47.8
88 16.8 0.0 32.8

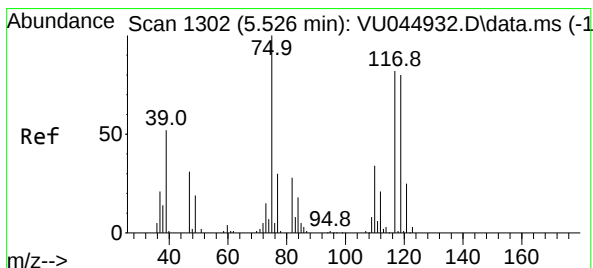
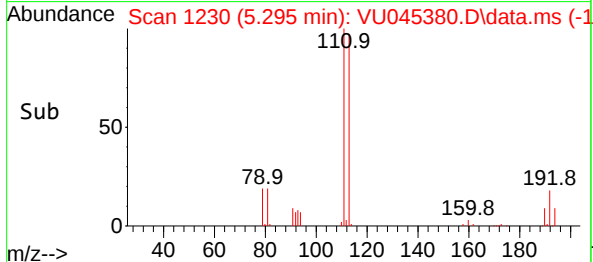
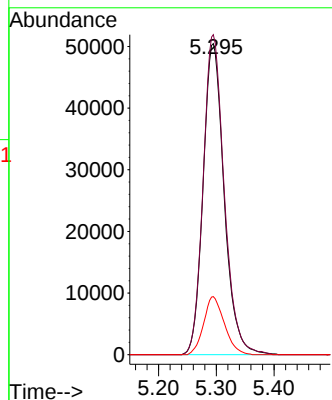
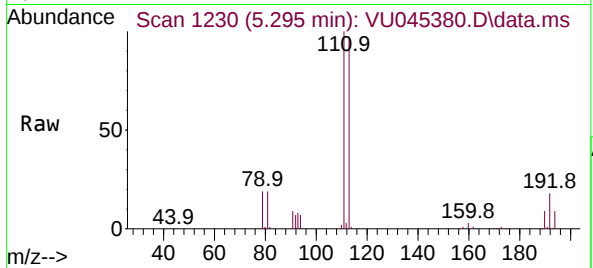




#35
Dibromofluoromethane
Concen: 48.071 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. 0.003 min
Lab File: VU045380.D
Acq: 25 Oct 2021 13:28

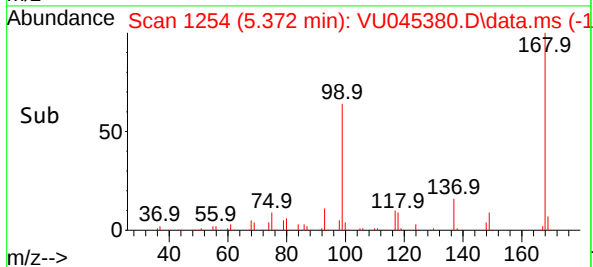
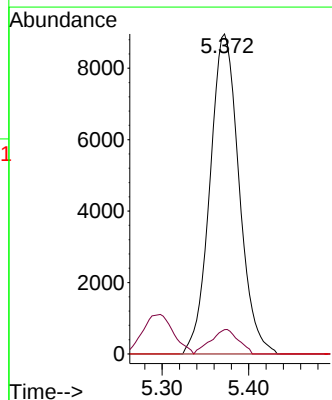
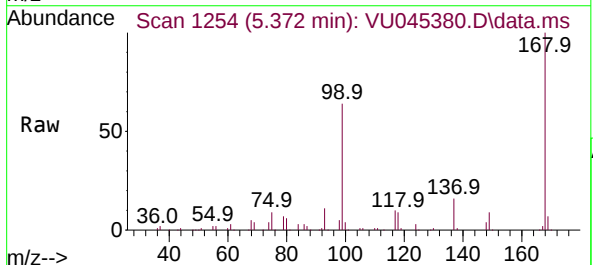
Instrument :
MSVOA_U
ClientSampleId :

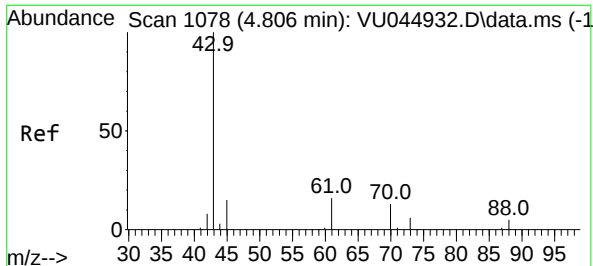
Tgt Ion:113 Resp: 127539
Ion Ratio Lower Upper
113 100
111 103.1 84.1 126.1
192 18.4 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.756 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU045380.D
Acq: 25 Oct 2021 13:28

Tgt Ion: 75 Resp: 20920
Ion Ratio Lower Upper
75 100
110 7.2 16.3 48.9#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.240 ug/l

