

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011923\
 Data File : VX033801.D
 Acq On : 19 Jan 2023 15:11
 Operator : JC/MD
 Sample : PB150330ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

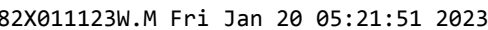
Quant Time: Jan 20 05:21:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

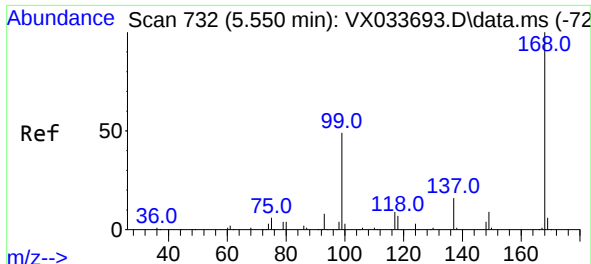
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	175454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	252711	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	223862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86624	46.890	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.780%		
35) Dibromofluoromethane	5.385	113	77525	49.404	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.800%		
50) Toluene-d8	8.647	98	292165	51.101	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.200%		
62) 4-Bromofluorobenzene	11.079	95	99157	46.711	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.420%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.319	50	360	0.231	ug/l #	43
11) Tert butyl alcohol	2.940	59	1869	5.824	ug/l #	86
16) Acetone	2.392	43	23779	24.231	ug/l	98
17) Carbon Disulfide	2.514	76	227	1.883	ug/l #	76
18) Methyl Acetate	2.709	43	2672	1.036	ug/l	92
20) Methylene Chloride	2.788	84	4509	0.318	ug/l	89
25) 2-Butanone	4.574	43	3135	2.597	ug/l	93
29) Tetrahydrofuran	5.044	42	234	0.308	ug/l #	34
31) Cyclohexane	5.544	56	2628	0.967	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10406	4.544	ug/l #	49
37) Ethyl Acetate	4.715	43	26999	10.073	ug/l	99
38) Carbon Tetrachloride	5.556	117	14810	6.244	ug/l #	15
43) Isopropyl Acetate	6.336	43	114579	31.691	ug/l	99
48) Methyl methacrylate	7.799	41	97828	53.715	ug/l #	43
49) 1,4-Dioxane	7.799	88	131	3.252	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	88991	40.078	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	777	0.345	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	42803	16.969	ug/l #	59
56) Ethyl methacrylate	9.238	69	698	0.291	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	5464	1.975	ug/l #	43
59) 2-Hexanone	9.482	43	75155	48.630	ug/l #	50
73) Isopropylbenzene	11.079	105	111	Below Cal	#	48
74) N-amyl acetate	10.640	43	28895	10.593	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	46154	24.182	ug/l #	34
79) 2-Chlorotoluene	11.372	91	21	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	46154	75.155	ug/l #	8
82) 4-Chlorotoluene	11.457	91	136	Below Cal	#	43

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

Quant Time: Jan 20 05:21:43 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

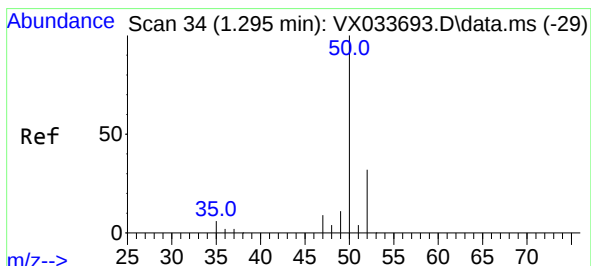
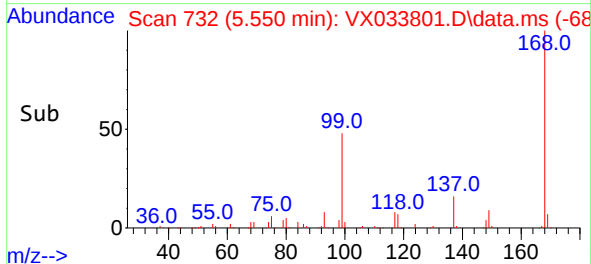
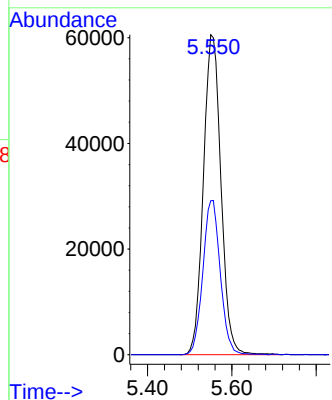
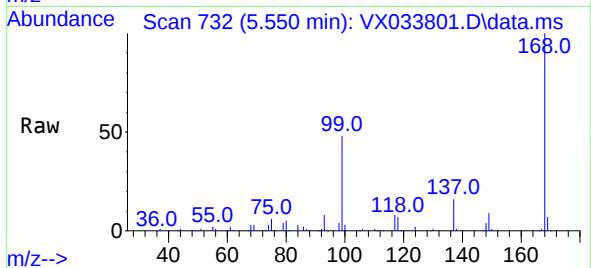




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

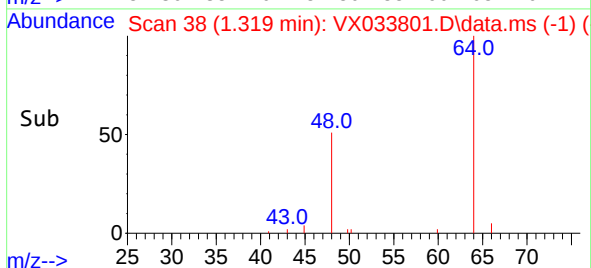
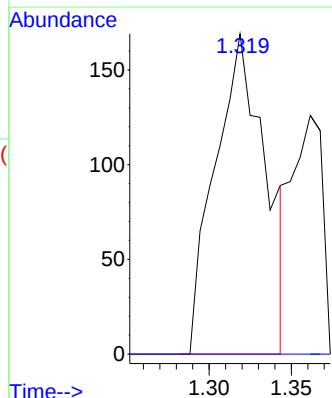
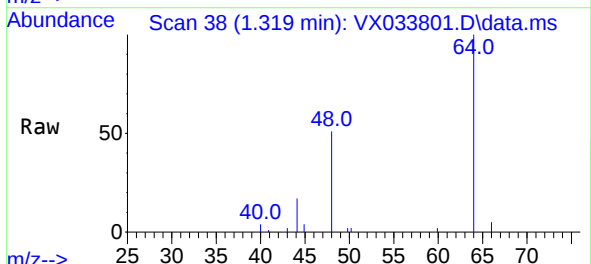
Instrument :
MSVOA_X
ClientSampleId :

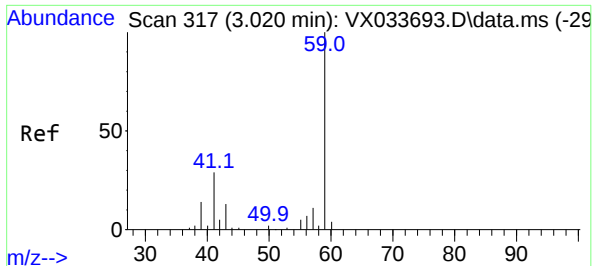
Tgt Ion:168 Resp: 175454
Ion Ratio Lower Upper
168 100
99 48.1 39.6 59.4



#3
Chloromethane
Concen: 0.231 ug/l
RT: 1.319 min Scan# 38
Delta R.T. 0.024 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

Tgt Ion: 50 Resp: 360
Ion Ratio Lower Upper
50 100
52 0.0 25.2 37.8#





#11

Tert butyl alcohol

Concen: 5.824 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.079 min

Lab File: VX033801.D

Acq: 19 Jan 2023 15:11

Instrument :

MSVOA_X

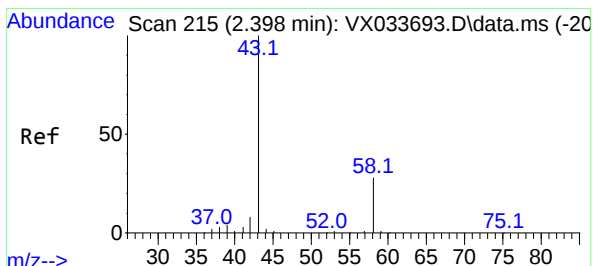
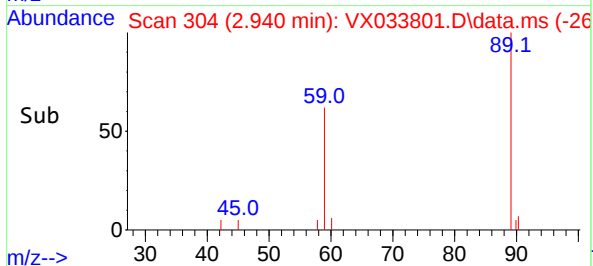
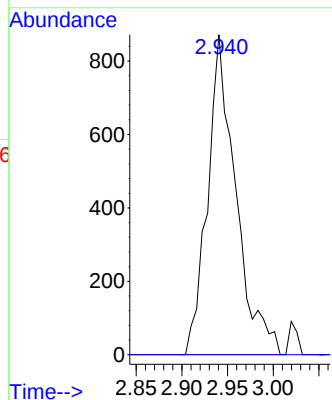
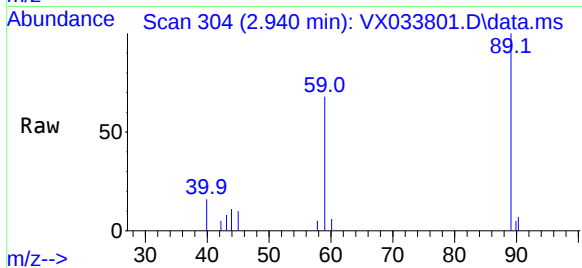
ClientSampleId :

