

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060821\
 Data File : VX022560.D
 Acq On : 08 Jun 2021 13:49
 Operator : JC/MD
 Sample : PB136878TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 09 03:59:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 07 14:27:50 2021
 Response via : Initial Calibration

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

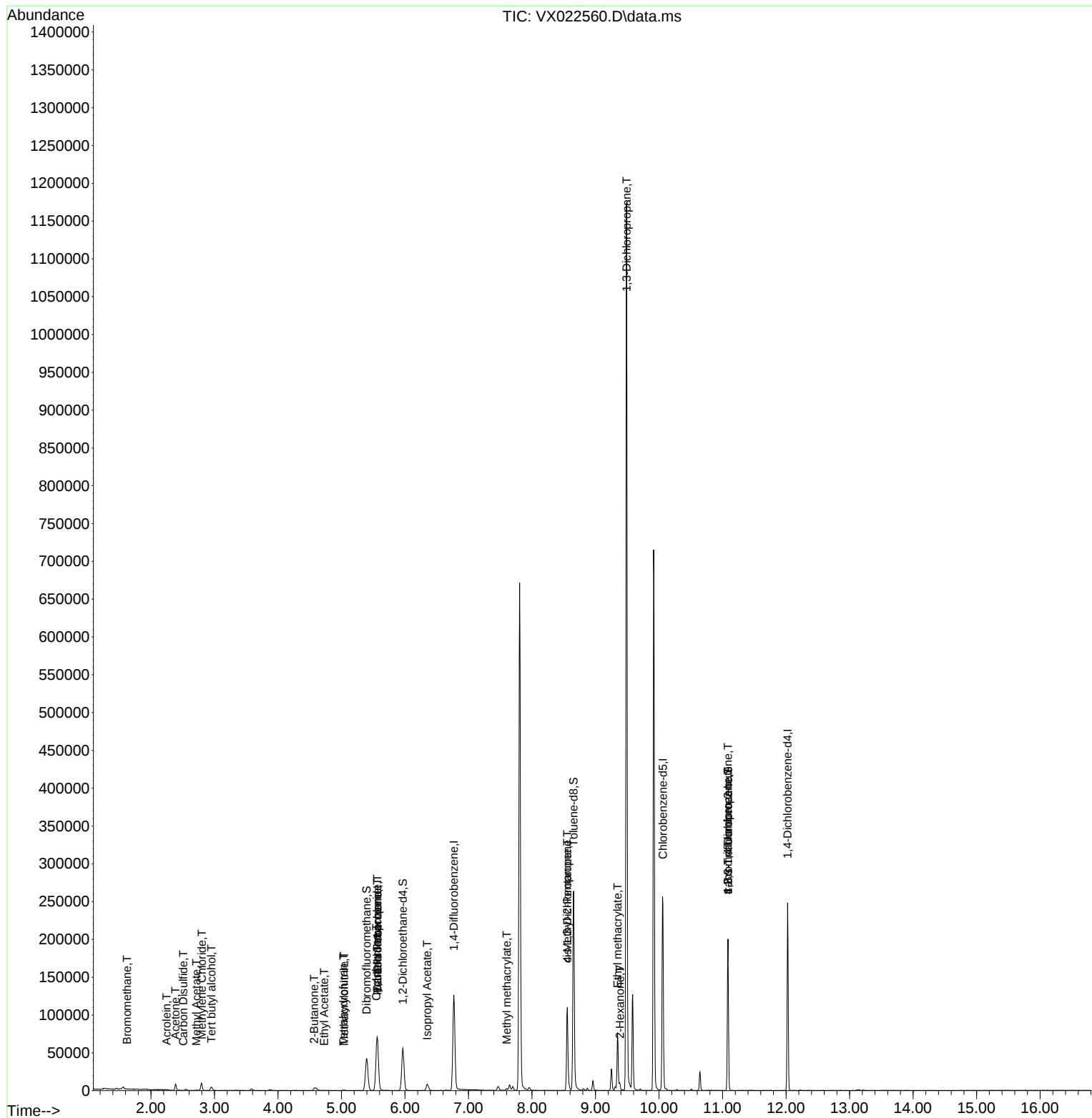
Internal Standards						
1) Pentafluorobenzene	5.568	168	59794	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	123062	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	110671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	42669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	50751	47.744	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	95.480%	
35) Dibromofluoromethane	5.397	113	36280	47.120	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	94.240%	
50) Toluene-d8	8.653	98	151895	49.442	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	98.880%	
62) 4-Bromofluorobenzene	11.085	95	52346	45.841	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	91.680%	
Target Compounds						
						Qvalue
5) Bromomethane	1.623	94	91	0.211	ug/l	# 2
11) Tert butyl alcohol	2.952	59	2962	12.423	ug/l	# 75
13) Acrolein	2.245	56	24	3.328	ug/l	# 1
16) Acetone	2.386	43	8408	17.603	ug/l	90
17) Carbon Disulfide	2.507	76	42	3.405	ug/l	# 75
18) Methyl Acetate	2.715	43	620	0.471	ug/l	# 67
20) Methylene Chloride	2.800	84	3713	3.723	ug/l	# 98
25) 2-Butanone	4.568	43	1776	2.250	ug/l	# 69
29) Tetrahydrofuran	5.031	42	556	1.200	ug/l	# 30
31) Cyclohexane	5.550	56	991	0.788	ug/l	# 43
36) 1,1-Dichloropropene	5.562	75	6328	5.315	ug/l	# 46
37) Ethyl Acetate	4.727	43	336	0.220	ug/l	# 64
38) Carbon Tetrachloride	5.562	117	7049	8.191	ug/l	# 16
41) Methacrylonitrile	5.044	41	271	0.323	ug/l	# 21
43) Isopropyl Acetate	6.348	43	11270	4.550	ug/l	93
48) Methyl methacrylate	7.604	41	3753	3.256	ug/l	# 10
51) 4-Methyl-2-Pentanone	8.555	43	39389	25.525	ug/l	# 46
54) cis-1,3-Dichloropropene	8.555	75	16905	12.459	ug/l	# 63
56) Ethyl methacrylate	9.348	69	377	2.914	ug/l	# 1
57) 1,3-Dichloropropane	9.488	76	9996	6.150	ug/l	# 42
59) 2-Hexanone	9.384	43	4608	3.909	ug/l	# 19
76) 1,2,3-Trichloropropane	11.085	75	28463	25.749	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	28463	63.546	ug/l	# 12

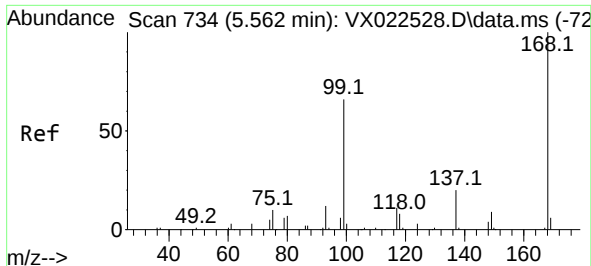
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

Quant Time: Jun 09 03:59:42 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060721W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 07 14:27:50 2021
Response via : Initial Calibration

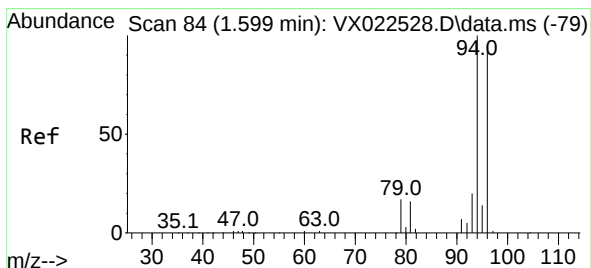
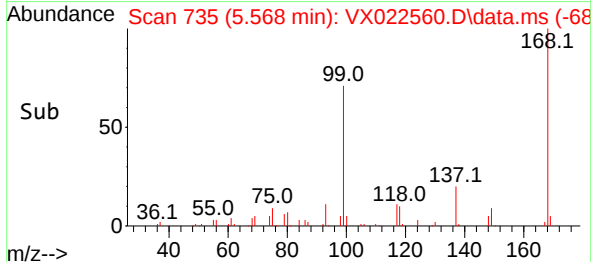
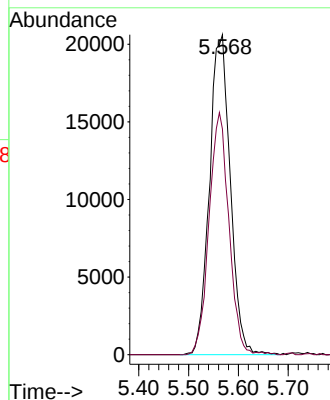
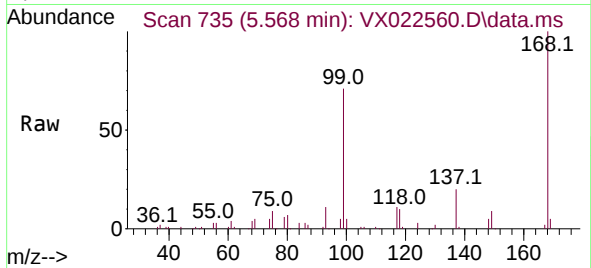




