

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011923\
 Data File : VX033797.D
 Acq On : 19 Jan 2023 13:38
 Operator : JC/MD
 Sample : PB150330ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

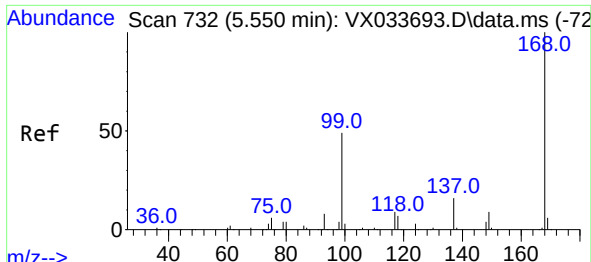
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 20 05:20:46 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)

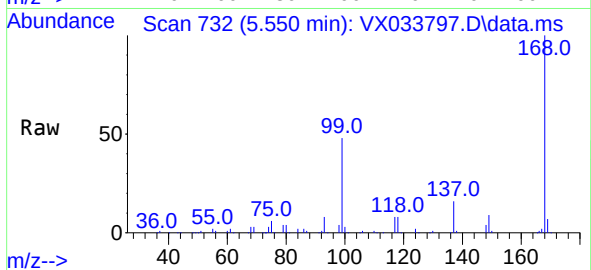
Internal Standards						
1) Pentafluorobenzene	5.550	168	178638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	263739	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	232960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	88652	47.133	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.260%		
35) Dibromofluoromethane	5.385	113	80009	48.855	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.720%		
50) Toluene-d8	8.647	98	298877	50.089	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.180%		
62) 4-Bromofluorobenzene	11.079	95	102596	46.310	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.620%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.319	50	515	0.326	ug/l #	43
16) Acetone	2.392	43	25193	25.743	ug/l	100
17) Carbon Disulfide	2.514	76	381	1.922	ug/l #	76
18) Methyl Acetate	2.709	43	1978	0.754	ug/l	99
20) Methylene Chloride	2.794	84	11875	5.007	ug/l	93
25) 2-Butanone	4.587	43	4407	3.586	ug/l #	90
29) Tetrahydrofuran	5.056	42	350	0.452	ug/l #	39
31) Cyclohexane	5.556	56	2674	0.966	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10813	4.524	ug/l #	48
37) Ethyl Acetate	4.715	43	23052	7.689	ug/l	99
38) Carbon Tetrachloride	5.556	117	15150	6.120	ug/l #	16
43) Isopropyl Acetate	6.342	43	99037	26.247	ug/l	99
48) Methyl methacrylate	7.799	41	82635	43.475	ug/l #	44
49) 1,4-Dioxane	7.793	88	126	2.997	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	76705	33.101	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	697	0.297	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	37193	14.129	ug/l #	59
56) Ethyl methacrylate	9.244	69	620	0.247	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4583	1.587	ug/l #	43
59) 2-Hexanone	9.482	43	62679	38.861	ug/l #	51
64) Tetrachloroethene	9.275	164	18	Below Cal	#	1
73) Isopropylbenzene	10.964	105	115	Below Cal	#	48
74) N-amyl acetate	10.640	43	23951	8.109	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	11.079	83	24	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	47834	23.145	ug/l #	34
77) Bromobenzene	11.195	156	19	Below Cal	#	1
79) 2-Chlorotoluene	11.366	91	41	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	47834	71.932	ug/l #	8
82) 4-Chlorotoluene	11.463	91	231	Below Cal	#	43

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

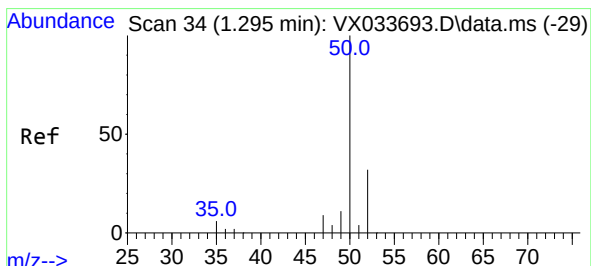
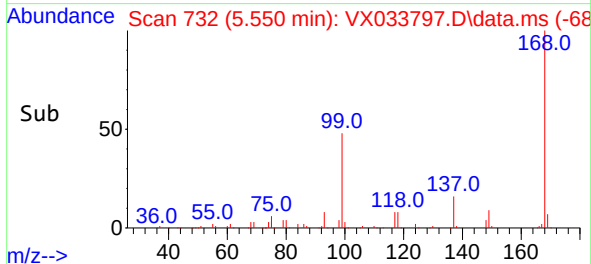
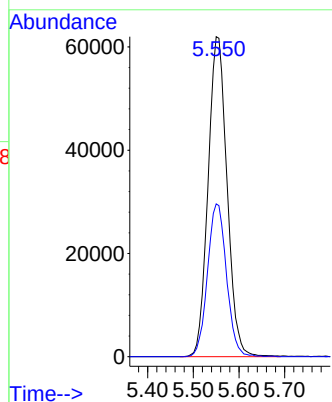


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

Instrument :
MSVOA_X
ClientSampleId :

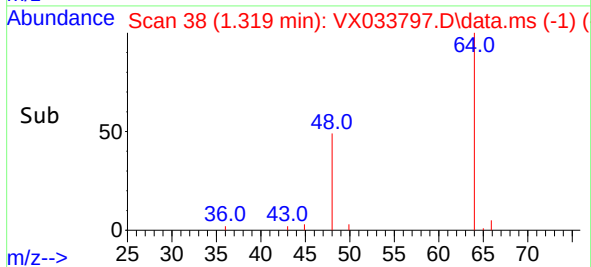
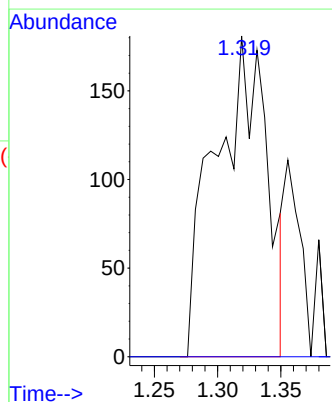
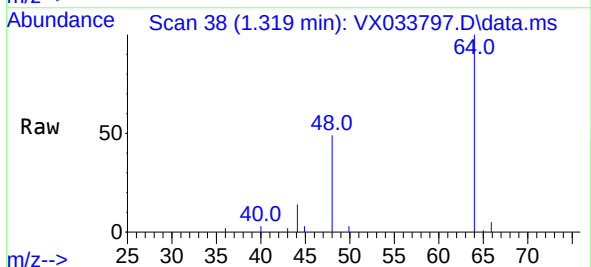


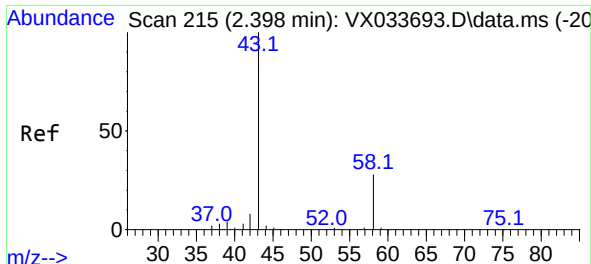
Tgt Ion:168 Resp: 178638
Ion Ratio Lower Upper
168 100
99 47.7 39.6 59.4



#3
Chloromethane
Concen: 0.326 ug/l
RT: 1.319 min Scan# 38
Delta R.T. 0.024 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

Tgt Ion: 50 Resp: 515
Ion Ratio Lower Upper
50 100
52 0.0 25.2 37.8#

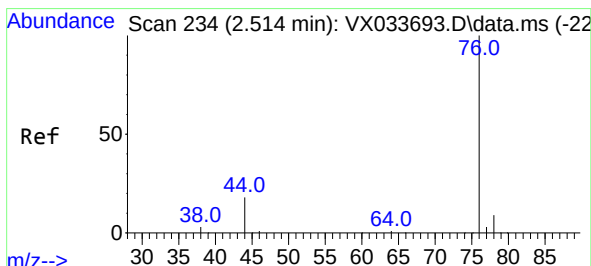
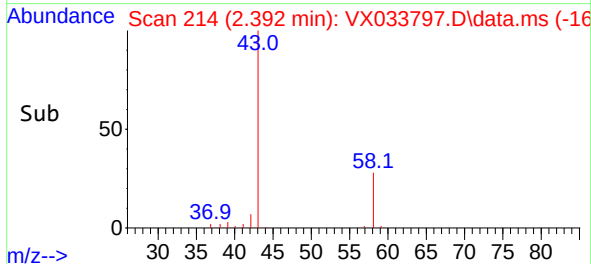
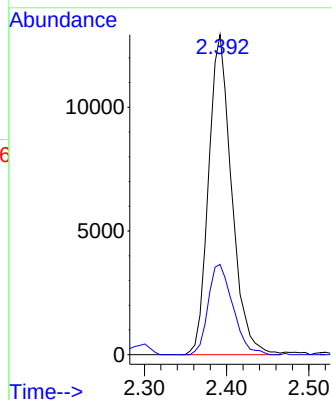
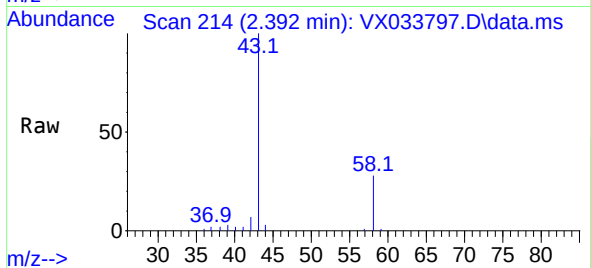




#16
Acetone
Concen: 25.743 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

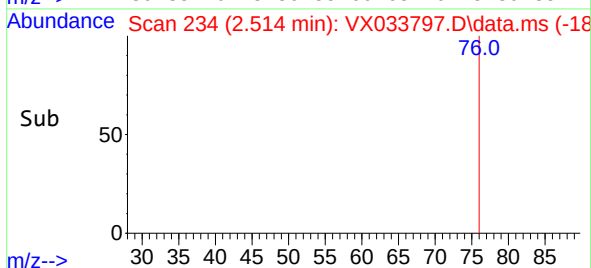
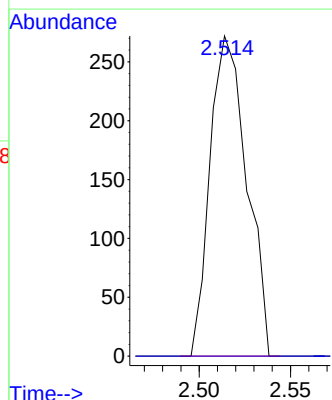
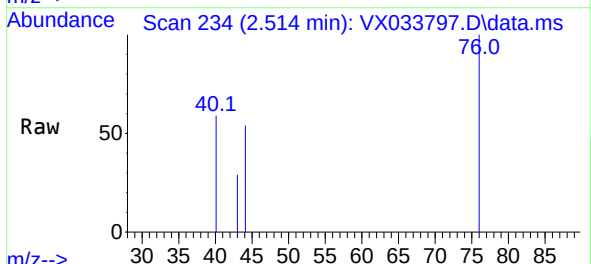
Instrument :
MSVOA_X
ClientSampleId :

