

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011923\
 Data File : VX033809.D
 Acq On : 19 Jan 2023 18:16
 Operator : JC/MD
 Sample : 01217-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

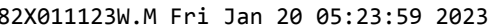
Instrument :
 MSVOA_X
 ClientSampleId :

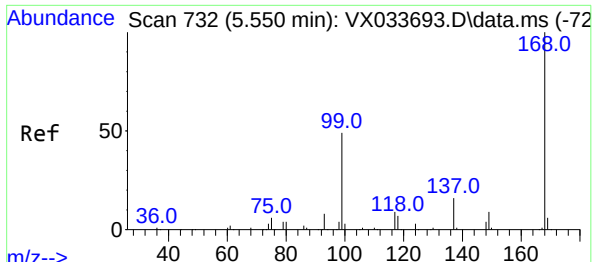
Quant Time: Jan 20 05:23:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	169912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	246817	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82321	46.015	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.020%
35) Dibromofluoromethane	5.385	113	74491	48.604	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.200%
50) Toluene-d8	8.647	98	281689	50.445	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.880%
62) 4-Bromofluorobenzene	11.079	95	95905	46.258	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.520%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.014	59	105	0.338	ug/l #	86
16) Acetone	2.392	43	23060	24.283	ug/l	92
17) Carbon Disulfide	2.520	76	99	1.850	ug/l #	76
18) Methyl Acetate	2.709	43	2523	1.011	ug/l	96
20) Methylene Chloride	2.794	84	5366	0.994	ug/l	90
25) 2-Butanone	4.581	43	3207	2.744	ug/l	94
29) Tetrahydrofuran	5.020	42	148	0.201	ug/l #	34
31) Cyclohexane	5.544	56	2684	1.020	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10123	4.526	ug/l #	49
37) Ethyl Acetate	4.715	43	24695	9.241	ug/l	99
38) Carbon Tetrachloride	5.550	117	14691	6.341	ug/l #	15
43) Isopropyl Acetate	6.336	43	104937	29.718	ug/l	99
48) Methyl methacrylate	7.793	41	88211	49.591	ug/l #	44
49) 1,4-Dioxane	7.800	88	199	5.058	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	80066	36.920	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	764	0.347	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	38388	15.582	ug/l #	60
56) Ethyl methacrylate	9.244	69	630	0.269	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4794	1.774	ug/l #	43
59) 2-Hexanone	9.482	43	65500	43.394	ug/l #	51
73) Isopropylbenzene	11.079	105	81	Below Cal	#	48
74) N-amyl acetate	10.640	43	24158	9.218	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	44187	24.096	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	44187	74.888	ug/l #	8

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

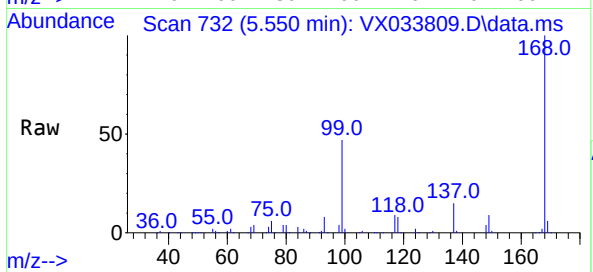
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration



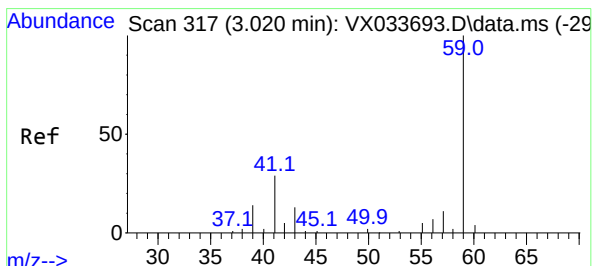
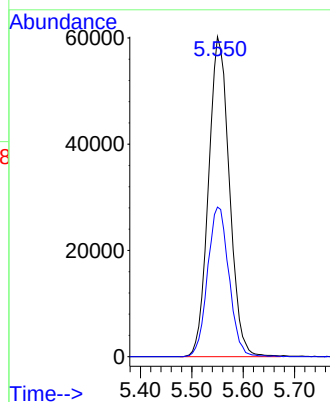
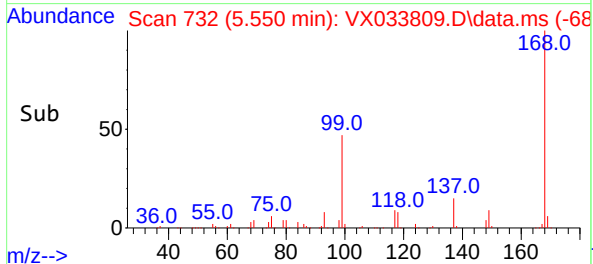


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

Instrument :
MSVOA_X
ClientSampleId :

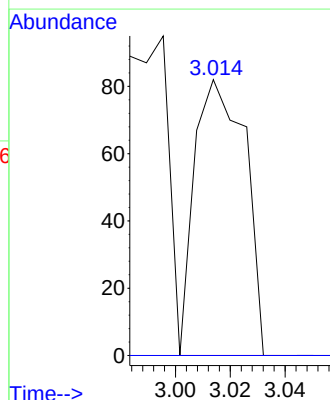
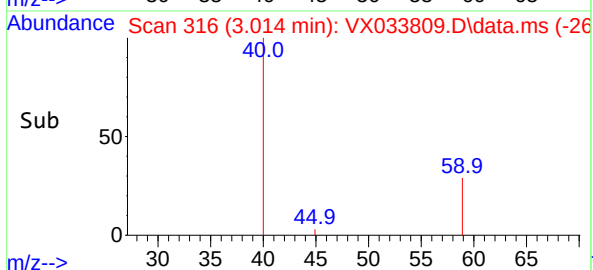
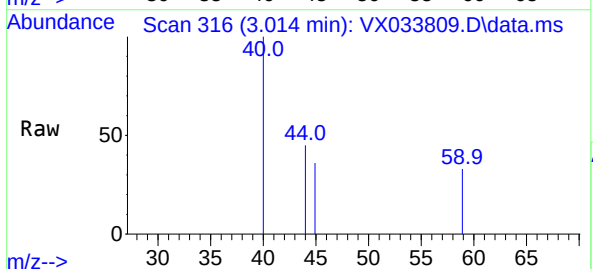


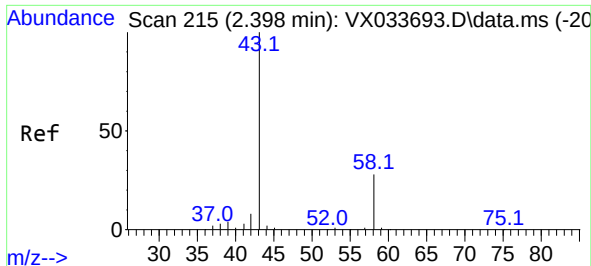
Tgt Ion:168 Resp: 169912
Ion Ratio Lower Upper
168 100
99 46.8 39.6 59.4



#11
Tert butyl alcohol
Concen: 0.338 ug/l
RT: 3.014 min Scan# 316
Delta R.T. -0.006 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

Tgt Ion: 59 Resp: 105
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

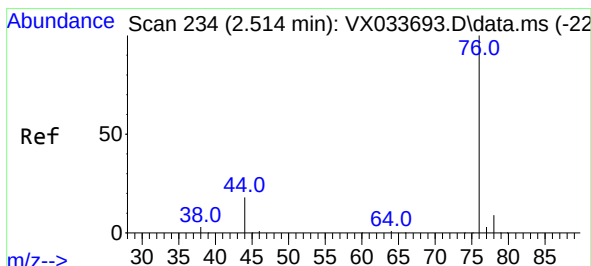
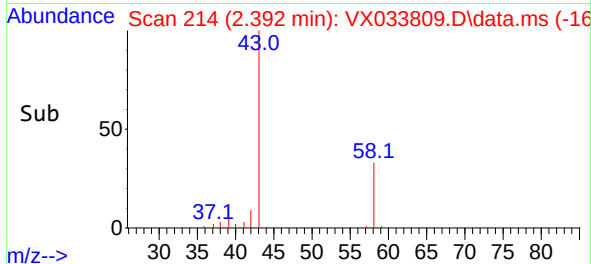
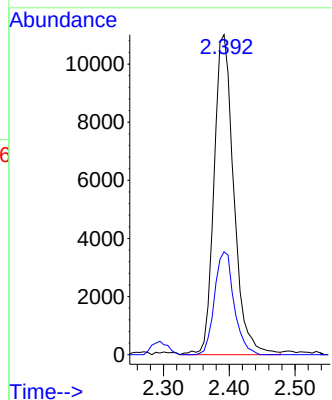
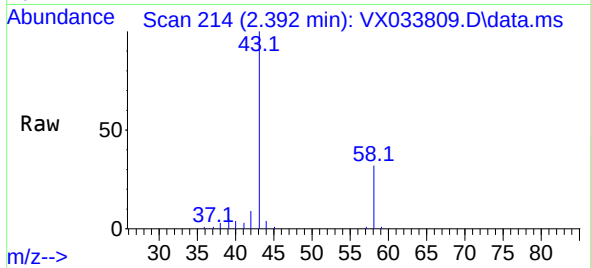