RT: 4.732 min Scan# 1055

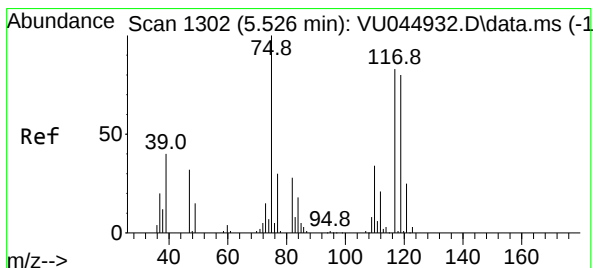
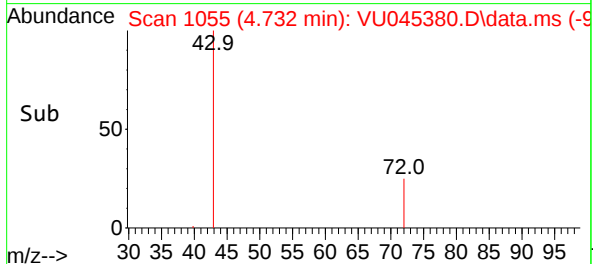
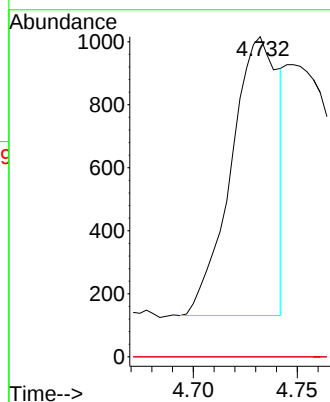
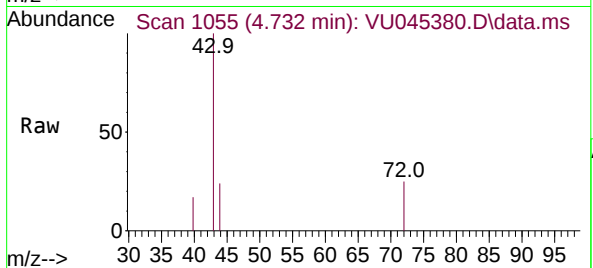
Delta R.T. -0.074 min

Lab File: VU045380.D

Acq: 25 Oct 2021 13:28

Tgt Ion:	43	Resp:	1398
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#

Instrument :
MSVOA_U
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.068 ug/l

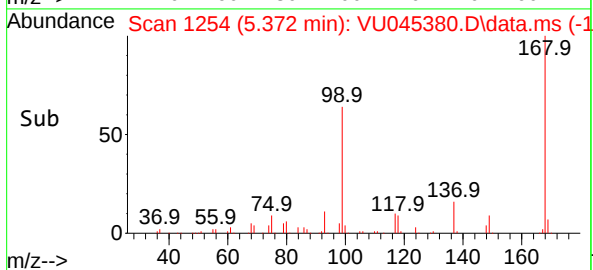
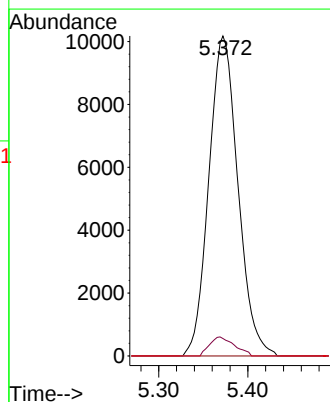
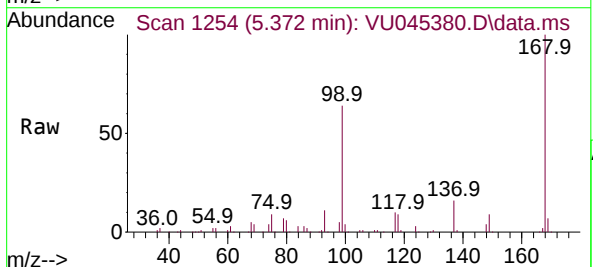
RT: 5.372 min Scan# 1254

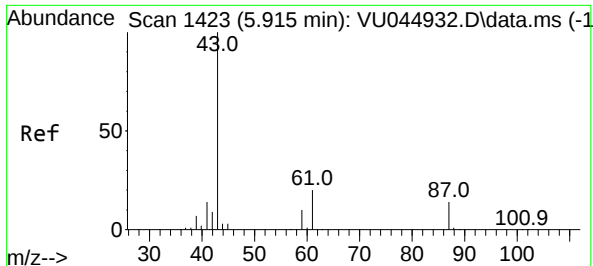
Delta R.T. -0.154 min

Lab File: VU045380.D

Acq: 25 Oct 2021 13:28

Tgt Ion:	117	Resp:	23092
Ion	Ratio	Lower	Upper
117	100		
119	5.4	77.4	116.2#
121	0.0	24.5	36.7#

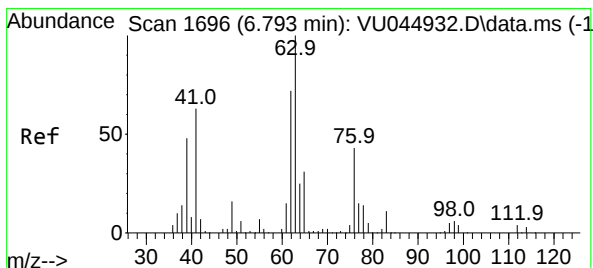
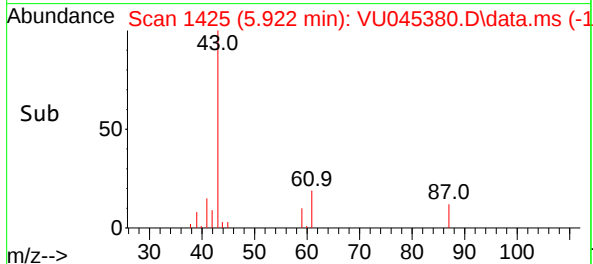
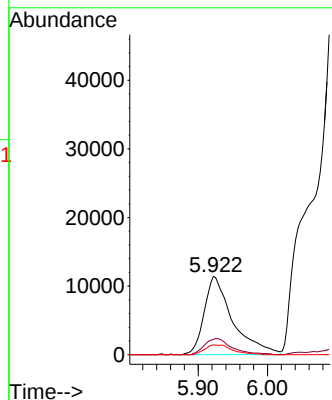
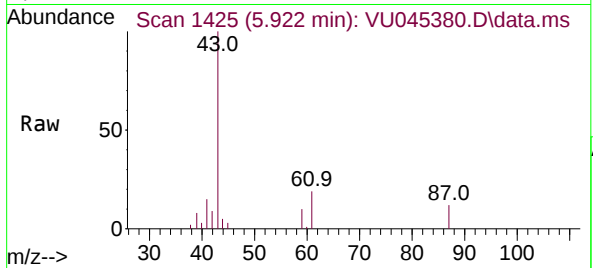