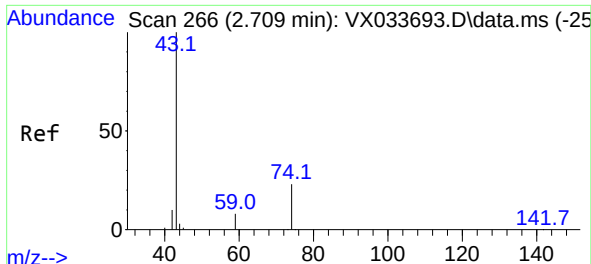
Tgt Ion: 43 Resp: 25193
Ion Ratio Lower Upper
43 100
58 28.2 22.6 33.8



#17
Carbon Disulfide
Concen: 1.922 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

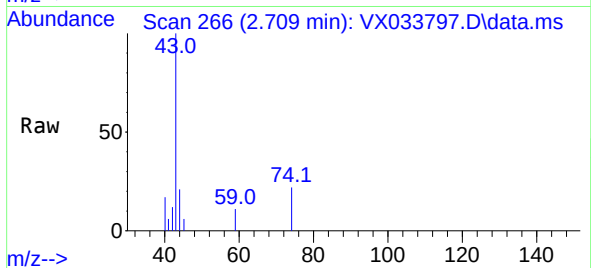
Tgt Ion: 76 Resp: 381
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



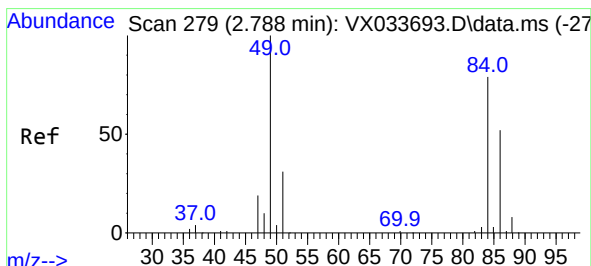
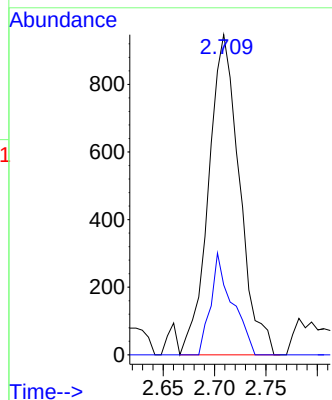
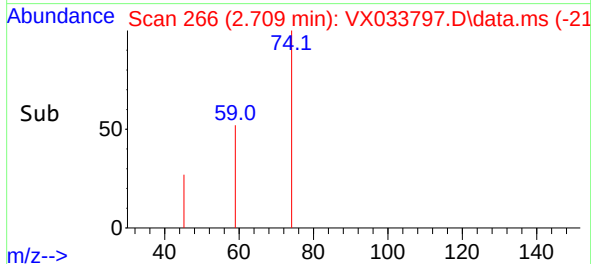


#18
Methyl Acetate
Concen: 0.754 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

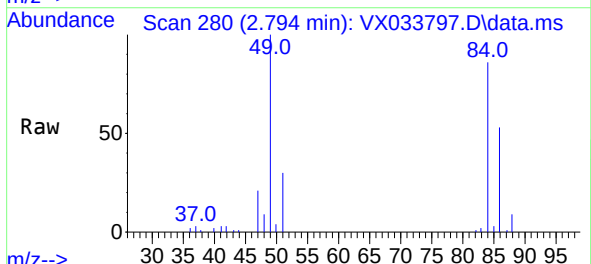
Instrument :
MSVOA_X
ClientSampleId :



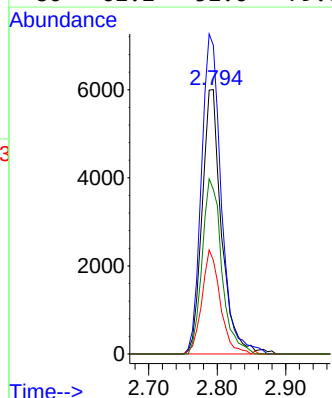
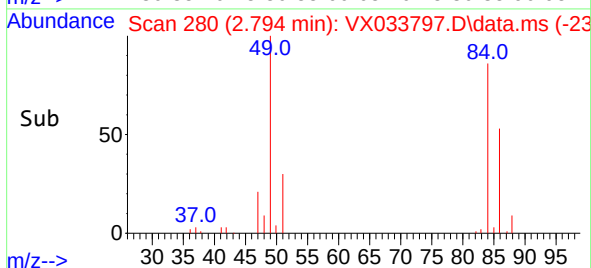
Tgt Ion: 43 Resp: 1978
Ion Ratio Lower Upper
43 100
74 22.1 18.2 27.4

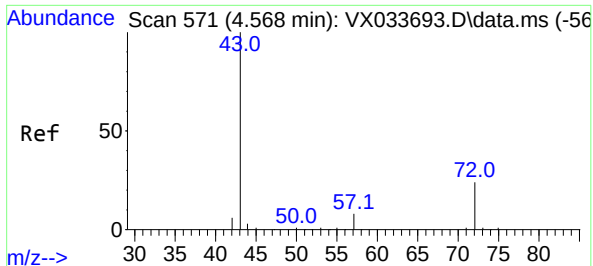


#20
Methylene Chloride
Concen: 5.007 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38



Tgt Ion: 84 Resp: 11875
Ion Ratio Lower Upper
84 100
49 116.8 101.1 151.7
51 35.4 31.0 46.6
86 62.2 52.6 79.0





#25

2-Butanone

Concen: 3.586 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX033797.D

Acq: 19 Jan 2023 13:38

Instrument :

MSVOA_X

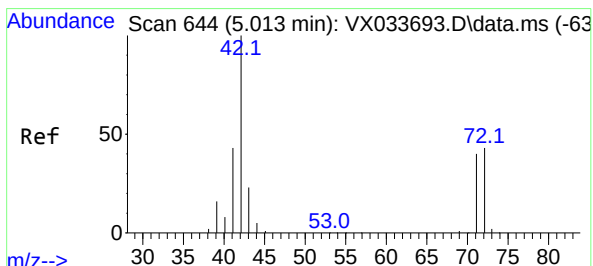
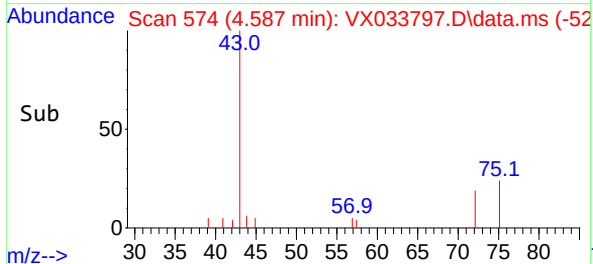
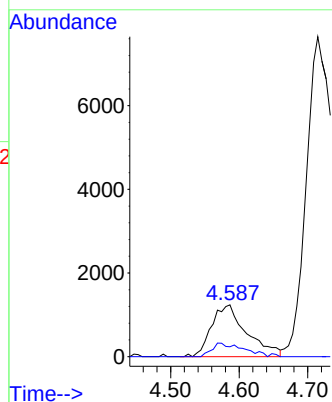
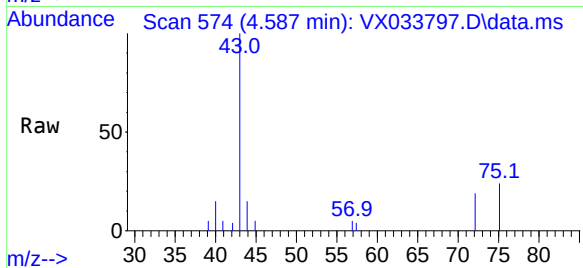
ClientSampleId :

Tgt Ion: 43 Resp: 4407

Ion Ratio Lower Upper

43 100

72 19.1 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.452 ug/l

RT: 5.056 min Scan# 651

Delta R.T. 0.043 min

Lab File: VX033797.D

Acq: 19 Jan 2023 13:38

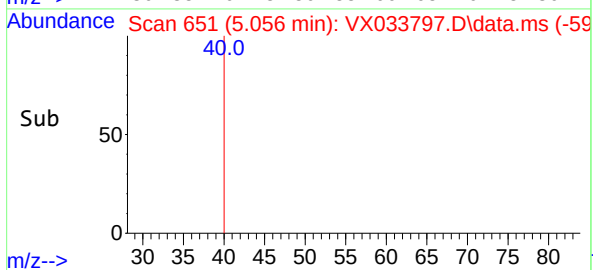
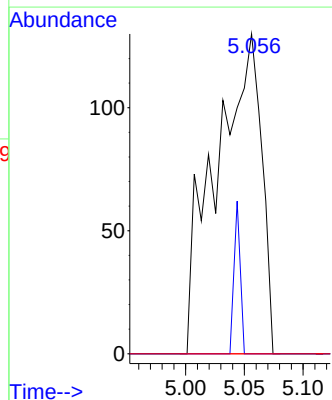
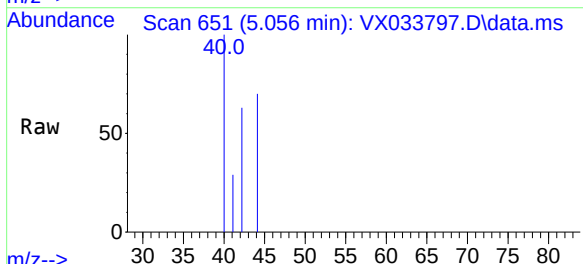
Tgt Ion: 42 Resp: 350