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

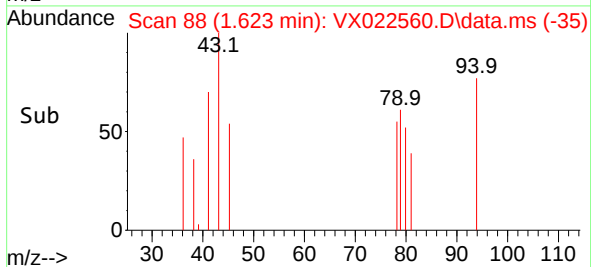
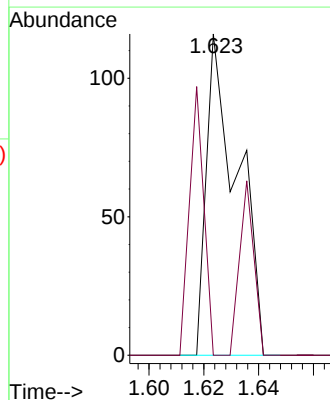
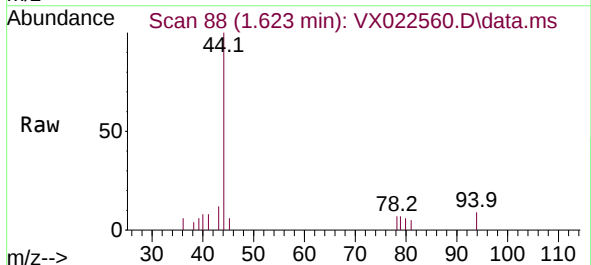
Instrument :
MSVOA_X
ClientSampleId :

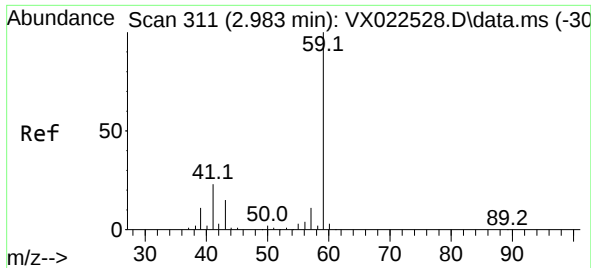
Tgt Ion:168 Resp: 59794
Ion Ratio Lower Upper
168 100
99 70.5 45.8 68.6#



#5
Bromomethane
Concen: 0.211 ug/l
RT: 1.623 min Scan# 88
Delta R.T. 0.024 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

Tgt Ion: 94 Resp: 91
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



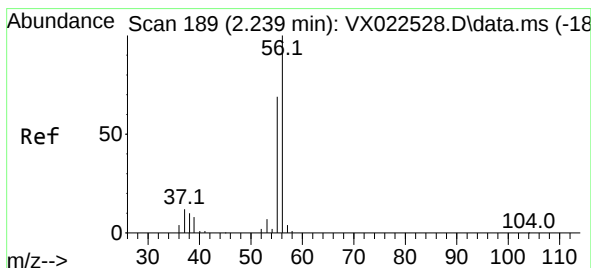
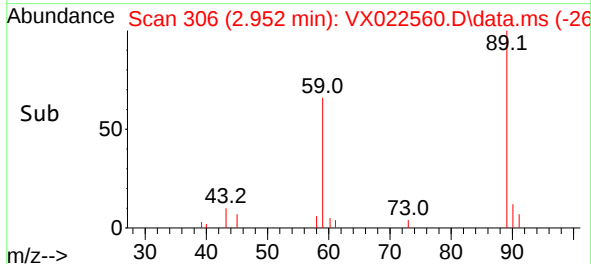
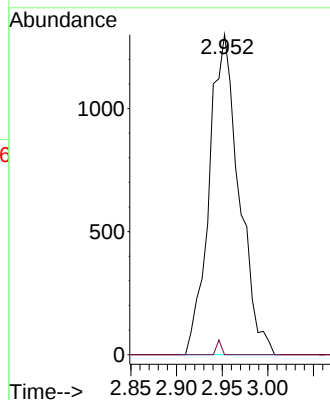
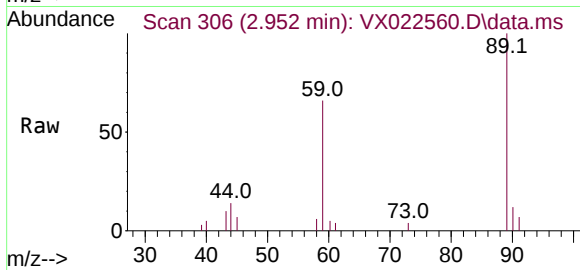


#11

Tert butyl alcohol
Concen: 12.423 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.031 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

Instrument :
MSVOA_X
ClientSampled :

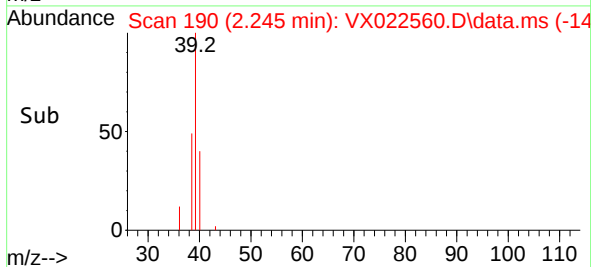
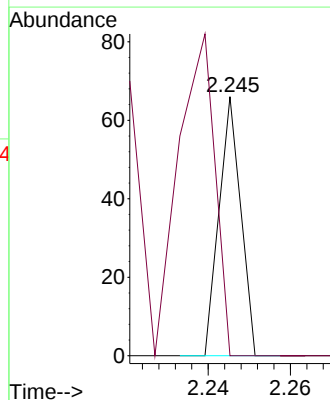
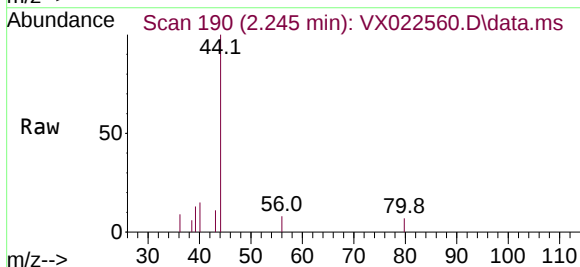
Tgt Ion: 59 Resp: 2962
Ion Ratio Lower Upper
59 100
57 0.7 7.8 11.8#

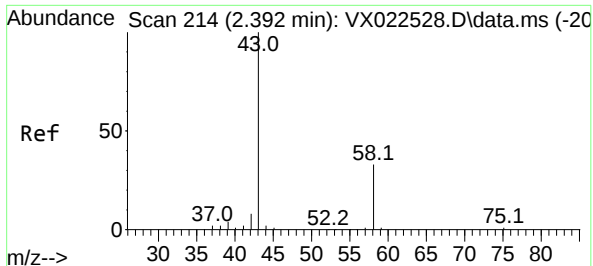


#13

Acrolein
Concen: 3.328 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 208.3 56.4 84.6#

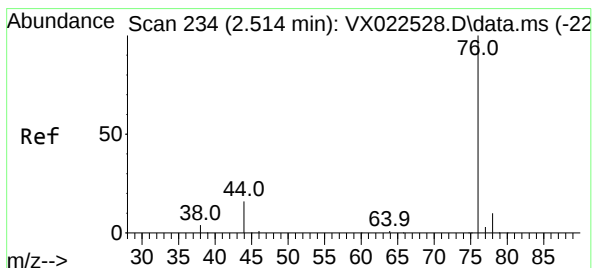
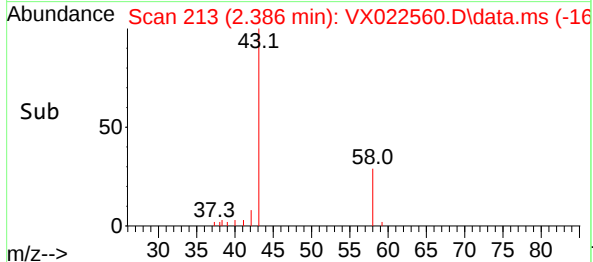
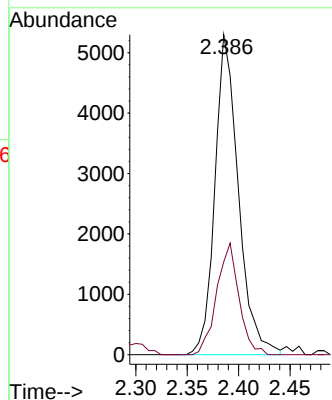
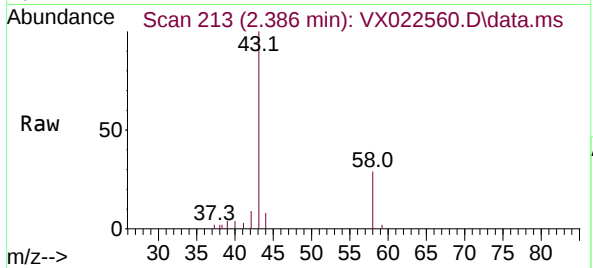




#16
Acetone
Concen: 17.603 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

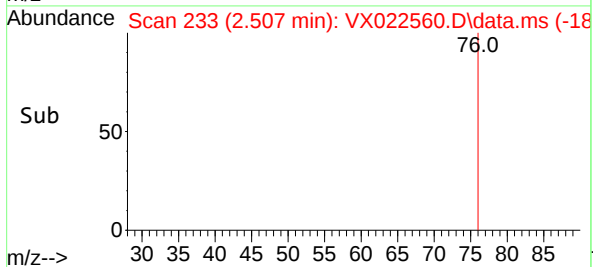
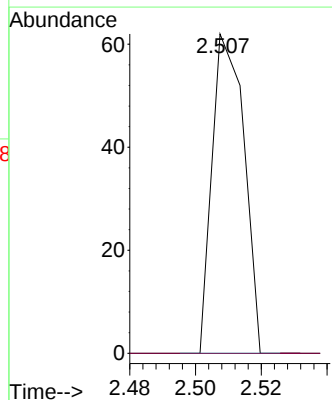
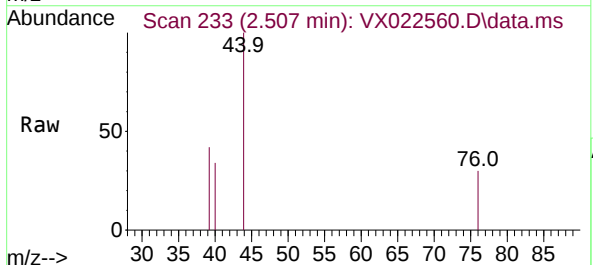
Instrument :
MSVOA_X
ClientSampled :