#16
Acetone
Concen: 24.283 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

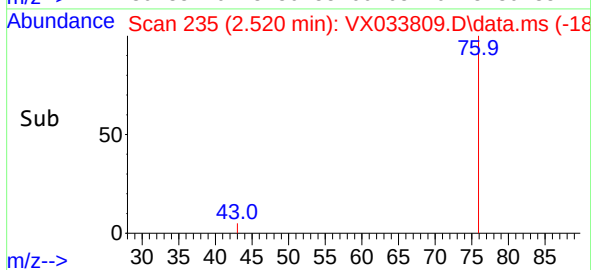
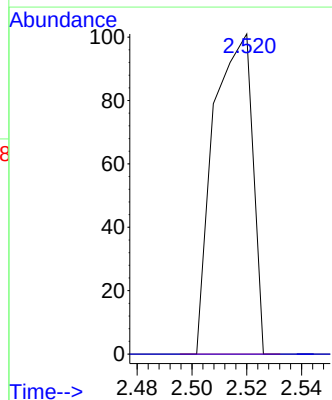
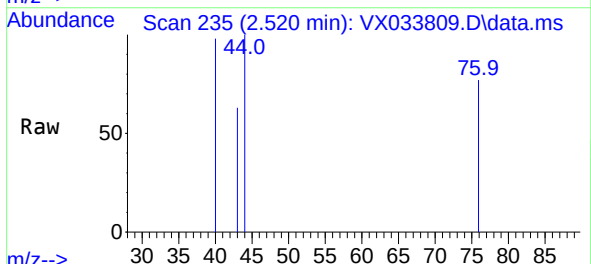
Instrument :
MSVOA_X
ClientSampleId :

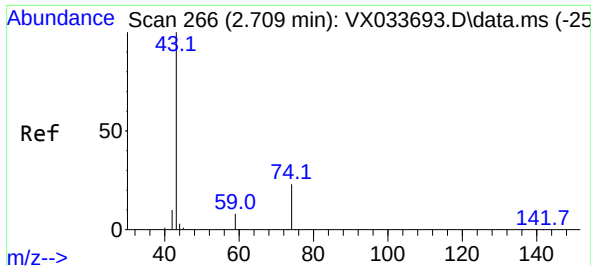
Tgt Ion: 43 Resp: 23060
Ion Ratio Lower Upper
43 100
58 32.2 22.6 33.8



#17
Carbon Disulfide
Concen: 1.850 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

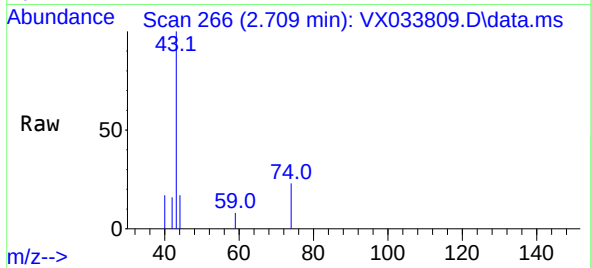
Tgt Ion: 76 Resp: 99
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



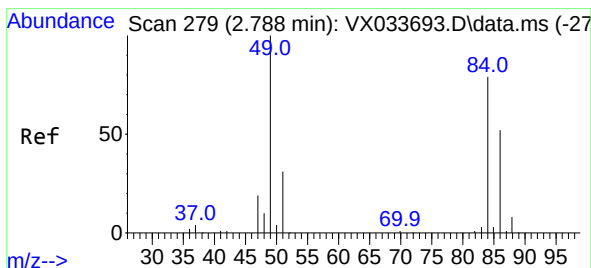
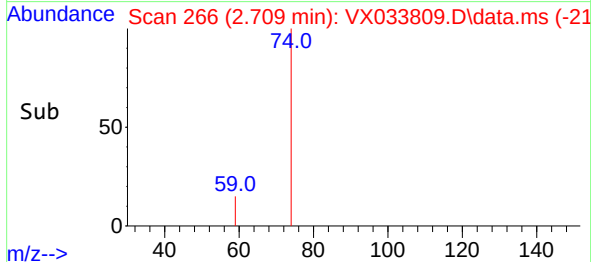
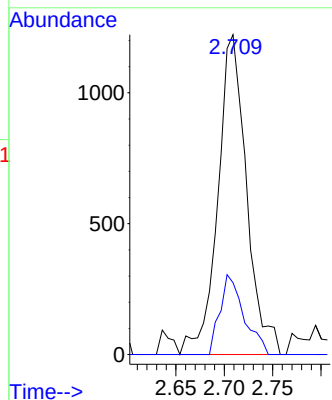


#18
Methyl Acetate
Concen: 1.011 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

Instrument :
MSVOA_X
ClientSampleId :

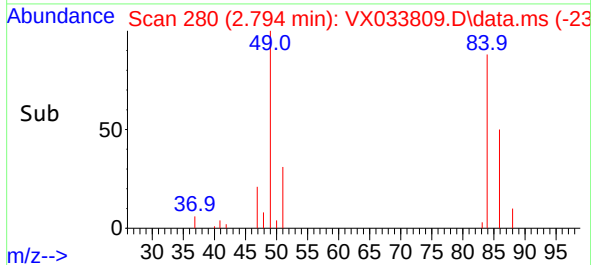
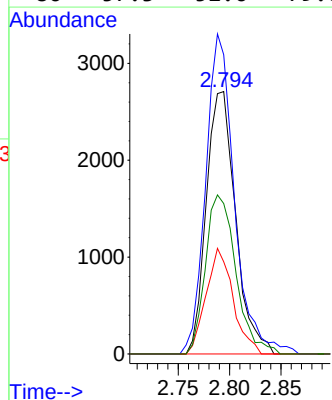
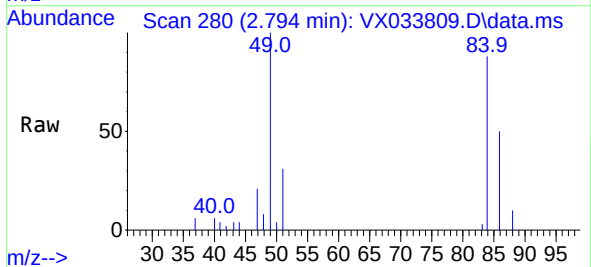


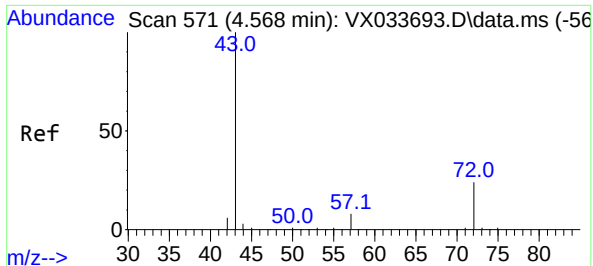
Tgt Ion: 43 Resp: 2523
Ion Ratio Lower Upper
43 100
74 20.8 18.2 27.4



#20
Methylene Chloride
Concen: 0.994 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

Tgt Ion: 84 Resp: 5366
Ion Ratio Lower Upper
84 100
49 114.0 101.1 151.7
51 35.1 31.0 46.6
86 57.3 52.6 79.0

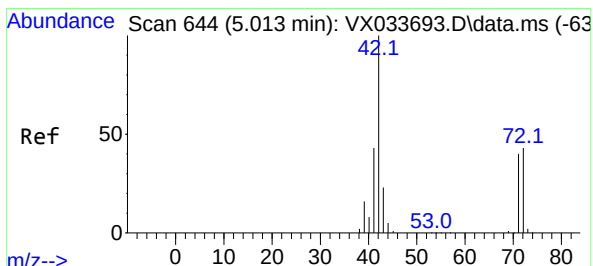
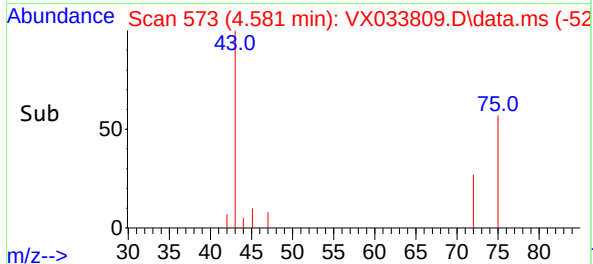
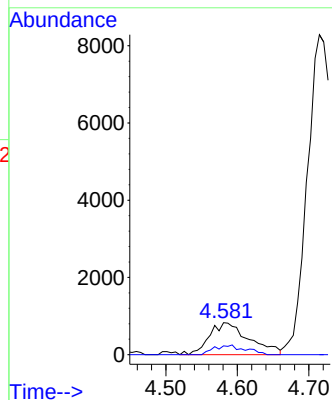
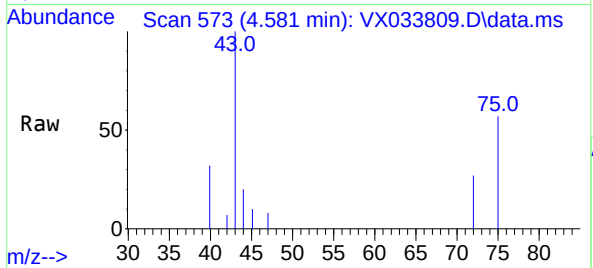




#25
2-Butanone
Concen: 2.744 ug/l
RT: 4.581 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