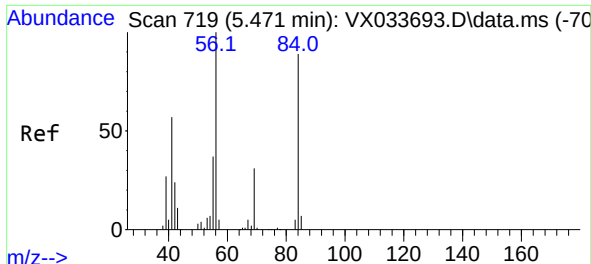
Ion Ratio Lower Upper

42 100

72 6.6 34.8 52.2#

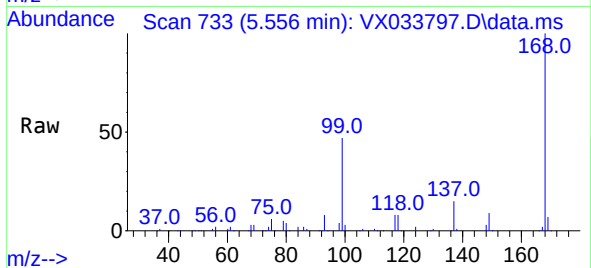
71 0.0 32.2 48.2#



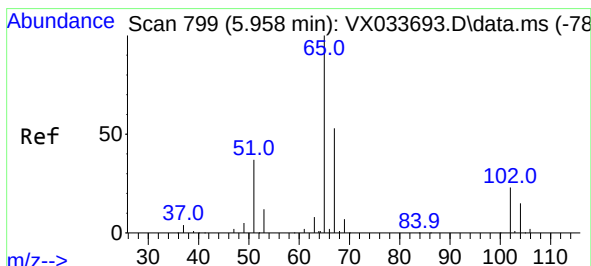
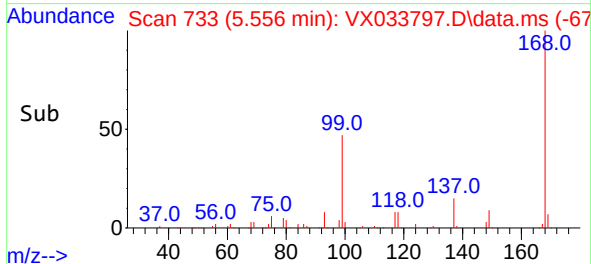
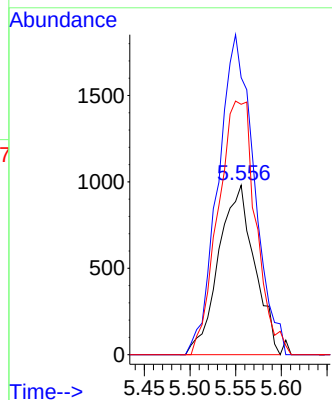


#31
Cyclohexane
Concen: 0.966 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

Instrument :
MSVOA_X
ClientSampleId :

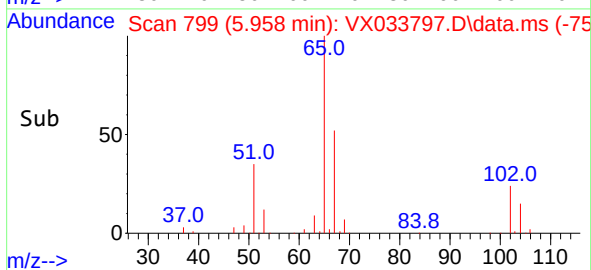
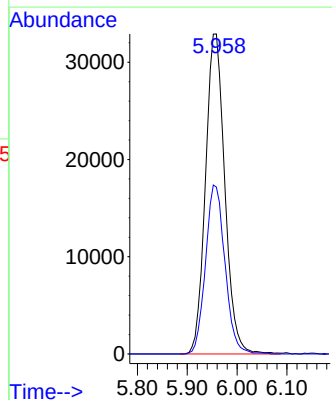
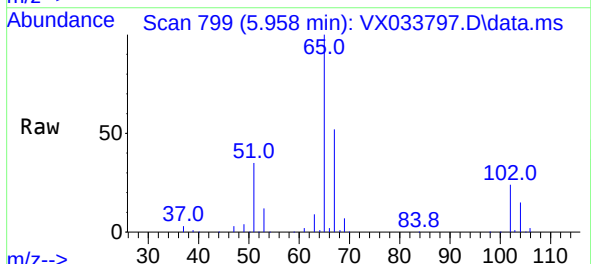


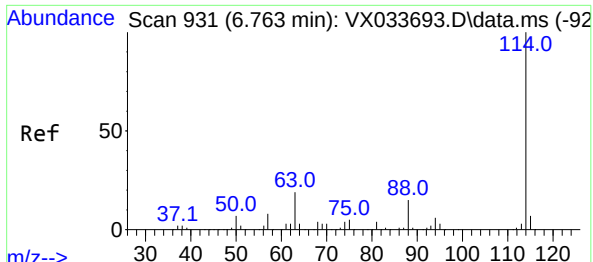
Tgt Ion: 56 Resp: 2674
Ion Ratio Lower Upper
56 100
69 163.7 24.6 37.0#
84 147.9 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 47.133 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

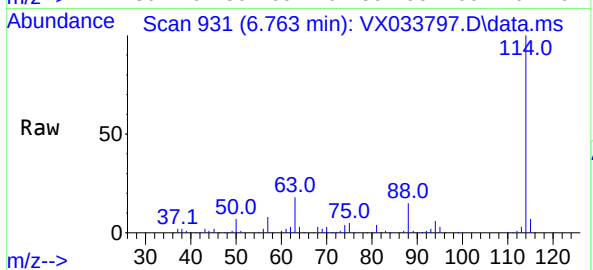
Tgt Ion: 65 Resp: 88652
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.8



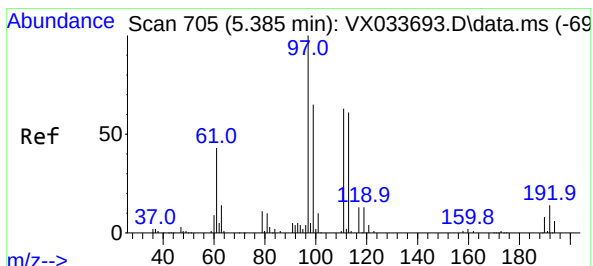
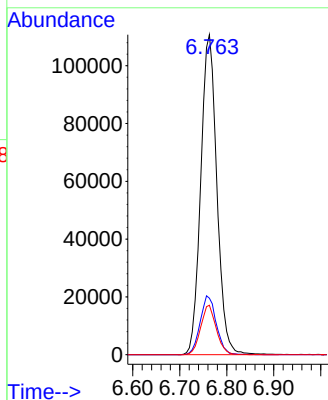
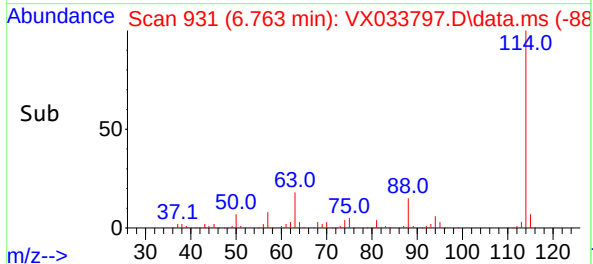


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

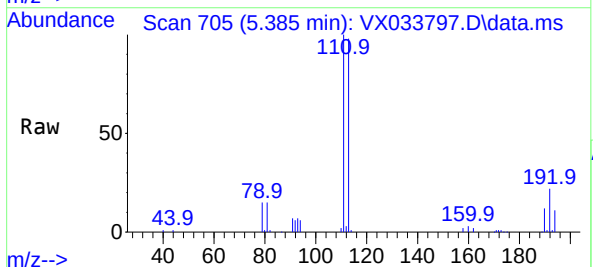
Instrument :
MSVOA_X
ClientSampleId :



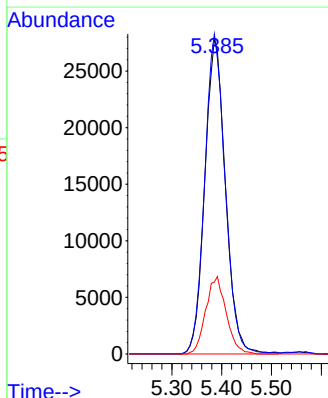
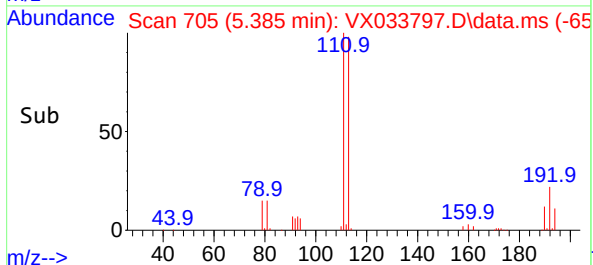
Tgt Ion:114 Resp: 263739
Ion Ratio Lower Upper
114 100
63 17.7 0.0 37.4
88 15.5 0.0 30.6

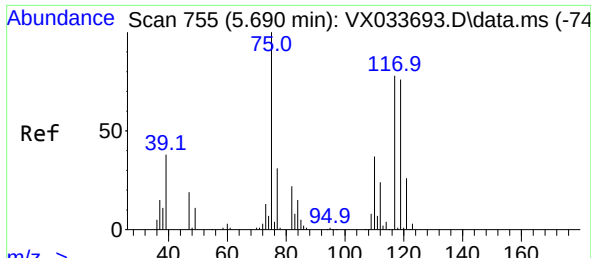


#35
Dibromofluoromethane
Concen: 48.855 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38



Tgt Ion:113 Resp: 80009
Ion Ratio Lower Upper
113 100
111 100.8 83.0 124.6
192 24.3 19.0 28.4





#36

1,1-Dichloropropene

Concen: 4.524 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

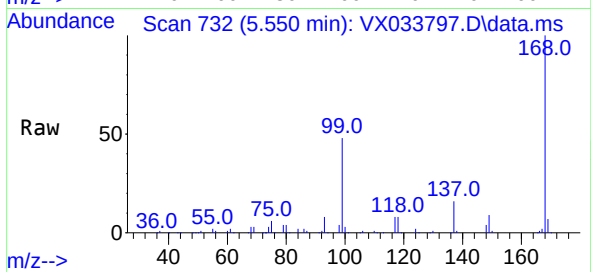
Lab File: VX033797.D

Acq: 19 Jan 2023 13:38

Instrument :

MSVOA_X

ClientSampleId :



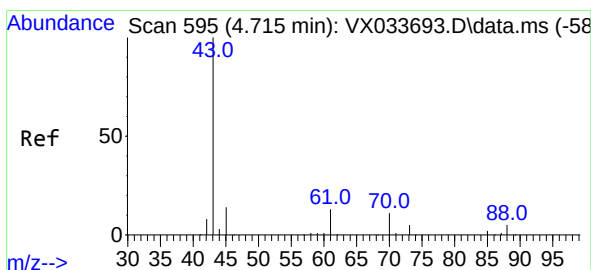
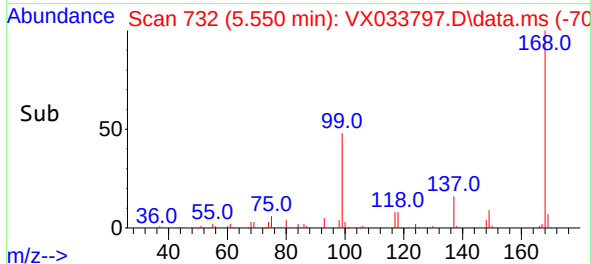
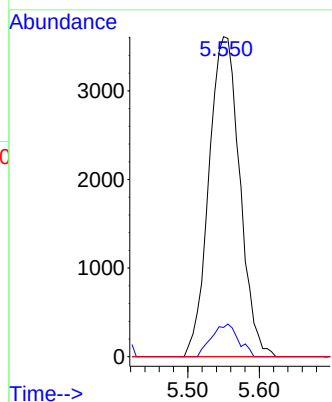
Tgt Ion: 75 Resp: 10813

