

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011923\
 Data File : VX033811.D
 Acq On : 19 Jan 2023 19:03
 Operator : JC/MD
 Sample : 01220-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 20 05:24:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

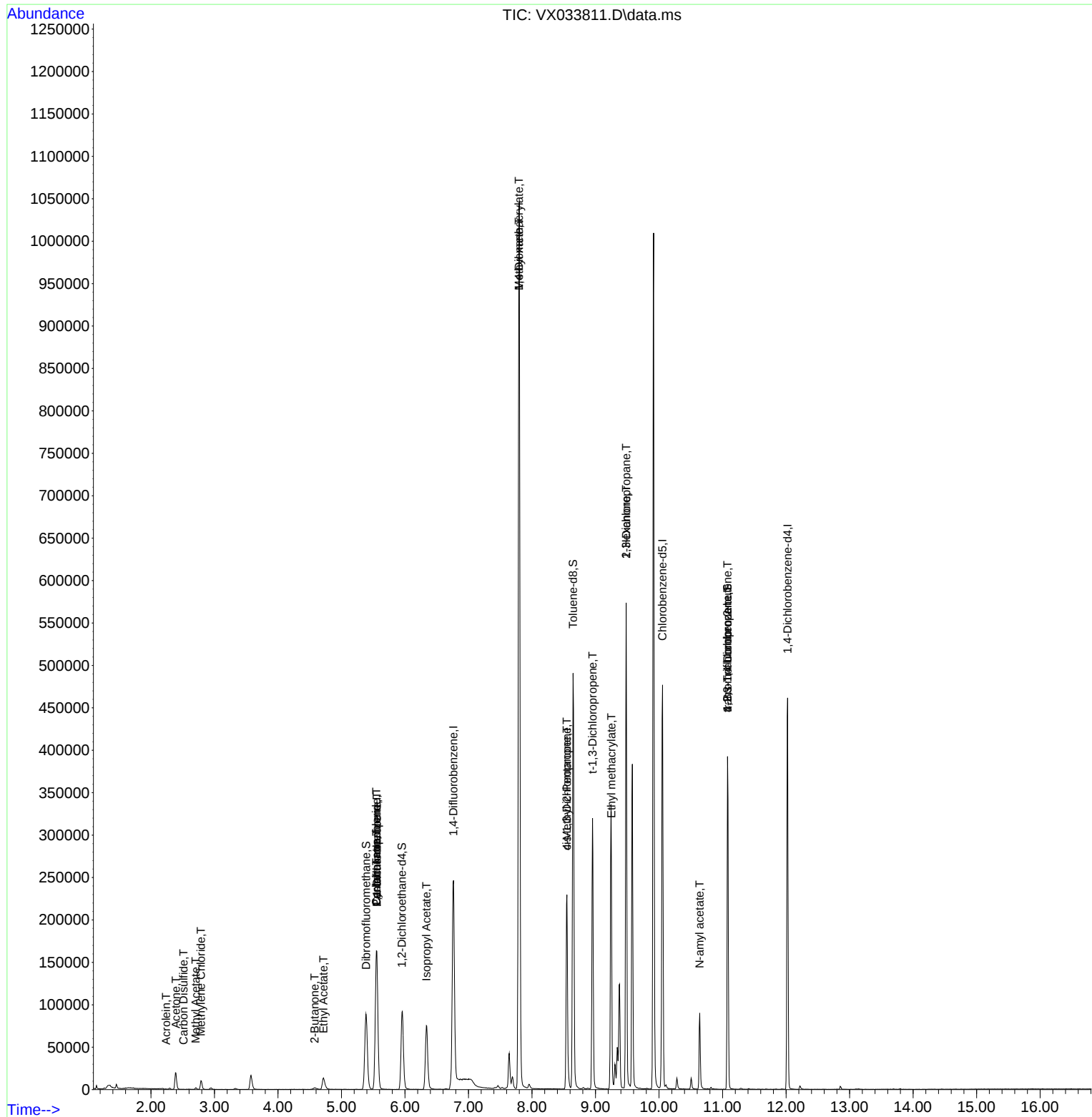
Internal Standards						
1) Pentafluorobenzene	5.556	168	177900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	258533	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87883	46.918	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.840%
35) Dibromofluoromethane	5.385	113	77957	48.561	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.120%
50) Toluene-d8	8.647	98	295968	50.600	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.200%
62) 4-Bromofluorobenzene	11.079	95	101065	46.538	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.080%
Target Compounds						
					Qvalue	
13) Acrolein	2.239	56	120	0.400	ug/l #	56
16) Acetone	2.392	43	25113	25.781	ug/l	95
17) Carbon Disulfide	2.514	76	118	1.853	ug/l #	76
18) Methyl Acetate	2.703	43	2350	0.899	ug/l	94
20) Methylene Chloride	2.788	84	5246	0.754	ug/l	88
25) 2-Butanone	4.574	43	3537	2.890	ug/l	91
31) Cyclohexane	5.550	56	2697	0.978	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10931	4.666	ug/l #	48
37) Ethyl Acetate	4.714	43	24295	8.495	ug/l	98
38) Carbon Tetrachloride	5.550	117	15235	6.278	ug/l #	15
43) Isopropyl Acetate	6.336	43	106259	28.728	ug/l	99
48) Methyl methacrylate	7.793	41	89263	47.908	ug/l #	44
49) 1,4-Dioxane	7.793	88	146	3.543	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	80939	35.631	ug/l #	51
53) t-1,3-Dichloropropene	8.951	75	658	0.286	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	38315	14.848	ug/l #	59
56) Ethyl methacrylate	9.250	69	689	0.280	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	5087	1.797	ug/l #	43
59) 2-Hexanone	9.482	43	65553	41.461	ug/l #	51
73) Isopropylbenzene	11.079	105	88	Below Cal	#	48
74) N-amyl acetate	10.640	43	24019	8.509	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	11.073	83	67	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	46976	23.784	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	46976	73.917	ug/l #	8

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

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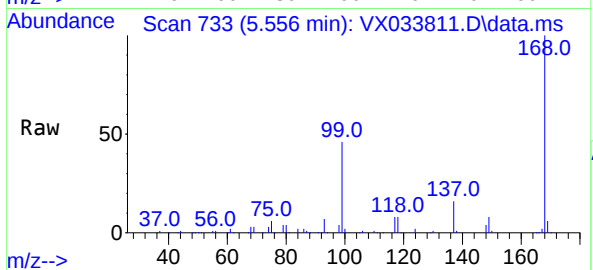
Quant Time: Jan 20 05:24:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
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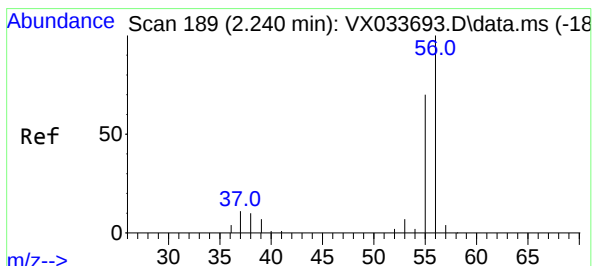
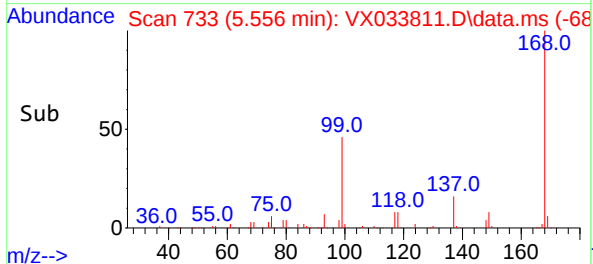
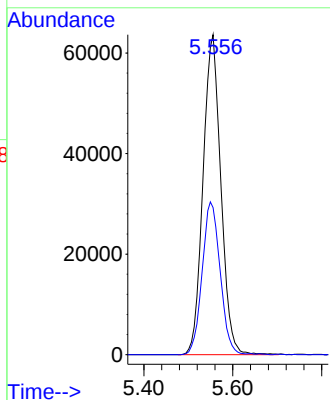


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03

Instrument :
MSVOA_X
ClientSampleId :

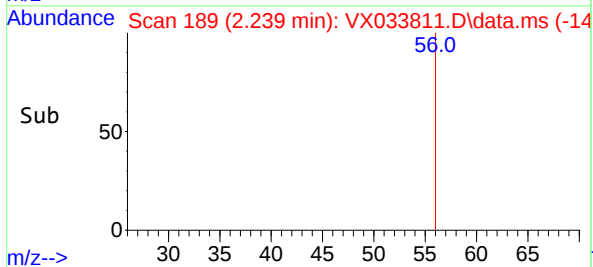
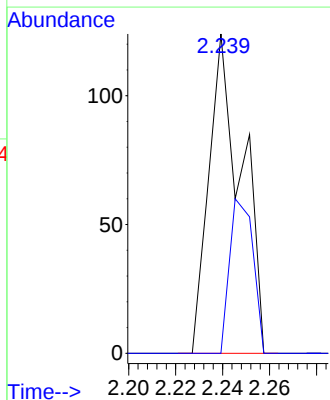
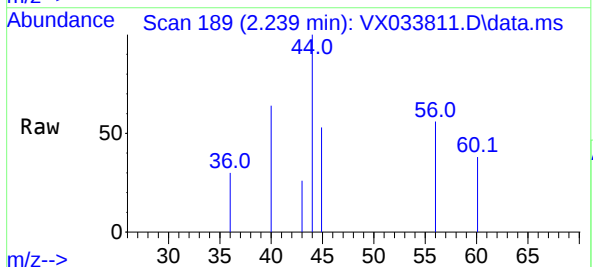