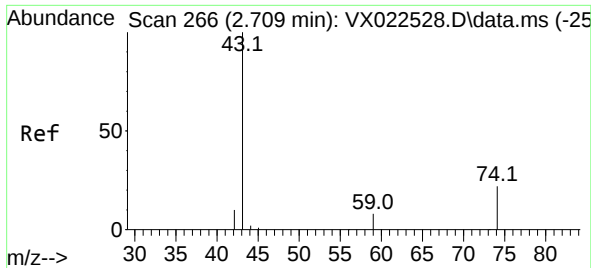
Tgt Ion: 43 Resp: 8408
Ion Ratio Lower Upper
43 100
58 29.0 27.8 41.8



#17
Carbon Disulfide
Concen: 3.405 ug/l
RT: 2.507 min Scan# 233
Delta R.T. -0.007 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

Tgt Ion: 76 Resp: 42
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

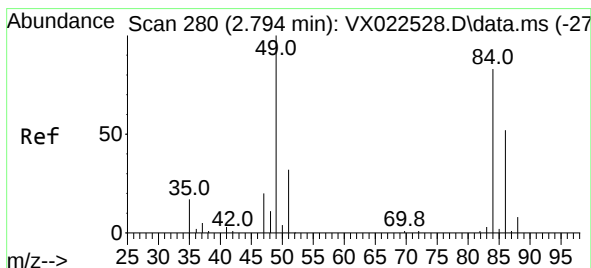
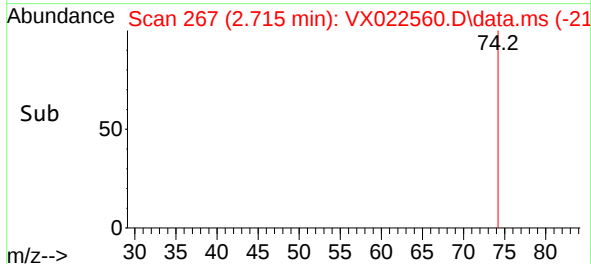
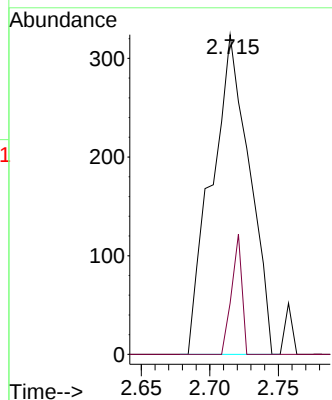
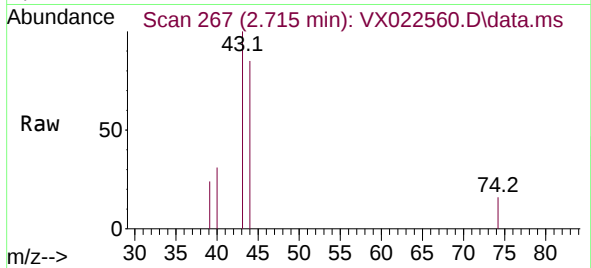




#18
Methyl Acetate
Concen: 0.471 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

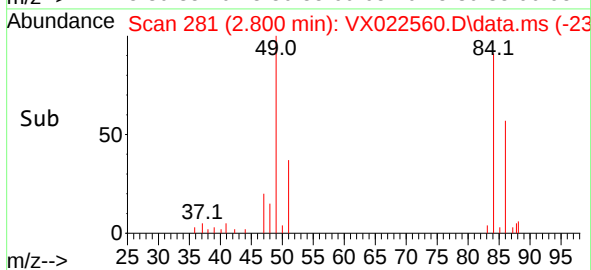
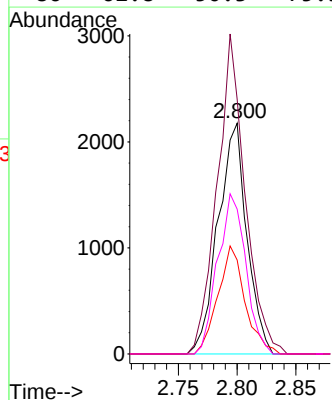
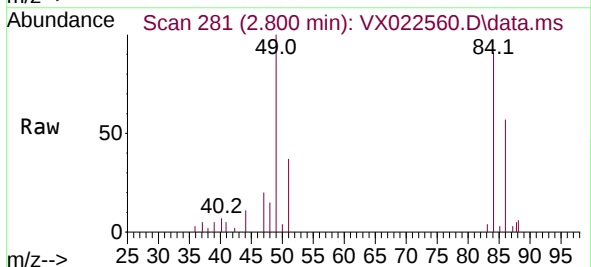
Instrument :
MSVOA_X
ClientSampled :

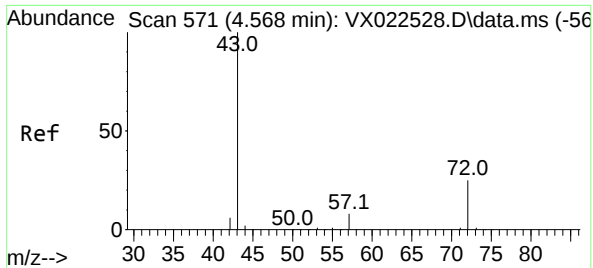
Tgt Ion: 43 Resp: 620
Ion Ratio Lower Upper
43 100
74 10.3 21.9 32.9#



#20
Methylene Chloride
Concen: 3.723 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

Tgt Ion: 84 Resp: 3713
Ion Ratio Lower Upper
84 100
49 110.4 88.6 132.8
51 40.7 27.0 40.6#
86 62.8 50.3 75.5

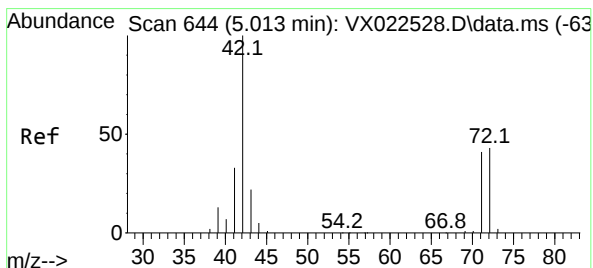
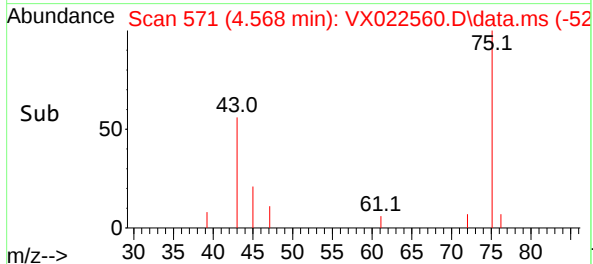
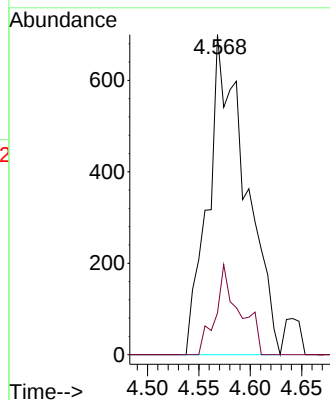
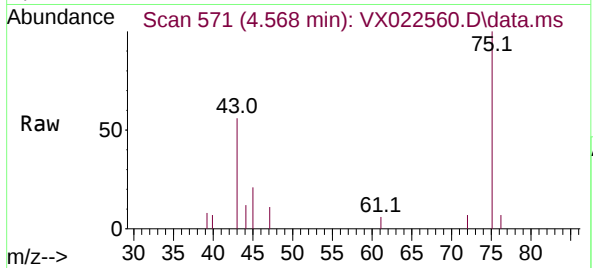




#25
2-Butanone
Concen: 2.250 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

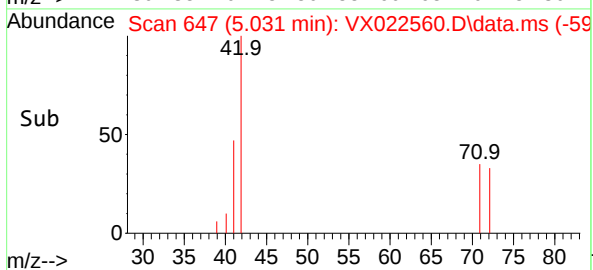
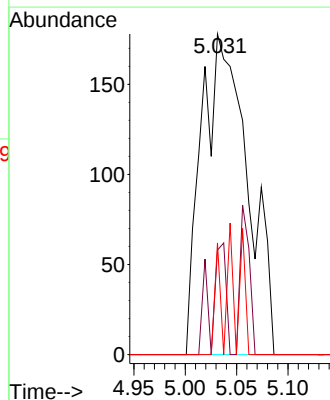
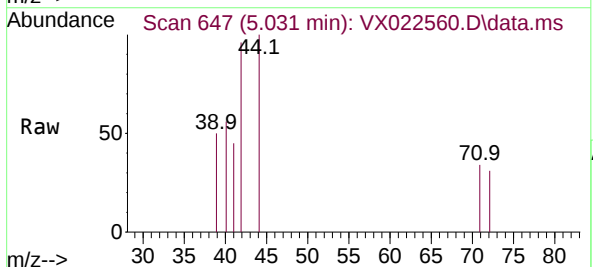
Instrument :
MSVOA_X
ClientSampled :