Ion Ratio Lower Upper

75 100

110 8.9 18.8 56.4#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 7.689 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX033797.D

Acq: 19 Jan 2023 13:38

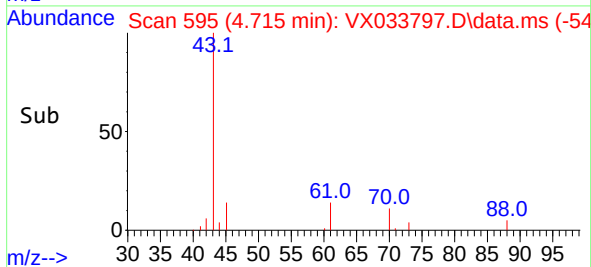
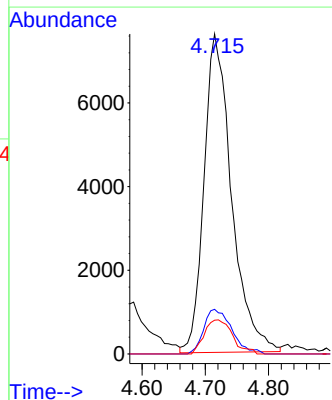
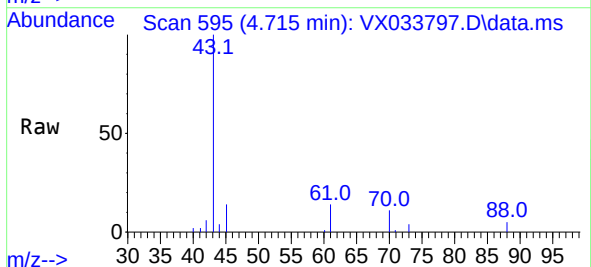
Tgt Ion: 43 Resp: 23052

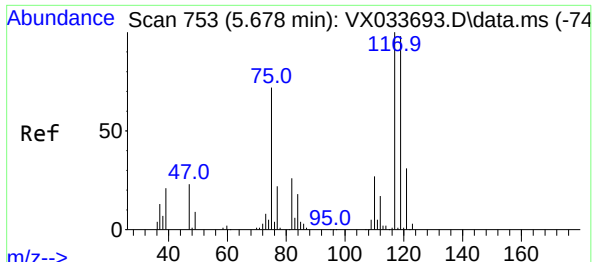
Ion Ratio Lower Upper

43 100

61 14.3 11.1 16.7

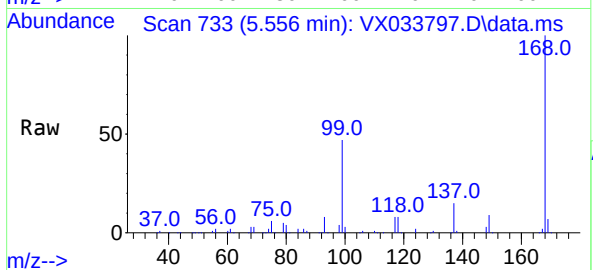
70 10.9 8.5 12.7



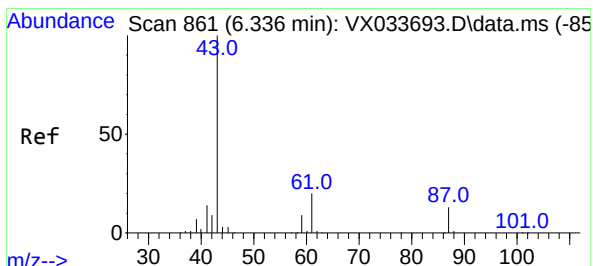
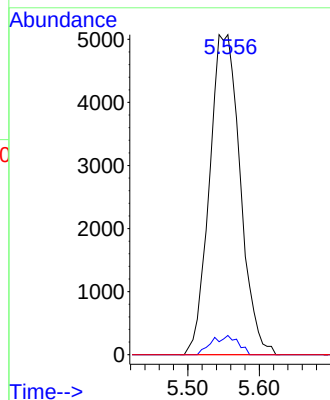
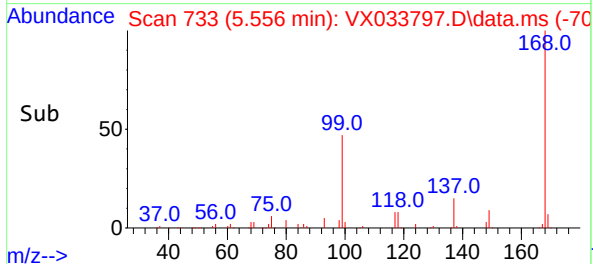


#38
Carbon Tetrachloride
Concen: 6.120 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

Instrument :
MSVOA_X
ClientSampleId :

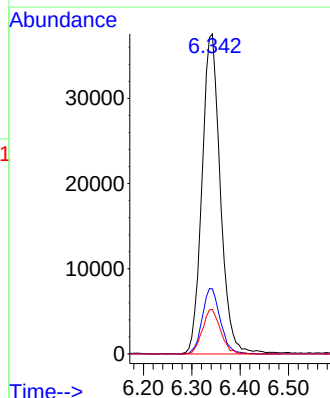
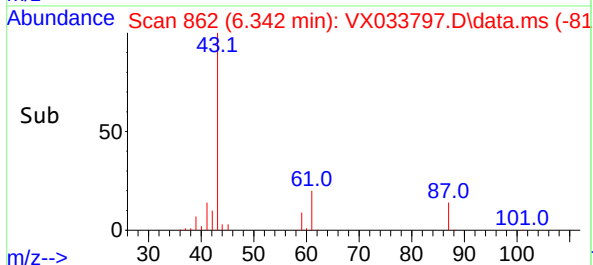
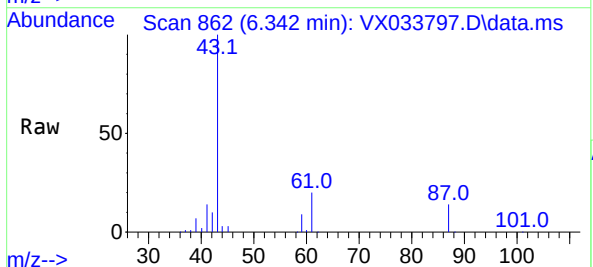


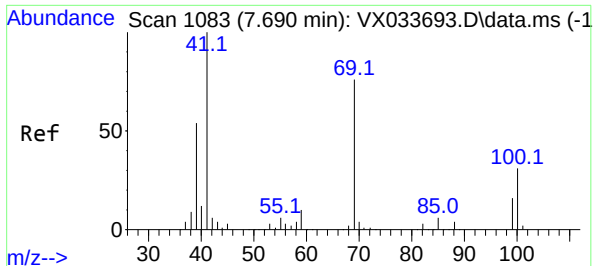
Tgt Ion:117 Resp: 15150
Ion Ratio Lower Upper
117 100
119 6.0 78.0 117.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 26.247 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

Tgt Ion: 43 Resp: 99037
Ion Ratio Lower Upper
43 100
61 20.1 15.7 23.5
87 13.7 10.6 15.8





#48

Methyl methacrylate

Concen: 43.475 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX033797.D

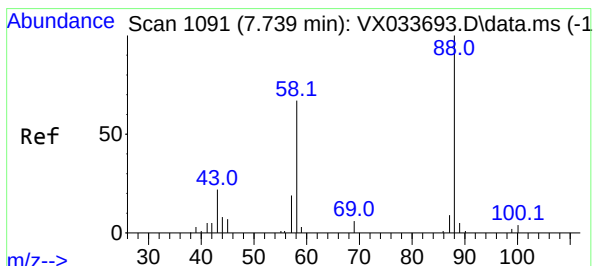
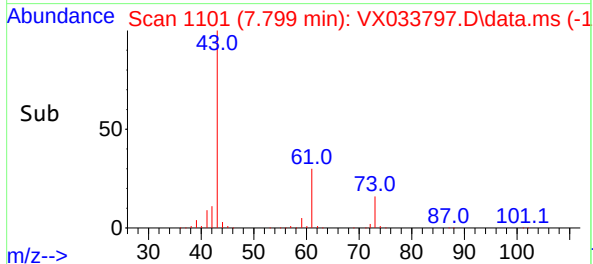
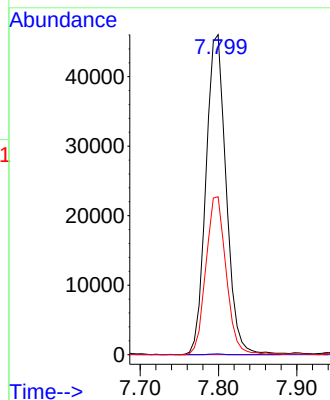
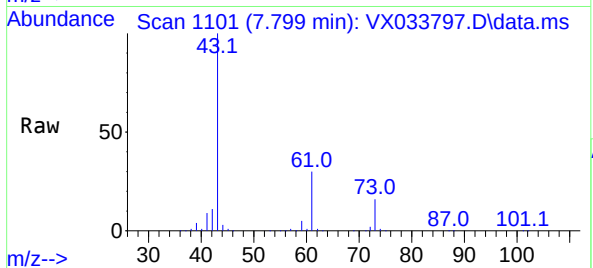
Acq: 19 Jan 2023 13:38

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	41	Resp:	82635
Ion	Ratio	Lower	Upper
41	100		
69	0.2	63.1	94.7#
39	49.3	43.2	64.8



#49

1,4-Dioxane

Concen: 2.997 ug/l

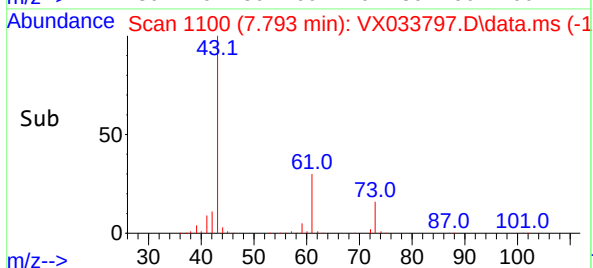
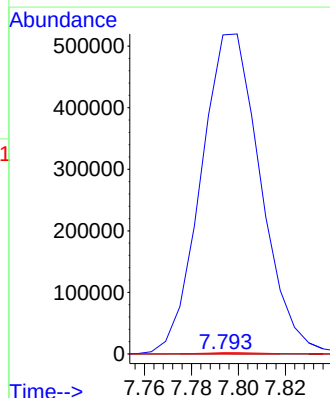
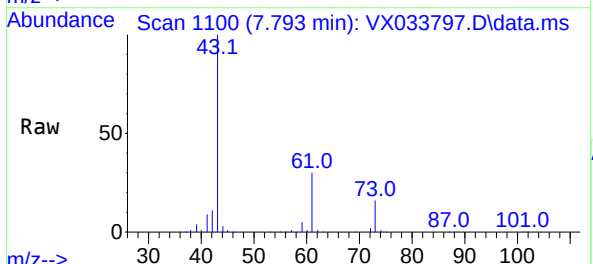
RT: 7.793 min Scan# 1100