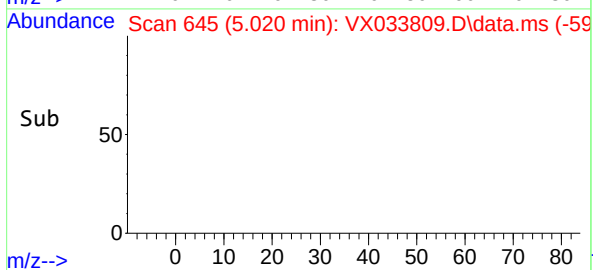
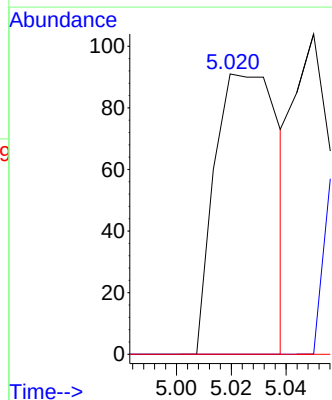
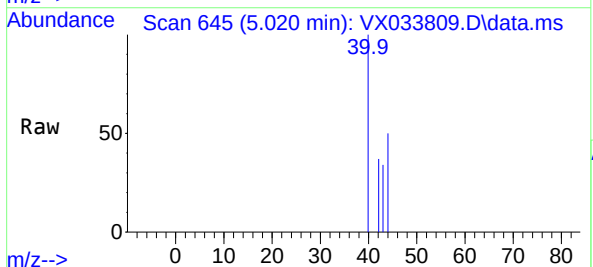
Instrument :
MSVOA_X
ClientSampleId :

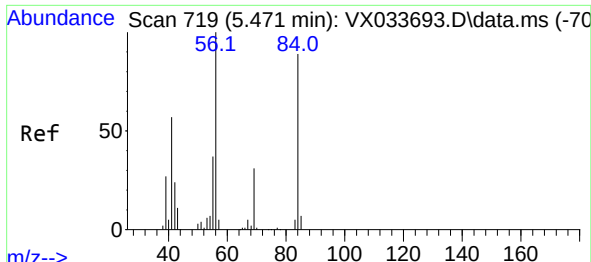
Tgt Ion: 43 Resp: 3207
Ion Ratio Lower Upper
43 100
72 27.4 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.201 ug/l
RT: 5.020 min Scan# 645
Delta R.T. 0.006 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

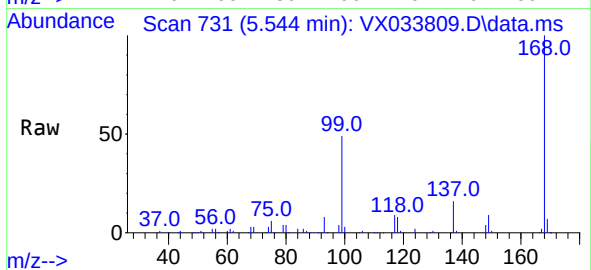
Tgt Ion: 42 Resp: 148
Ion Ratio Lower Upper
42 100
72 0.0 34.8 52.2#
71 0.0 32.2 48.2#



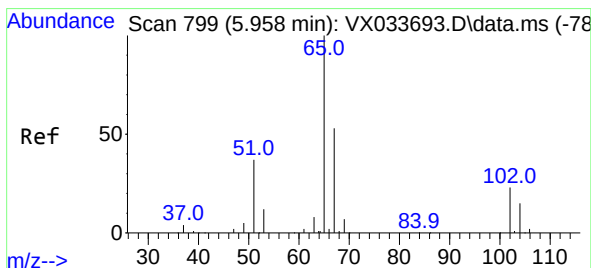
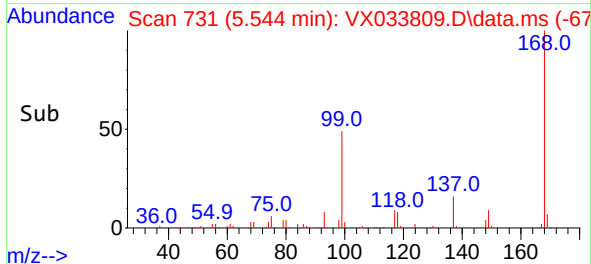
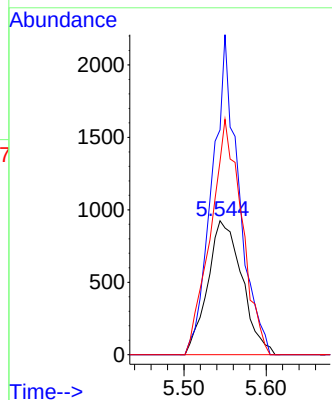


#31
Cyclohexane
Concen: 1.020 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

Instrument :
MSVOA_X
ClientSampleId :

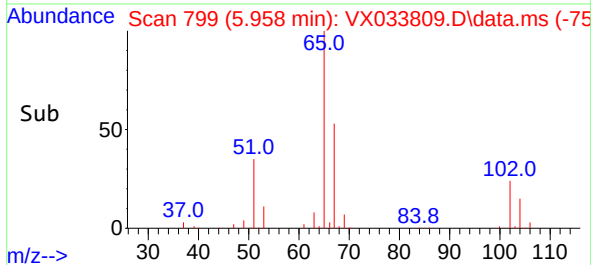
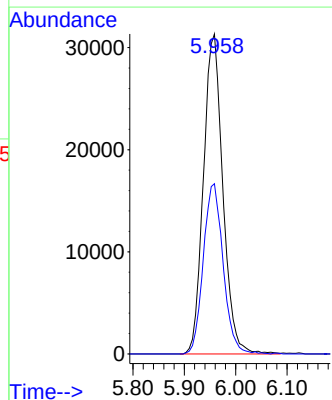
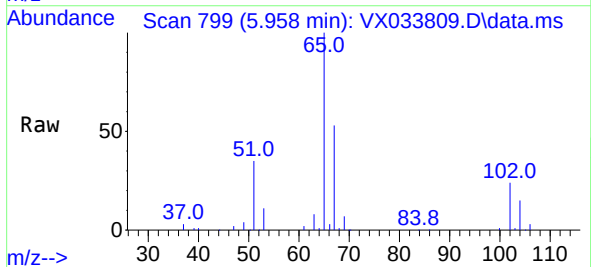


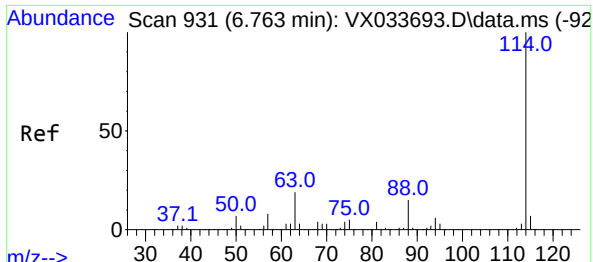
Tgt Ion: 56 Resp: 2684
Ion Ratio Lower Upper
56 100
69 167.8 24.6 37.0#
84 144.4 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 46.015 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

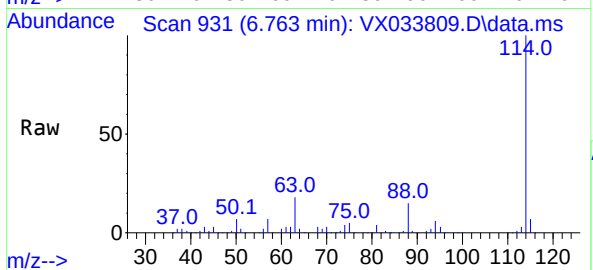
Tgt Ion: 65 Resp: 82321
Ion Ratio Lower Upper
65 100
67 54.3 0.0 104.8



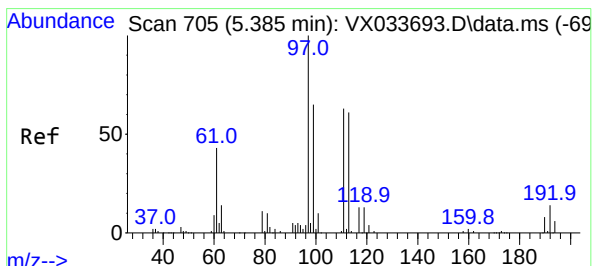
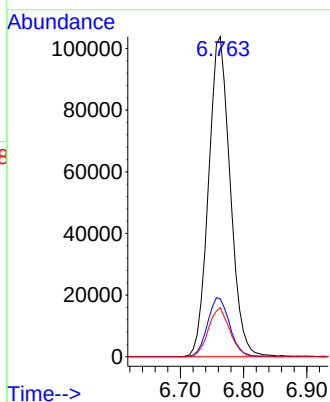
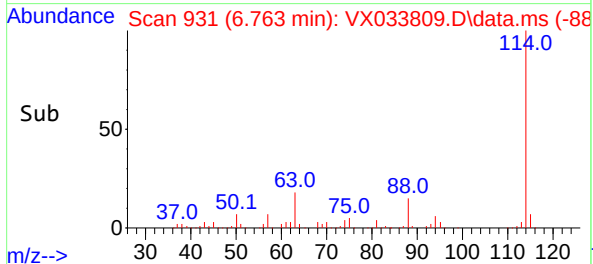


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

Instrument :
MSVOA_X
ClientSampleId :