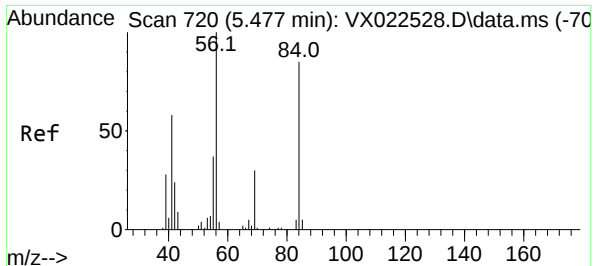
Tgt Ion: 43 Resp: 1776
Ion Ratio Lower Upper
43 100
72 13.0 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.200 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.018 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

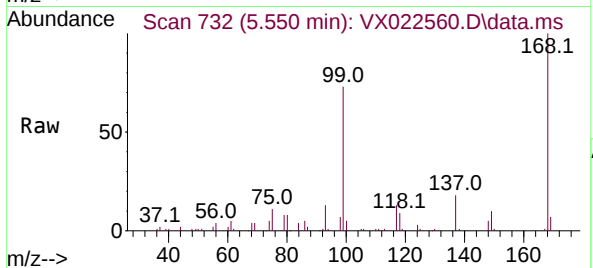
Tgt Ion: 42 Resp: 556
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 4.1 38.4 57.6#



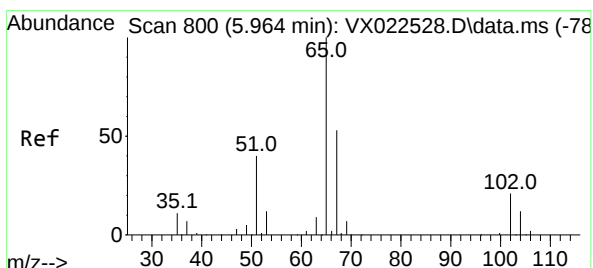
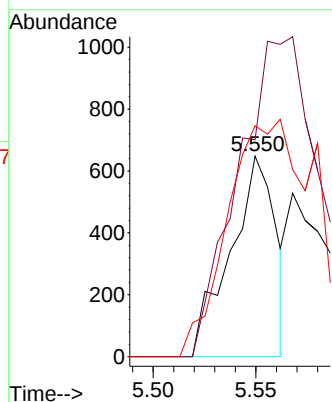
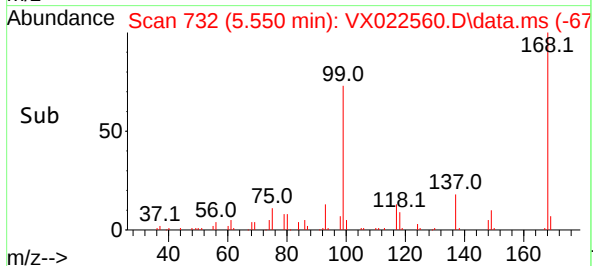


#31
Cyclohexane
Concen: 0.788 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

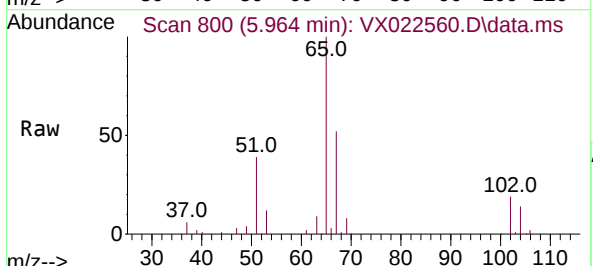
Instrument :
MSVOA_X
ClientSampled :



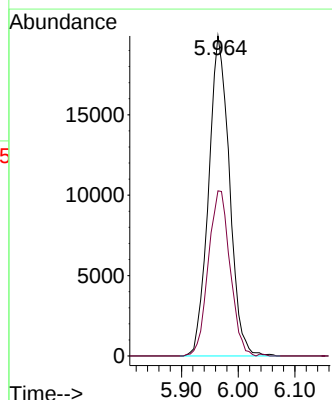
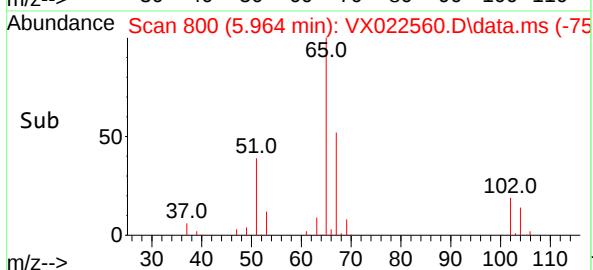
Tgt Ion: 56 Resp: 991
Ion Ratio Lower Upper
56 100
69 108.2 25.3 37.9#
84 115.1 71.4 107.0#

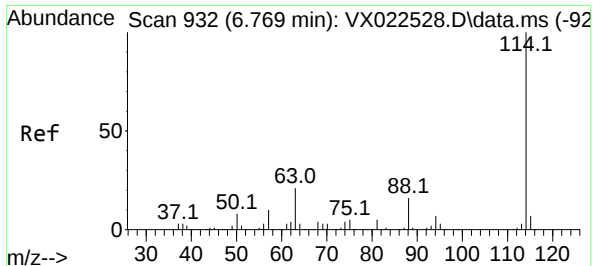


#33
1,2-Dichloroethane-d4
Concen: 47.744 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49



Tgt Ion: 65 Resp: 50751
Ion Ratio Lower Upper
65 100
67 53.9 0.0 105.4

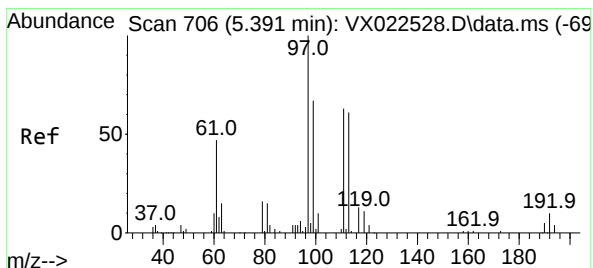
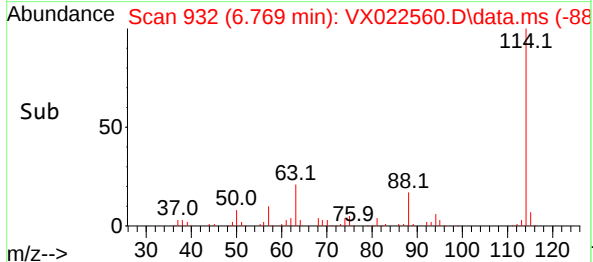
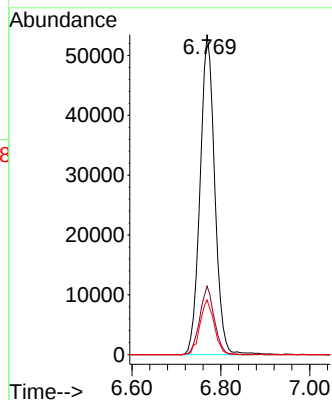
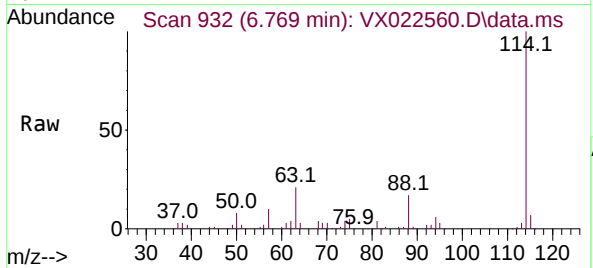




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

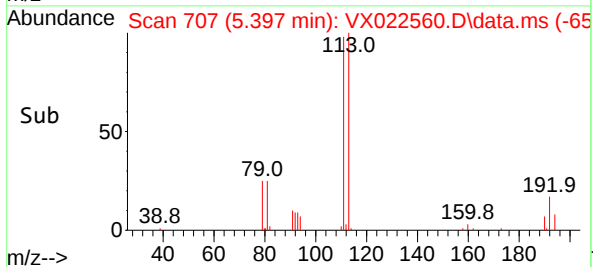
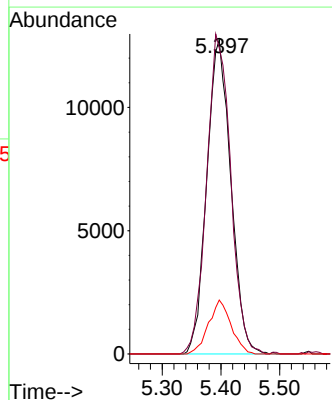
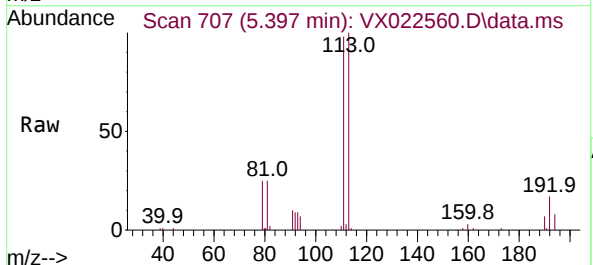
Instrument :
MSVOA_X
ClientSampleId :

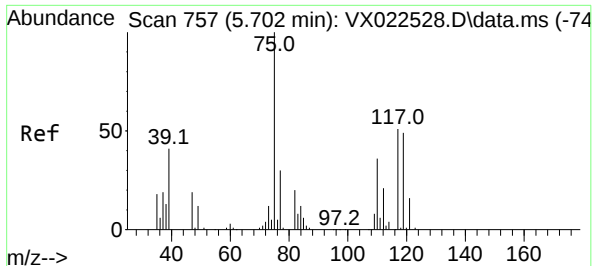
Tgt Ion:114 Resp: 123062
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 17.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.120 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