#43
Isopropyl Acetate
Concen: 3.735 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.007 min
Lab File: VU045380.D
Acq: 25 Oct 2021 13:28

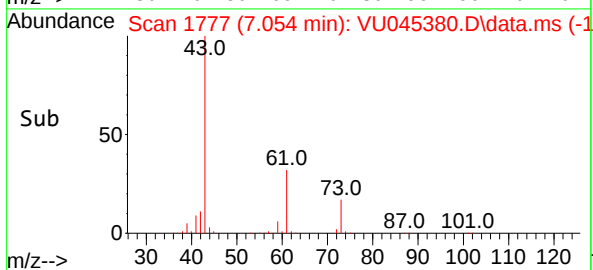
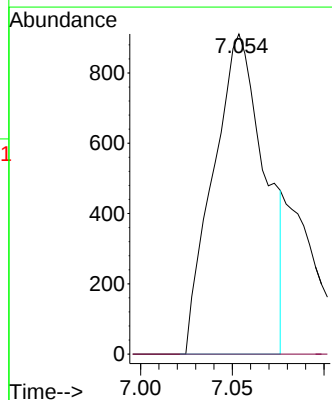
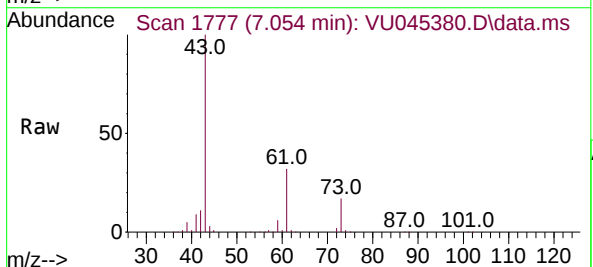
Instrument :
MSVOA_U
ClientSampleId :

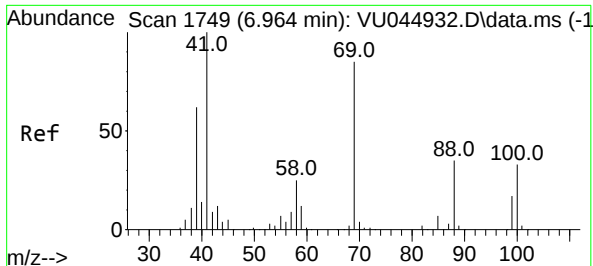
Tgt Ion:	43	Resp:	32697
Ion	Ratio	Lower	Upper
43	100		
61	19.8	16.1	24.1
87	12.1	10.3	15.5



#45
1,2-Dichloropropane
Concen: 0.511 ug/l
RT: 7.054 min Scan# 1777
Delta R.T. 0.261 min
Lab File: VU045380.D
Acq: 25 Oct 2021 13:28

Tgt Ion:	63	Resp:	1774
Ion	Ratio	Lower	Upper
63	100		
65	0.0	23.9	35.9#



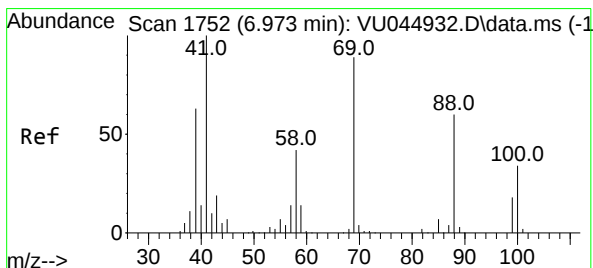
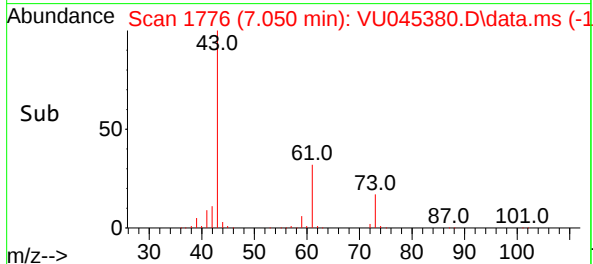
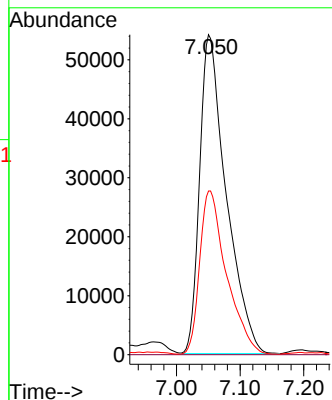
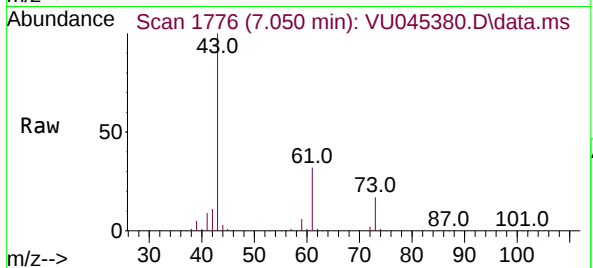