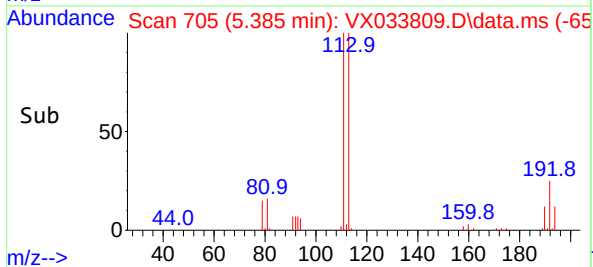
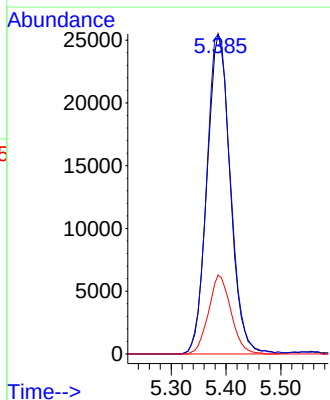
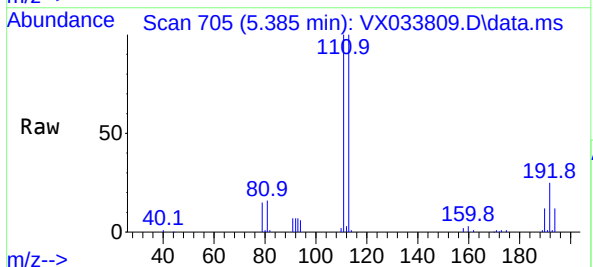


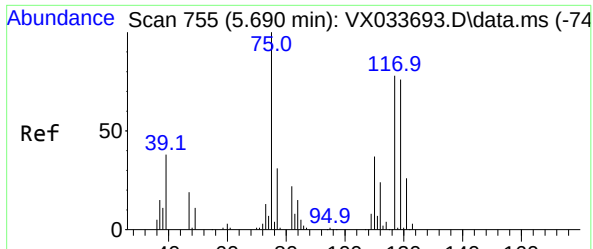
Tgt Ion:114 Resp: 246817
Ion Ratio Lower Upper
114 100
63 18.1 0.0 37.4
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.604 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

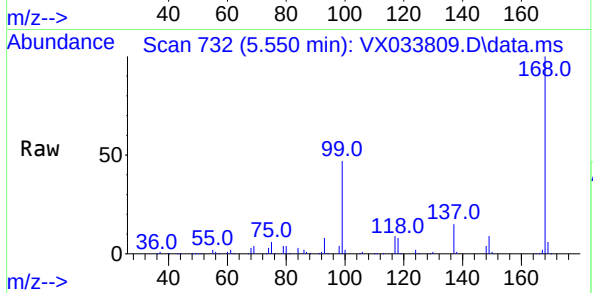
Tgt Ion:113 Resp: 74491
Ion Ratio Lower Upper
113 100
111 102.5 83.0 124.6
192 23.9 19.0 28.4



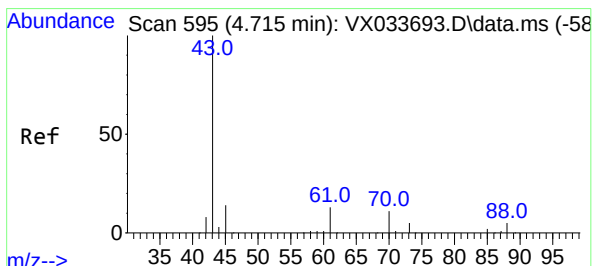
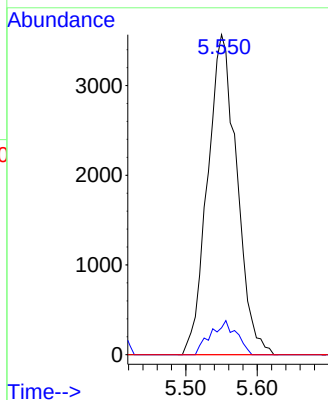
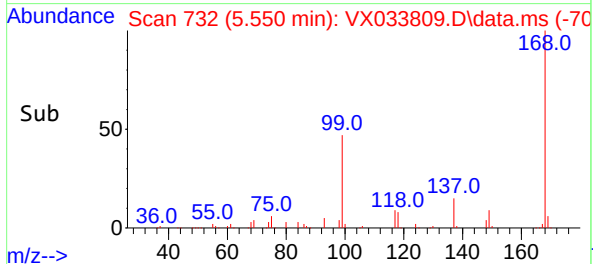


#36
1,1-Dichloropropene
Concen: 4.526 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

Instrument :
MSVOA_X
ClientSampleId :

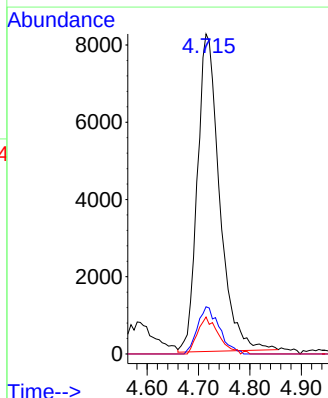
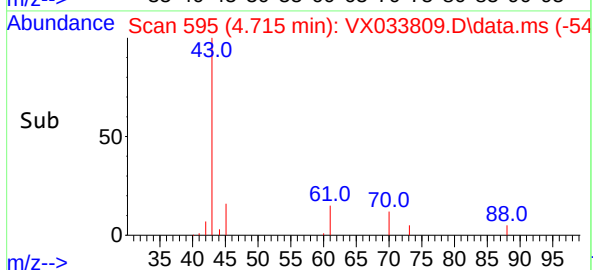
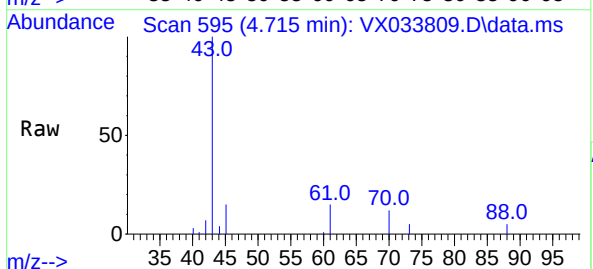


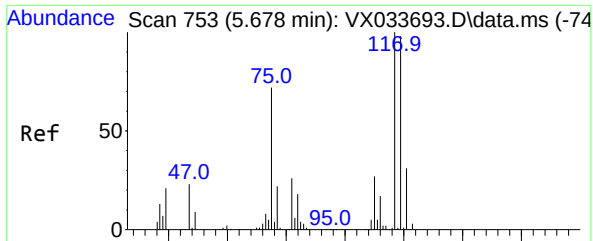
Tgt Ion: 75 Resp: 10123
Ion Ratio Lower Upper
75 100
110 9.4 18.8 56.4#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 9.241 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

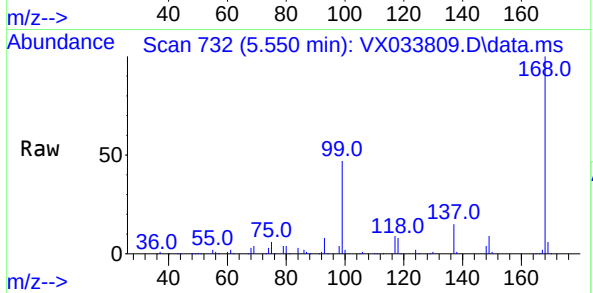
Tgt Ion: 43 Resp: 24695
Ion Ratio Lower Upper
43 100
61 14.7 11.1 16.7
70 10.9 8.5 12.7



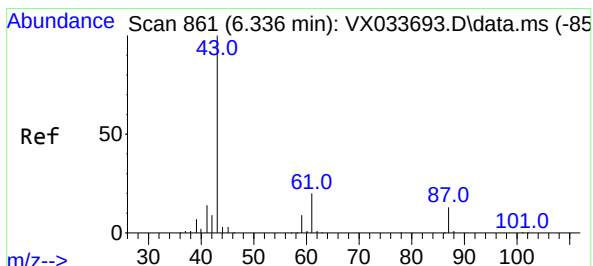
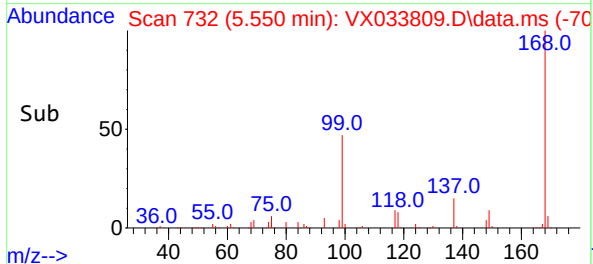
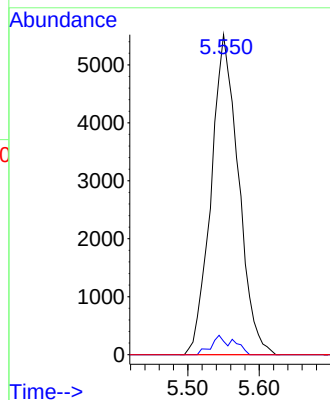


#38
Carbon Tetrachloride
Concen: 6.341 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

Instrument :
MSVOA_X
ClientSampleId :