Tgt Ion:113 Resp: 36280
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 16.1 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 5.315 ug/l

RT: 5.562 min Scan# 734

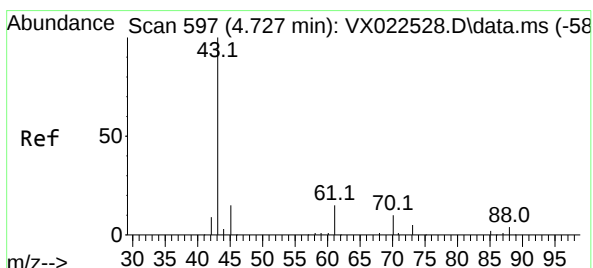
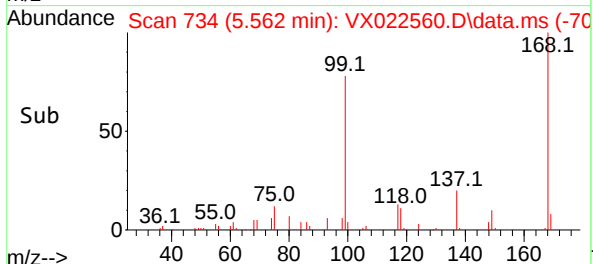
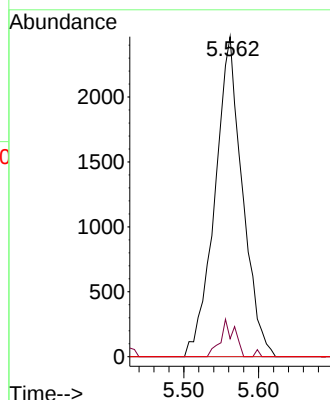
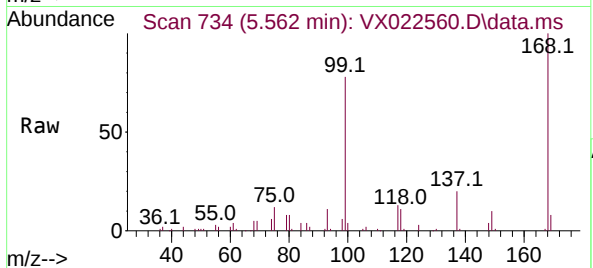
Delta R.T. -0.140 min

Lab File: VX022560.D

Acq: 08 Jun 2021 13:49

Tgt Ion:	75	Resp:	6328
Ion	Ratio	Lower	Upper
75	100		
110	5.9	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampled :



#37

Ethyl Acetate

Concen: 0.220 ug/l

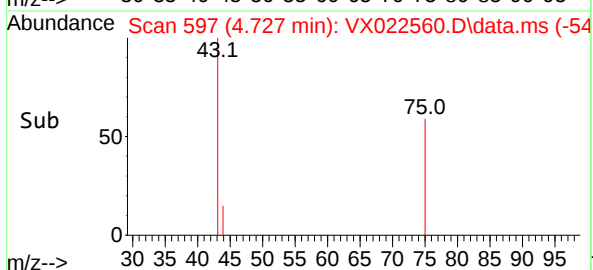
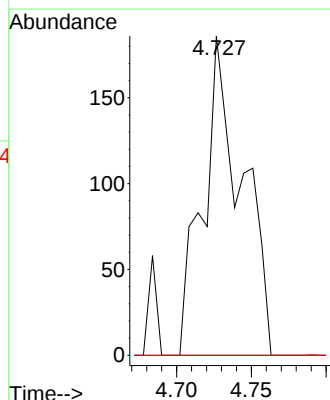
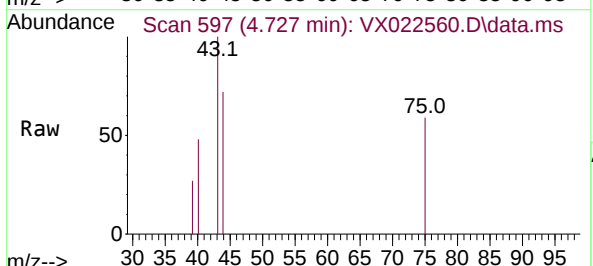
RT: 4.727 min Scan# 597

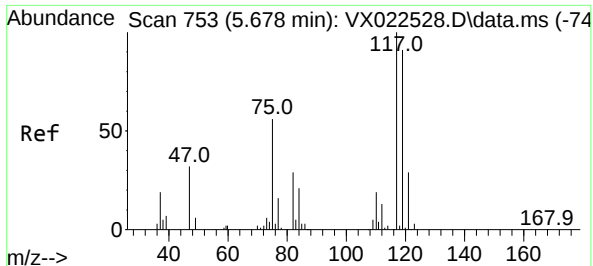
Delta R.T. -0.000 min

Lab File: VX022560.D

Acq: 08 Jun 2021 13:49

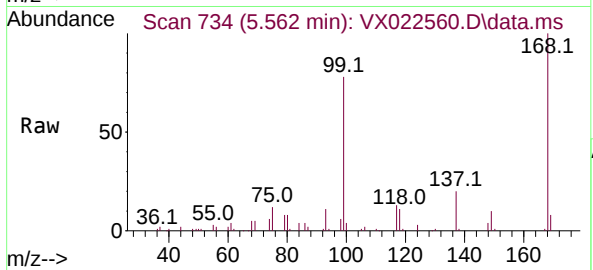
Tgt Ion:	43	Resp:	336
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



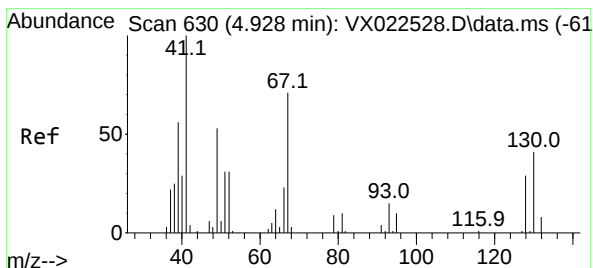
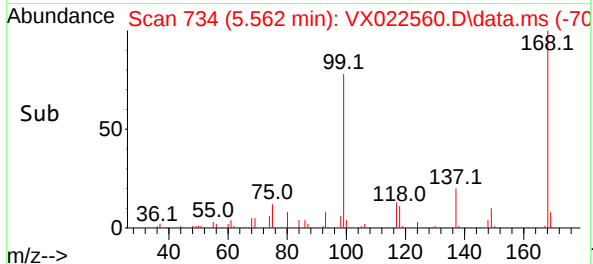
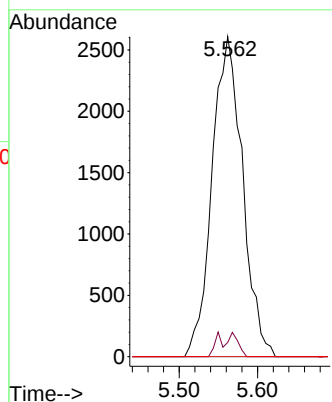


#38
Carbon Tetrachloride
Concen: 8.191 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.116 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

Instrument :
MSVOA_X
ClientSampled :

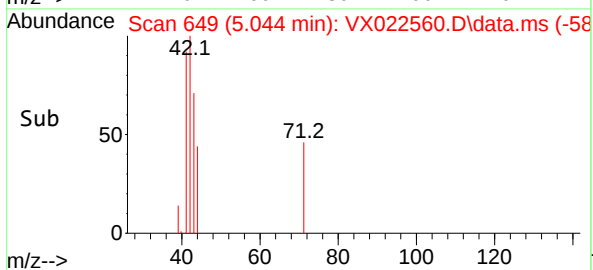
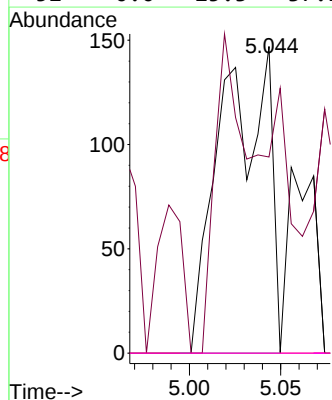
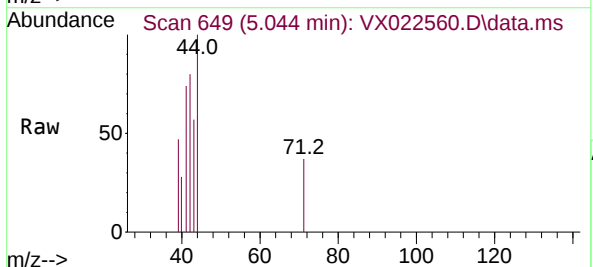


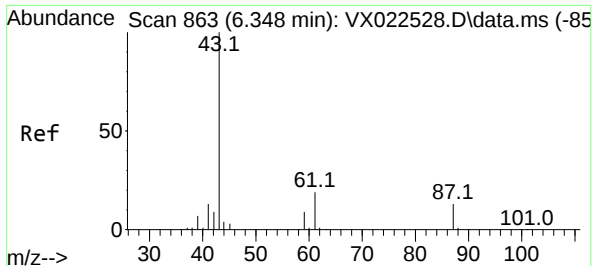
Tgt Ion: 117 Resp: 7049
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.323 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

Tgt Ion: 41 Resp: 271
Ion Ratio Lower Upper
41 100
39 0.0 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#