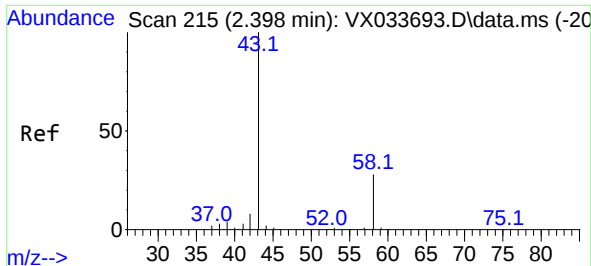
Tgt Ion:168 Resp: 177900
Ion Ratio Lower Upper
168 100
99 46.0 39.6 59.4



#13
Acrolein
Concen: 0.400 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03

Tgt Ion: 56 Resp: 120
Ion Ratio Lower Upper
56 100
55 34.2 56.3 84.5#

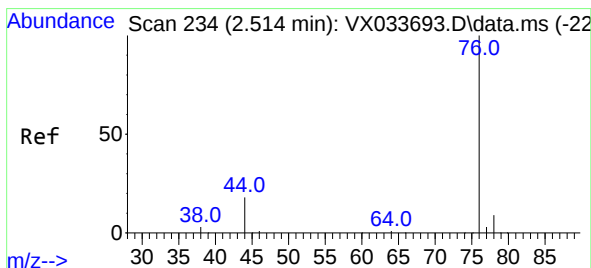
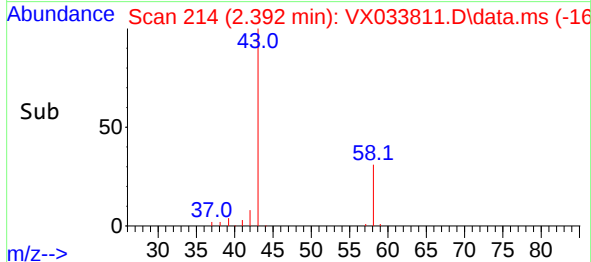
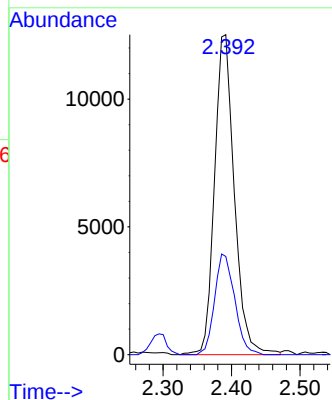
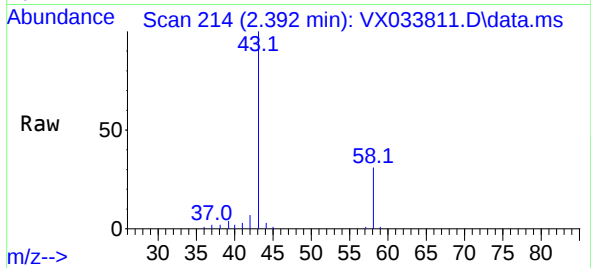




#16
Acetone
Concen: 25.781 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03

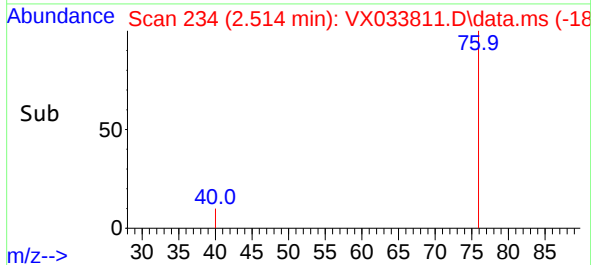
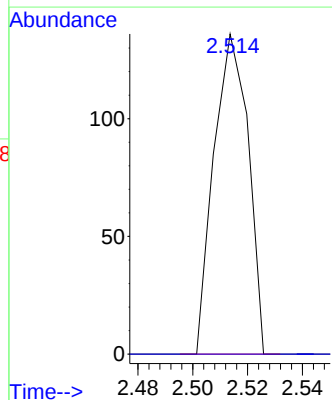
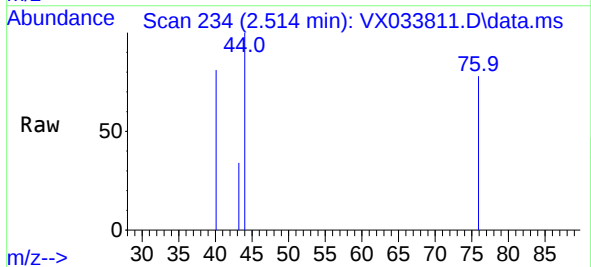
Instrument :
MSVOA_X
ClientSampleId :

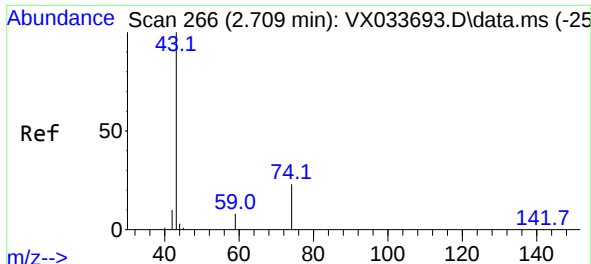
Tgt Ion: 43 Resp: 25113
Ion Ratio Lower Upper
43 100
58 30.7 22.6 33.8



#17
Carbon Disulfide
Concen: 1.853 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03

Tgt Ion: 76 Resp: 118
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

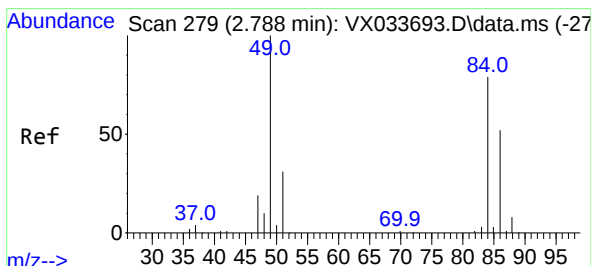
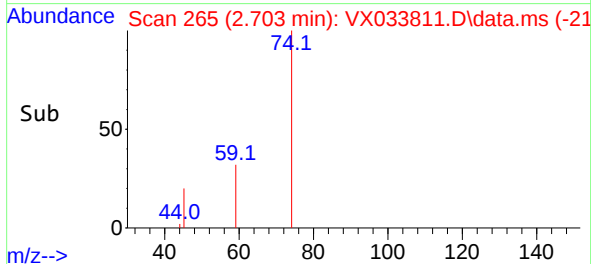
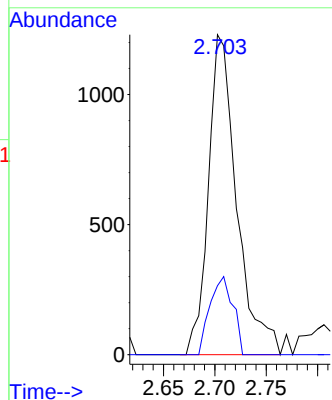
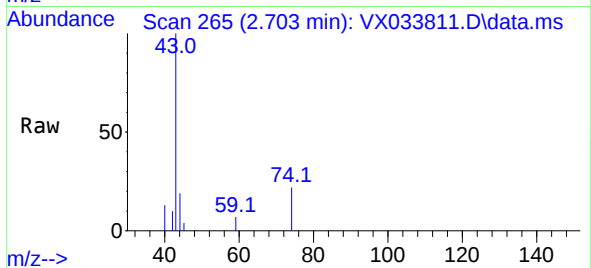




#18
Methyl Acetate
Concen: 0.899 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03

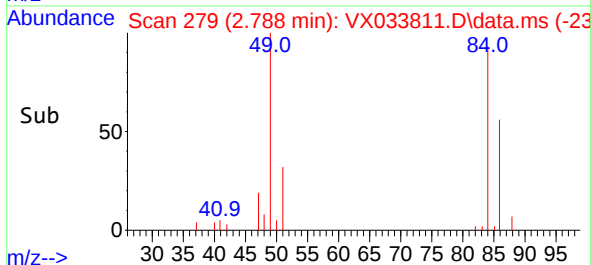
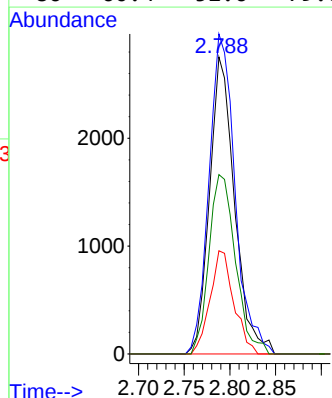
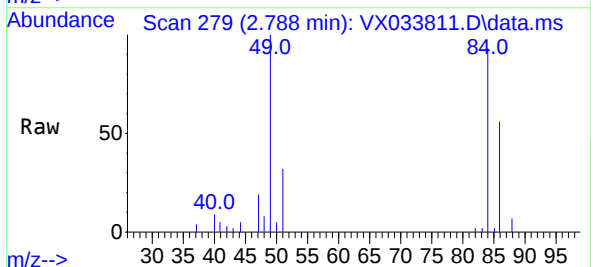
Instrument :
MSVOA_X
ClientSampleId :

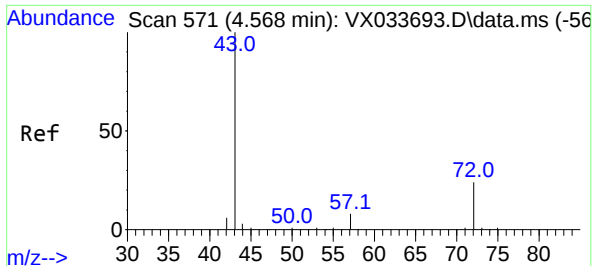
Tgt Ion: 43 Resp: 2350
Ion Ratio Lower Upper
43 100
74 19.8 18.2 27.4