Tgt Ion: 59 Resp: 1869

Ion Ratio Lower Upper

59 100

57 0.0 3.7 5.5#



#16

Acetone

Concen: 24.231 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX033801.D

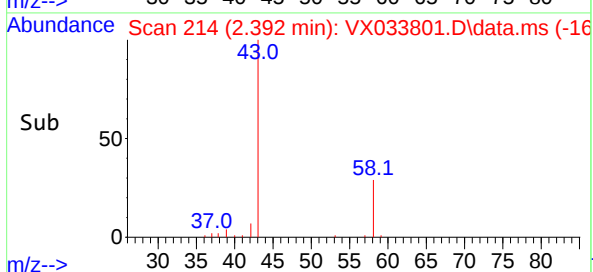
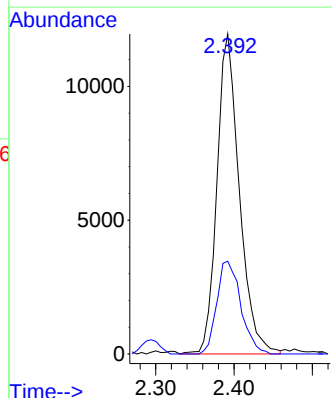
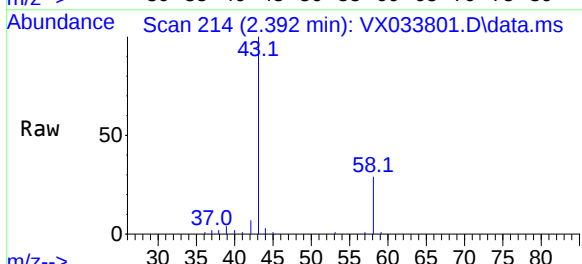
Acq: 19 Jan 2023 15:11

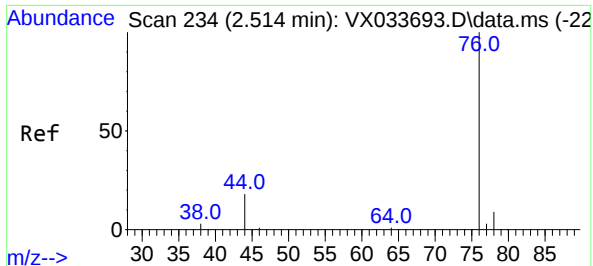
Tgt Ion: 43 Resp: 23779

Ion Ratio Lower Upper

43 100

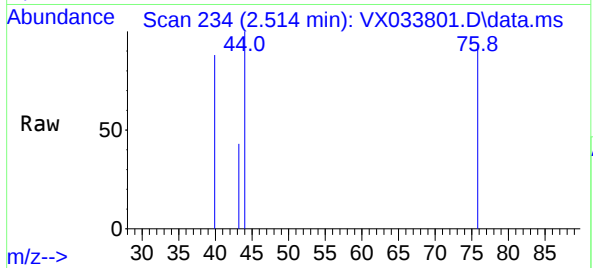
58 29.0 22.6 33.8



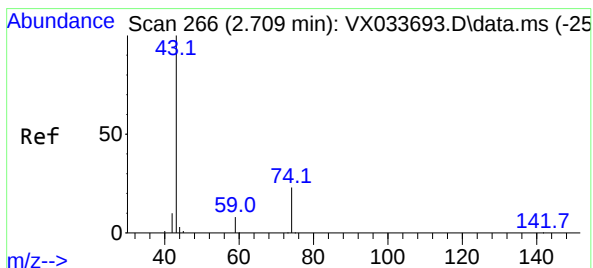
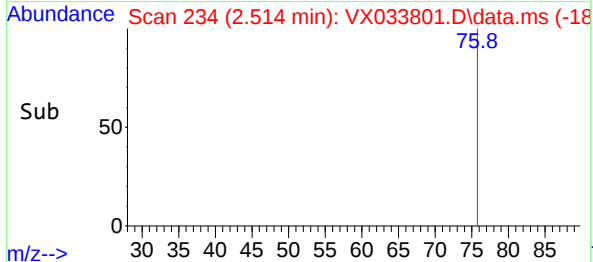
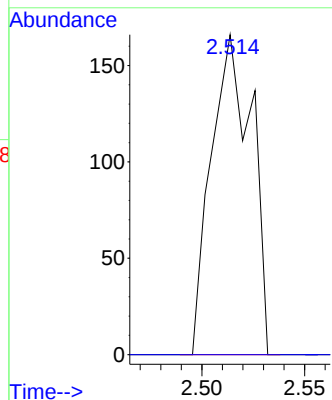


#17
Carbon Disulfide
Concen: 1.883 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

Instrument :
MSVOA_X
ClientSampleId :

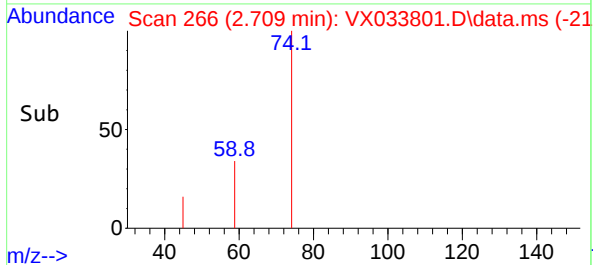
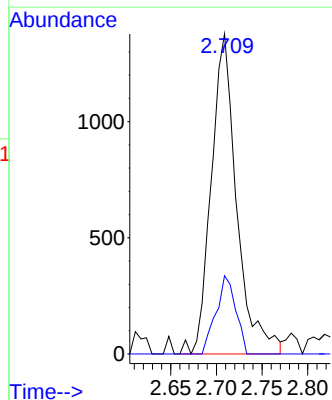
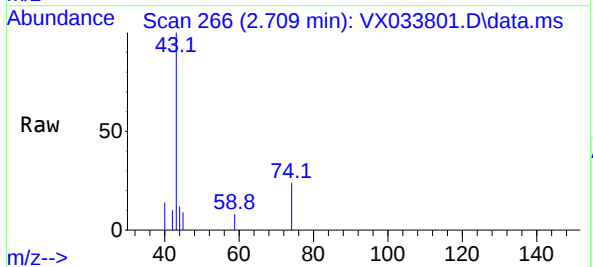


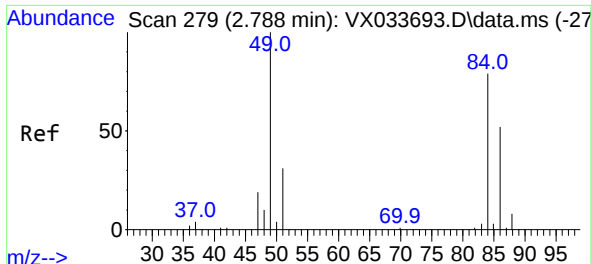
Tgt Ion: 76 Resp: 227
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 1.036 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

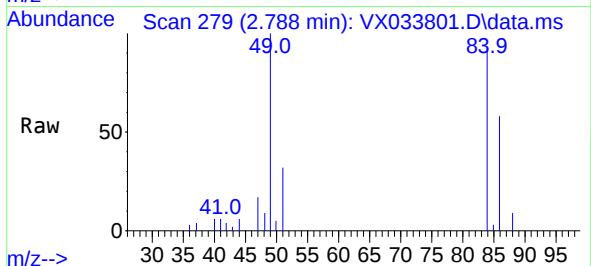
Tgt Ion: 43 Resp: 2672
Ion Ratio Lower Upper
43 100
74 18.9 18.2 27.4



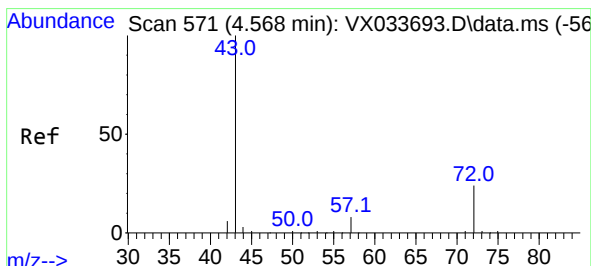
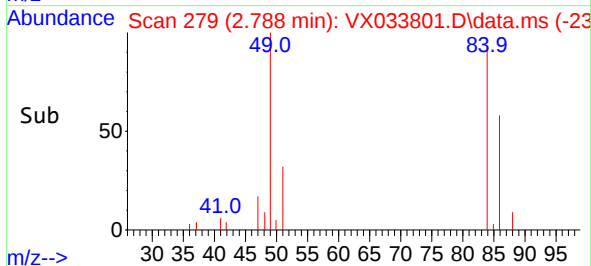
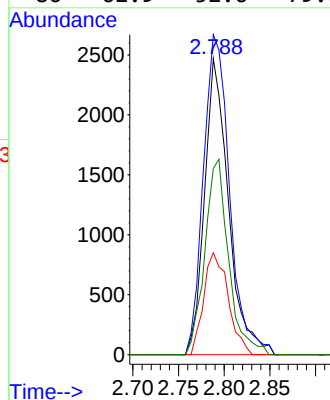


#20
Methylene Chloride
Concen: 0.318 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

Instrument :
MSVOA_X
ClientSampleId :

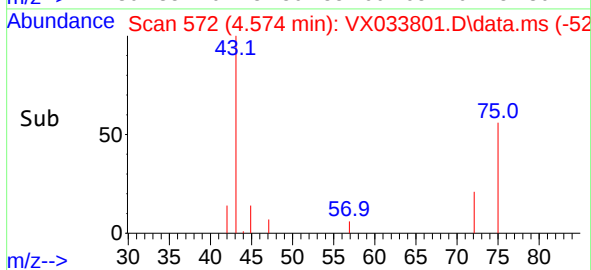
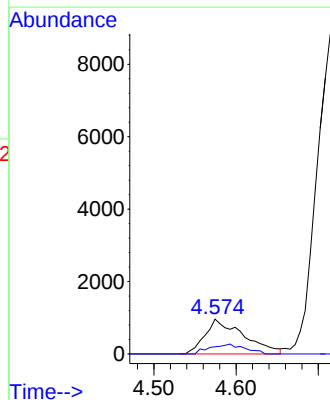
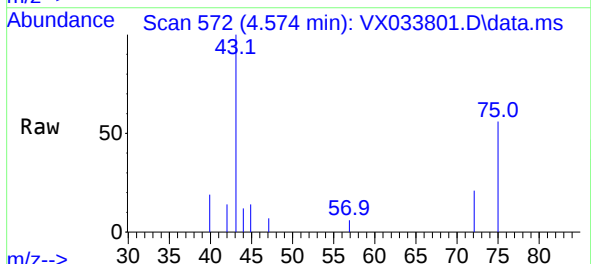