#43

Isopropyl Acetate

Concen: 4.550 ug/l

RT: 6.348 min Scan# 863

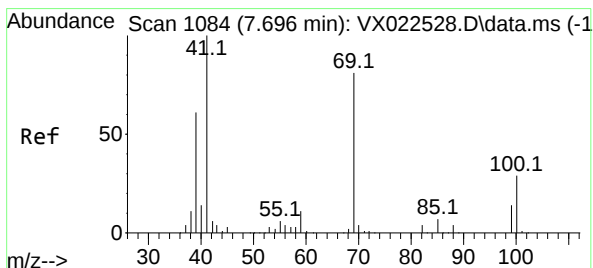
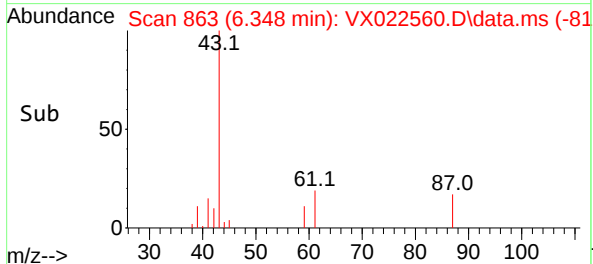
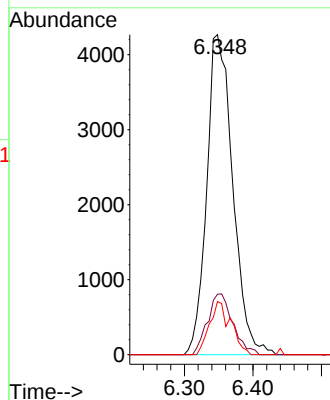
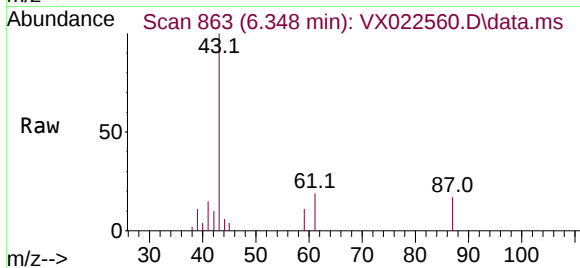
Delta R.T. 0.000 min

Lab File: VX022560.D

Acq: 08 Jun 2021 13:49

Tgt Ion: 43 Resp: 11270

Ion	Ratio	Lower	Upper
43	100		
61	18.5	18.2	27.4
87	13.7	12.5	18.7



#48

Methyl methacrylate

Concen: 3.256 ug/l

RT: 7.604 min Scan# 1069

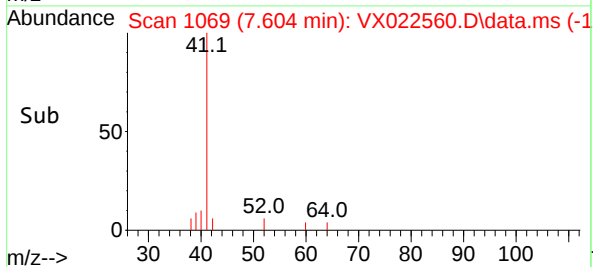
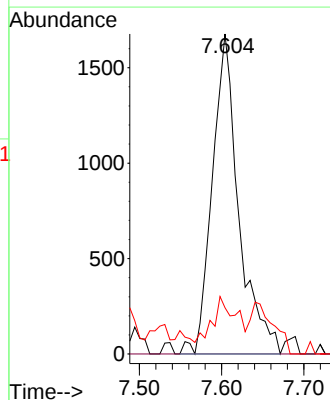
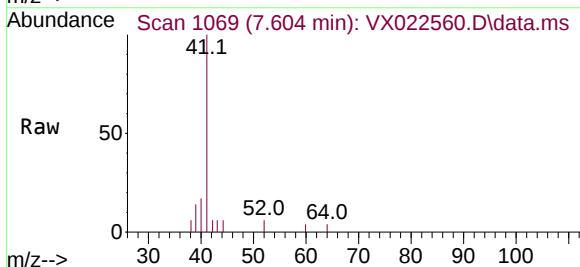
Delta R.T. -0.092 min

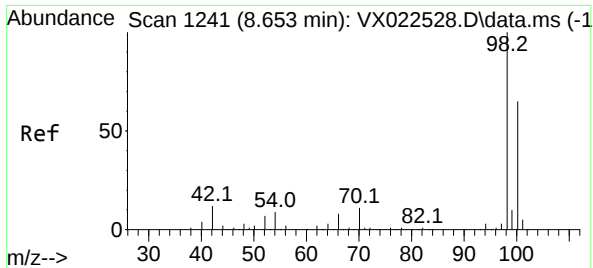
Lab File: VX022560.D

Acq: 08 Jun 2021 13:49

Tgt Ion: 41 Resp: 3753

Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#

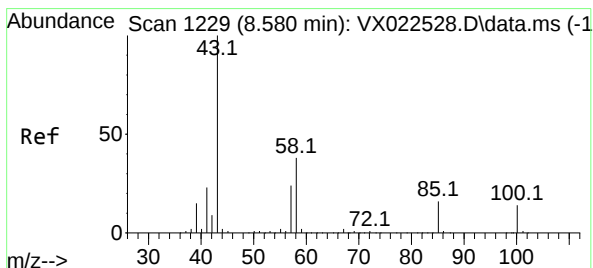
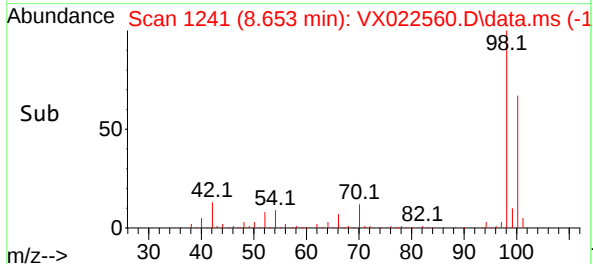
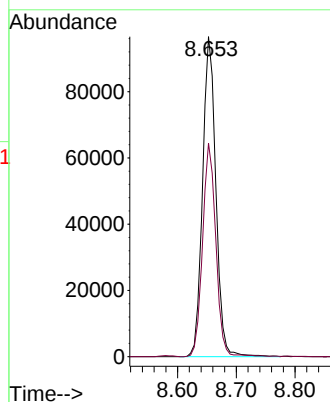
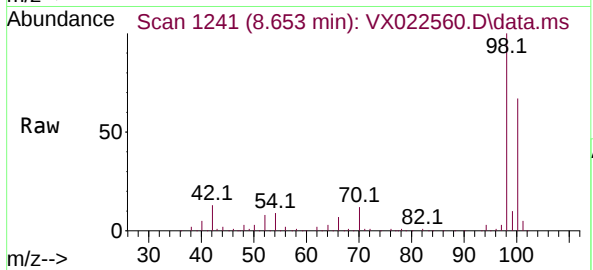




#50
Toluene-d8
Concen: 49.442 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

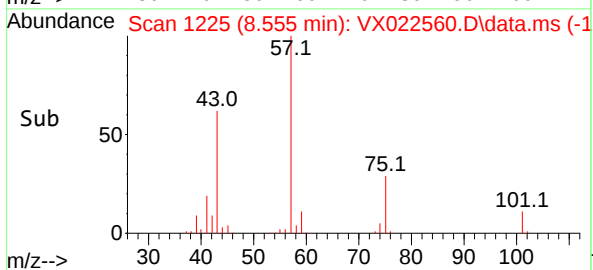
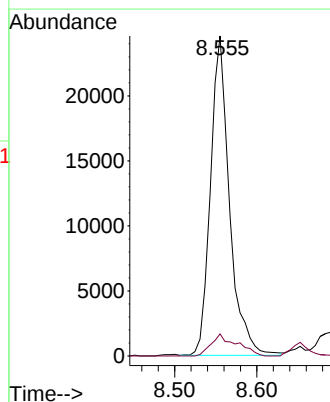
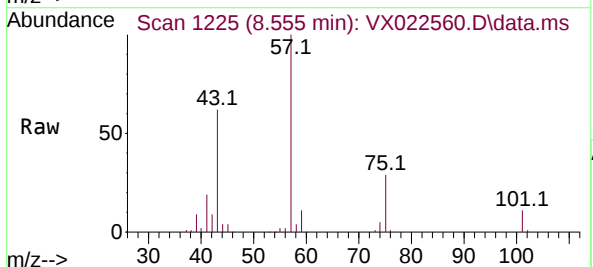
Instrument :
MSVOA_X
ClientSampled :

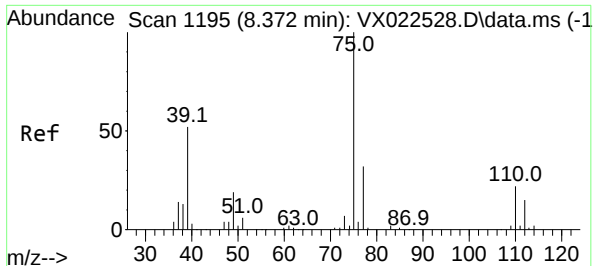
Tgt Ion: 98 Resp: 151895
Ion Ratio Lower Upper
98 100
100 66.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 25.525 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