#20
Methylene Chloride
Concen: 0.754 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03

Tgt Ion: 84 Resp: 5246
Ion Ratio Lower Upper
84 100
49 107.8 101.1 151.7
51 34.8 31.0 46.6
86 60.4 52.6 79.0

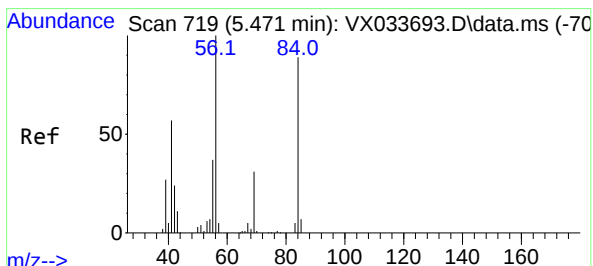
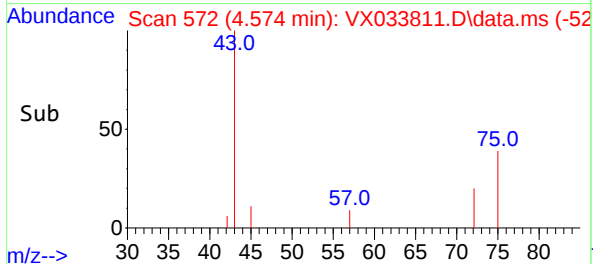
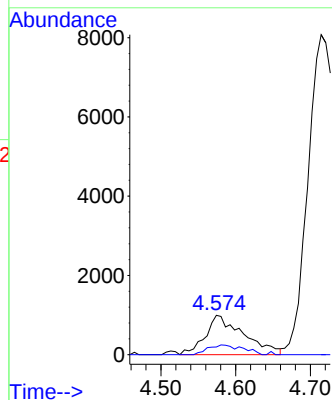
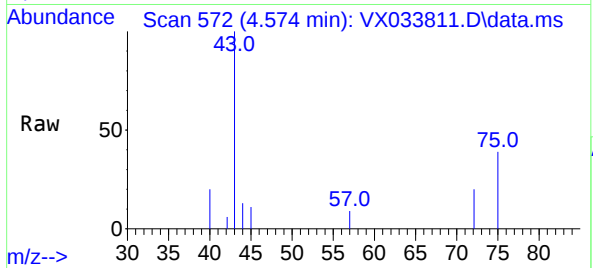




#25
2-Butanone
Concen: 2.890 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03

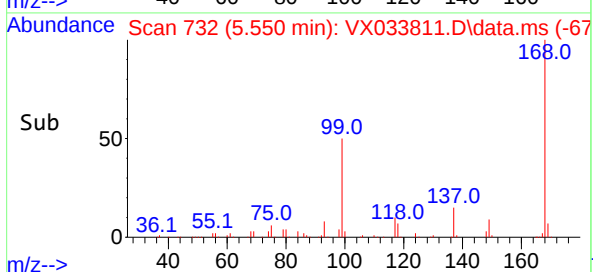
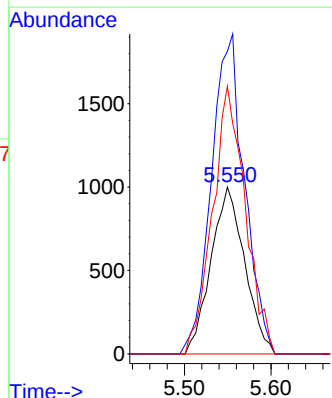
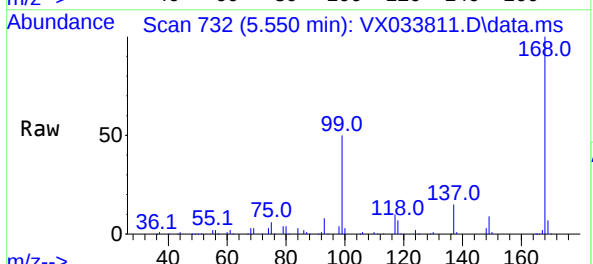
Instrument :
MSVOA_X
ClientSampleId :

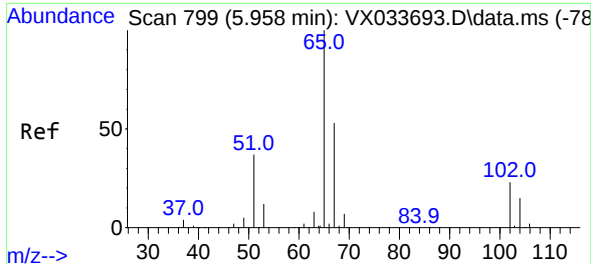
Tgt Ion: 43 Resp: 3537
Ion Ratio Lower Upper
43 100
72 19.7 19.4 29.2



#31
Cyclohexane
Concen: 0.978 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03

Tgt Ion: 56 Resp: 2697
Ion Ratio Lower Upper
56 100
69 181.3 24.6 37.0#
84 160.5 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 46.918 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033811.D

Acq: 19 Jan 2023 19:03

Instrument :

MSVOA_X

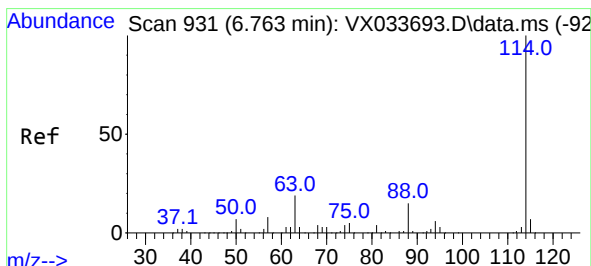
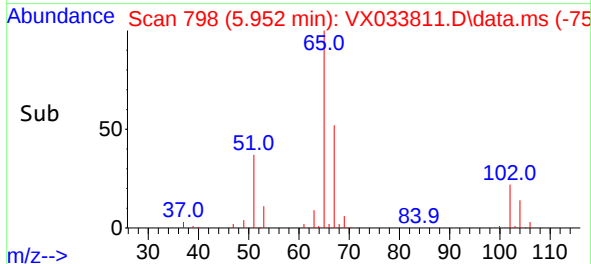
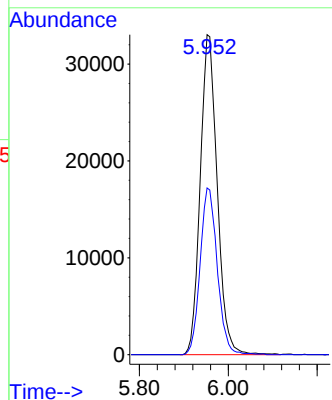
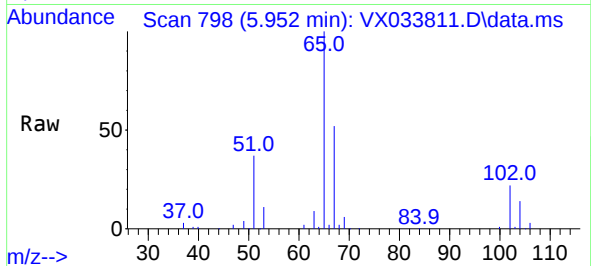
ClientSampleId :

Tgt Ion: 65 Resp: 87883

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033811.D

Acq: 19 Jan 2023 19:03

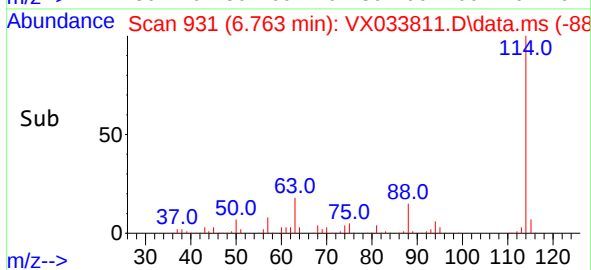
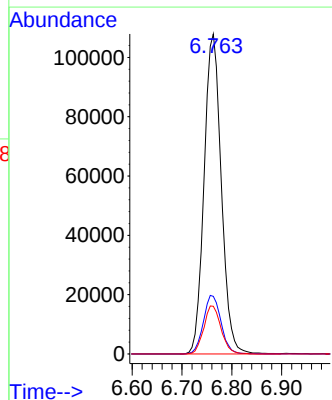
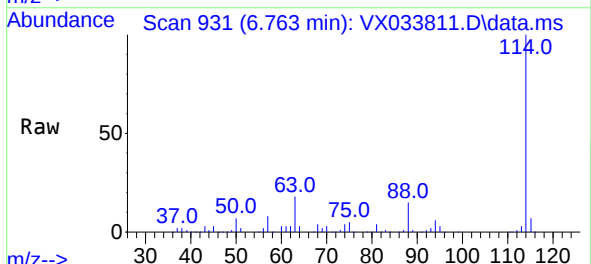
Tgt Ion: 114 Resp: 258533

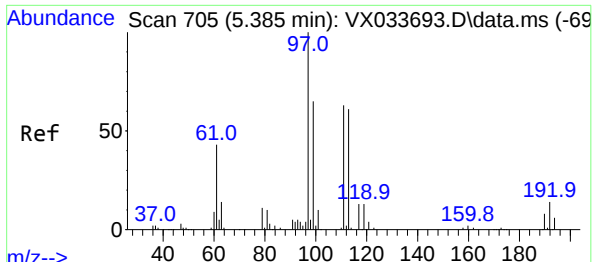
Ion Ratio Lower Upper

114 100

63 18.0 0.0 37.4

88 14.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.561 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