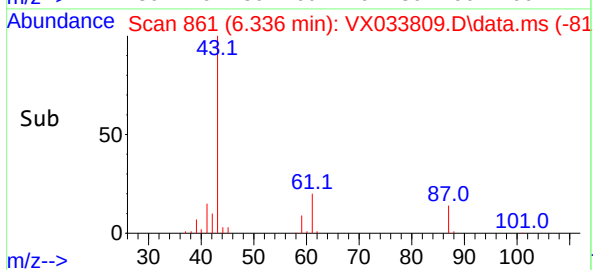
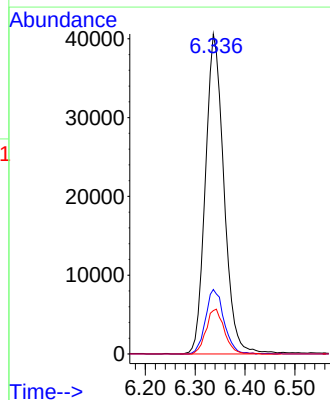
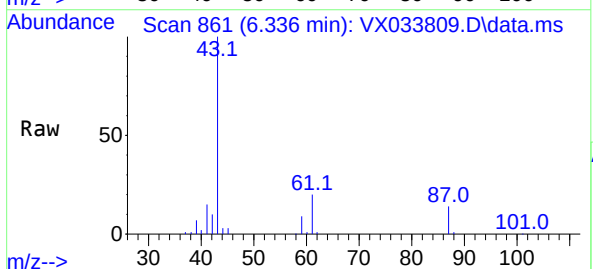


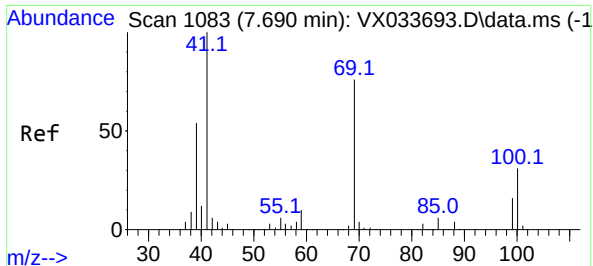
Tgt Ion:117 Resp: 14691
Ion Ratio Lower Upper
117 100
119 4.2 78.0 117.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 29.718 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

Tgt Ion: 43 Resp: 104937
Ion Ratio Lower Upper
43 100
61 20.1 15.7 23.5
87 13.8 10.6 15.8

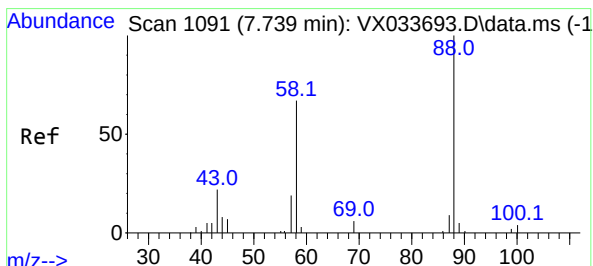
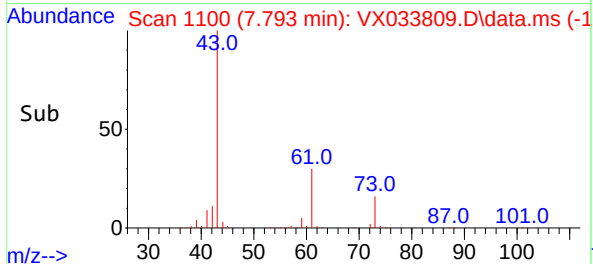
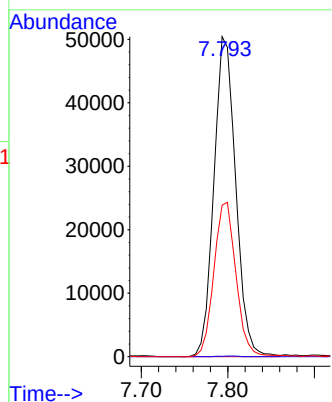
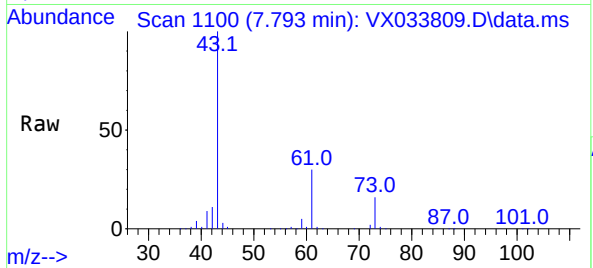




#48
Methyl methacrylate
Concen: 49.591 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

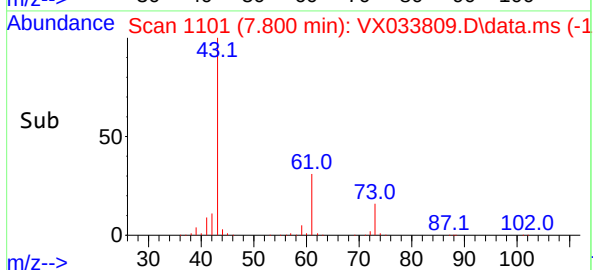
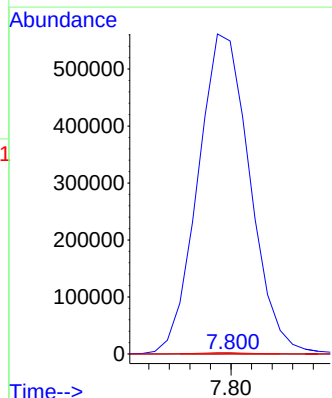
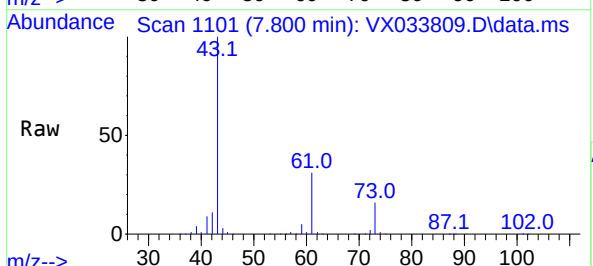
Instrument :
MSVOA_X
ClientSampleId :

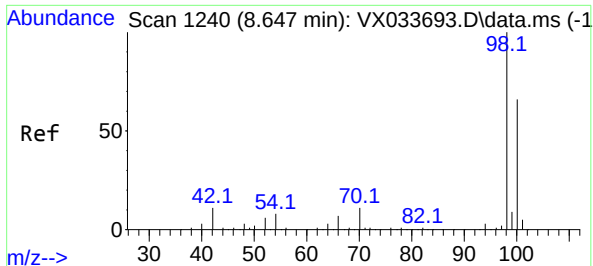
Tgt Ion: 41 Resp: 88211
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 49.0 43.2 64.8



#49
1,4-Dioxane
Concen: 5.058 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.061 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

Tgt Ion: 88 Resp: 199
Ion Ratio Lower Upper
88 100
43 499811.6 0.0 0.0#
58 1982.4 56.5 84.7#

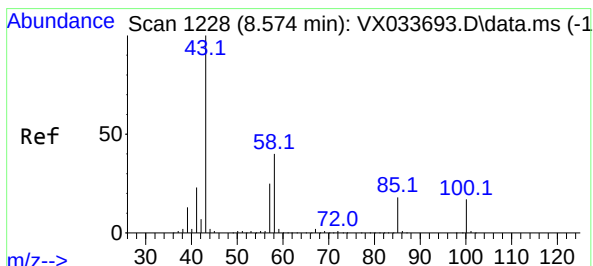
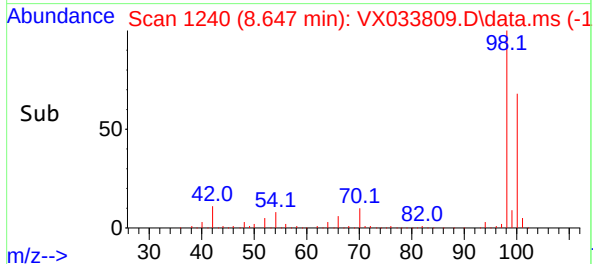
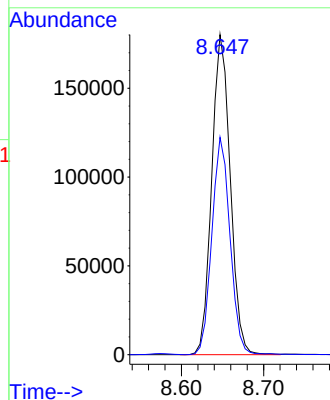
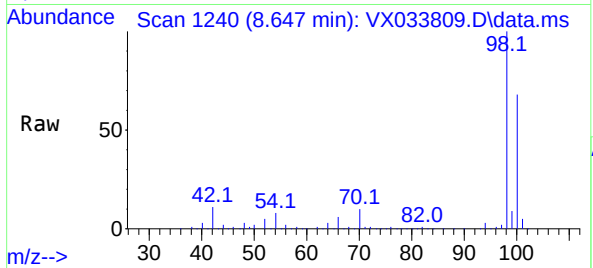




#50
Toluene-d8
Concen: 50.445 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