#48

Methyl methacrylate
Concen: 36.766 ug/l
RT: 7.050 min Scan# 1776
Delta R.T. 0.086 min
Lab File: VU045380.D
Acq: 25 Oct 2021 13:28

Instrument :
MSVOA_U
ClientSampled :

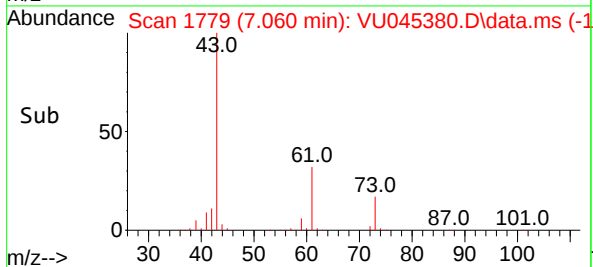
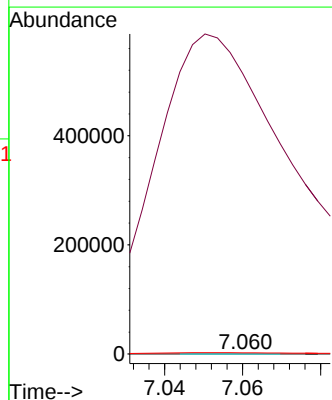
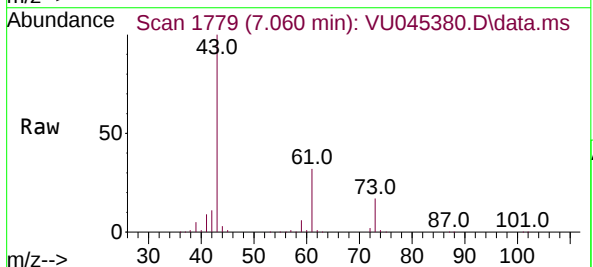
Tgt Ion: 41 Resp: 156675
Ion Ratio Lower Upper
41 100
69 0.0 65.6 98.4#
39 51.5 46.2 69.4

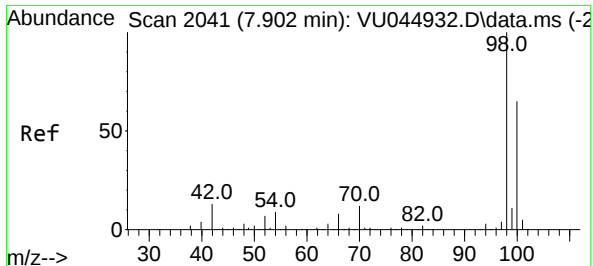


#49

1,4-Dioxane
Concen: Below Cal
RT: 7.060 min Scan# 1779
Delta R.T. 0.087 min
Lab File: VU045380.D
Acq: 25 Oct 2021 13:28

Tgt Ion: 88 Resp: 108
Ion Ratio Lower Upper
88 100
43 1566467.6 25.8 38.6#
58 6766.7 61.3 91.9#

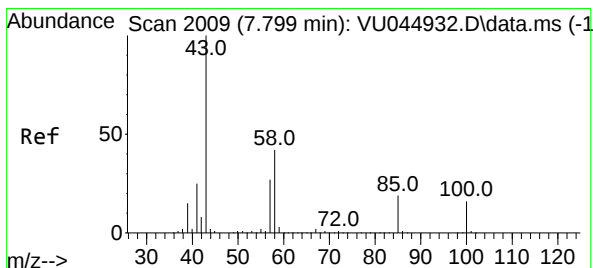
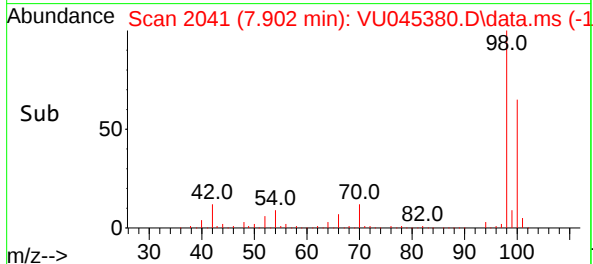
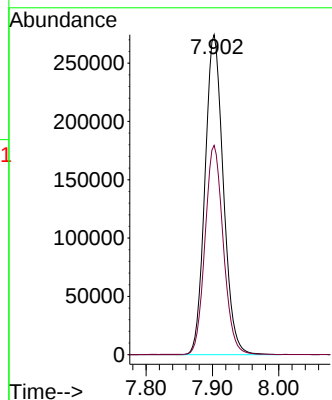
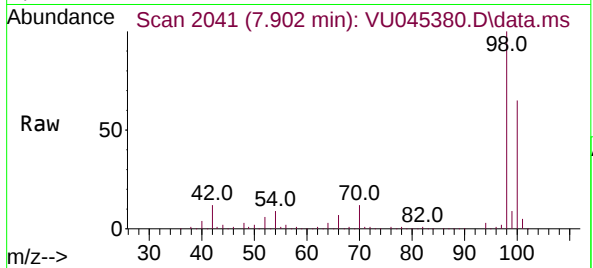




#50
Toluene-d8
Concen: 50.239 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU045380.D
Acq: 25 Oct 2021 13:28