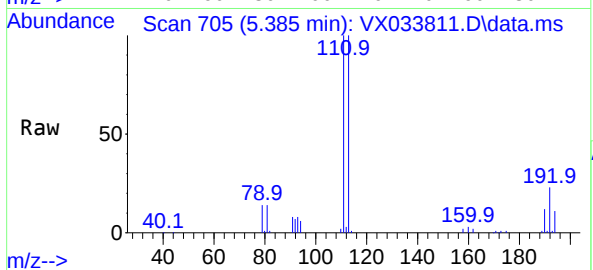
Lab File: VX033811.D

Acq: 19 Jan 2023 19:03

Instrument :

MSVOA_X

ClientSampleId :



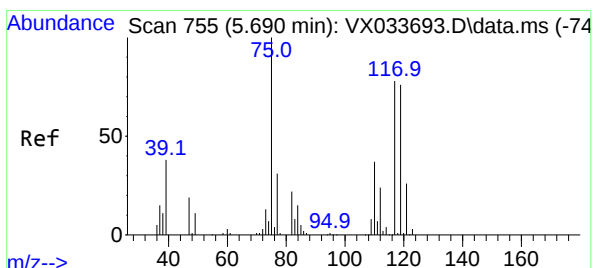
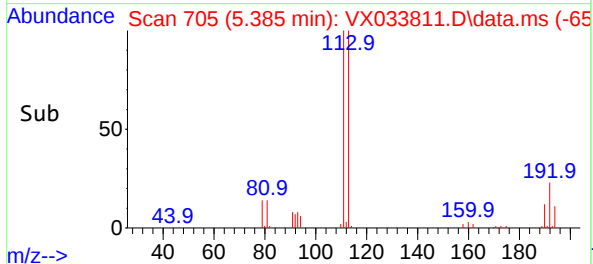
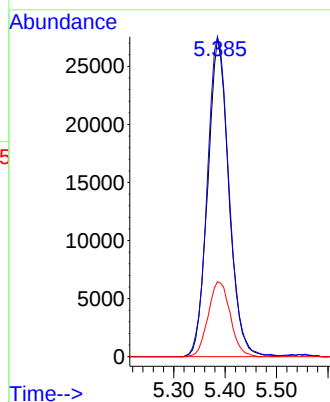
Tgt Ion:113 Resp: 77957

Ion Ratio Lower Upper

113 100

111 103.4 83.0 124.6

192 24.7 19.0 28.4



#36

1,1-Dichloropropene

Concen: 4.666 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX033811.D

Acq: 19 Jan 2023 19:03

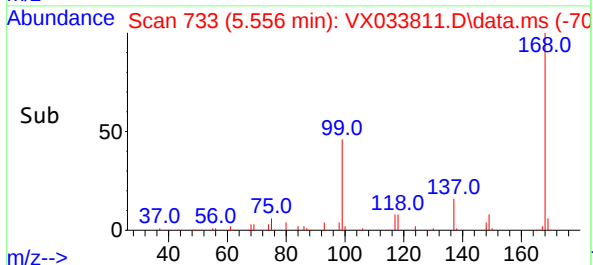
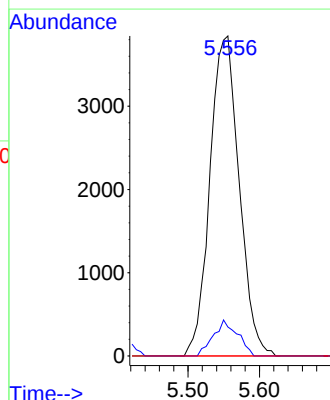
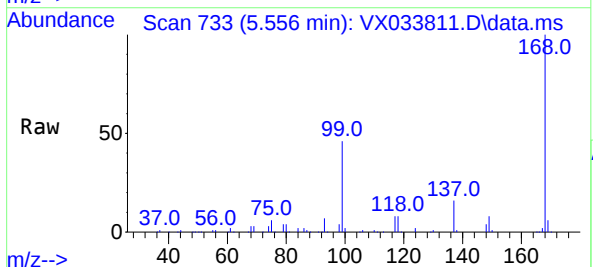
Tgt Ion: 75 Resp: 10931

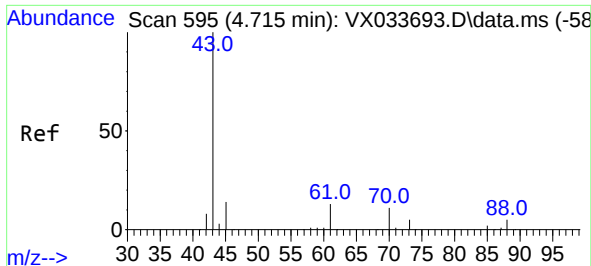
Ion Ratio Lower Upper

75 100

110 9.3 18.8 56.4#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 8.495 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.001 min

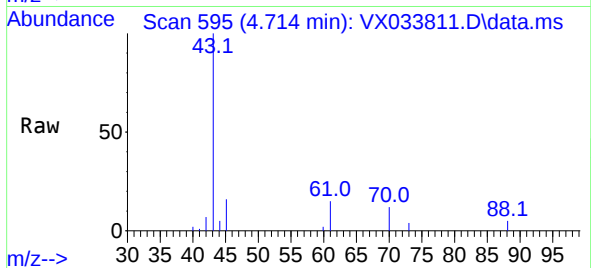
Lab File: VX033811.D

Acq: 19 Jan 2023 19:03

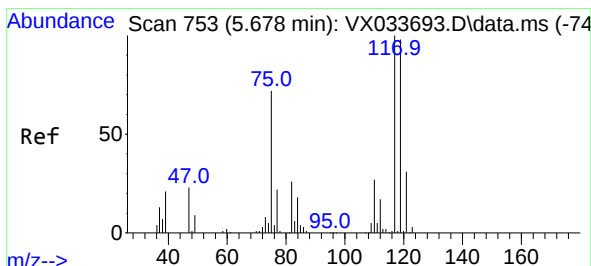
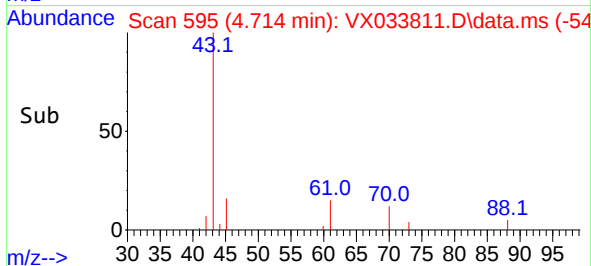
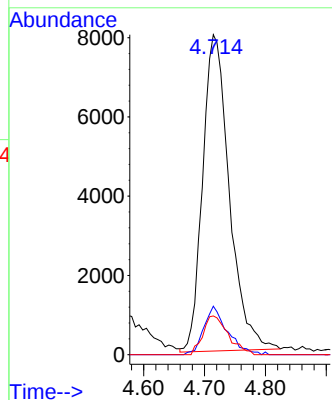
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	24295
Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.1	16.7
70	11.6	8.5	12.7



#38

Carbon Tetrachloride

Concen: 6.278 ug/l

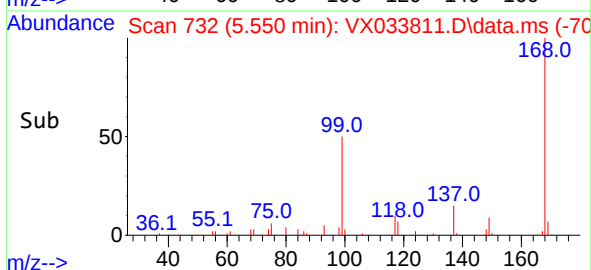
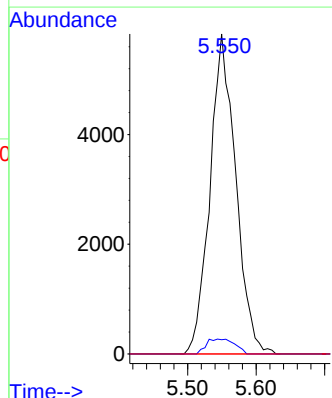
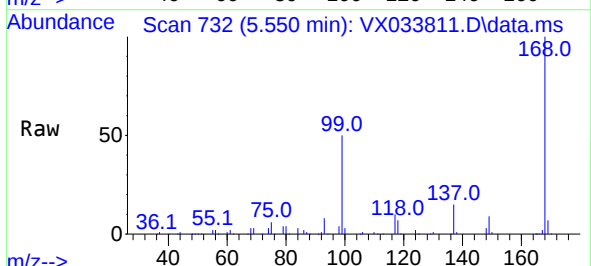
RT: 5.550 min Scan# 732

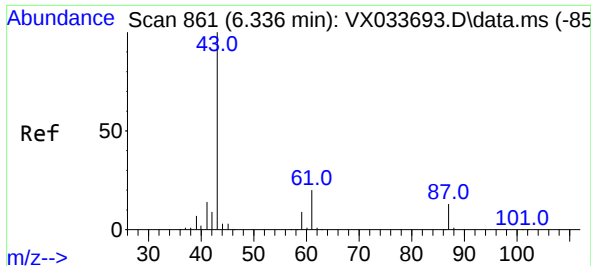
Delta R.T. -0.128 min

Lab File: VX033811.D

Acq: 19 Jan 2023 19:03

Tgt Ion:	117	Resp:	15235
Ion	Ratio	Lower	Upper
117	100		
119	4.4	78.0	117.0#
121	0.0	24.4	36.6#