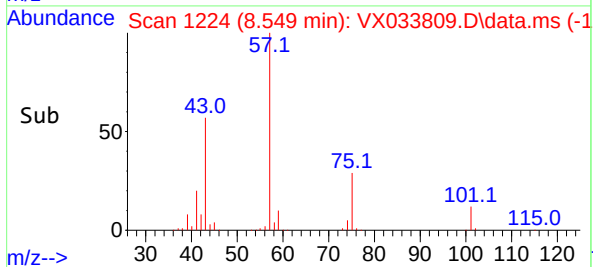
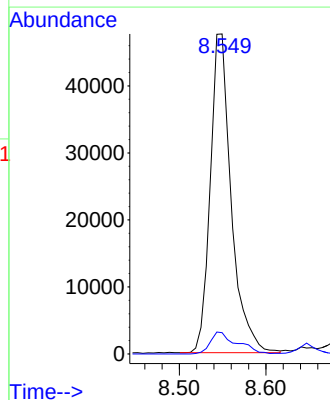
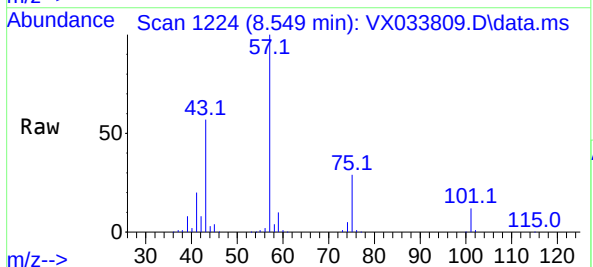
Instrument :
MSVOA_X
ClientSampleId :

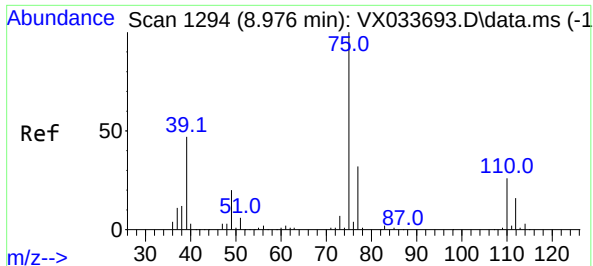
Tgt Ion: 98 Resp: 281689
Ion Ratio Lower Upper
98 100
100 66.9 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 36.920 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

Tgt Ion: 43 Resp: 80066
Ion Ratio Lower Upper
43 100
58 8.9 31.2 46.8#





#53

t-1,3-Dichloropropene

Concen: 0.347 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX033809.D

Acq: 19 Jan 2023 18:16

Instrument :

MSVOA_X

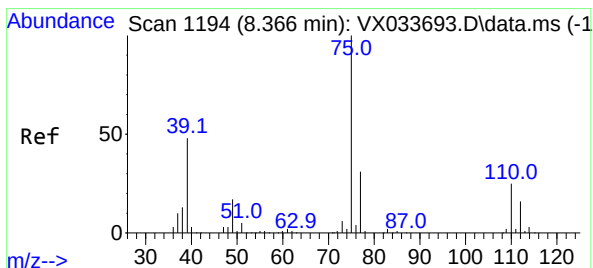
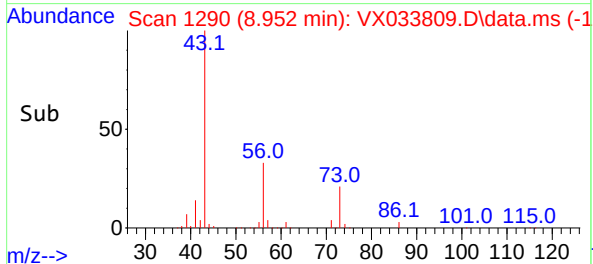
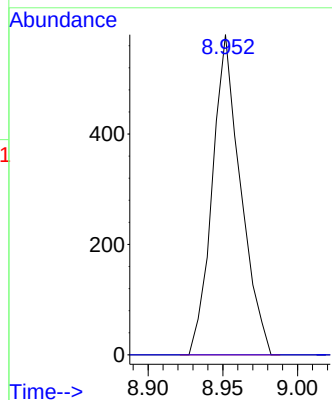
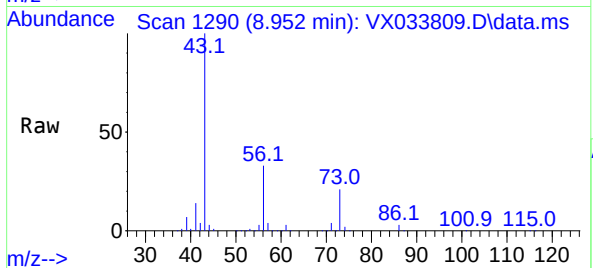
ClientSampleId :

Tgt Ion: 75 Resp: 764

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#



#54

cis-1,3-Dichloropropene

Concen: 15.582 ug/l

RT: 8.543 min Scan# 1223

Delta R.T. 0.177 min

Lab File: VX033809.D

Acq: 19 Jan 2023 18:16

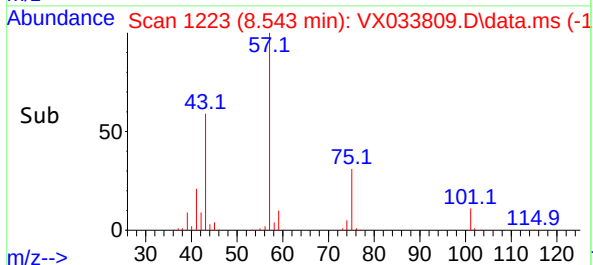
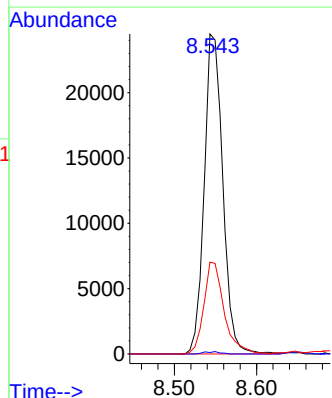
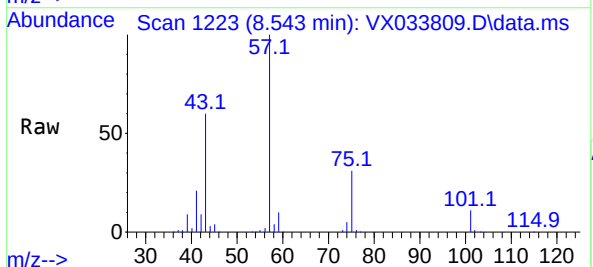
Tgt Ion: 75 Resp: 38388

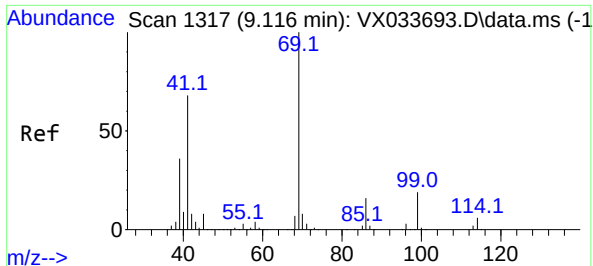
Ion Ratio Lower Upper

75 100

77 0.5 25.0 37.6#

39 28.7 38.6 58.0#





#56

Ethyl methacrylate

Concen: 0.269 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.128 min

Lab File: VX033809.D

Acq: 19 Jan 2023 18:16

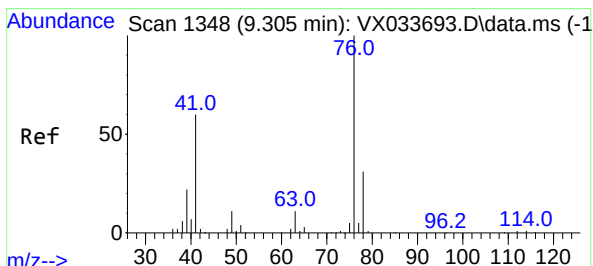
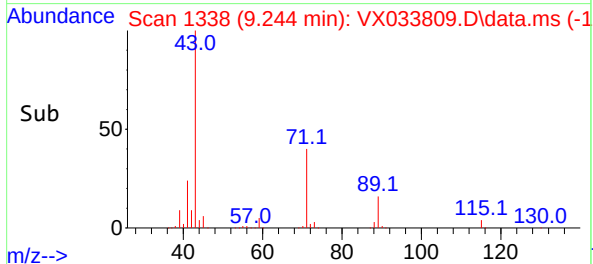
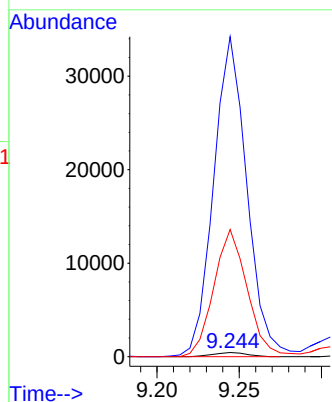
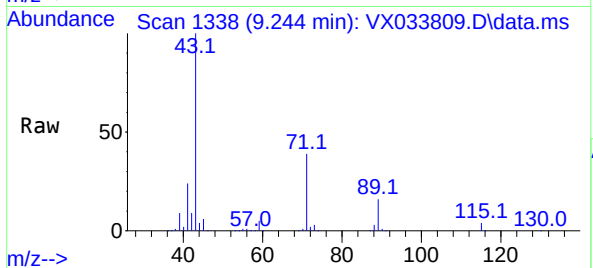
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 69 Resp: 630