Tgt Ion: 43 Resp: 39389
Ion Ratio Lower Upper
43 100
58 9.3 35.4 53.0#

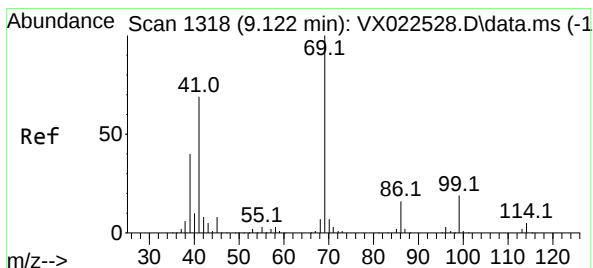
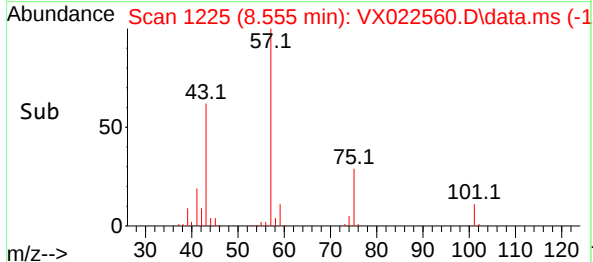
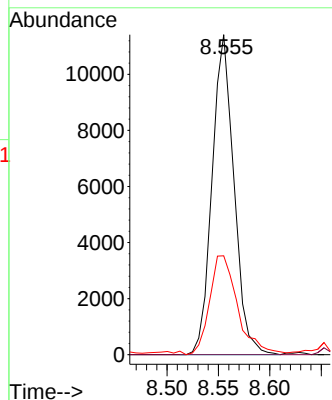
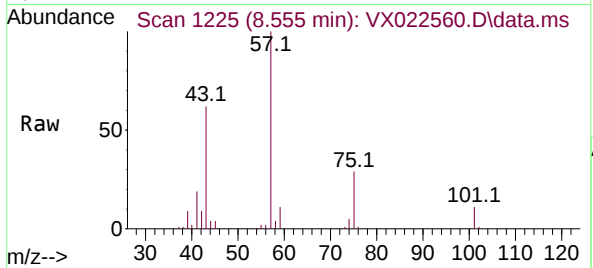




#54
cis-1,3-Dichloropropene
Concen: 12.459 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

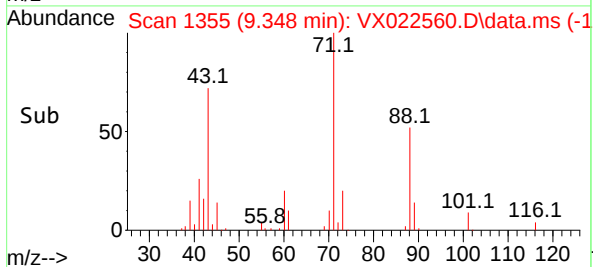
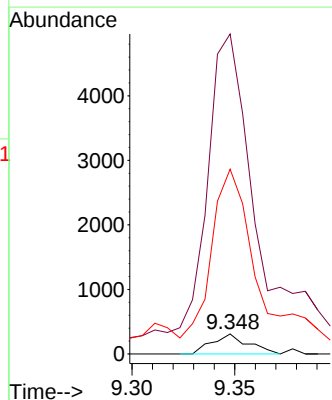
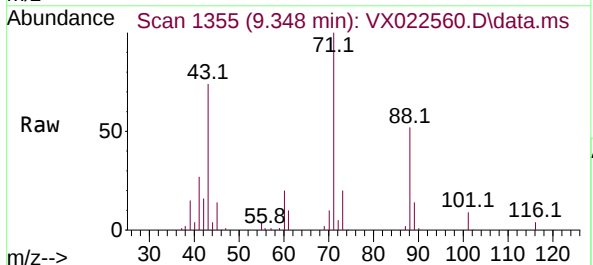
Instrument :
MSVOA_X
ClientSampleId :

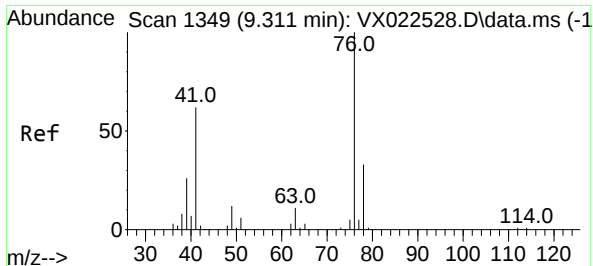
Tgt Ion: 75 Resp: 16905
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 30.0 35.1 52.7#



#56
Ethyl methacrylate
Concen: 2.914 ug/l
RT: 9.348 min Scan# 1355
Delta R.T. 0.226 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

Tgt Ion: 69 Resp: 377
Ion Ratio Lower Upper
69 100
41 2351.2 46.8 70.2#
39 1044.8 24.7 37.1#

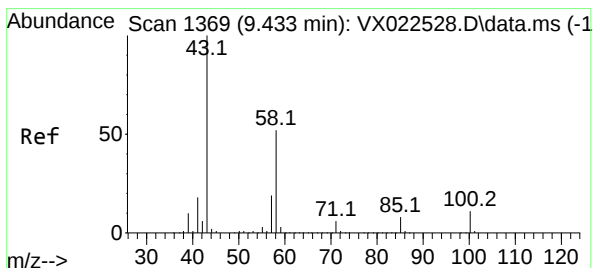
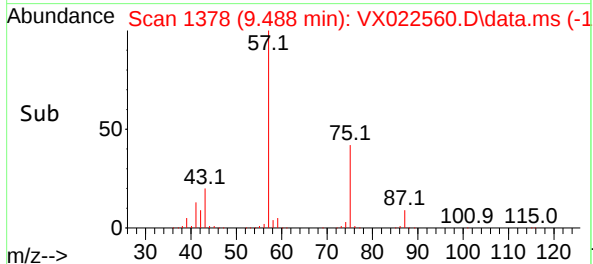
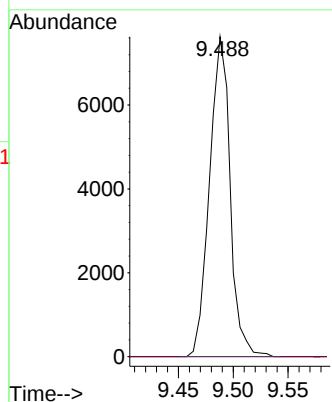
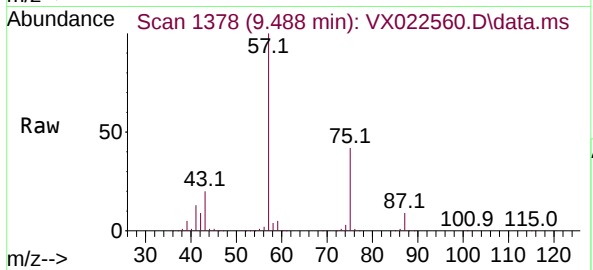




#57
1,3-Dichloropropane
Concen: 6.150 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

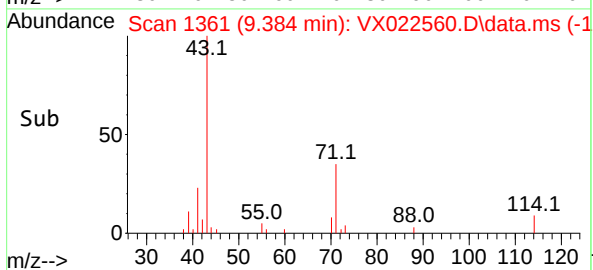
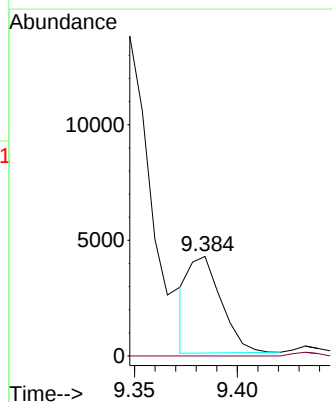
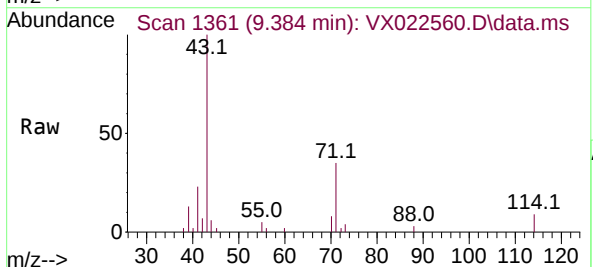
Instrument :
MSVOA_X
ClientSampleId :

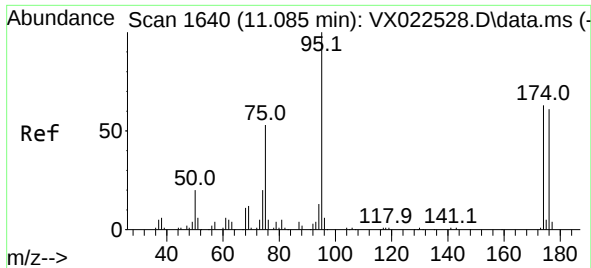
Tgt Ion: 76 Resp: 9996
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#



#59
2-Hexanone
Concen: 3.909 ug/l
RT: 9.384 min Scan# 1361
Delta R.T. -0.049 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

Tgt Ion: 43 Resp: 4608
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

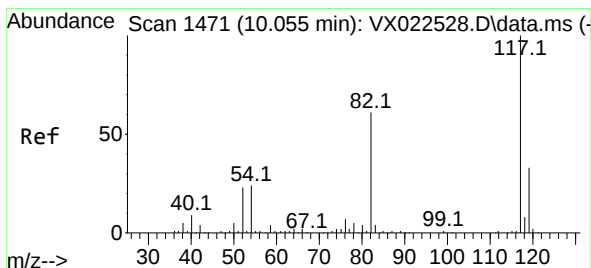
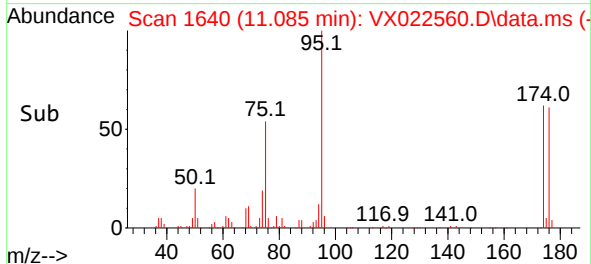
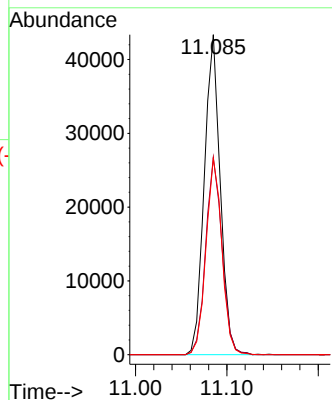
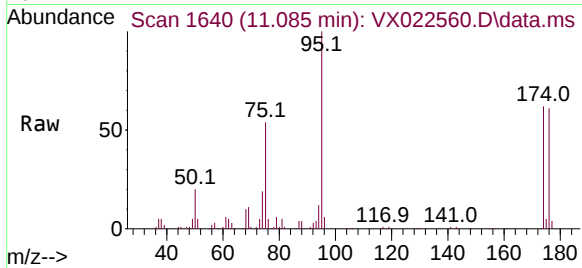