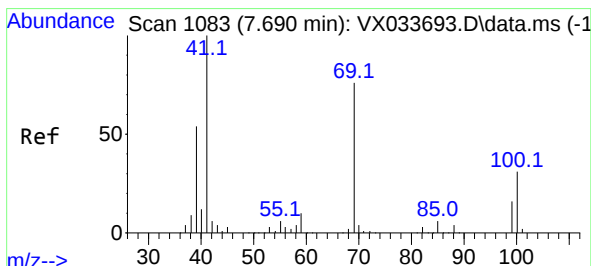
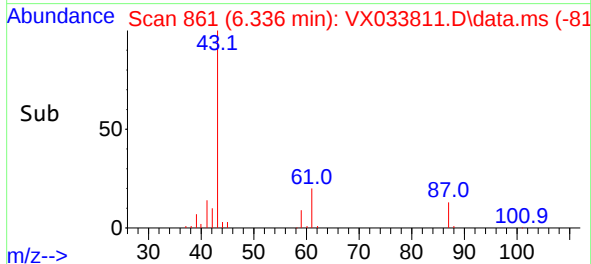
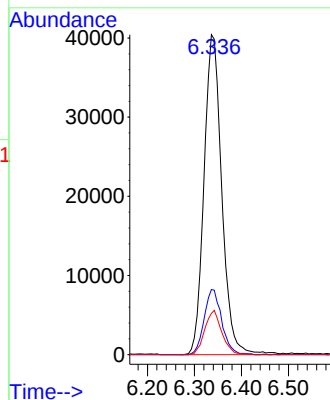
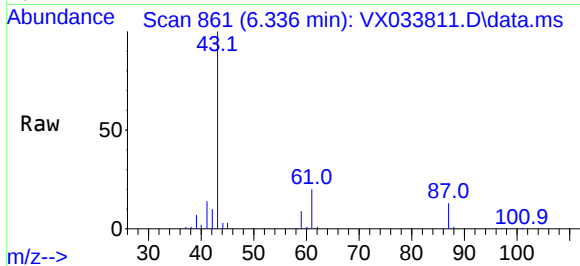




#43
Isopropyl Acetate
Concen: 28.728 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03

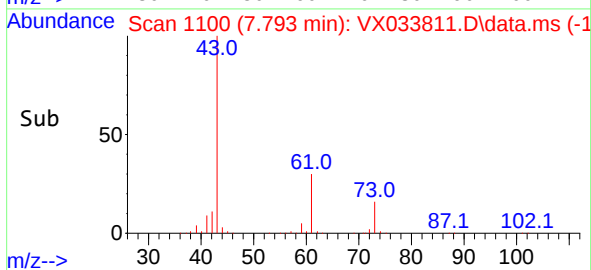
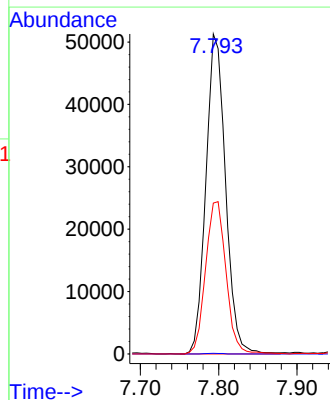
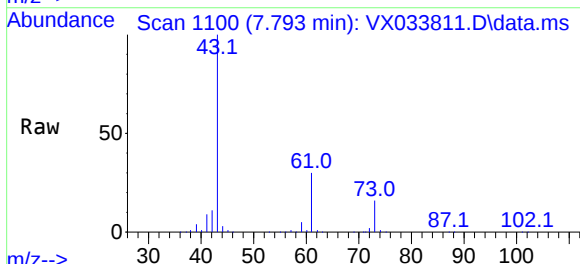
Instrument :
MSVOA_X
ClientSampleId :

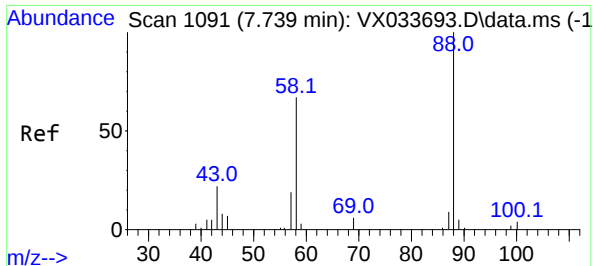
Tgt Ion: 43 Resp: 106259
Ion Ratio Lower Upper
43 100
61 20.1 15.7 23.5
87 13.2 10.6 15.8



#48
Methyl methacrylate
Concen: 47.908 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03

Tgt Ion: 41 Resp: 89263
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 49.7 43.2 64.8





#49

1,4-Dioxane

Concen: 3.543 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.055 min

Lab File: VX033811.D

Acq: 19 Jan 2023 19:03

Instrument :

MSVOA_X

ClientSampleId :

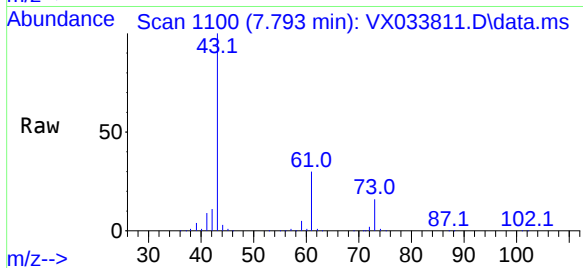
Tgt Ion: 88 Resp: 146

Ion Ratio Lower Upper

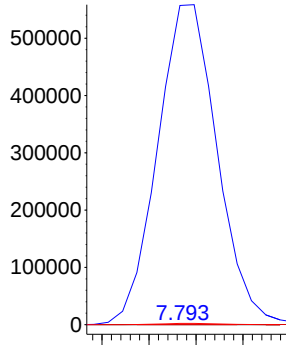
88 100

43 681959.6 0.0 0.0#

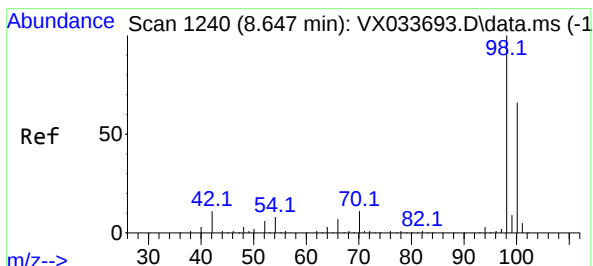
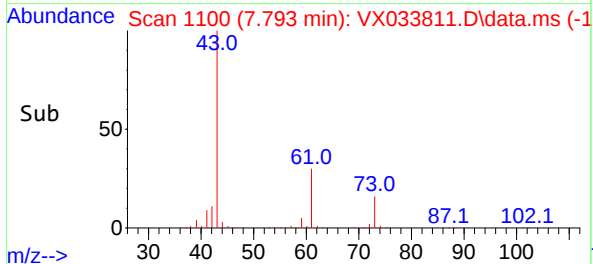
58 2719.2 56.5 84.7#



Abundance



Time-->



#50

Toluene-d8

Concen: 50.600 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX033811.D

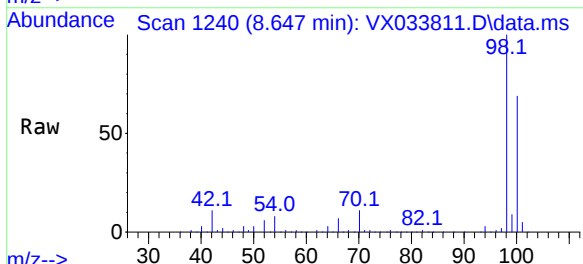
Acq: 19 Jan 2023 19:03

Tgt Ion: 98 Resp: 295968

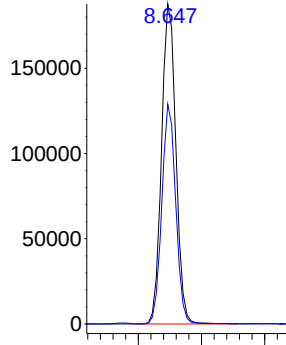
Ion Ratio Lower Upper

98 100

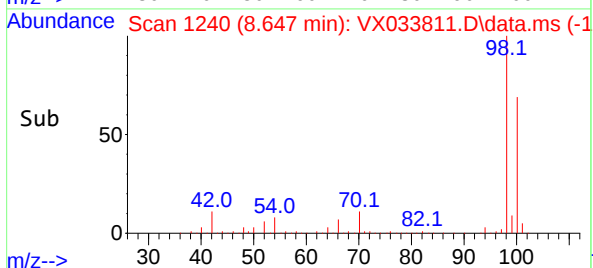
100 67.0 53.6 80.4

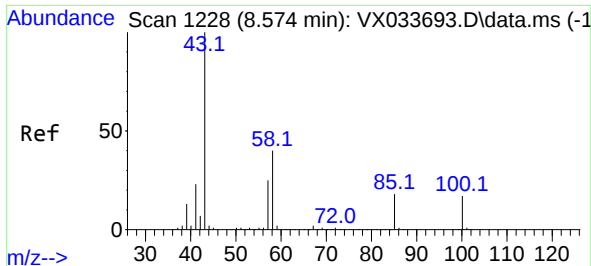


Abundance



Time-->

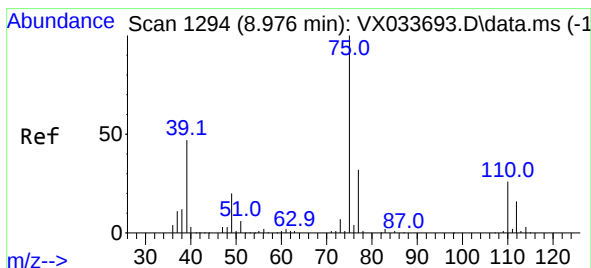
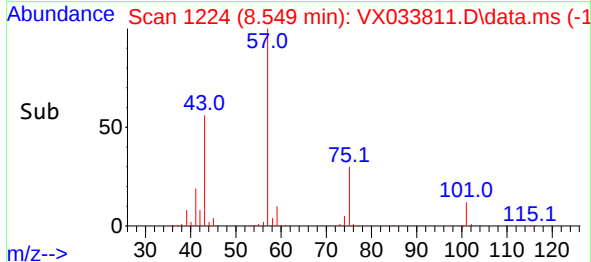
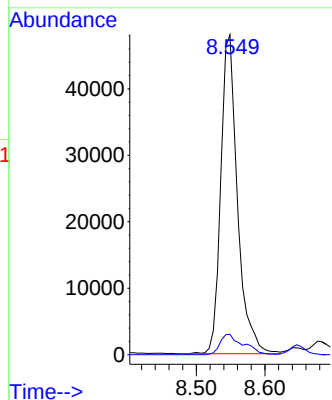
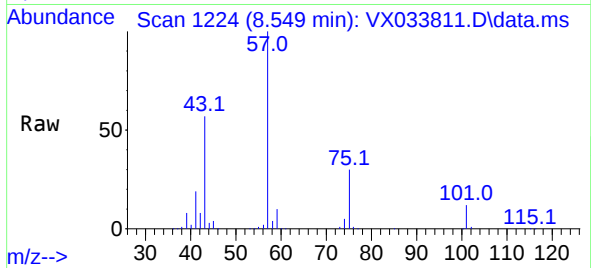