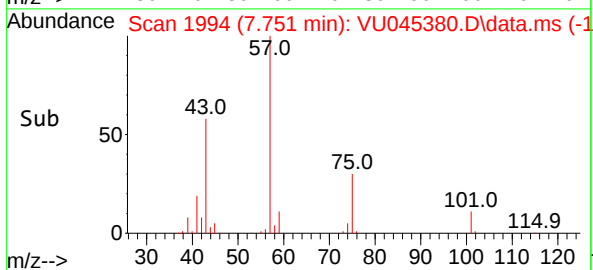
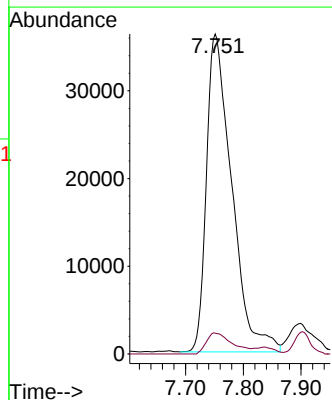
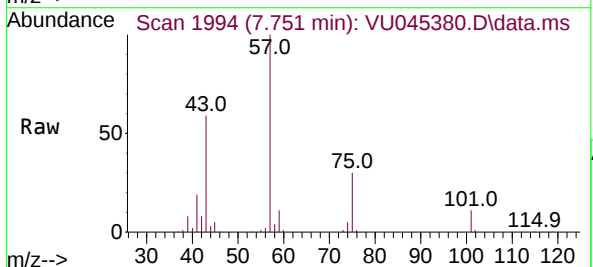
Instrument :
MSVOA_U
ClientSampled :

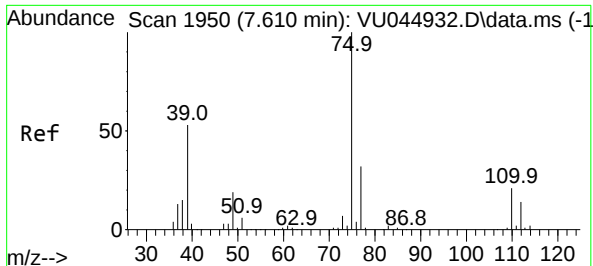
Tgt Ion: 98 Resp: 526654
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 17.274 ug/l
RT: 7.751 min Scan# 1994
Delta R.T. -0.048 min
Lab File: VU045380.D
Acq: 25 Oct 2021 13:28

Tgt Ion: 43 Resp: 110098
Ion Ratio Lower Upper
43 100
58 6.8 32.4 48.6#

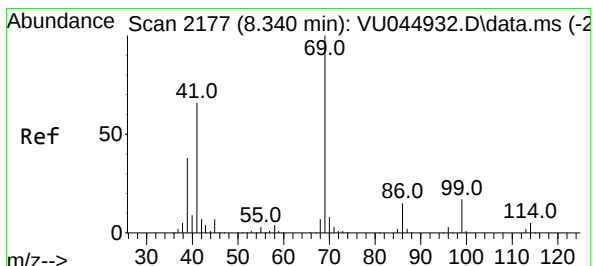
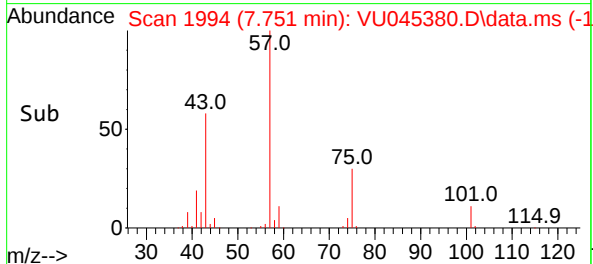
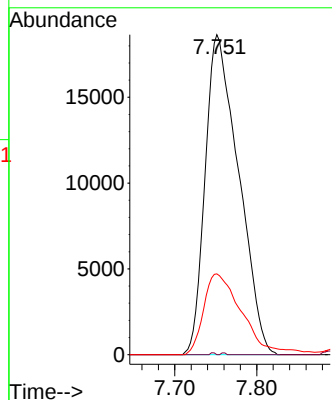
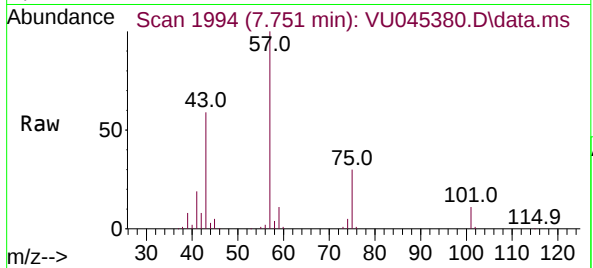




#54
 cis-1,3-Dichloropropene
 Concen: 9.748 ug/l
 RT: 7.751 min Scan# 1994
 Delta R.T. 0.141 min
 Lab File: VU045380.D
 Acq: 25 Oct 2021 13:28

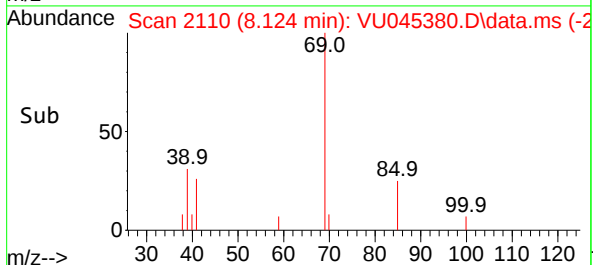
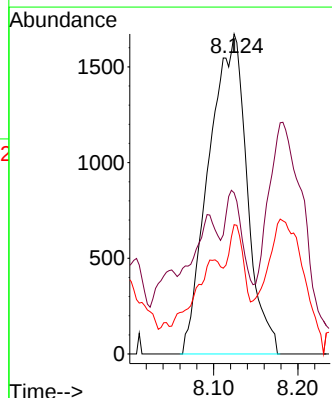
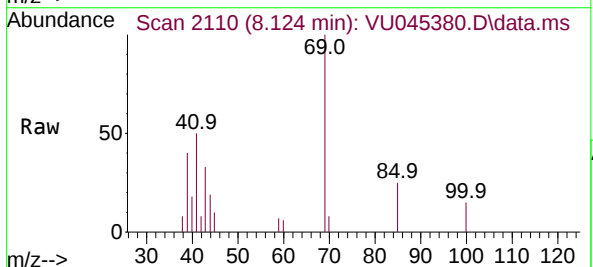
Instrument :
 MSVOA_U
 ClientSampleId :