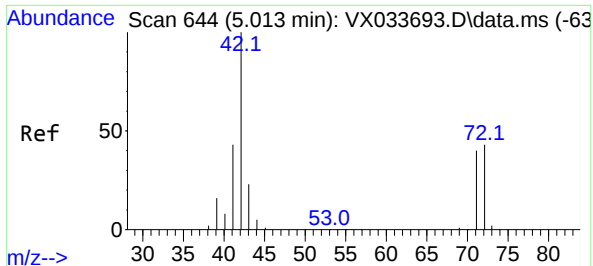
Tgt Ion:	84	Resp:	4509
Ion	Ratio	Lower	Upper
84	100		
49	108.1	101.1	151.7
51	34.4	31.0	46.6
86	62.9	52.6	79.0



#25
2-Butanone
Concen: 2.597 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

Tgt Ion:	43	Resp:	3135
Ion	Ratio	Lower	Upper
43	100		
72	20.7	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.308 ug/l

RT: 5.044 min Scan# 644

Delta R.T. 0.030 min

Lab File: VX033801.D

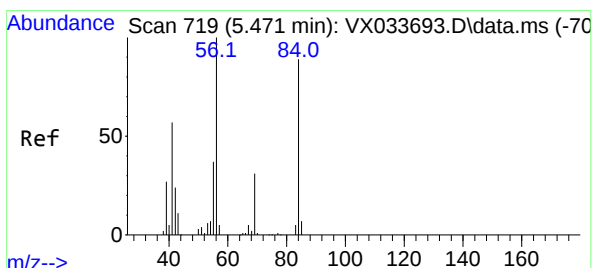
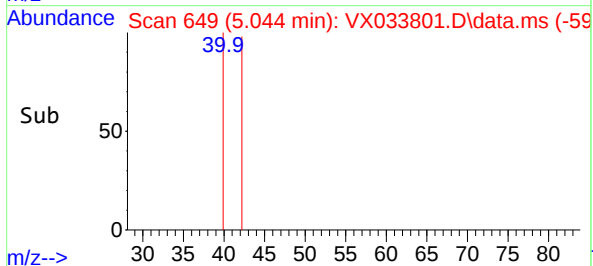
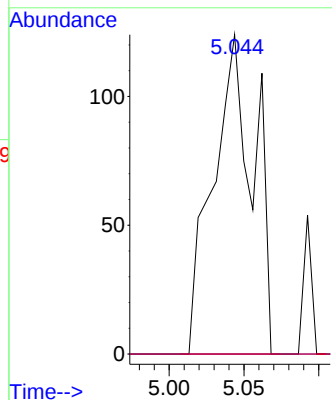
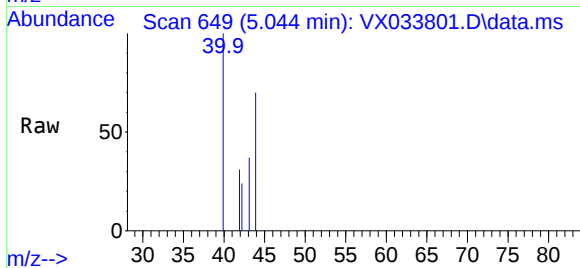
Acq: 19 Jan 2023 15:11

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	234
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.8	52.2#
71	0.0	32.2	48.2#



#31

Cyclohexane

Concen: 0.967 ug/l

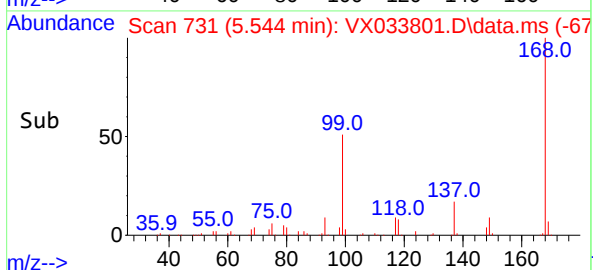
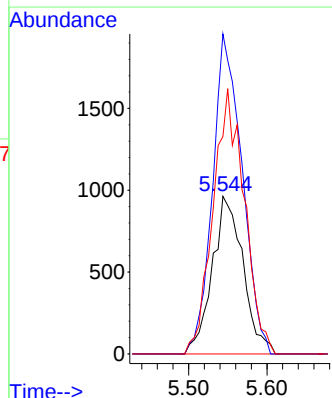
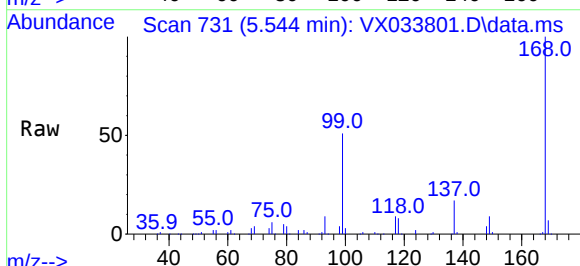
RT: 5.544 min Scan# 731

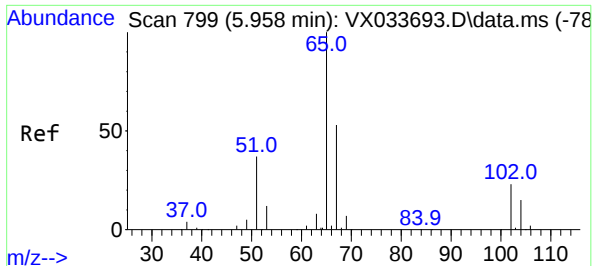
Delta R.T. 0.073 min

Lab File: VX033801.D

Acq: 19 Jan 2023 15:11

Tgt Ion:	56	Resp:	2628
Ion	Ratio	Lower	Upper
56	100		
69	203.0	24.6	37.0#
84	137.9	71.0	106.6#





#33

1,2-Dichloroethane-d4

Concen: 46.890 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033801.D

Acq: 19 Jan 2023 15:11

Instrument :

MSVOA_X

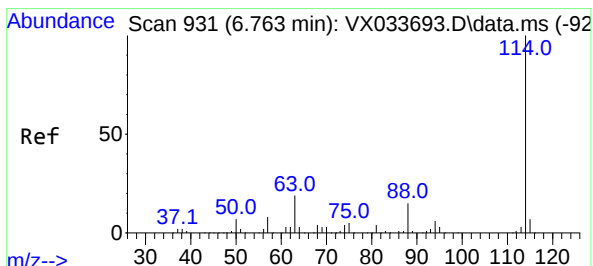
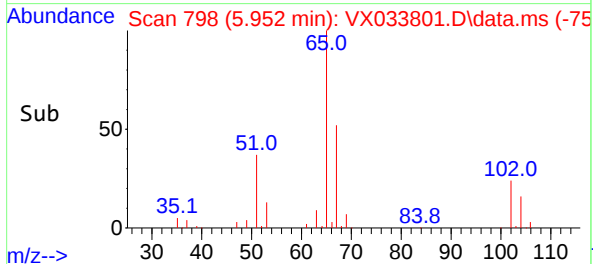
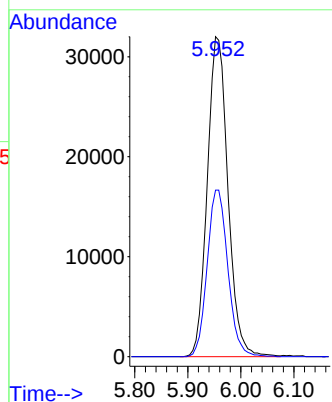
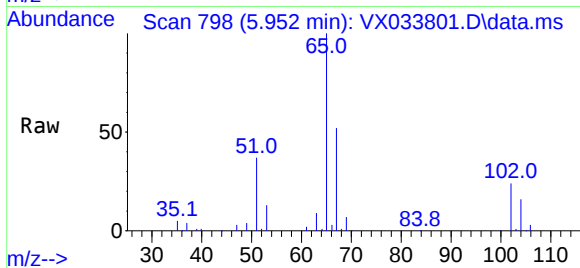
ClientSampleId :

Tgt Ion: 65 Resp: 86624

Ion Ratio Lower Upper

65 100

67 52.2 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: VX033801.D

Acq: 19 Jan 2023 15:11

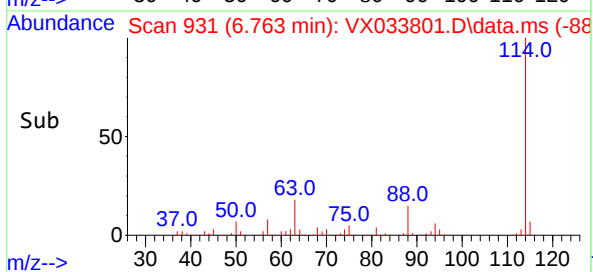
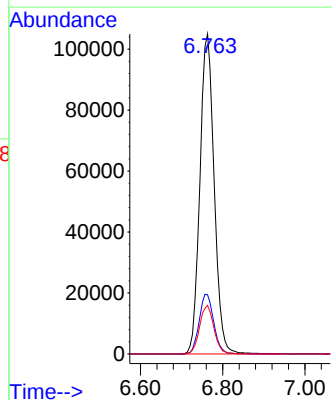
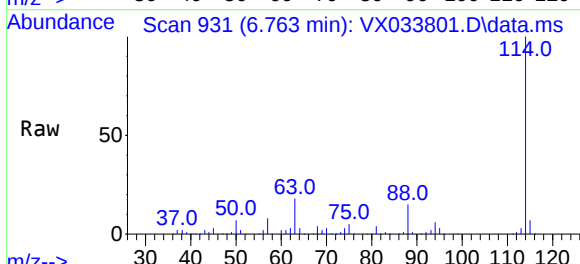
Tgt Ion: 114 Resp: 252711

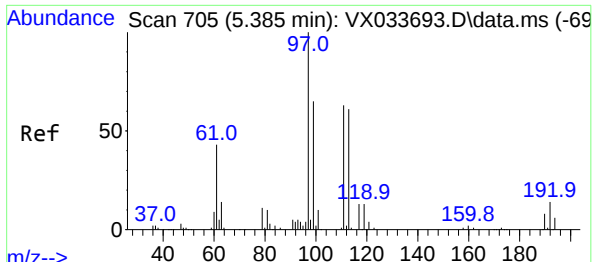
Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.4