#62
4-Bromofluorobenzene
Concen: 45.841 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

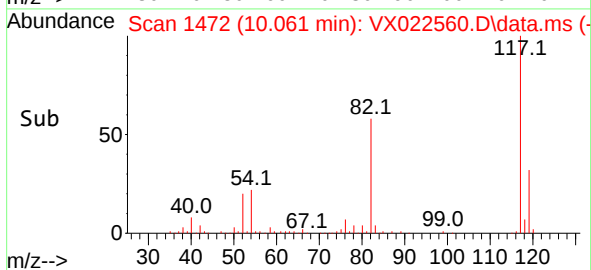
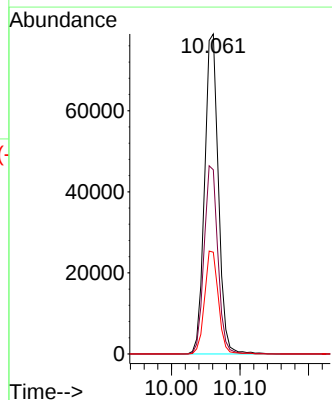
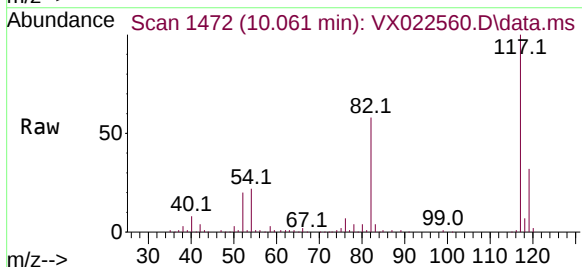
Instrument :
MSVOA_X
ClientSampleId :

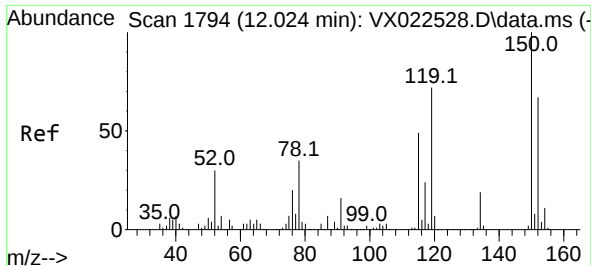
Tgt Ion: 95 Resp: 52346
Ion Ratio Lower Upper
95 100
174 63.1 0.0 154.6
176 61.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX022560.D
Acq: 08 Jun 2021 13:49

Tgt Ion: 117 Resp: 110671
Ion Ratio Lower Upper
117 100
82 57.5 47.4 71.2
119 31.8 26.6 39.8

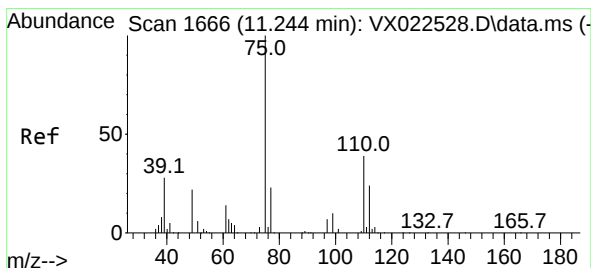
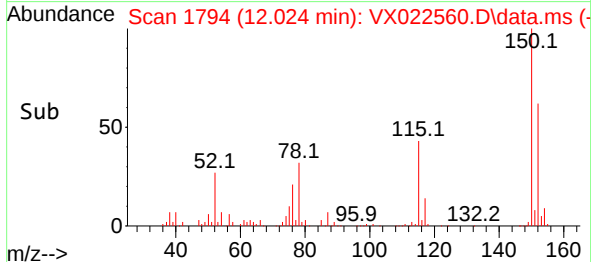
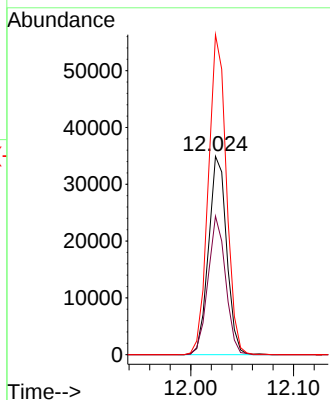
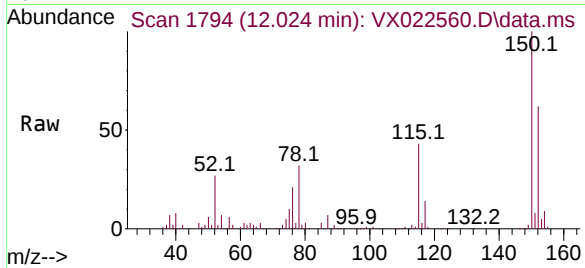




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. -0.000 min
 Lab File: VX022560.D
 Acq: 08 Jun 2021 13:49

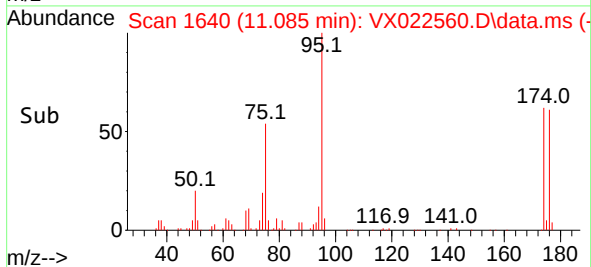
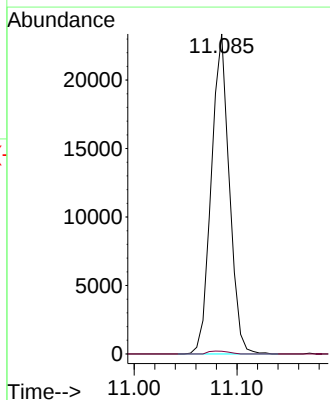
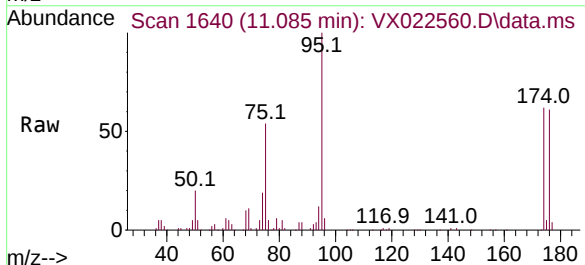
Instrument :
 MSVOA_X
 ClientSampled :

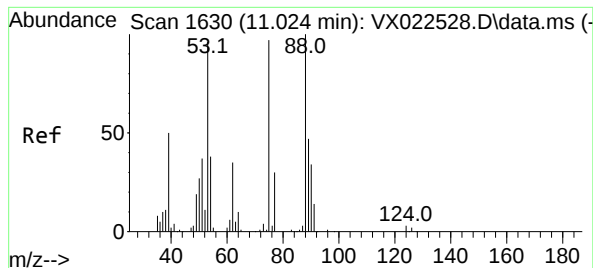
Tgt Ion:152 Resp: 42669
 Ion Ratio Lower Upper
 152 100
 115 67.8 41.1 123.3
 150 160.3 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.749 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX022560.D
 Acq: 08 Jun 2021 13:49

Tgt Ion: 75 Resp: 28463
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 63.546 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.061 min

Lab File: VX022560.D

Acq: 08 Jun 2021 13:49

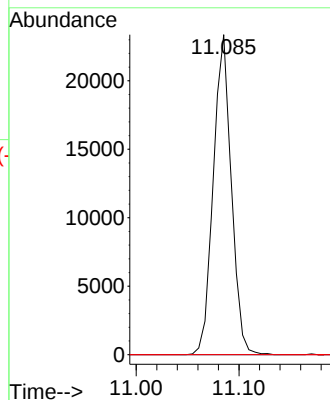
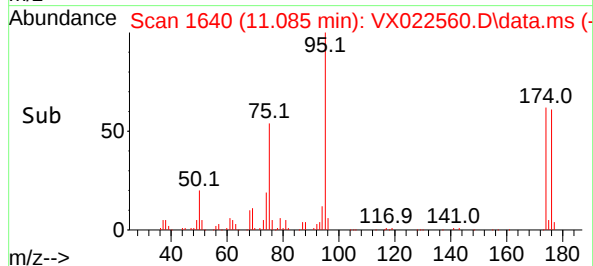
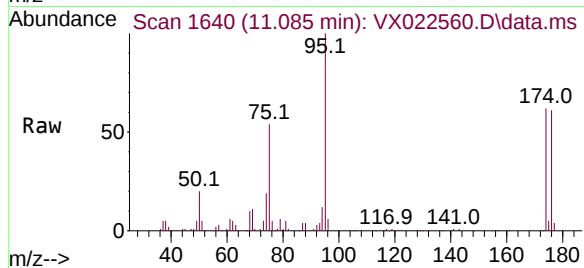
Tgt Ion: 75 Resp: 28463

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#



Instrument :
MSVOA_X
ClientSampleId :