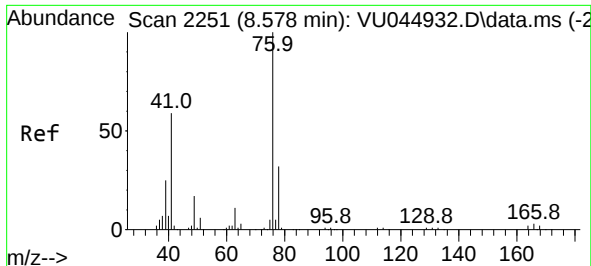
Tgt Ion: 75 Resp: 52748
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 25.2 41.4 62.2#



#56
 Ethyl methacrylate
 Concen: 2.586 ug/l
 RT: 8.124 min Scan# 2110
 Delta R.T. -0.216 min
 Lab File: VU045380.D
 Acq: 25 Oct 2021 13:28

Tgt Ion: 69 Resp: 5270
 Ion Ratio Lower Upper
 69 100
 41 0.0 53.5 80.3#
 39 15.1 31.1 46.7#



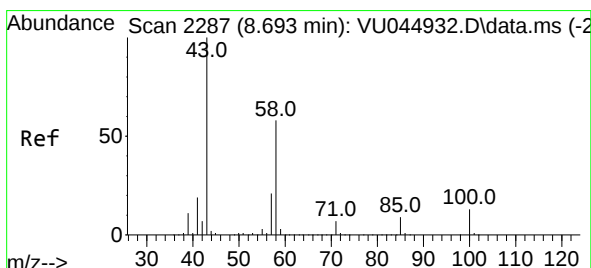
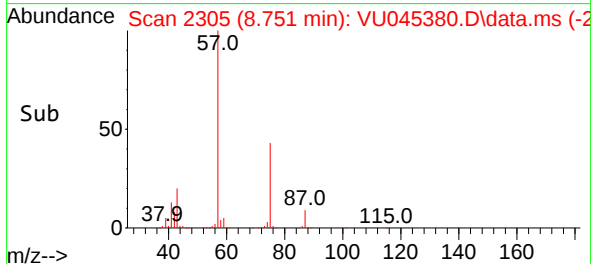
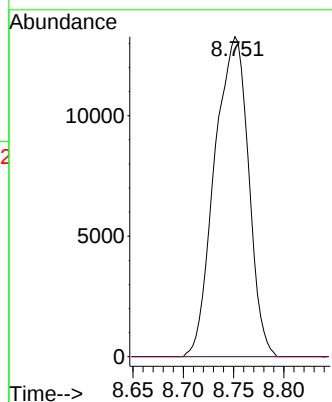
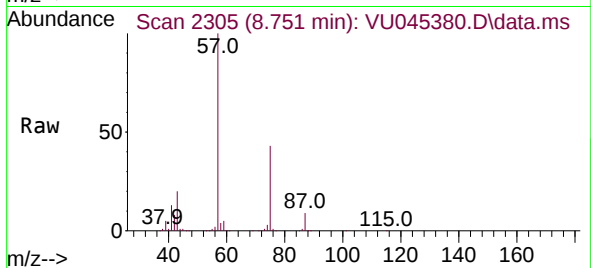


#57

1,3-Dichloropropane
Concen: 5.107 ug/l
RT: 8.751 min Scan# 2305
Delta R.T. 0.173 min
Lab File: VU045380.D
Acq: 25 Oct 2021 13:28

Instrument :
MSVOA_U
ClientSampled :

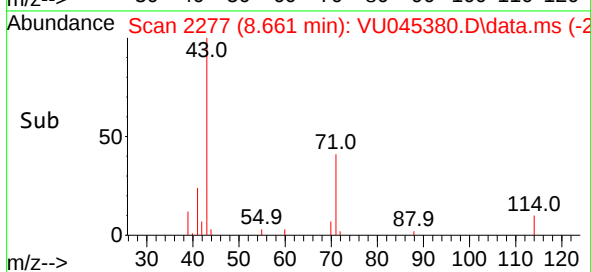
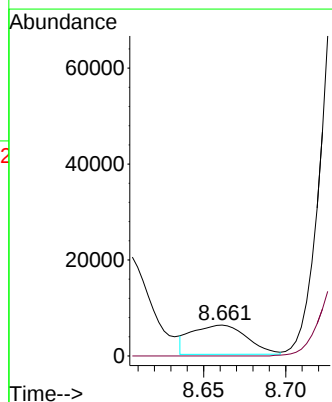
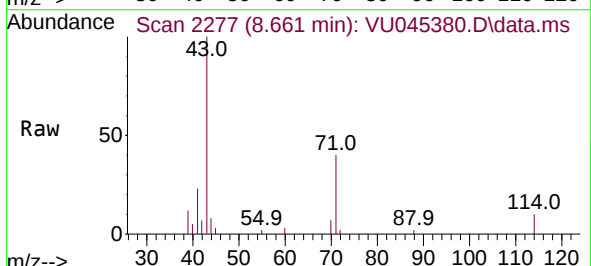
Tgt Ion: 76 Resp: 31132
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