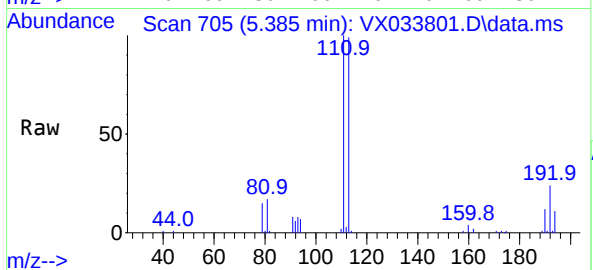
88 15.2 0.0 30.6



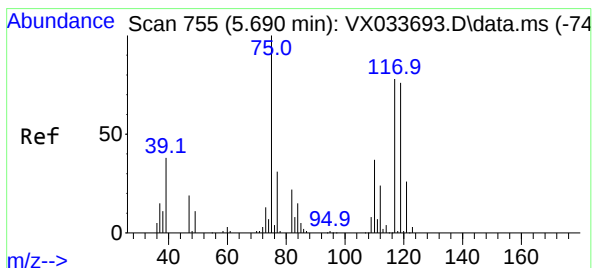
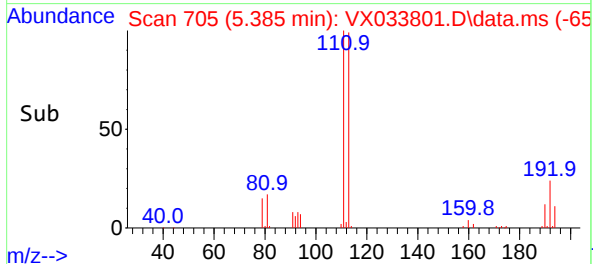
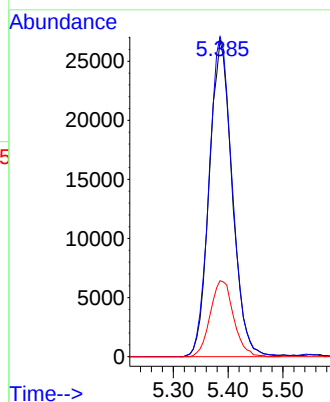


#35
Dibromofluoromethane
Concen: 49.404 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

Instrument :
MSVOA_X
ClientSampleId :

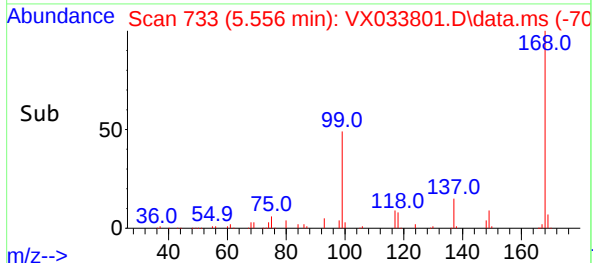
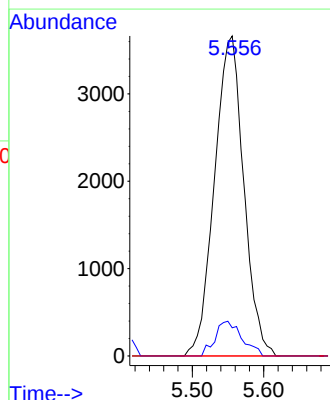
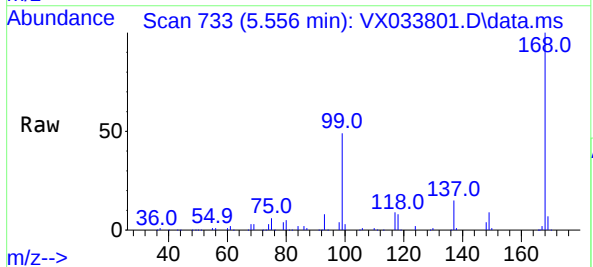


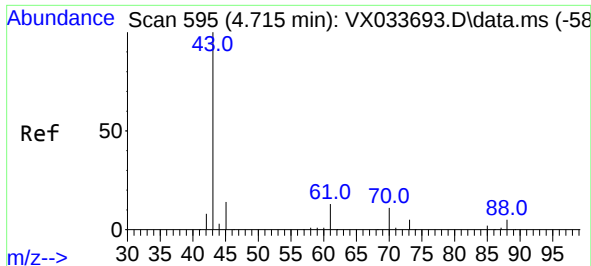
Tgt Ion:113 Resp: 77525
Ion Ratio Lower Upper
113 100
111 102.7 83.0 124.6
192 24.5 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.544 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

Tgt Ion: 75 Resp: 10406
Ion Ratio Lower Upper
75 100
110 9.9 18.8 56.4#
77 0.0 25.1 37.7#

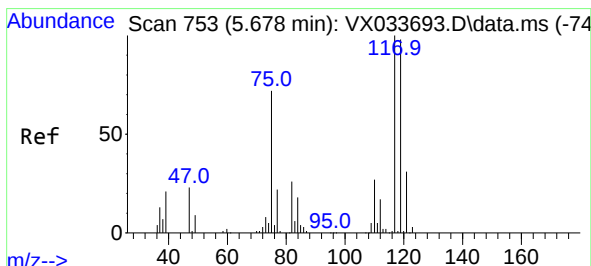
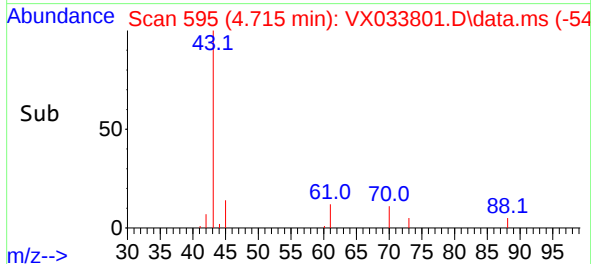
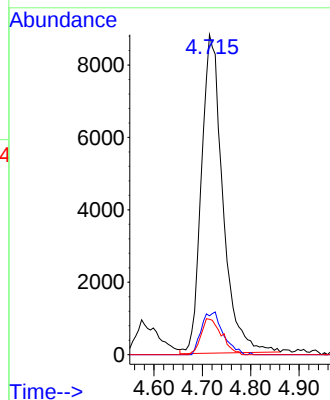
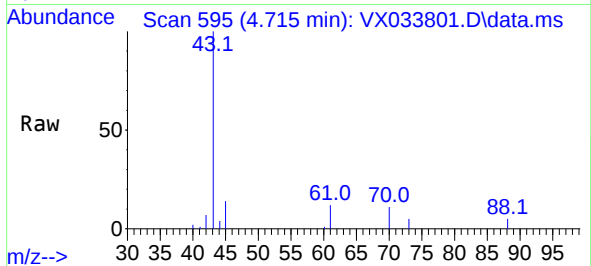




#37
Ethyl Acetate
Concen: 10.073 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

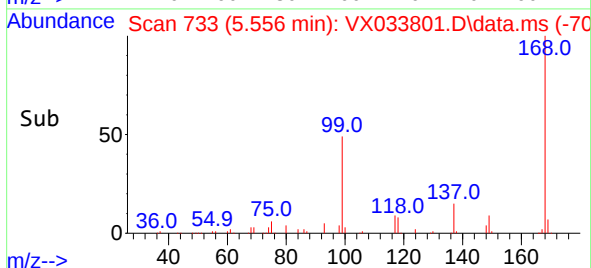
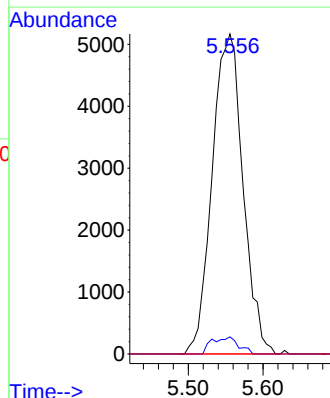
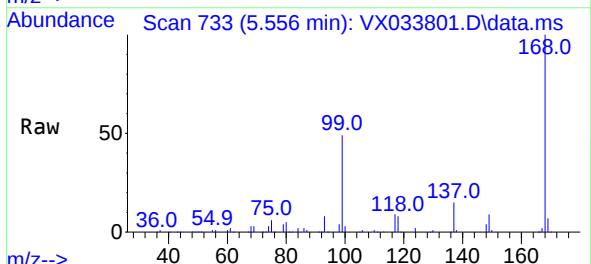
Instrument :
MSVOA_X
ClientSampleId :

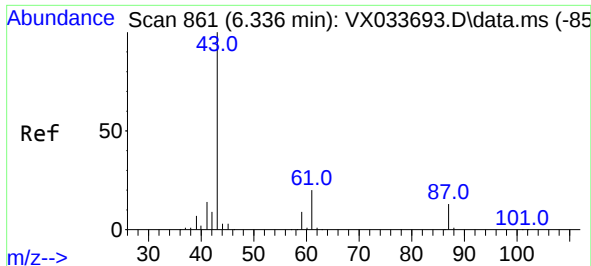
Tgt Ion:	43	Resp:	26999
Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.1	16.7
70	10.9	8.5	12.7



#38
Carbon Tetrachloride
Concen: 6.244 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

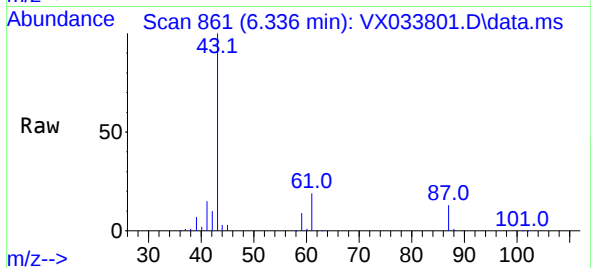
Tgt Ion:	117	Resp:	14810
Ion	Ratio	Lower	Upper
117	100		
119	5.4	78.0	117.0#
121	0.0	24.4	36.6#