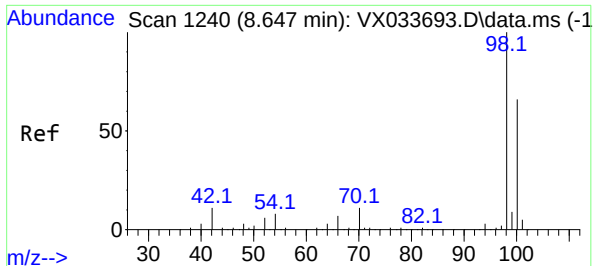
Delta R.T. 0.055 min

Lab File: VX033797.D

Acq: 19 Jan 2023 13:38

Tgt Ion:	88	Resp:	126
Ion	Ratio	Lower	Upper
88	100		
43	736894.4	0.0	0.0#
58	3022.2	56.5	84.7#

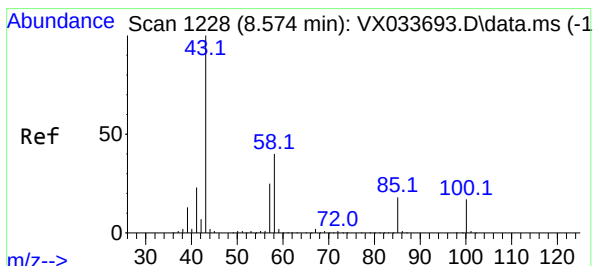
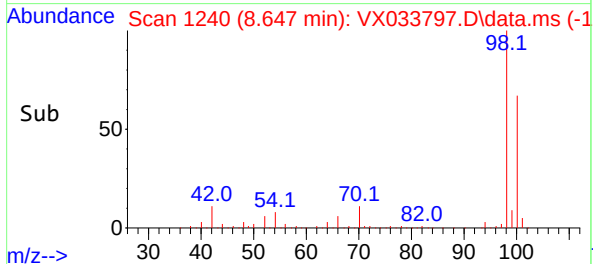
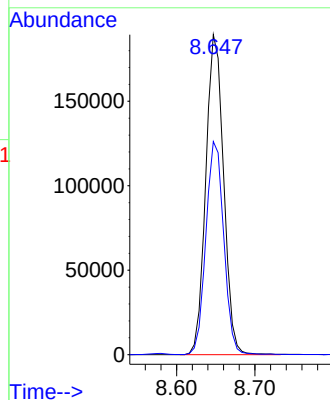
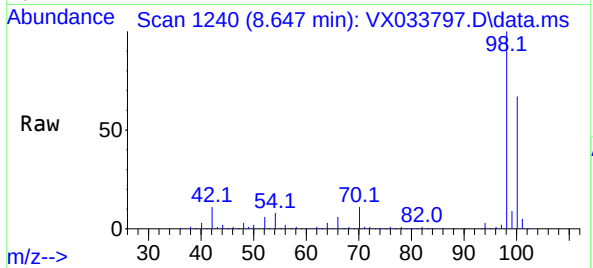




#50
Toluene-d8
Concen: 50.089 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

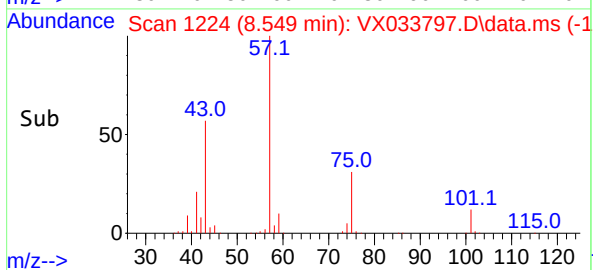
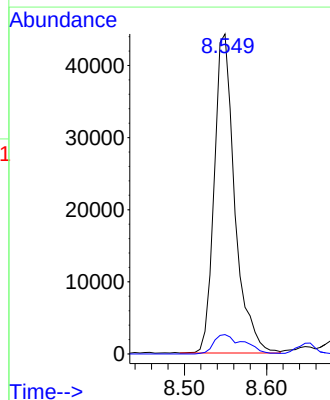
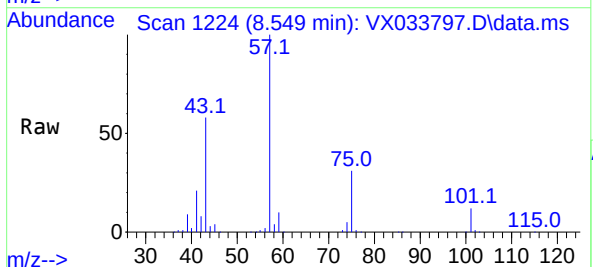
Instrument :
MSVOA_X
ClientSampleId :

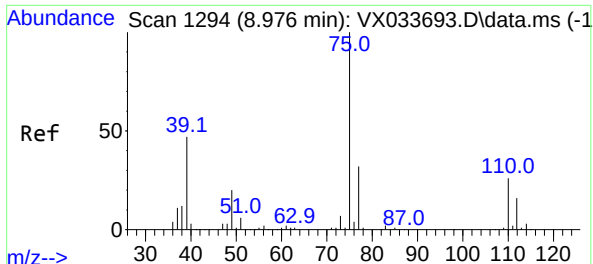
Tgt Ion: 98 Resp: 298877
Ion Ratio Lower Upper
98 100
100 67.0 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 33.101 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

Tgt Ion: 43 Resp: 76705
Ion Ratio Lower Upper
43 100
58 9.0 31.2 46.8#

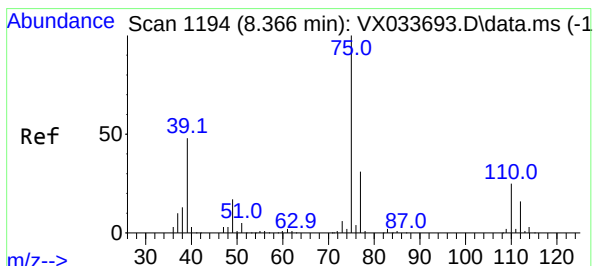
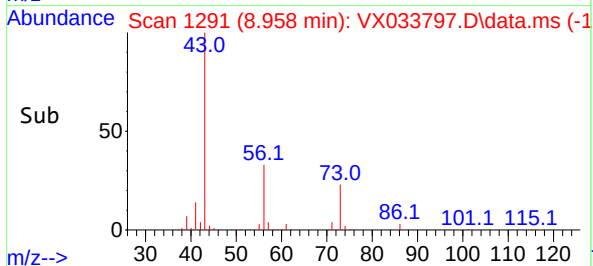
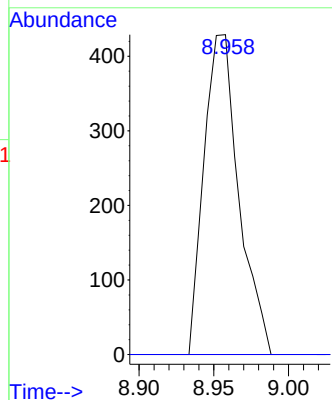
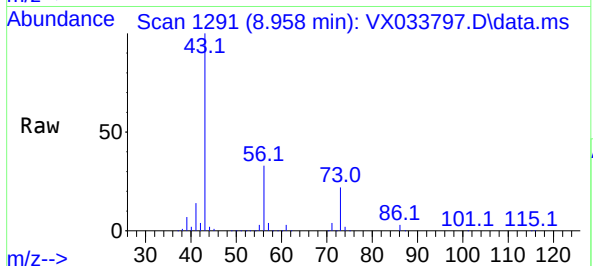




#53
t-1,3-Dichloropropene
Concen: 0.297 ug/l
RT: 8.958 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

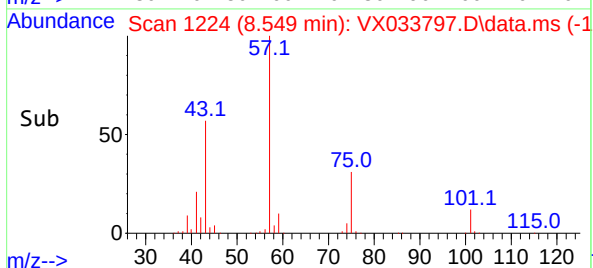
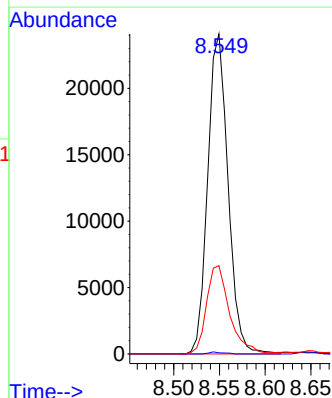
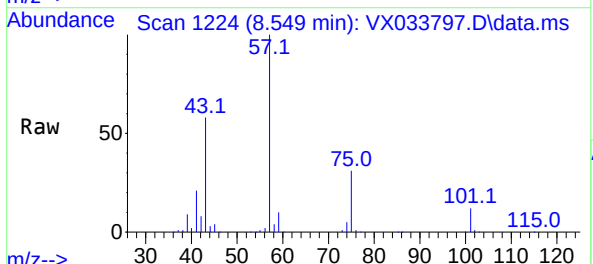
Instrument :
MSVOA_X
ClientSampleId :

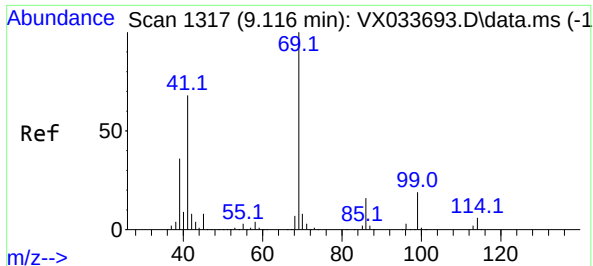
Tgt Ion: 75 Resp: 697
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#



#54
cis-1,3-Dichloropropene
Concen: 14.129 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

Tgt Ion: 75 Resp: 37193
Ion Ratio Lower Upper
75 100
77 0.3 25.0 37.6#
39 27.6 38.6 58.0#