#51
4-Methyl-2-Pentanone
Concen: 35.631 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03

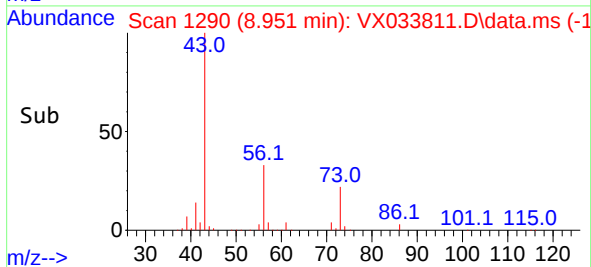
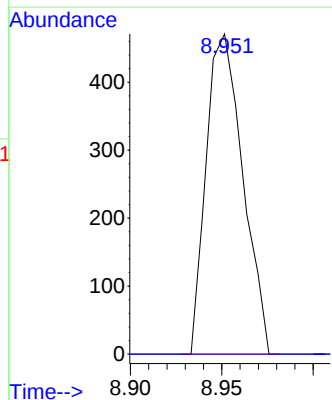
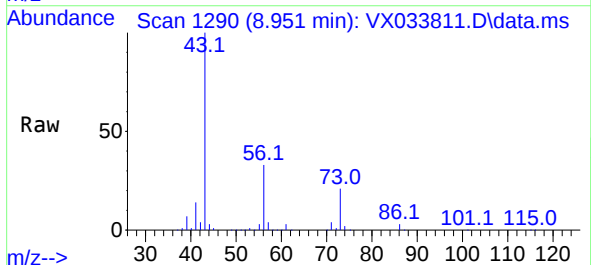
Instrument :
MSVOA_X
ClientSampleId :

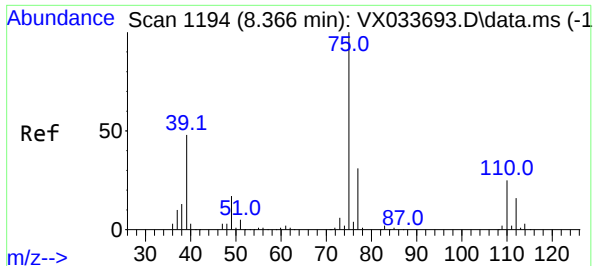
Tgt Ion: 43 Resp: 80939
Ion Ratio Lower Upper
43 100
58 8.9 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.286 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03

Tgt Ion: 75 Resp: 658
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

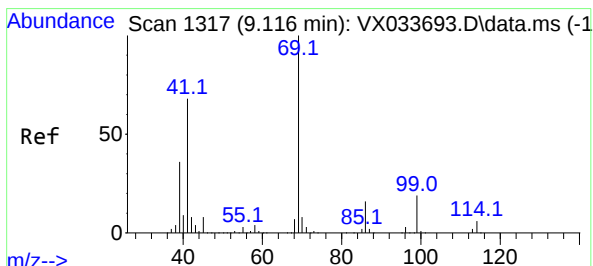
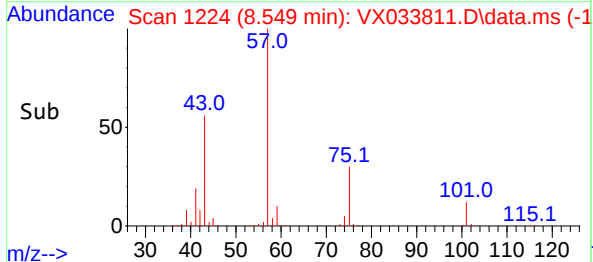
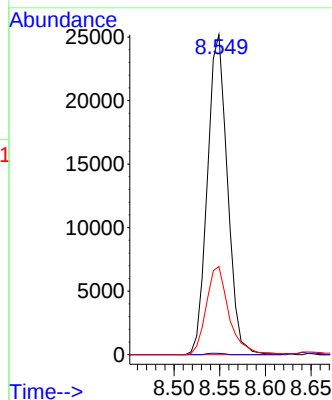
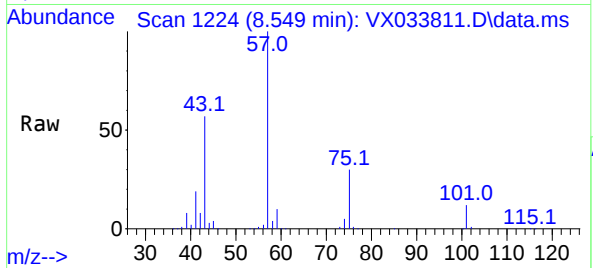




#54
 cis-1,3-Dichloropropene
 Concen: 14.848 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033811.D
 Acq: 19 Jan 2023 19:03

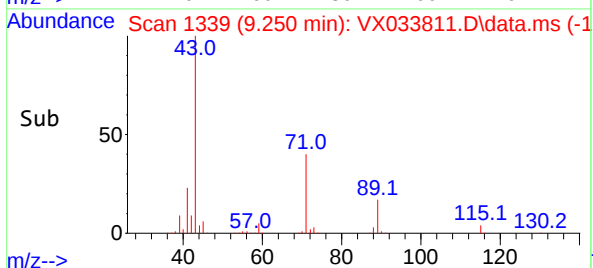
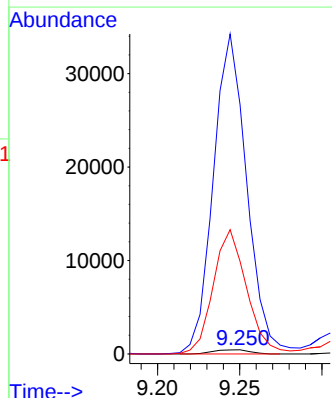
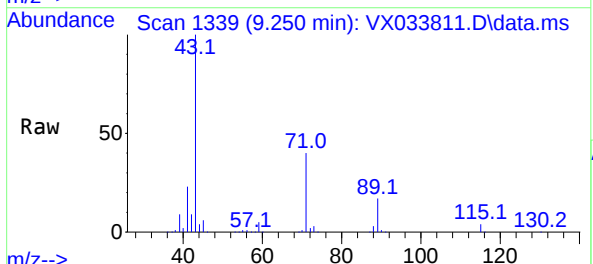
Instrument :
 MSVOA_X
 ClientSampleId :

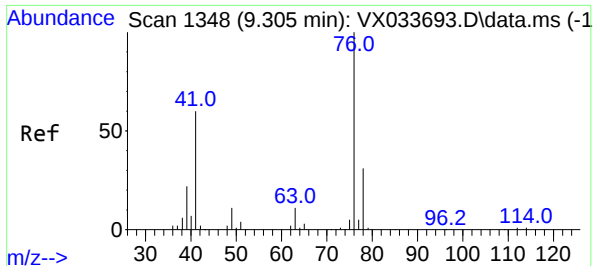
Tgt Ion: 75 Resp: 38315
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.0 37.6#
 39 27.5 38.6 58.0#



#56
 Ethyl methacrylate
 Concen: 0.280 ug/l
 RT: 9.250 min Scan# 1339
 Delta R.T. 0.134 min
 Lab File: VX033811.D
 Acq: 19 Jan 2023 19:03

Tgt Ion: 69 Resp: 689
 Ion Ratio Lower Upper
 69 100
 41 7073.6 55.1 82.7#
 39 2735.7 28.5 42.7#

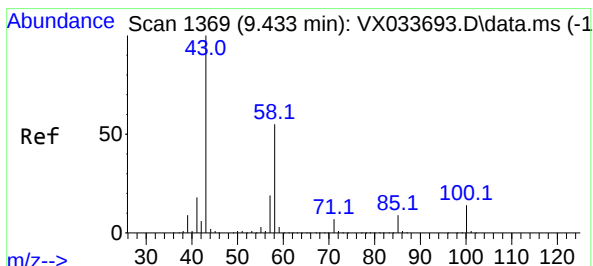
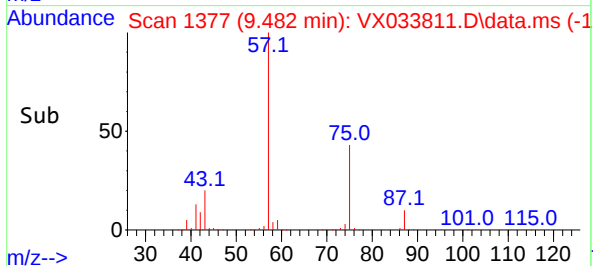
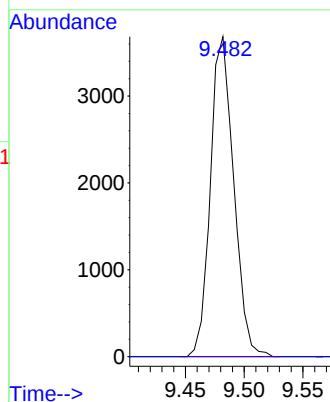
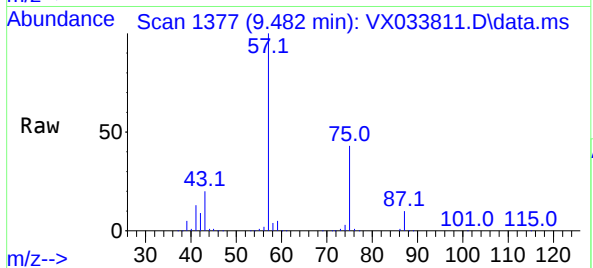