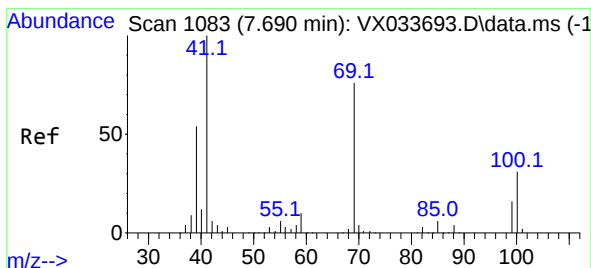
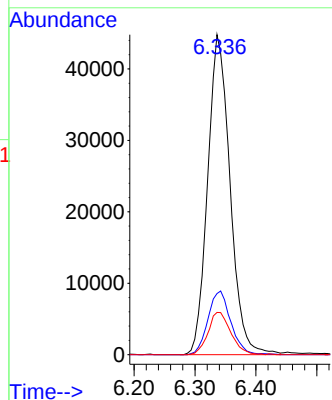
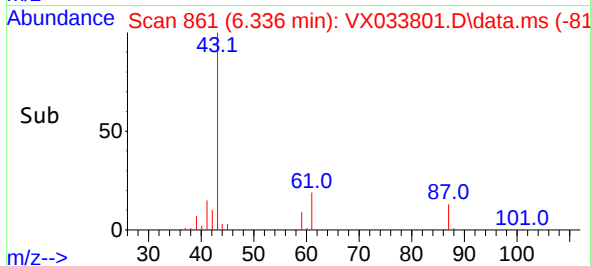


#43
Isopropyl Acetate
Concen: 31.691 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

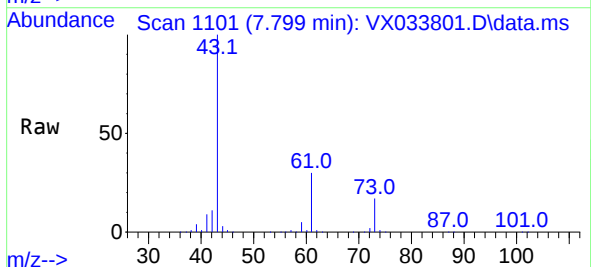
Instrument :
MSVOA_X
ClientSampleId :



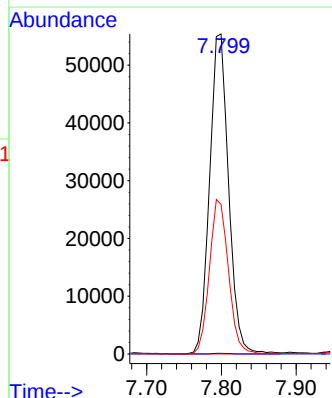
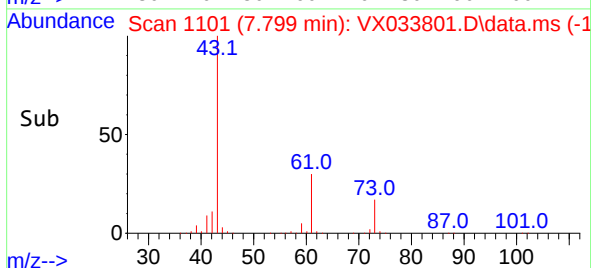
Tgt Ion: 43 Resp: 114579
Ion Ratio Lower Upper
43 100
61 20.3 15.7 23.5
87 13.4 10.6 15.8

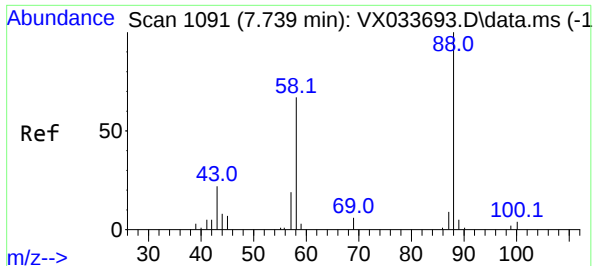


#48
Methyl methacrylate
Concen: 53.715 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11



Tgt Ion: 41 Resp: 97828
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 48.3 43.2 64.8





#49

1,4-Dioxane

Concen: 3.252 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.061 min

Lab File: VX033801.D

Acq: 19 Jan 2023 15:11

Instrument :

MSVOA_X

ClientSampleId :

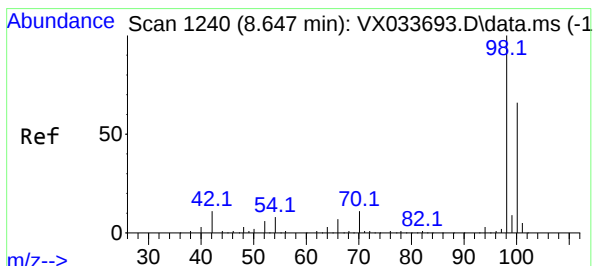
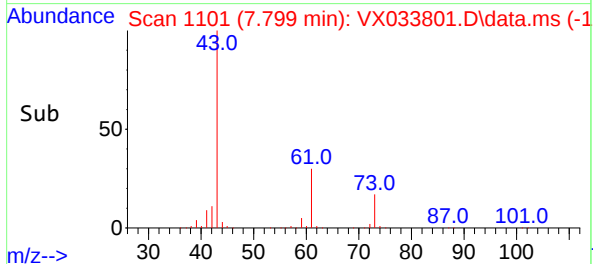
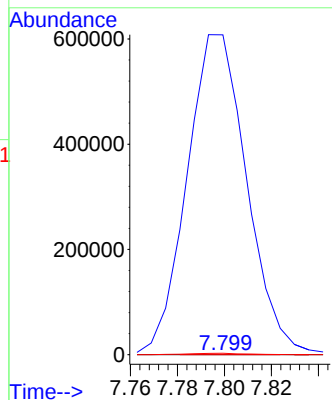
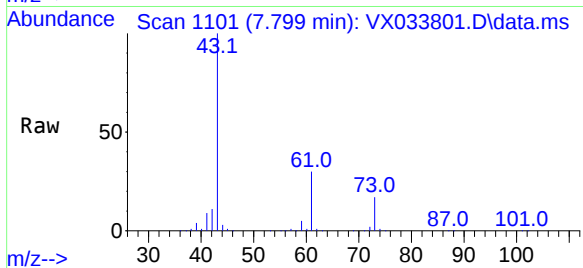
Tgt Ion: 88 Resp: 131

Ion Ratio Lower Upper

88 100

43 830102.3 0.0 0.0#

58 3500.8 56.5 84.7#



#50

Toluene-d8

Concen: 51.101 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX033801.D

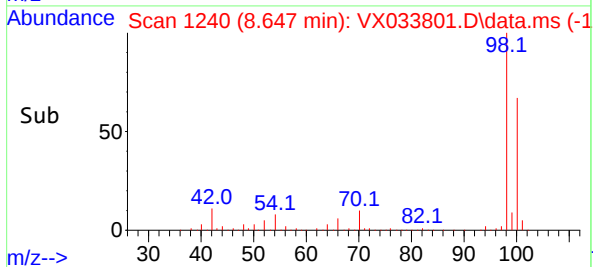
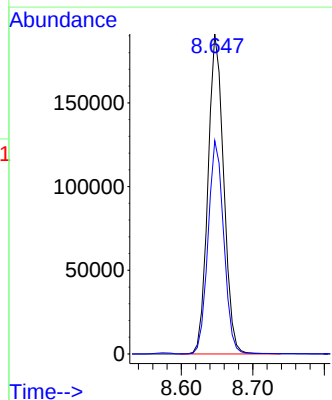
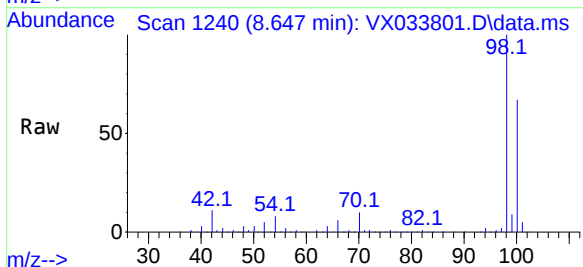
Acq: 19 Jan 2023 15:11

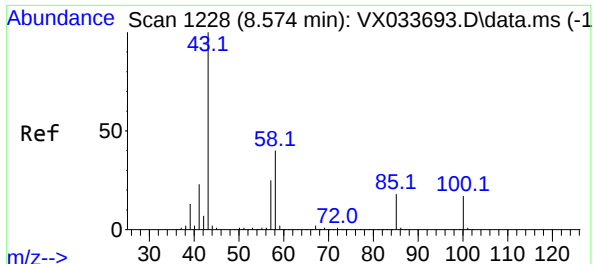
Tgt Ion: 98 Resp: 292165

Ion Ratio Lower Upper

98 100

100 66.4 53.6 80.4

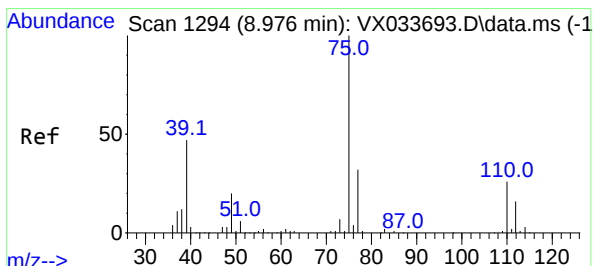
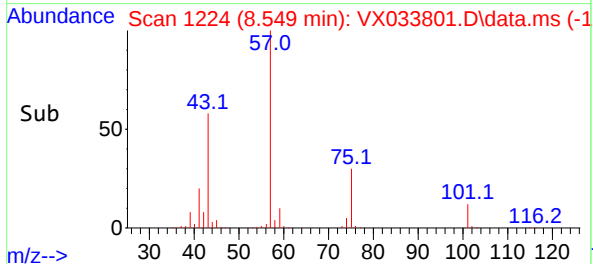
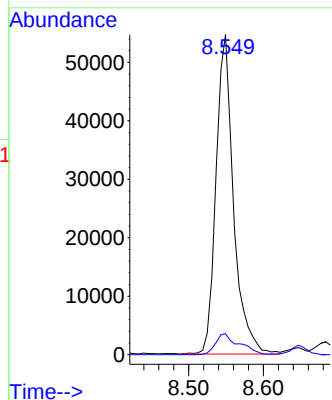
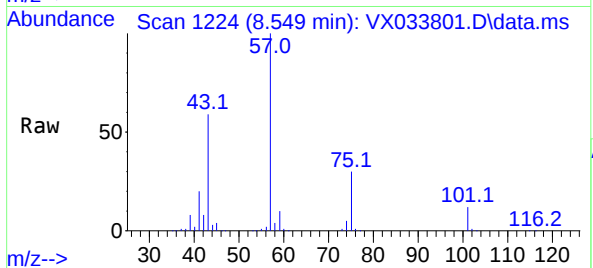