#56

Ethyl methacrylate

Concen: 0.247 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.128 min

Lab File: VX033797.D

Acq: 19 Jan 2023 13:38

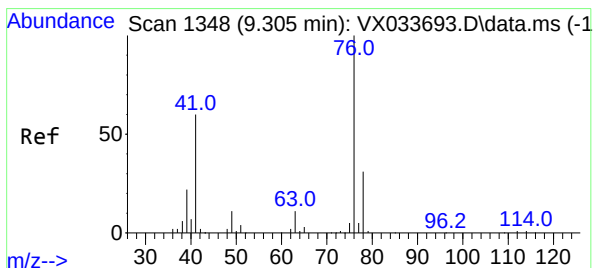
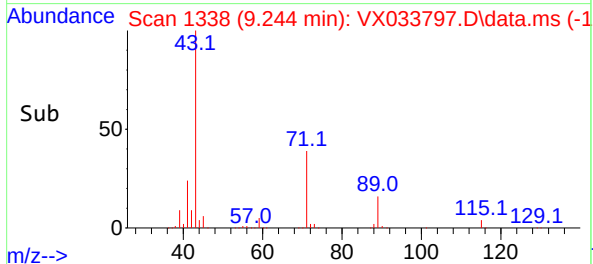
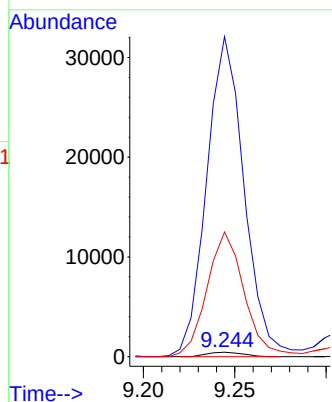
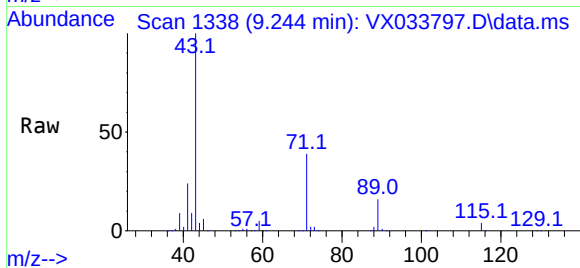
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 69 Resp: 620

Ion	Ratio	Lower	Upper
69	100		
41	7436.5	55.1	82.7#
39	2874.2	28.5	42.7#



#57

1,3-Dichloropropane

Concen: 1.587 ug/l

RT: 9.482 min Scan# 1377

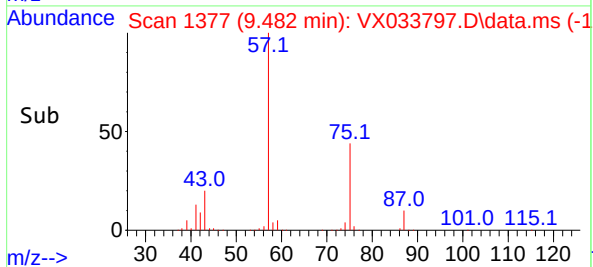
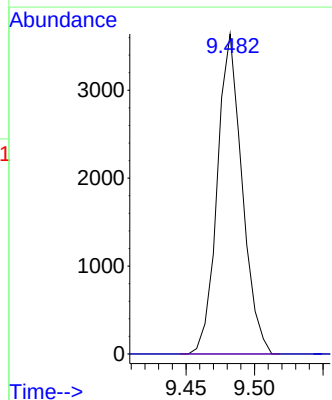
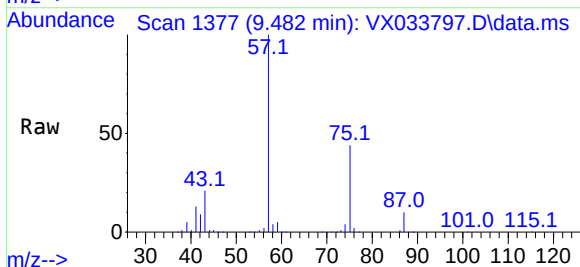
Delta R.T. 0.177 min

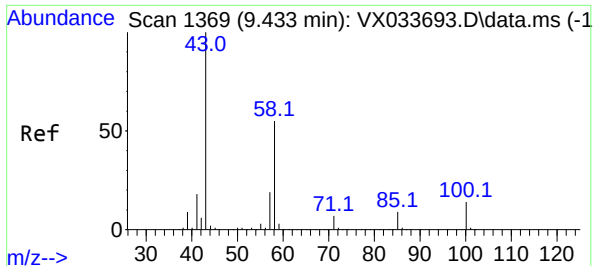
Lab File: VX033797.D

Acq: 19 Jan 2023 13:38

Tgt Ion: 76 Resp: 4583

Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.6	38.4#

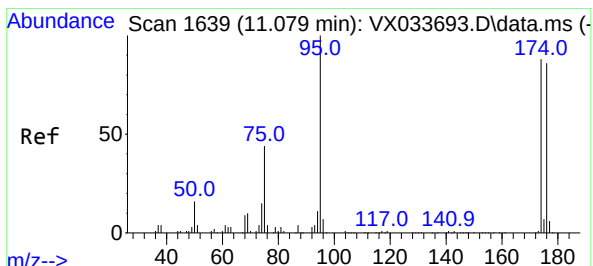
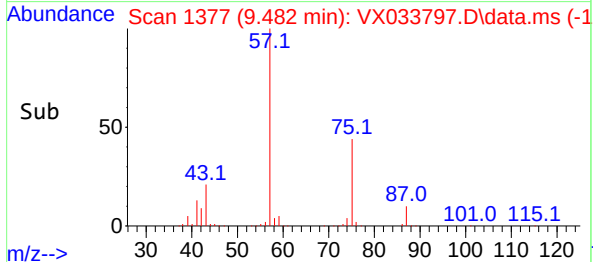
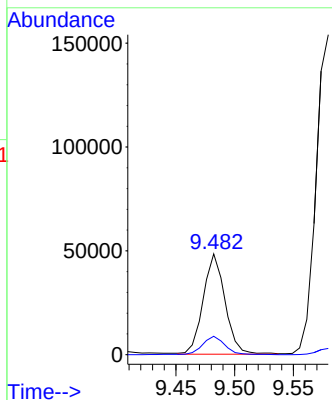
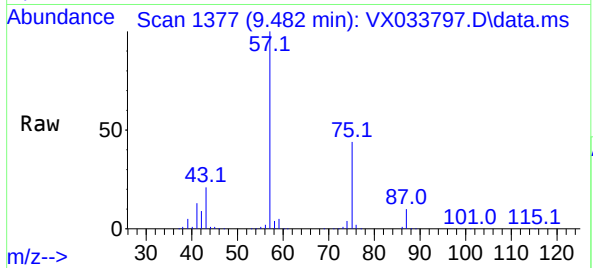




#59
2-Hexanone
Concen: 38.861 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

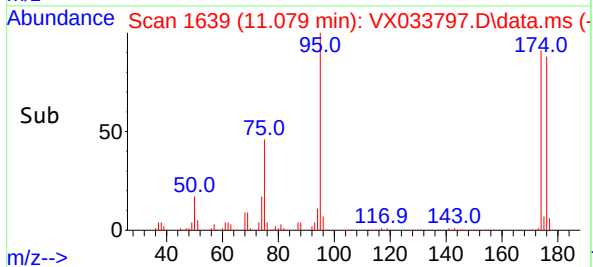
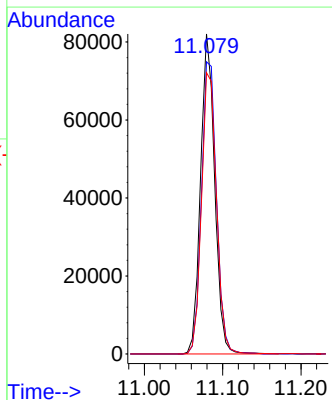
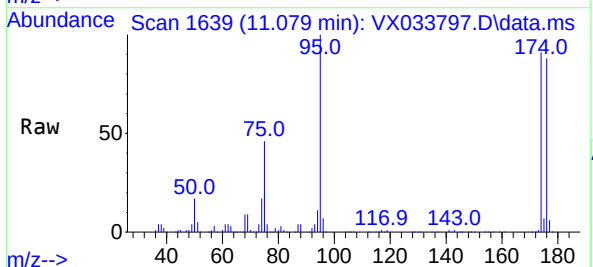
Instrument :
MSVOA_X
ClientSampleId :

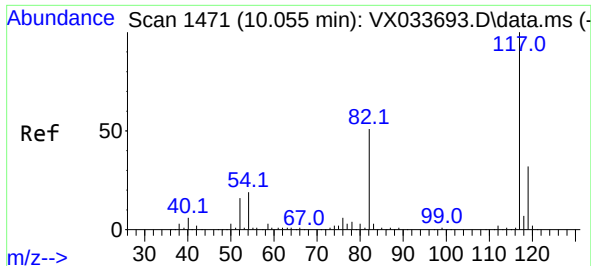
Tgt Ion: 43 Resp: 62679
Ion Ratio Lower Upper
43 100
58 19.1 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 46.310 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

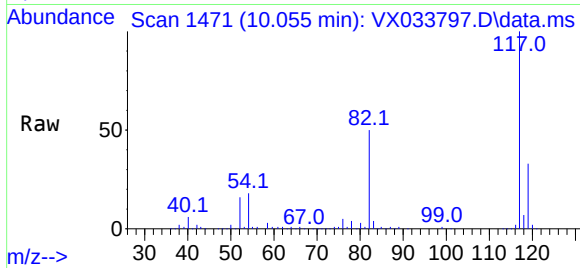
Tgt Ion: 95 Resp: 102596
Ion Ratio Lower Upper
95 100
174 97.1 0.0 184.4
176 93.6 0.0 178.8



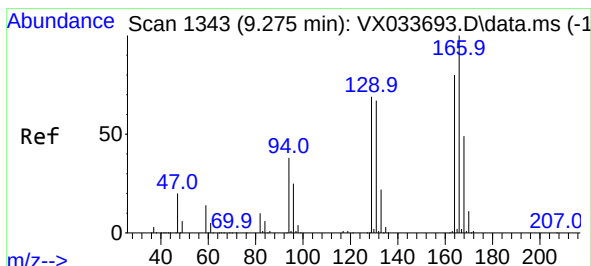
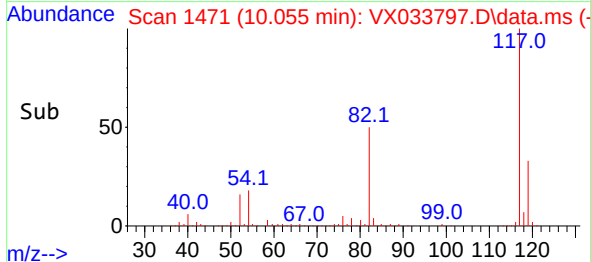
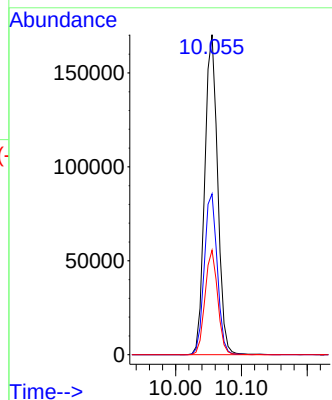