Ion	Ratio	Lower	Upper
69	100		
41	7673.5	55.1	82.7#
39	3063.2	28.5	42.7#



#57

1,3-Dichloropropane

Concen: 1.774 ug/l

RT: 9.482 min Scan# 1377

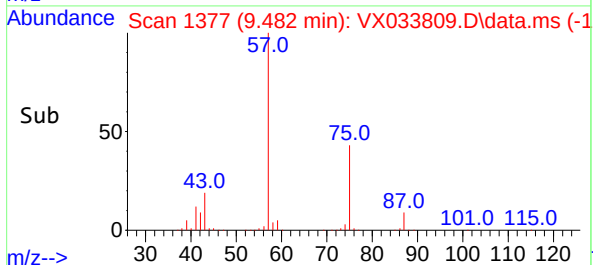
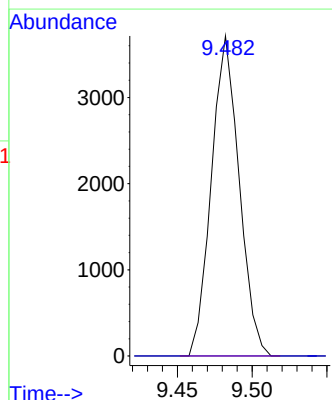
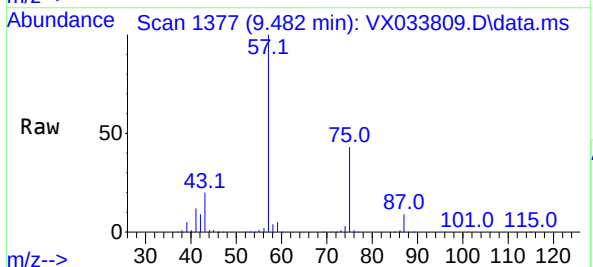
Delta R.T. 0.177 min

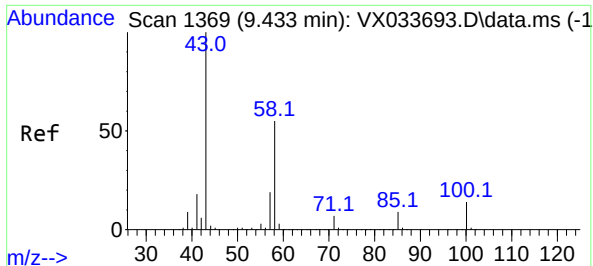
Lab File: VX033809.D

Acq: 19 Jan 2023 18:16

Tgt Ion: 76 Resp: 4794

Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.6	38.4#





#59

2-Hexanone

Concen: 43.394 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX033809.D

Acq: 19 Jan 2023 18:16

Instrument :

MSVOA_X

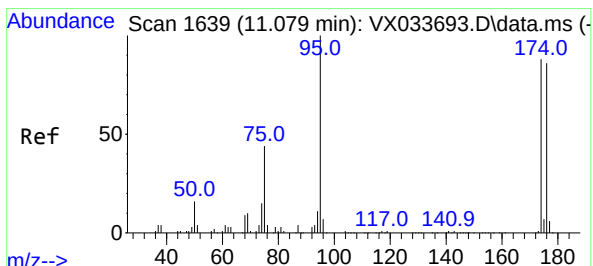
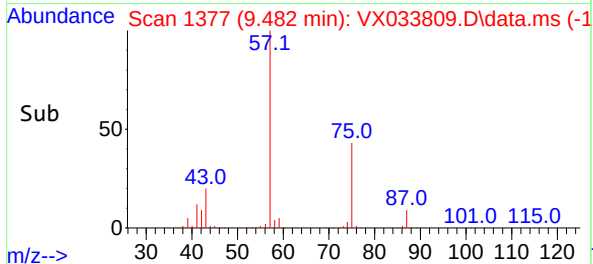
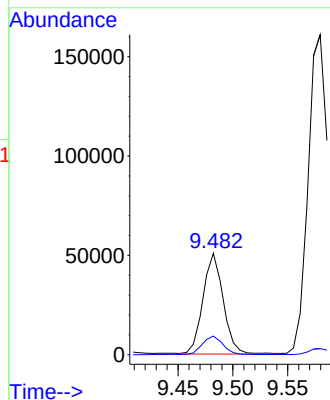
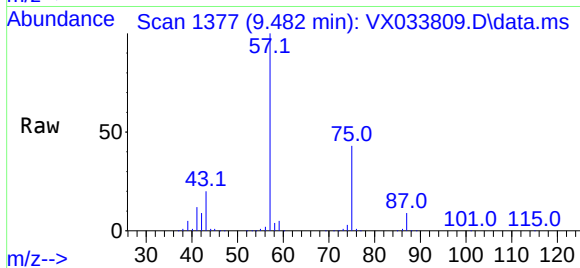
ClientSampleId :

Tgt Ion: 43 Resp: 65500

Ion Ratio Lower Upper

43 100

58 19.4 27.4 82.0#



#62

4-Bromofluorobenzene

Concen: 46.258 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX033809.D

Acq: 19 Jan 2023 18:16

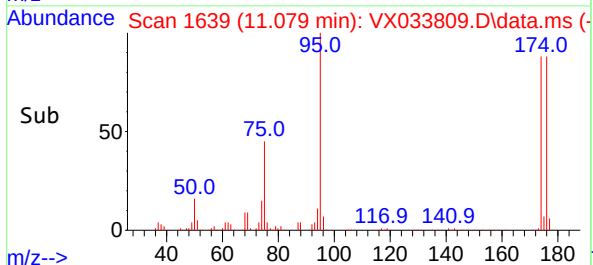
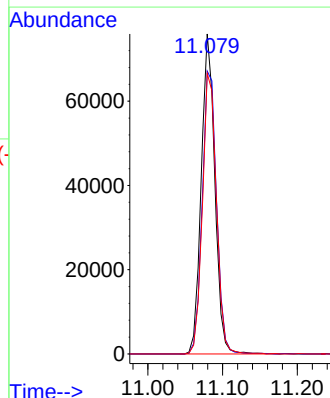
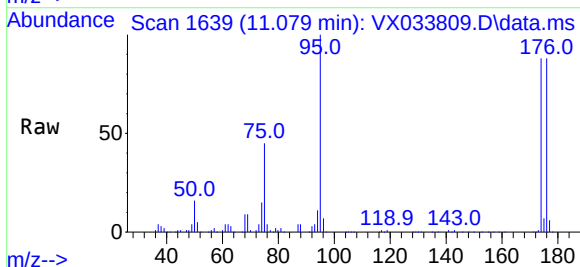
Tgt Ion: 95 Resp: 95905

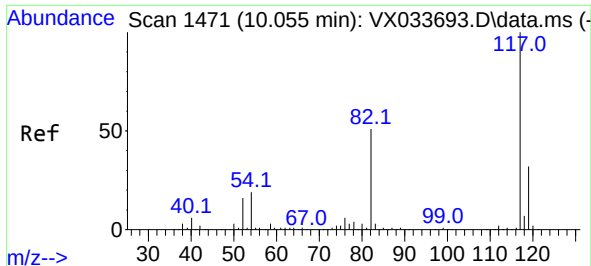
Ion Ratio Lower Upper

95 100

174 93.1 0.0 184.4

176 90.4 0.0 178.8

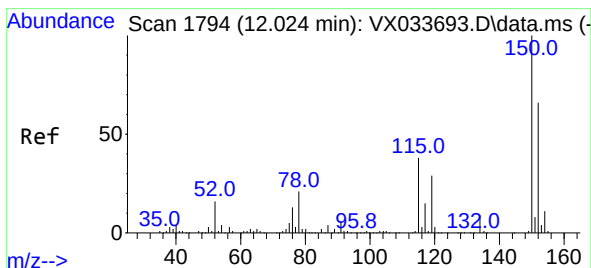
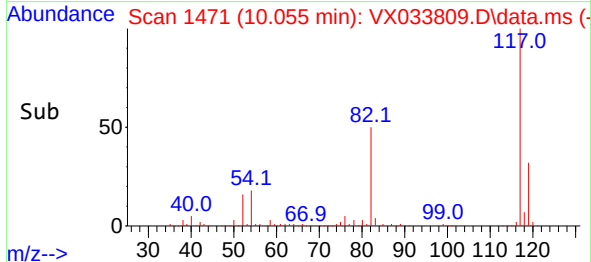
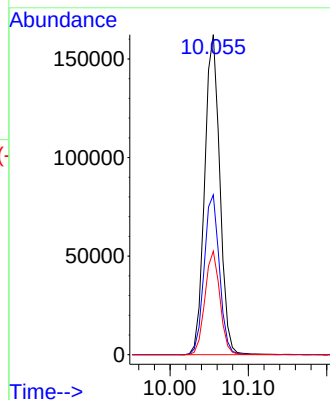
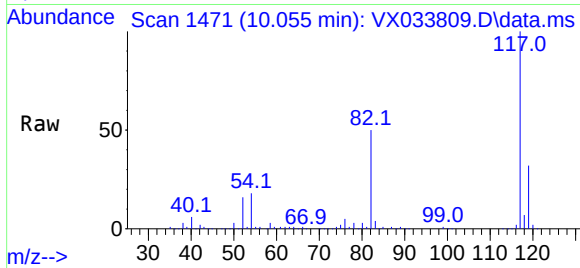