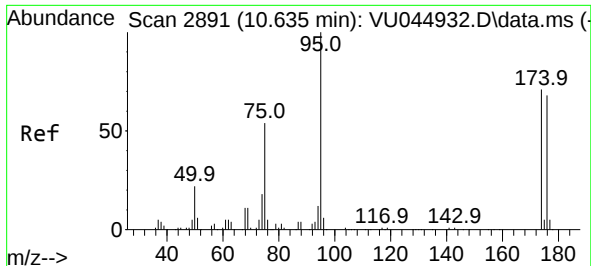


#59

2-Hexanone
Concen: 2.733 ug/l
RT: 8.661 min Scan# 2277
Delta R.T. -0.032 min
Lab File: VU045380.D
Acq: 25 Oct 2021 13:28

Tgt Ion: 43 Resp: 14185
Ion Ratio Lower Upper
43 100
58 0.0 28.0 84.0#

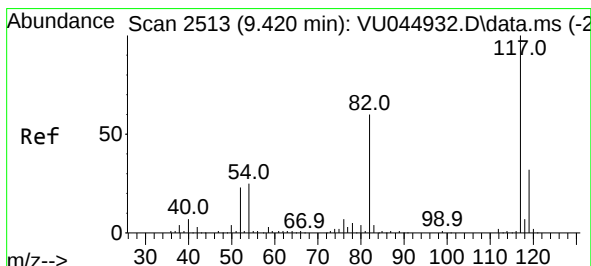
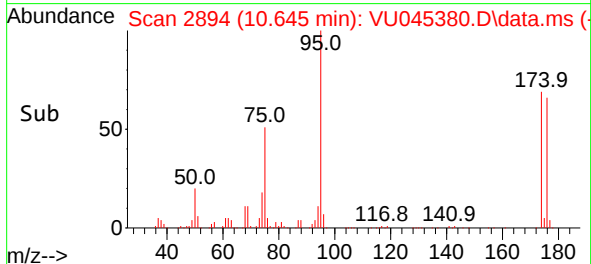
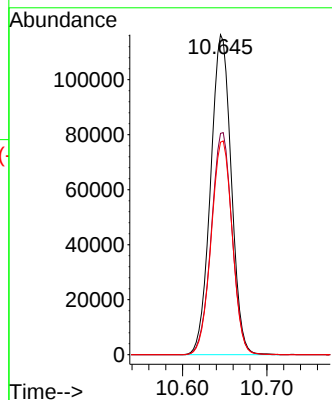
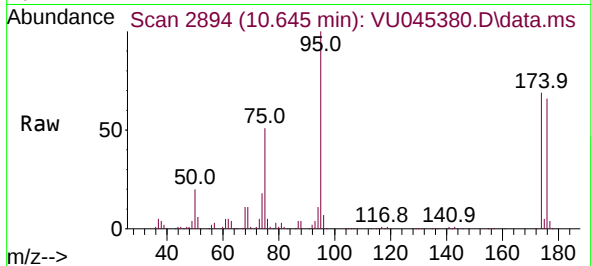




#62
4-Bromofluorobenzene
Concen: 45.810 ug/l
RT: 10.645 min Scan# 2894
Delta R.T. 0.010 min
Lab File: VU045380.D
Acq: 25 Oct 2021 13:28

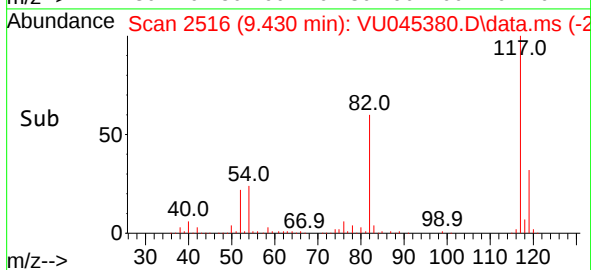
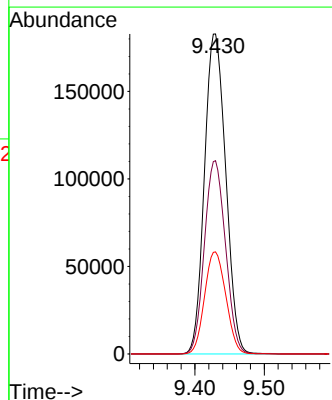
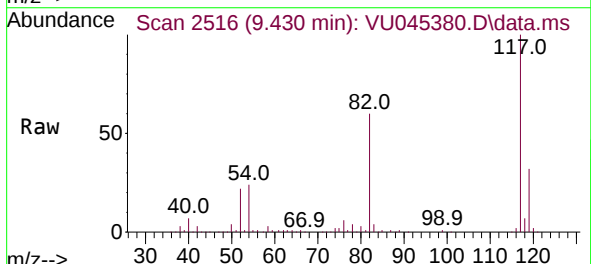
Instrument :
MSVOA_U
ClientSampleId :

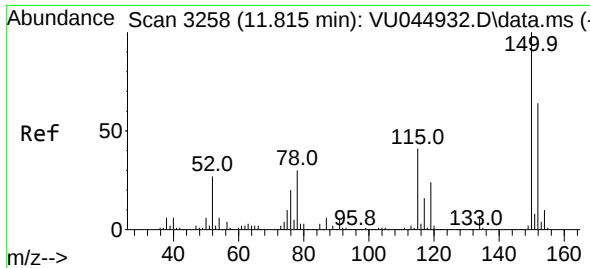
Tgt Ion: 95 Resp: 198260
Ion Ratio Lower Upper
95 100
174 70.2 0.0 146.6
176 68.1 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.430 min Scan# 2516
Delta R.T. 0.010 min
Lab File: VU045380.D
Acq: 25 Oct 2021 13:28