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

Instrument :
MSVOA_X
ClientSampleId :

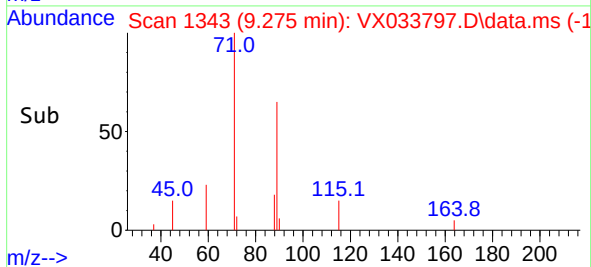
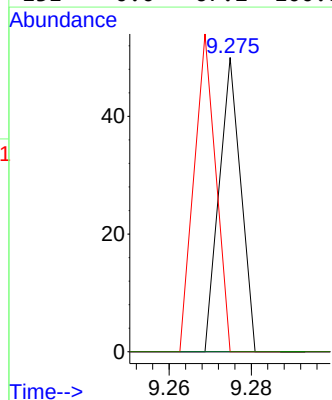
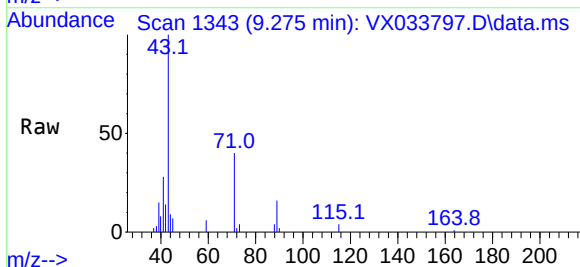


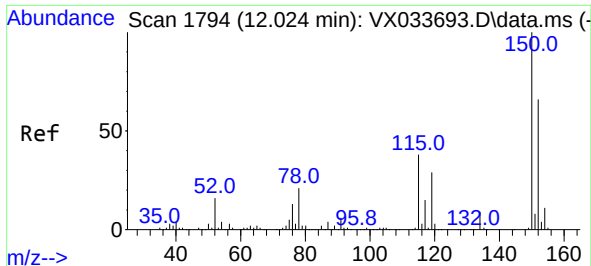
Tgt Ion:117 Resp: 232960
Ion Ratio Lower Upper
117 100
82 50.3 40.6 60.8
119 32.7 25.6 38.4



#64
Tetrachloroethene
Concen: Below Cal
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

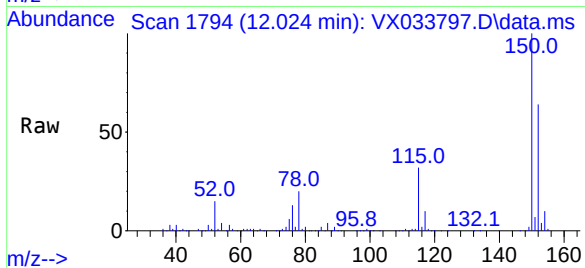
Tgt Ion:164 Resp: 18
Ion Ratio Lower Upper
164 100
166 0.0 100.2 150.2#
129 0.0 69.2 103.8#
131 0.0 67.2 100.8#



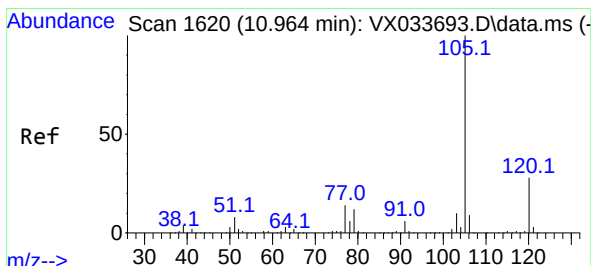
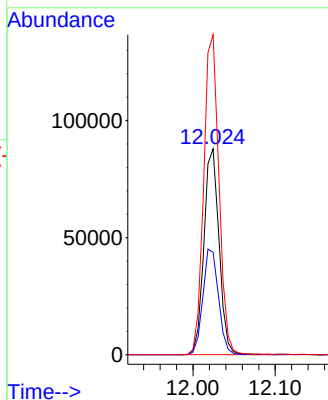
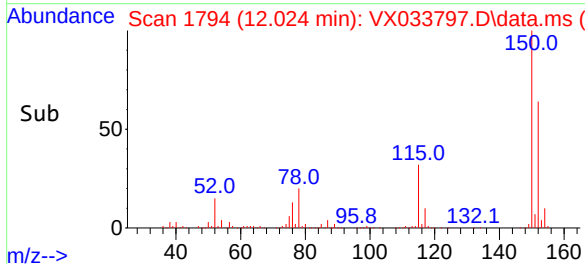


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

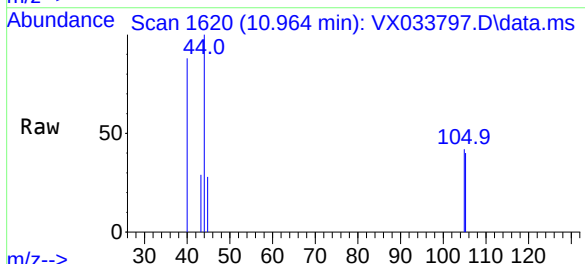
Instrument :
MSVOA_X
ClientSampleId :



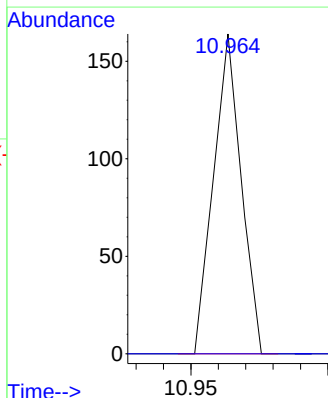
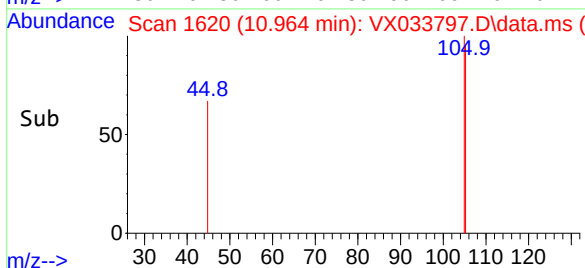
Tgt Ion:152 Resp: 112483
Ion Ratio Lower Upper
152 100
115 52.8 38.7 116.1
150 156.4 0.0 348.2

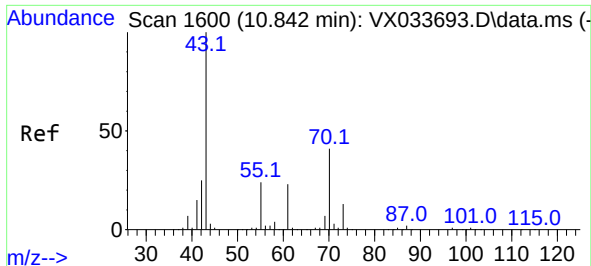


#73
Isopropylbenzene
Concen: Below Cal
RT: 10.964 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38



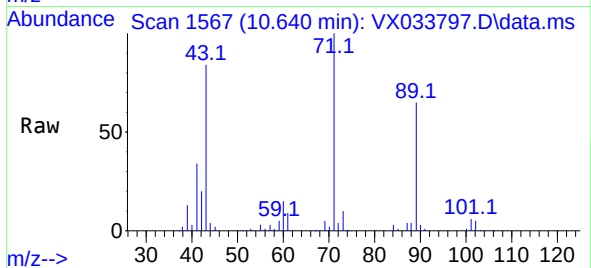
Tgt Ion:105 Resp: 115
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



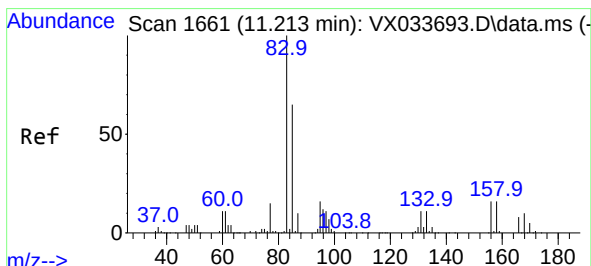
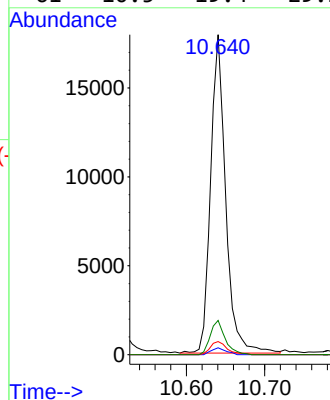
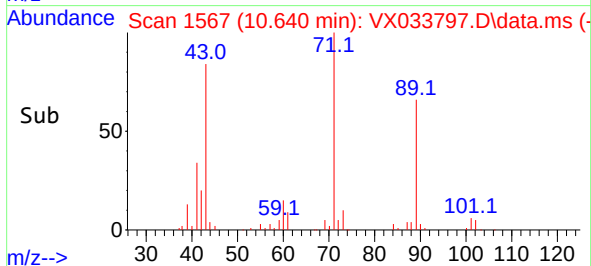


#74
N-amy1 acetate
Concen: 8.109 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.201 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

Instrument :
MSVOA_X
ClientSampleId :

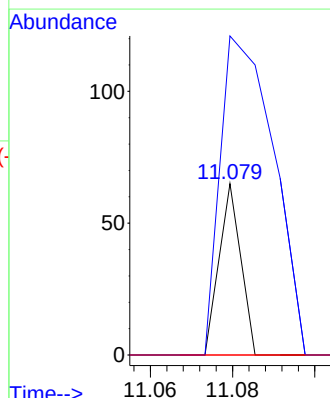
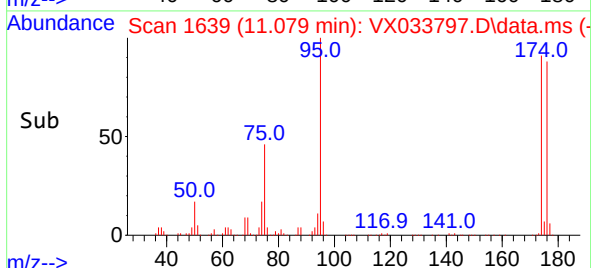
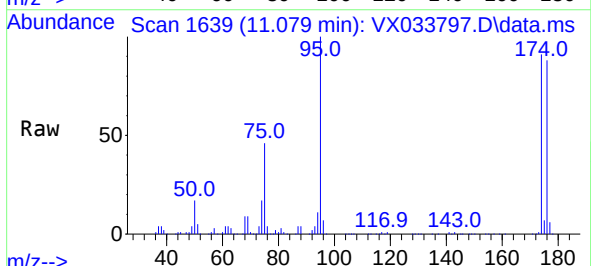