#57
1,3-Dichloropropane
Concen: 1.797 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03

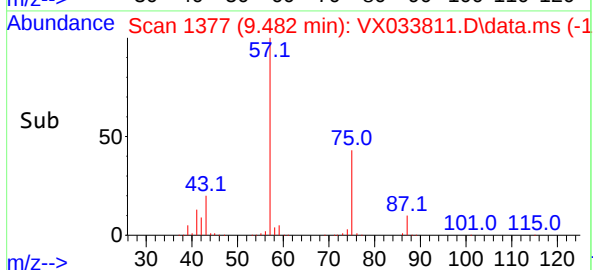
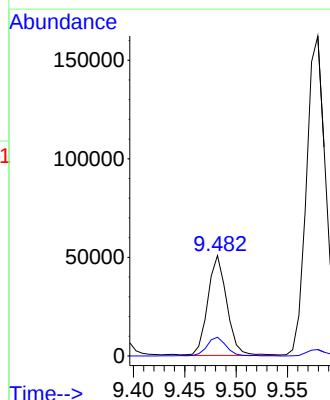
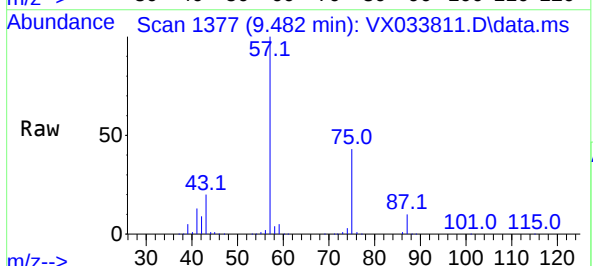
Instrument :
MSVOA_X
ClientSampleId :

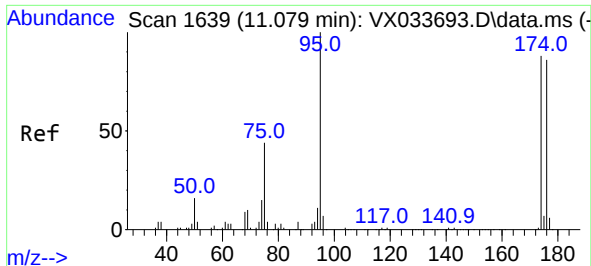
Tgt Ion: 76 Resp: 5087
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 41.461 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03

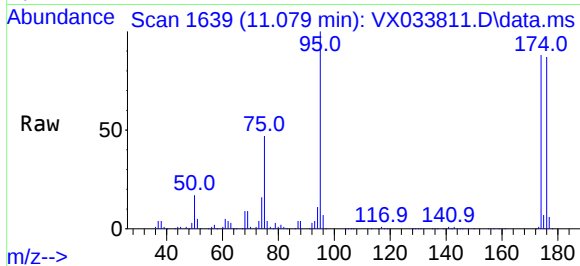
Tgt Ion: 43 Resp: 65553
Ion Ratio Lower Upper
43 100
58 19.3 27.4 82.0#



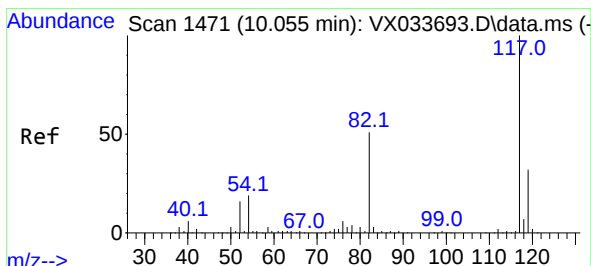
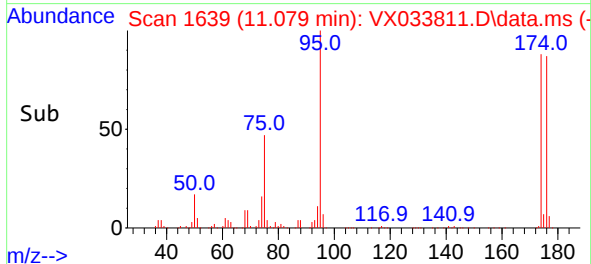
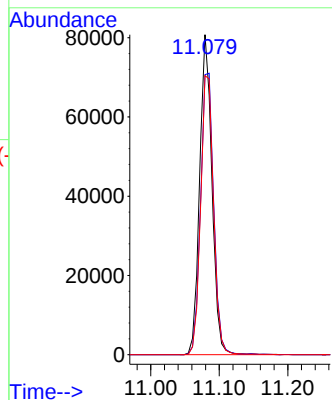


#62
4-Bromofluorobenzene
Concen: 46.538 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03

Instrument :
MSVOA_X
ClientSampleId :

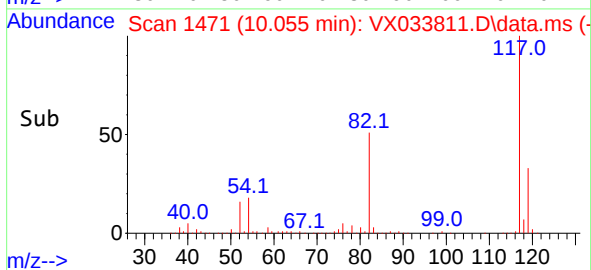
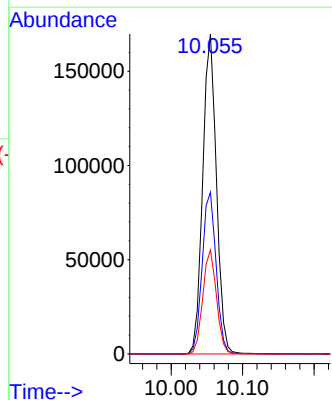
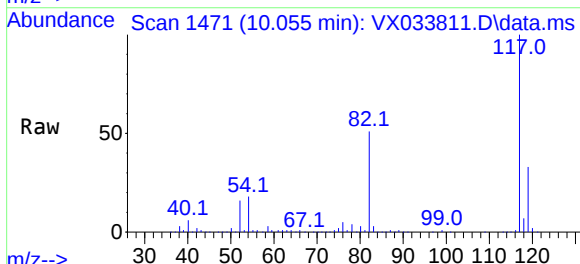


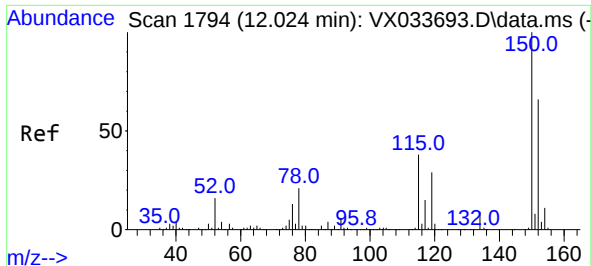
Tgt Ion: 95 Resp: 101065
Ion Ratio Lower Upper
95 100
174 93.7 0.0 184.4
176 91.6 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03

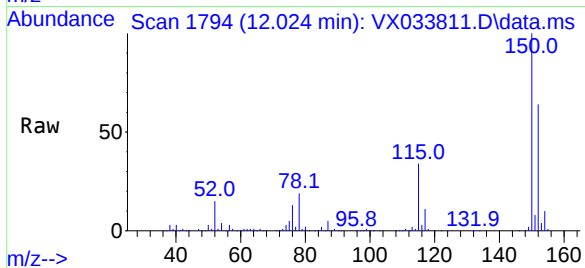
Tgt Ion: 117 Resp: 226315
Ion Ratio Lower Upper
117 100
82 50.5 40.6 60.8
119 32.5 25.6 38.4



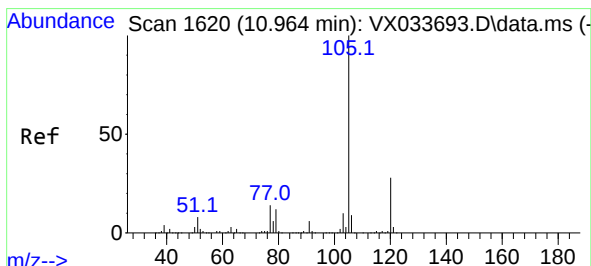
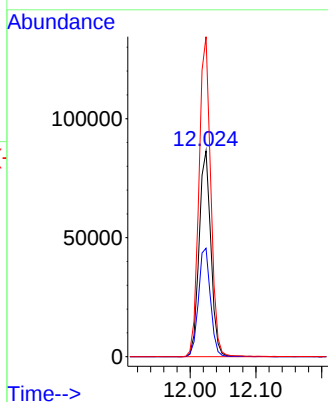
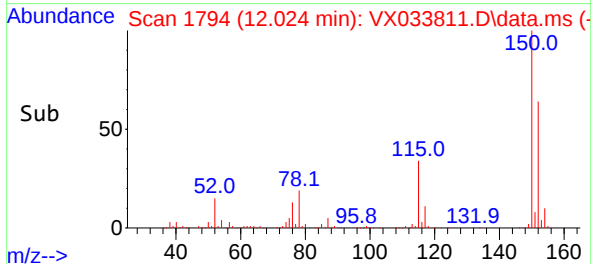