Tgt Ion: 117 Resp: 390276
Ion Ratio Lower Upper
117 100
82 60.4 47.8 71.8
119 31.9 25.8 38.6

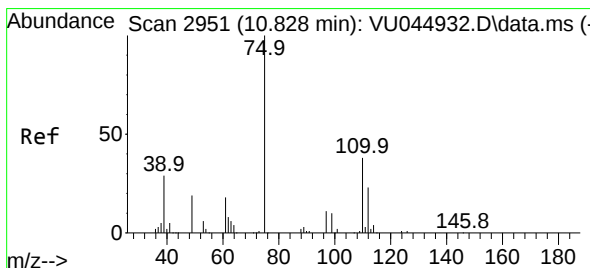
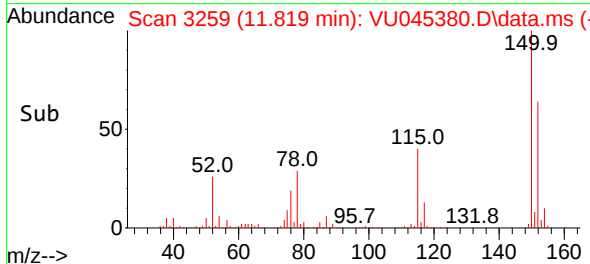
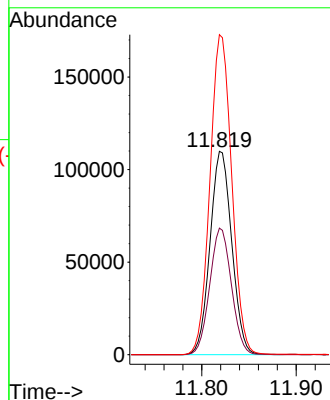
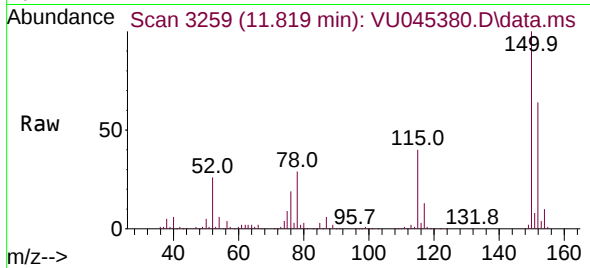




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. 0.004 min
 Lab File: VU045380.D
 Acq: 25 Oct 2021 13:28

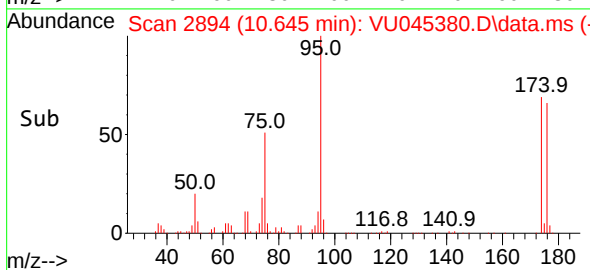
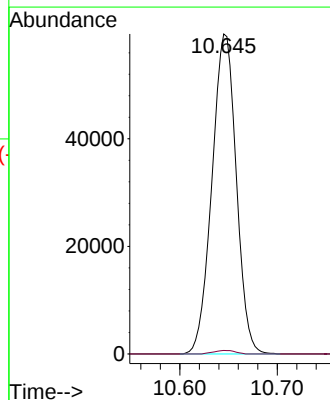
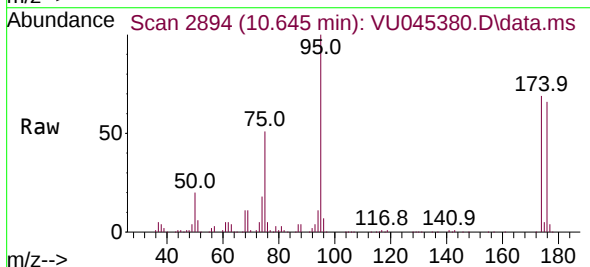
Instrument :
 MSVOA_U
 ClientSampled :

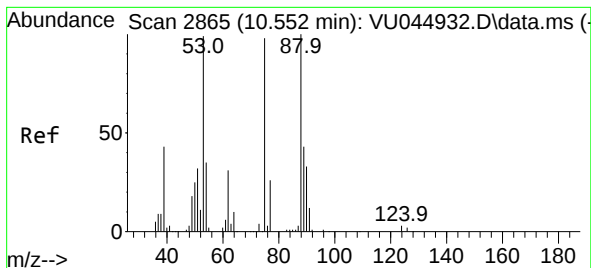
Tgt Ion:152 Resp: 175538
 Ion Ratio Lower Upper
 152 100
 115 61.9 43.5 130.7
 150 157.6 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 20.145 ug/l
 RT: 10.645 min Scan# 2894
 Delta R.T. -0.183 min
 Lab File: VU045380.D
 Acq: 25 Oct 2021 13:28

Tgt Ion: 75 Resp: 103147
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.9 53.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 55.907 ug/l

RT: 10.645 min Scan# 2894

Delta R.T. 0.093 min

Lab File: VU045380.D

Acq: 25 Oct 2021 13:28

Tgt Ion: 75 Resp: 103147

Ion Ratio Lower Upper

75 100

53 0.0 82.0 123.0#

89 0.0 34.2 51.4#

Instrument :
MSVOA_U
ClientSampleId :