#51
4-Methyl-2-Pentanone
Concen: 40.078 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

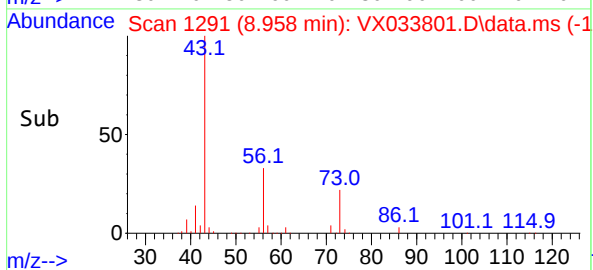
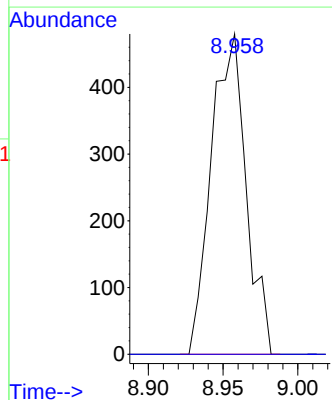
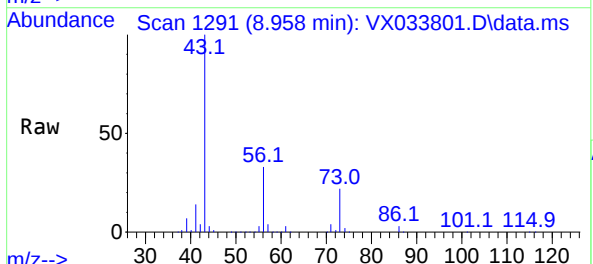
Instrument :
MSVOA_X
ClientSampleId :

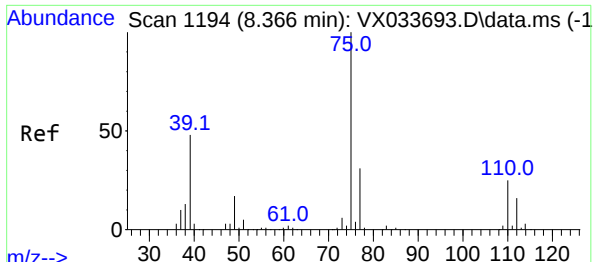
Tgt Ion: 43 Resp: 88991
Ion Ratio Lower Upper
43 100
58 8.9 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.345 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

Tgt Ion: 75 Resp: 777
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

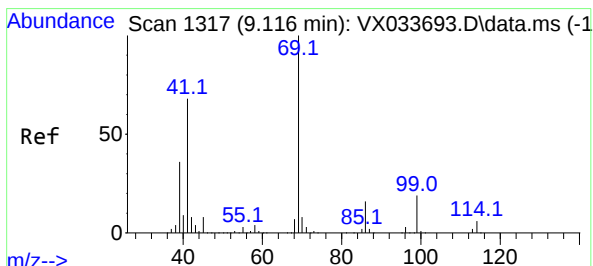
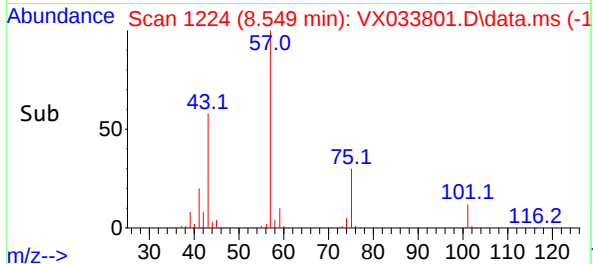
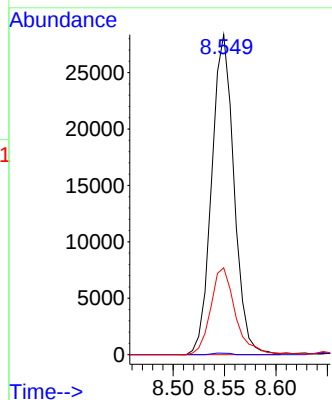
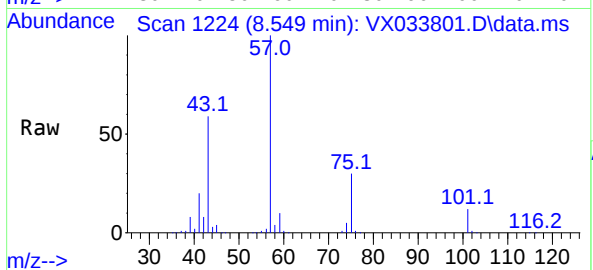




#54
cis-1,3-Dichloropropene
Concen: 16.969 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

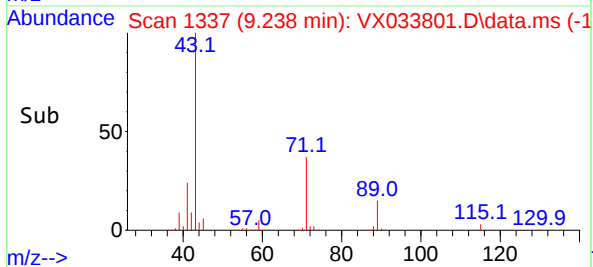
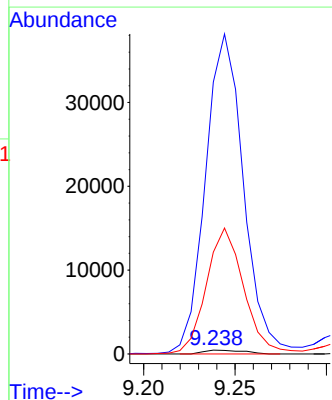
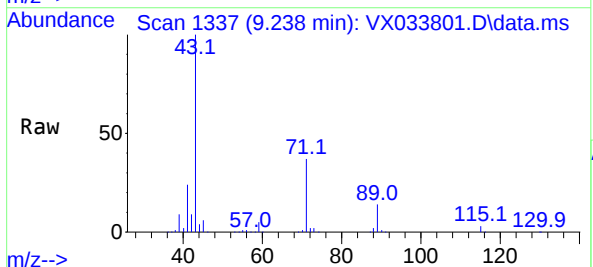
Instrument :
MSVOA_X
ClientSampleId :

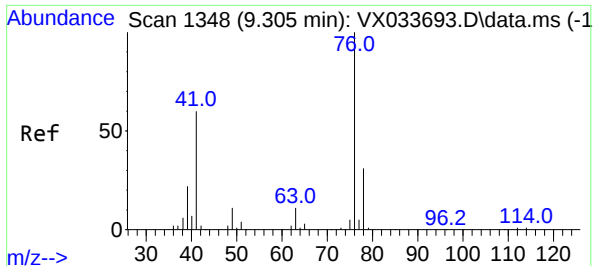
Tgt Ion: 75 Resp: 42803
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.6#
39 27.2 38.6 58.0#



#56
Ethyl methacrylate
Concen: 0.291 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.122 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

Tgt Ion: 69 Resp: 698
Ion Ratio Lower Upper
69 100
41 7994.4 55.1 82.7#
39 3090.8 28.5 42.7#

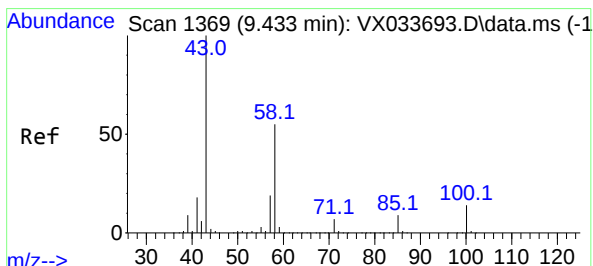
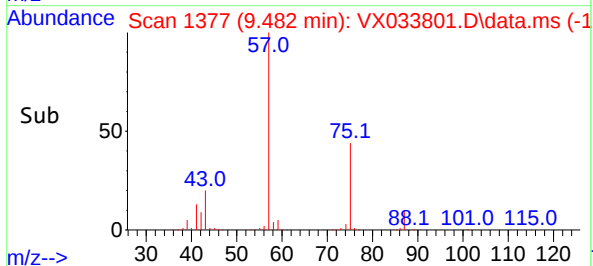
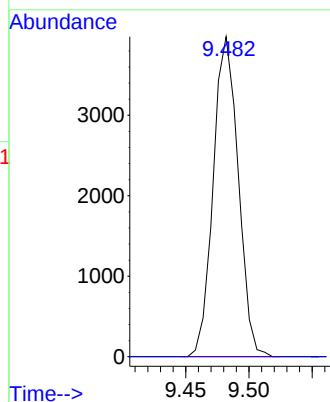
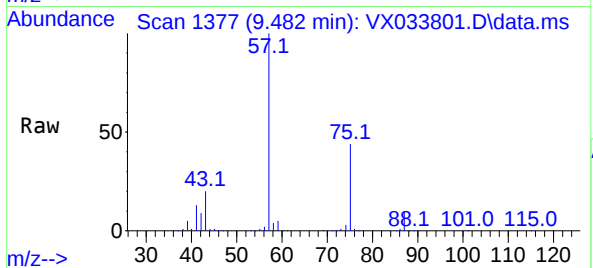




#57
1,3-Dichloropropane
Concen: 1.975 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