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03

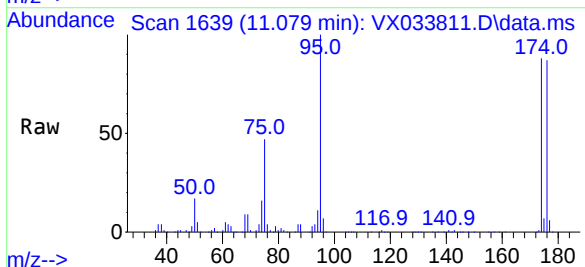
Instrument :
MSVOA_X
ClientSampleId :



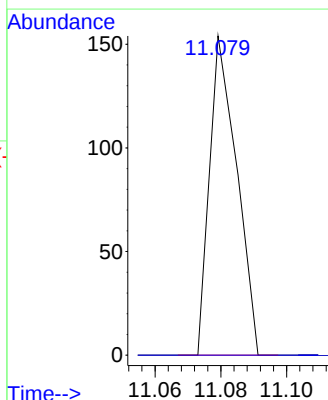
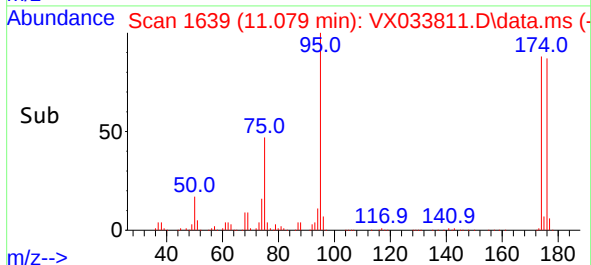
Tgt Ion:152 Resp: 107499
Ion Ratio Lower Upper
152 100
115 53.8 38.7 116.1
150 155.5 0.0 348.2

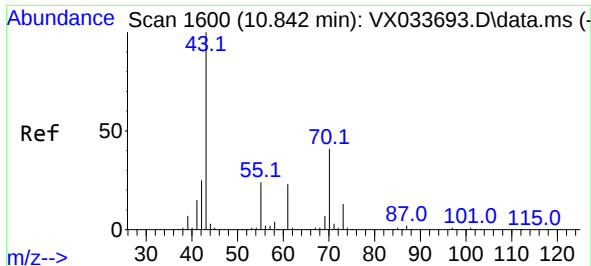


#73
Isopropylbenzene
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. 0.115 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03



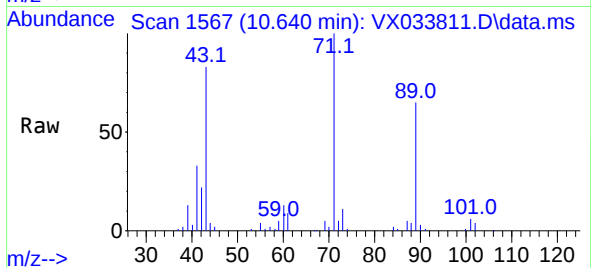
Tgt Ion:105 Resp: 88
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



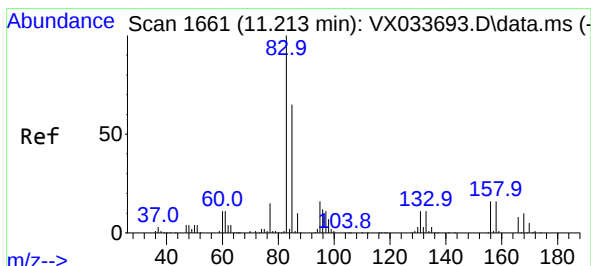
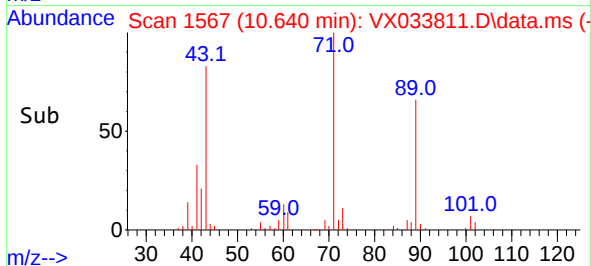
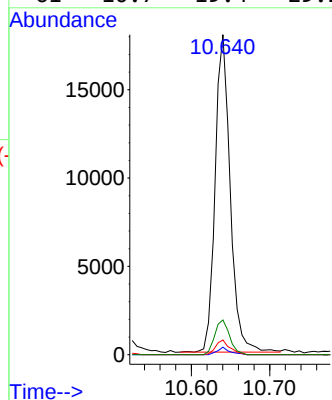


#74
N-amy1 acetate
Concen: 8.509 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.201 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03

Instrument :
MSVOA_X
ClientSampleId :

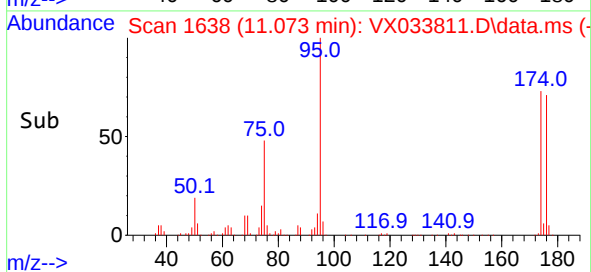
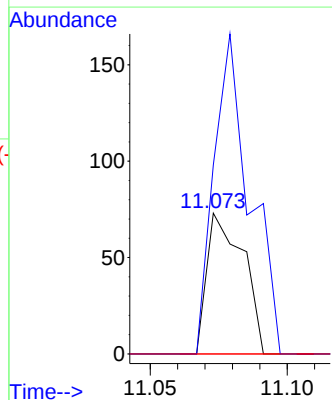
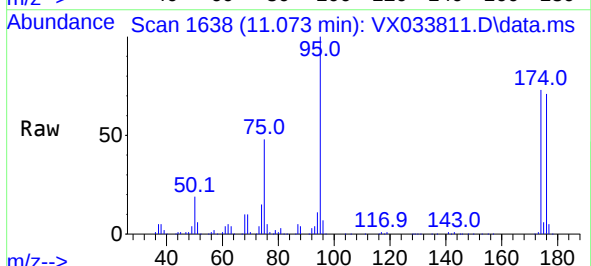


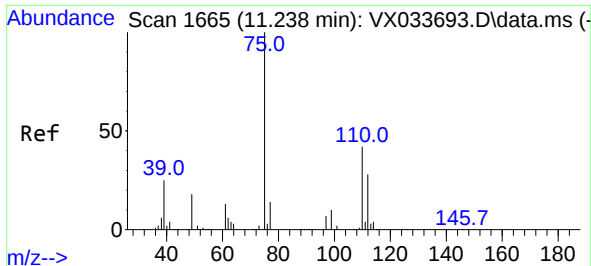
Tgt Ion: 43 Resp: 24019
Ion Ratio Lower Upper
43 100
70 1.9 34.8 52.2#
55 4.3 19.4 29.0#
61 10.7 19.4 29.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.073 min Scan# 1638
Delta R.T. -0.140 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03

Tgt Ion: 83 Resp: 67
Ion Ratio Lower Upper
83 100
131 225.4 5.5 16.7#
85 0.0 32.3 96.9#

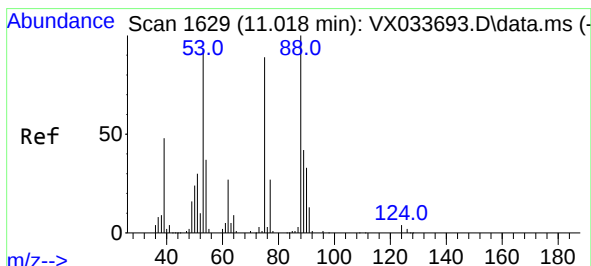
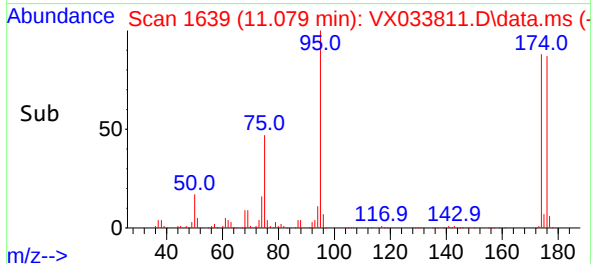
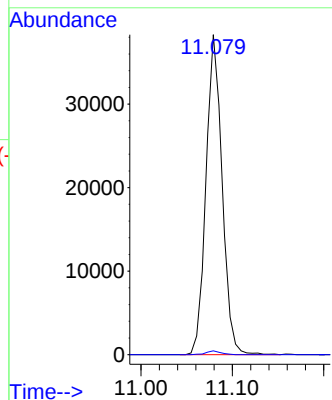
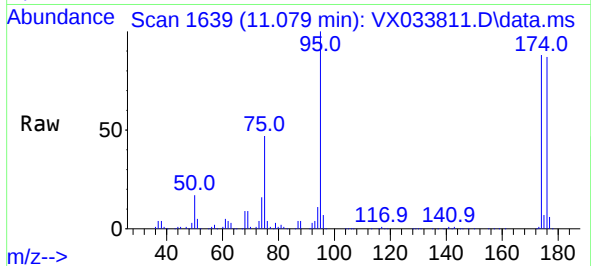




#76
1,2,3-Trichloropropane
Concen: 23.784 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 46976
Ion Ratio Lower Upper
75 100
77 1.1 21.8 65.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.917 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033811.D
Acq: 19 Jan 2023 19:03

Tgt Ion: 75 Resp: 46976
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#