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

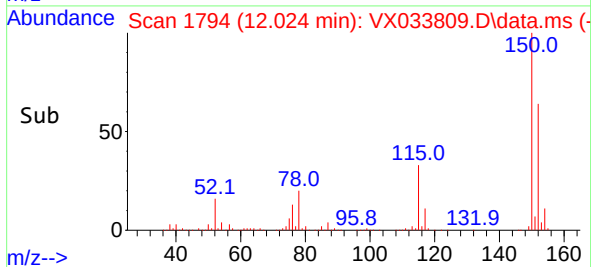
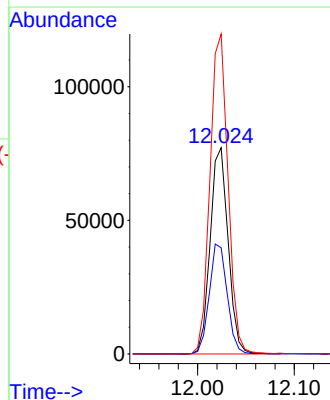
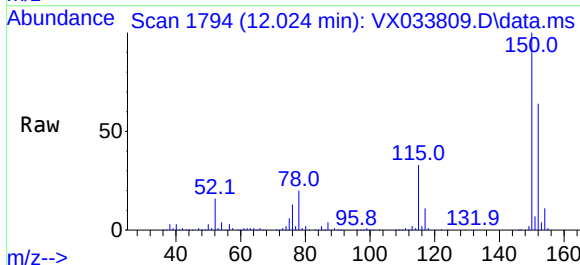
Instrument :
MSVOA_X
ClientSampleId :

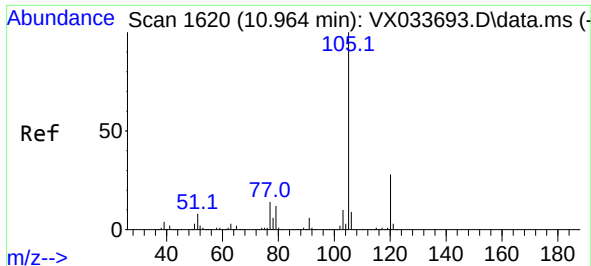
Tgt Ion:117 Resp: 217742
Ion Ratio Lower Upper
117 100
82 50.0 40.6 60.8
119 32.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

Tgt Ion:152 Resp: 99806
Ion Ratio Lower Upper
152 100
115 53.4 38.7 116.1
150 155.7 0.0 348.2

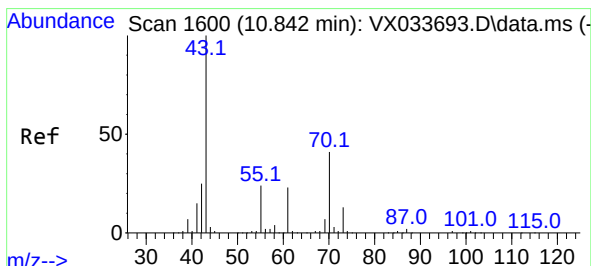
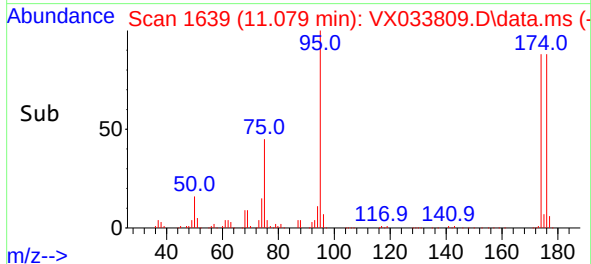
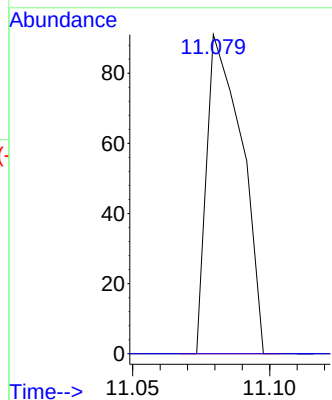
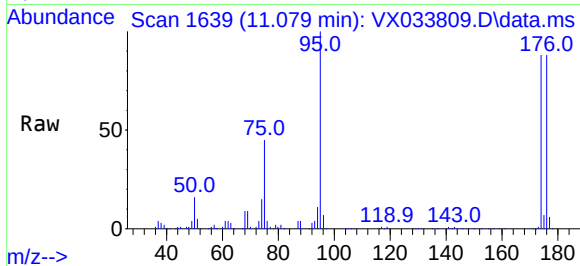




#73
Isopropylbenzene
Concen: Below Cal
RT: 11.079 min Scan# 11
Delta R.T. 0.115 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

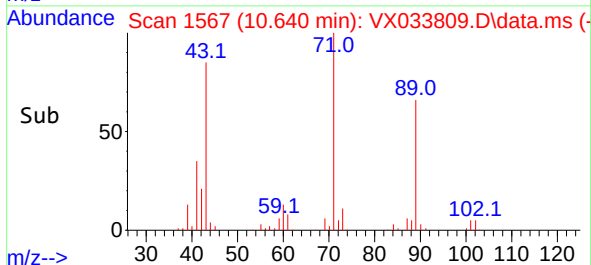
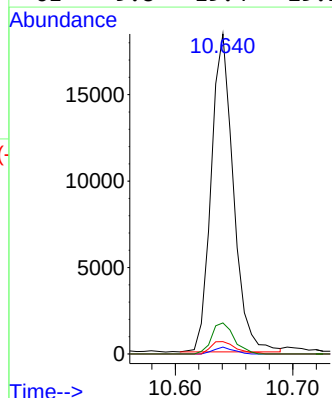
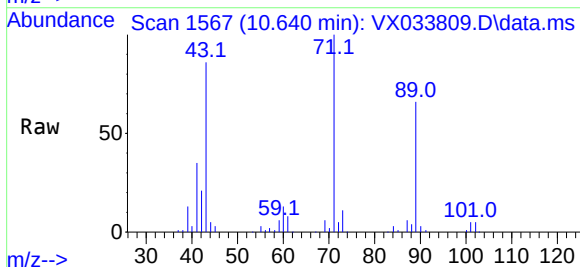
Instrument :
MSVOA_X
ClientSampleId :

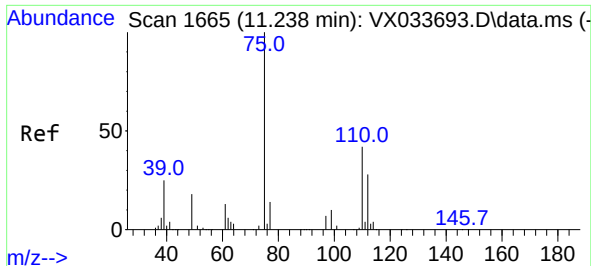
Tgt Ion:105 Resp: 81
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



#74
N-ethyl acetate
Concen: 9.218 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

Tgt Ion: 43 Resp: 24158
Ion Ratio Lower Upper
43 100
70 1.9 34.8 52.2#
55 4.4 19.4 29.0#
61 9.8 19.4 29.2#

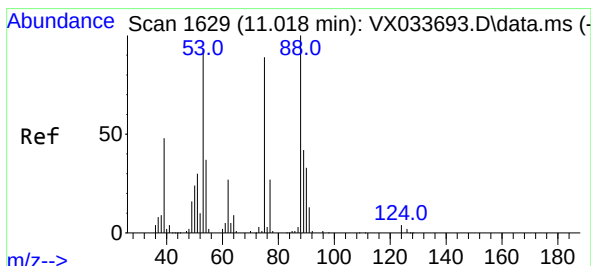
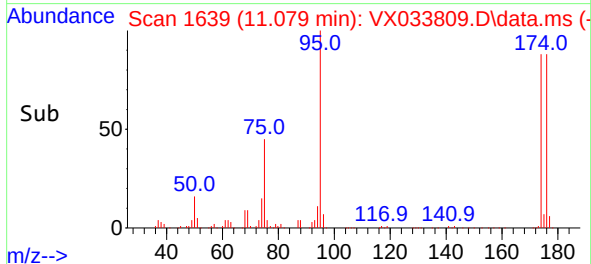
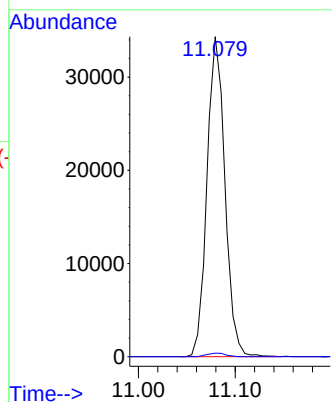
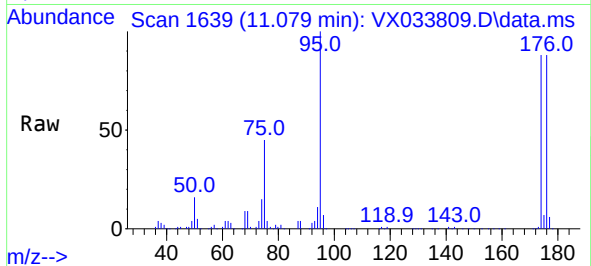




#76
1,2,3-Trichloropropane
Concen: 24.096 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 44187
Ion Ratio Lower Upper
75 100
77 1.1 21.8 65.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.888 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033809.D
Acq: 19 Jan 2023 18:16

Tgt Ion: 75 Resp: 44187
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#