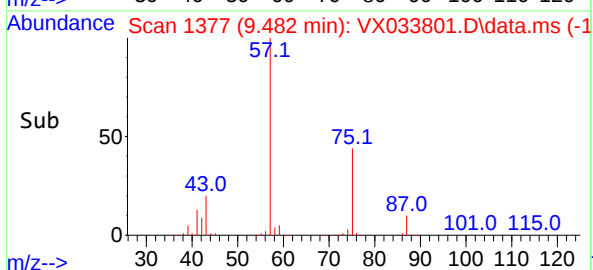
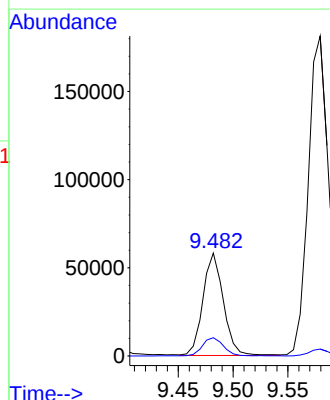
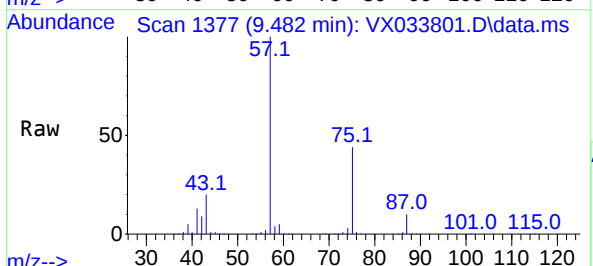
Instrument :
MSVOA_X
ClientSampleId :

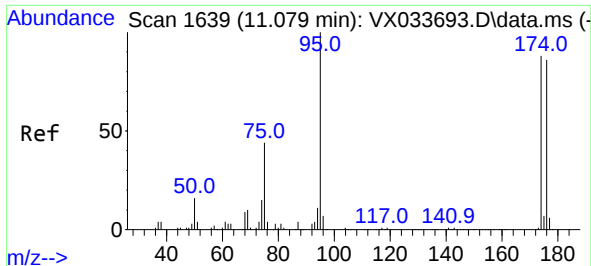
Tgt Ion: 76 Resp: 5464
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 48.630 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

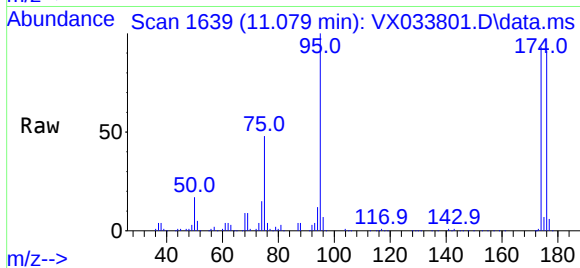
Tgt Ion: 43 Resp: 75155
Ion Ratio Lower Upper
43 100
58 18.7 27.4 82.0#



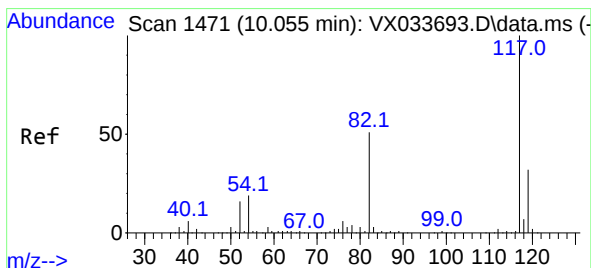
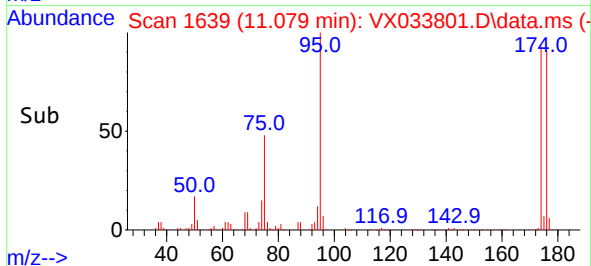
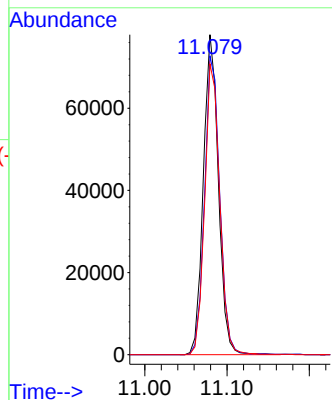


#62
4-Bromofluorobenzene
Concen: 46.711 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

Instrument :
MSVOA_X
ClientSampleId :

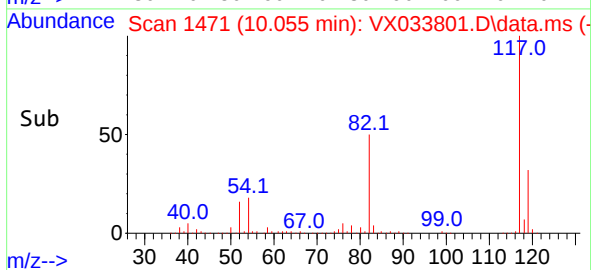
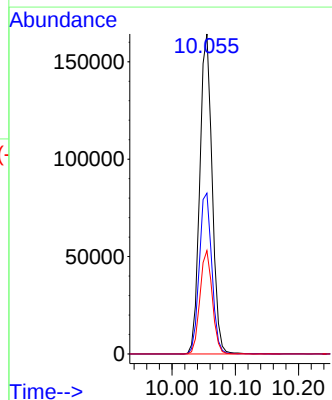
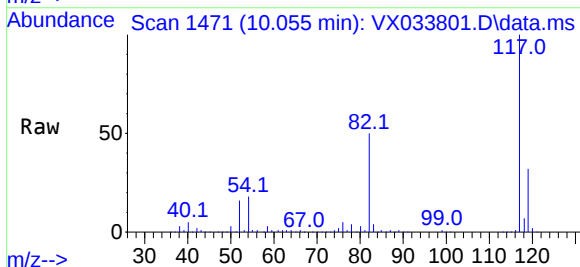


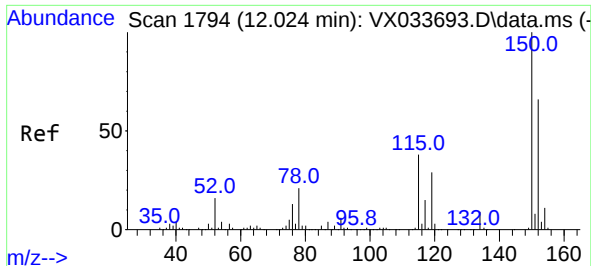
Tgt Ion: 95 Resp: 99157
Ion Ratio Lower Upper
95 100
174 94.5 0.0 184.4
176 91.0 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

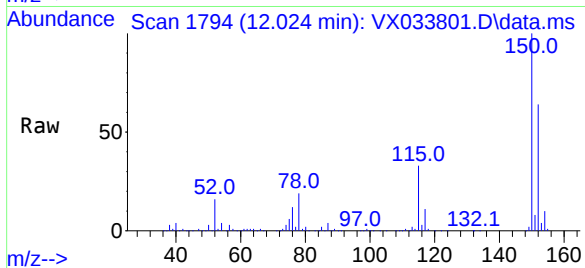
Tgt Ion: 117 Resp: 223862
Ion Ratio Lower Upper
117 100
82 50.2 40.6 60.8
119 32.3 25.6 38.4



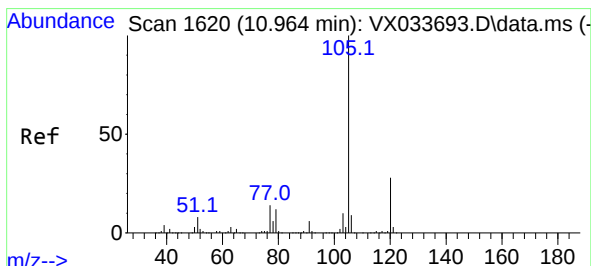
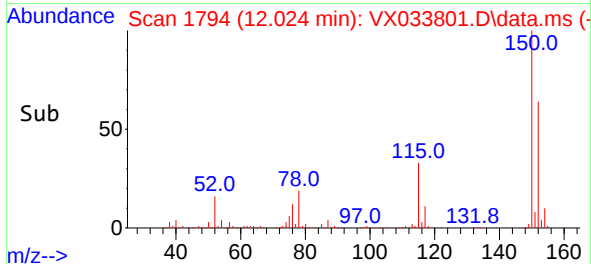
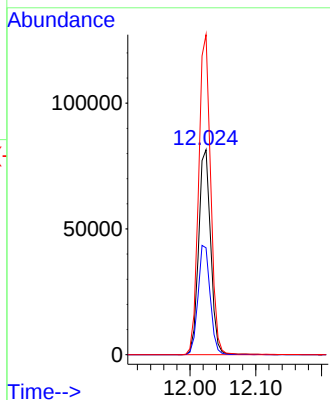


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

Instrument :
MSVOA_X
ClientSampleId :

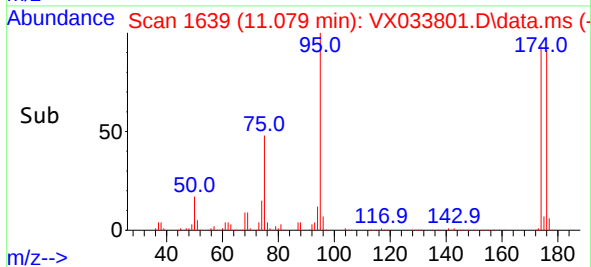
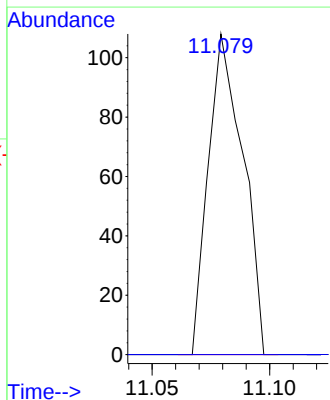
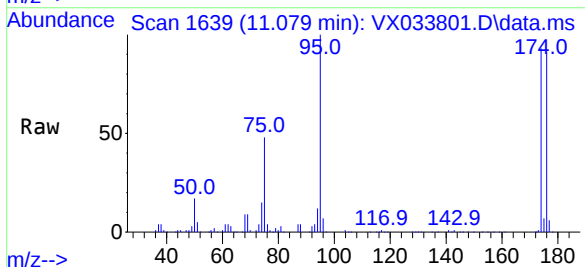