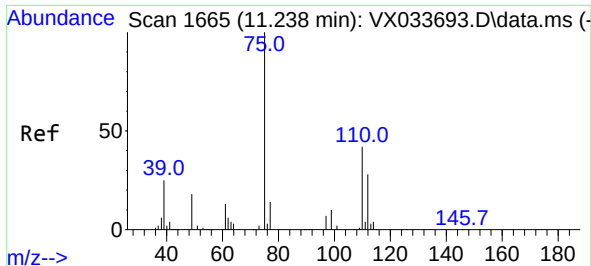
Tgt Ion: 43 Resp: 23951
Ion Ratio Lower Upper
43 100
70 2.1 34.8 52.2#
55 4.6 19.4 29.0#
61 10.5 19.4 29.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. -0.134 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

Tgt Ion: 83 Resp: 24
Ion Ratio Lower Upper
83 100
131 454.2 5.5 16.7#
85 0.0 32.3 96.9#

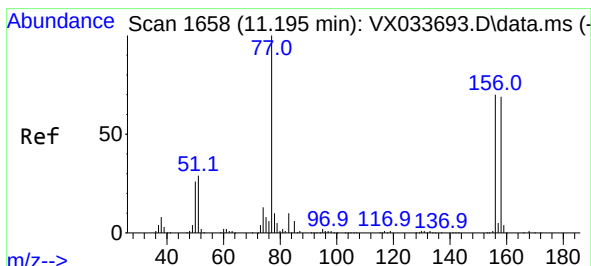
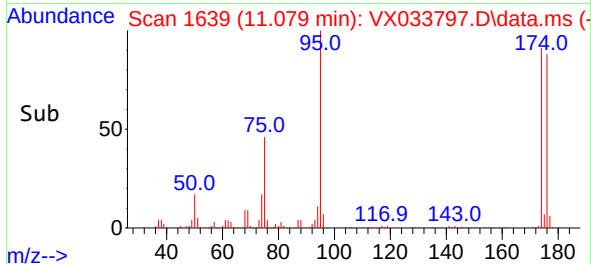
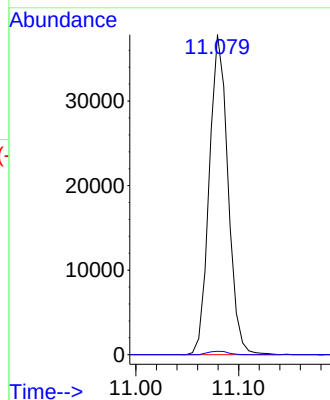
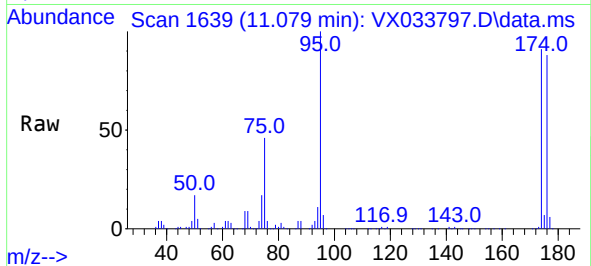




#76
1,2,3-Trichloropropane
Concen: 23.145 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

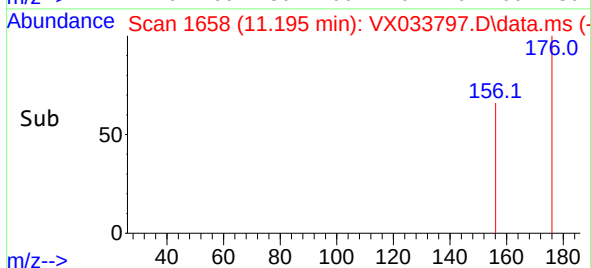
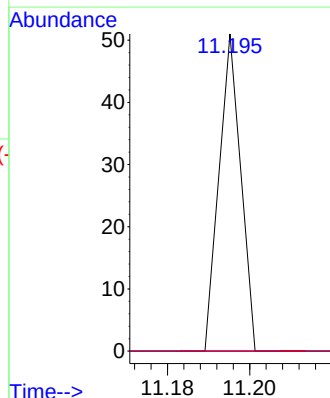
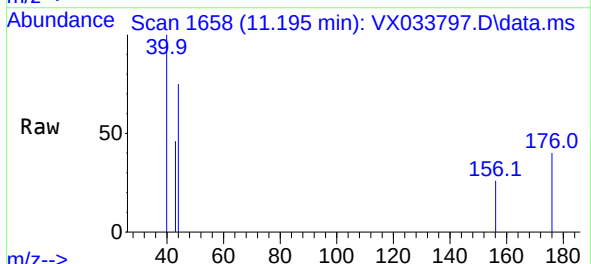
Instrument :
MSVOA_X
ClientSampleId :

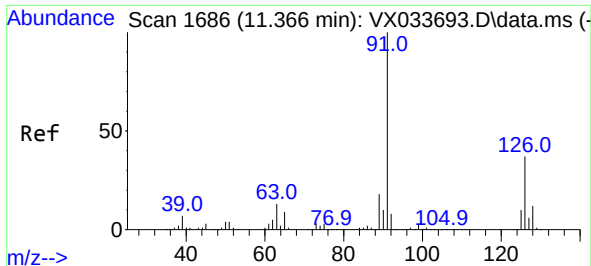
Tgt Ion: 75 Resp: 47834
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.4#



#77
Bromobenzene
Concen: Below Cal
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

Tgt Ion:156 Resp: 19
Ion Ratio Lower Upper
156 100
77 0.0 68.1 204.3#
158 0.0 48.0 144.2#

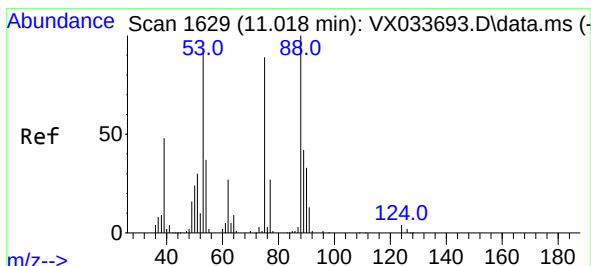
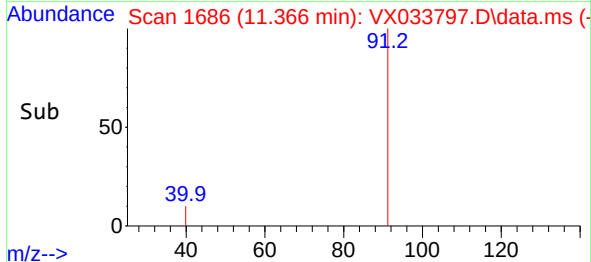
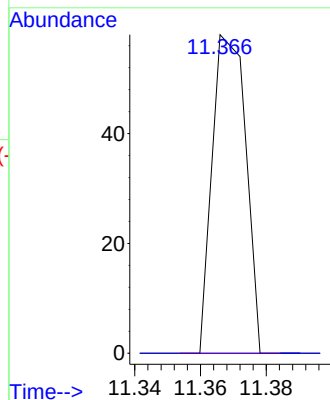
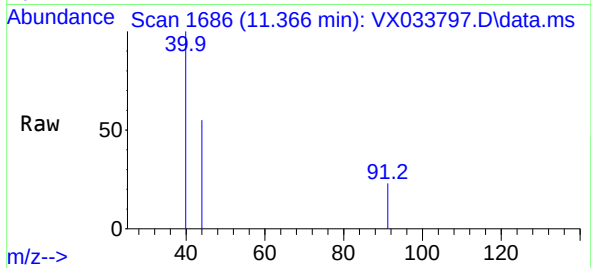




#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.366 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

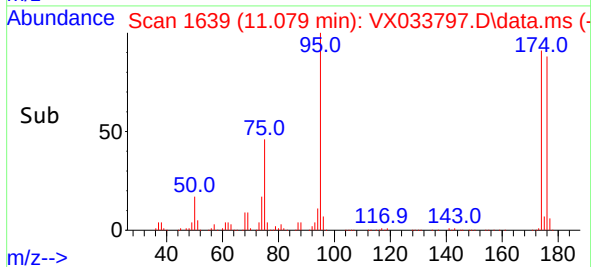
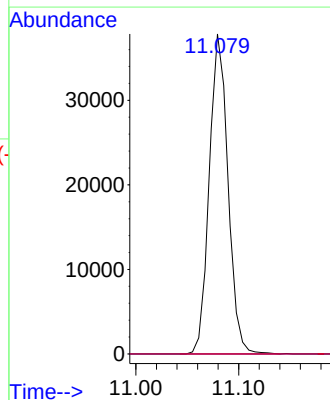
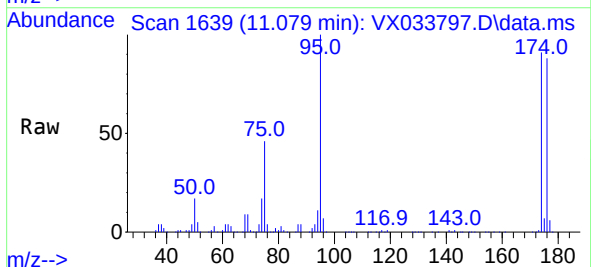
Instrument : MSVOA_X
ClientSampleId :

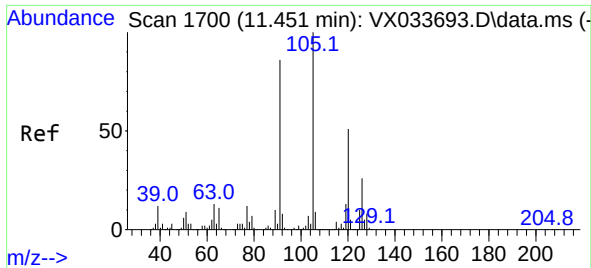
Tgt Ion: 91 Resp: 41
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.932 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033797.D
Acq: 19 Jan 2023 13:38

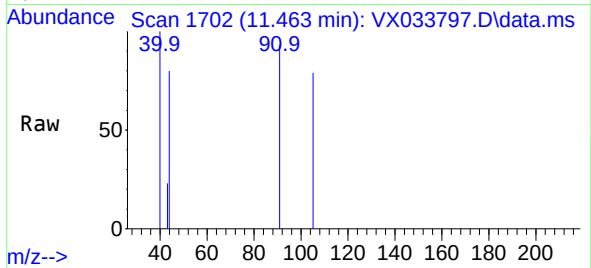
Tgt Ion: 75 Resp: 47834
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#





#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 11.463 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: VX033797.D
 Acq: 19 Jan 2023 13:38

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 91 Resp: 231
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.8 47.4#