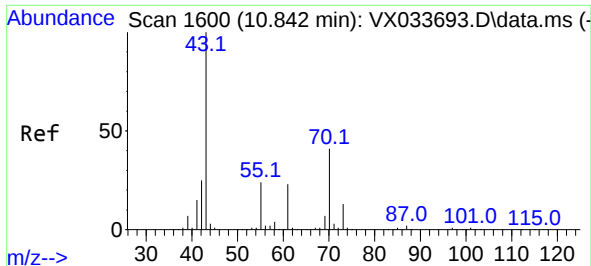
Tgt Ion:152 Resp: 103878
Ion Ratio Lower Upper
152 100
115 53.8 38.7 116.1
150 156.0 0.0 348.2



#73
Isopropylbenzene
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. 0.115 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

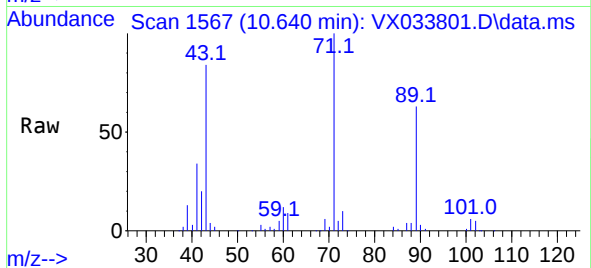
Tgt Ion:105 Resp: 111
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



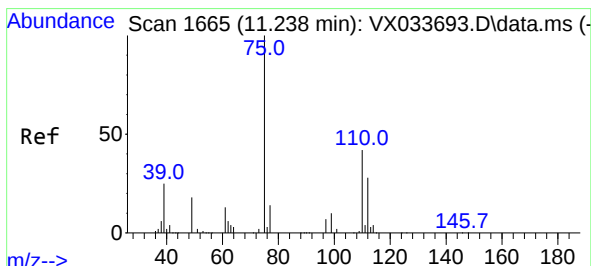
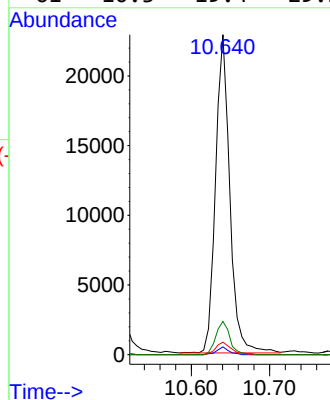
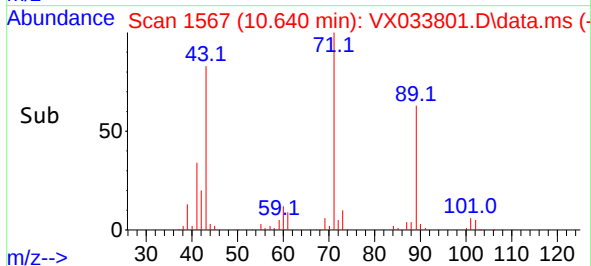


#74
N-amy1 acetate
Concen: 10.593 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

Instrument :
MSVOA_X
ClientSampleId :

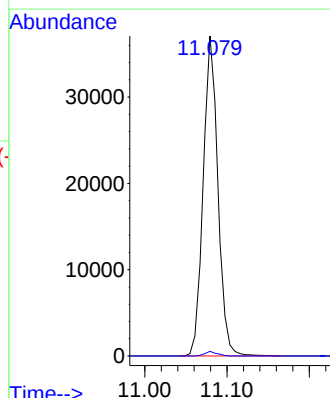
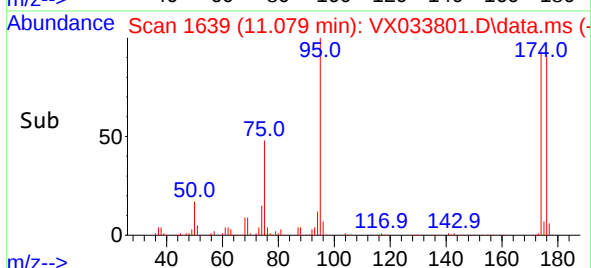
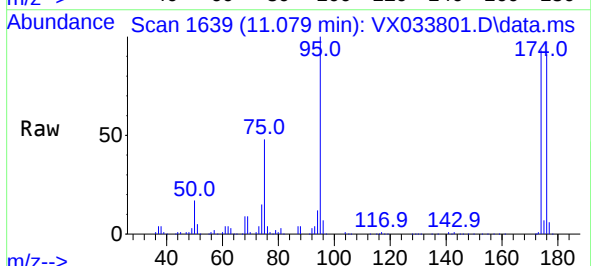


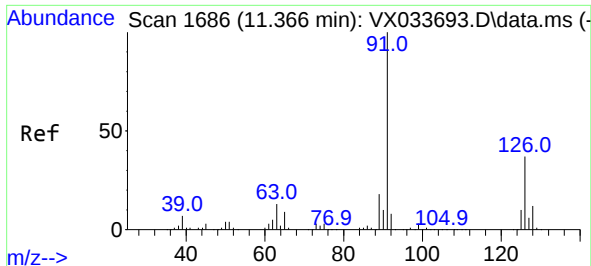
Tgt Ion: 43 Resp: 28895
Ion Ratio Lower Upper
43 100
70 2.1 34.8 52.2#
55 4.2 19.4 29.0#
61 10.3 19.4 29.2#



#76
1,2,3-Trichloropropane
Concen: 24.182 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033801.D
Acq: 19 Jan 2023 15:11

Tgt Ion: 75 Resp: 46154
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.4#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.372 min Scan# 1687

Delta R.T. 0.006 min

Lab File: VX033801.D

Acq: 19 Jan 2023 15:11

Instrument :

MSVOA_X

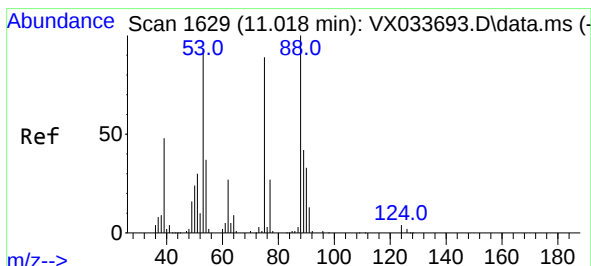
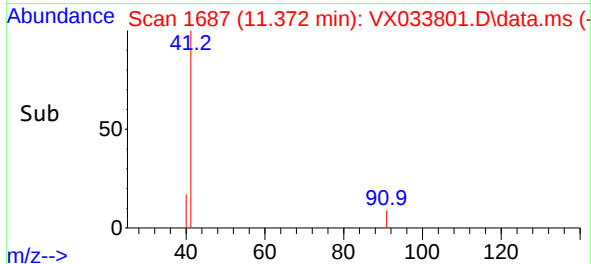
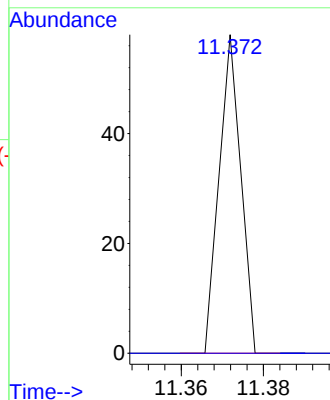
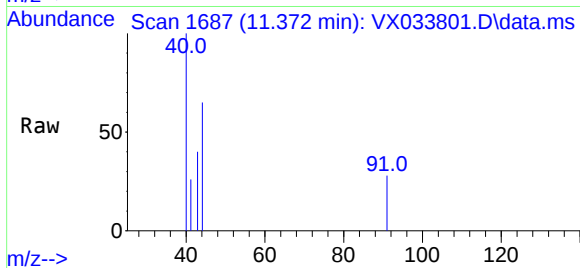
ClientSampleId :

Tgt Ion: 91 Resp: 21

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.155 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033801.D

Acq: 19 Jan 2023 15:11

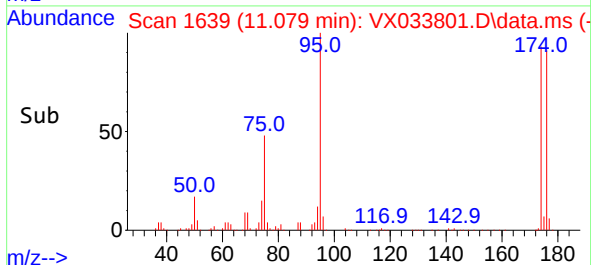
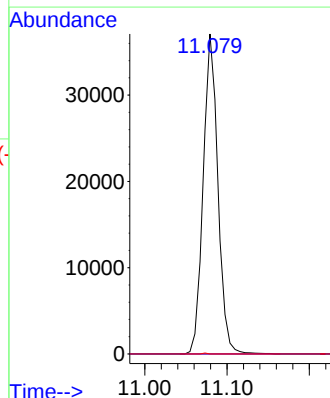
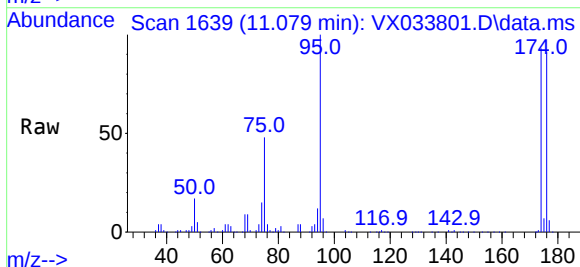
Tgt Ion: 75 Resp: 46154

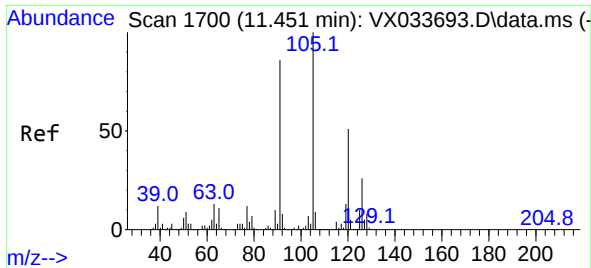
Ion Ratio Lower Upper

75 100

53 0.0 83.0 124.6#

89 0.1 37.7 56.5#





#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 11.457 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX033801.D
 Acq: 19 Jan 2023 15:11

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 91 Resp: 136
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.8 47.4#

