

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011923\
 Data File : VX033796.D
 Acq On : 19 Jan 2023 13:15
 Operator : JC/MD
 Sample : PB150330ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 20 05:20:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	173019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	250162	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83429	45.797	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.600%		
35) Dibromofluoromethane	5.385	113	75618	48.680	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.360%		
50) Toluene-d8	8.647	98	283652	50.117	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.240%		
62) 4-Bromofluorobenzene	11.079	95	94199	44.828	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.660%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.014	59	131	0.414	ug/l #	86
16) Acetone	2.392	43	24489	25.884	ug/l	91
17) Carbon Disulfide	2.514	76	677	2.005	ug/l #	76
18) Methyl Acetate	2.709	43	1964	0.773	ug/l	92
20) Methylene Chloride	2.788	84	12251	5.505	ug/l	94
25) 2-Butanone	4.574	43	4394	3.692	ug/l	95
29) Tetrahydrofuran	5.038	42	388	0.517	ug/l #	34
31) Cyclohexane	5.550	56	2641	0.985	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10290	4.539	ug/l #	40
37) Ethyl Acetate	4.715	43	22726	8.111	ug/l	100
38) Carbon Tetrachloride	5.556	117	14898	6.345	ug/l #	15
43) Isopropyl Acetate	6.336	43	99456	27.789	ug/l	98
48) Methyl methacrylate	7.799	41	82235	45.613	ug/l #	44
49) 1,4-Dioxane	7.799	88	150	3.761	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	77603	35.306	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	752	0.337	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	36947	14.797	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	4704	1.717	ug/l #	43
59) 2-Hexanone	9.482	43	63012	41.188	ug/l #	51
64) Tetrachloroethene	9.269	164	57	Below Cal	#	57
73) Isopropylbenzene	10.963	105	283	Below Cal		88
74) N-amyl acetate	10.817	43	728	0.290	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	11.079	83	69	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	43595	24.860	ug/l #	34
77) Bromobenzene	11.201	156	65	Below Cal		57
79) 2-Chlorotoluene	11.463	91	388	Below Cal		89
81) trans-1,4-Dichloro-2-b...	11.079	75	43595	77.264	ug/l #	8
82) 4-Chlorotoluene	11.463	91	388	Below Cal		80
94) Hexachlorobutadiene	13.725	225	400	0.390	ug/l	89

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

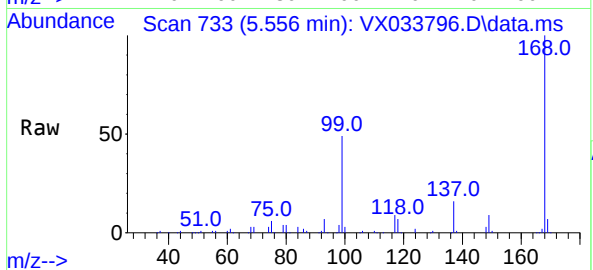
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration



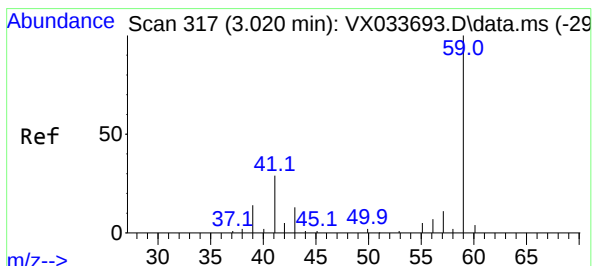
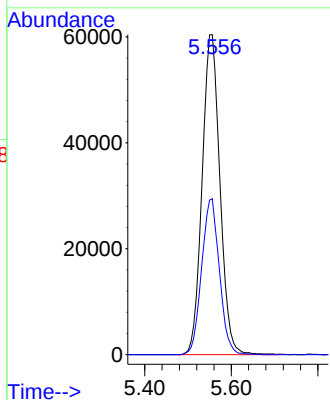
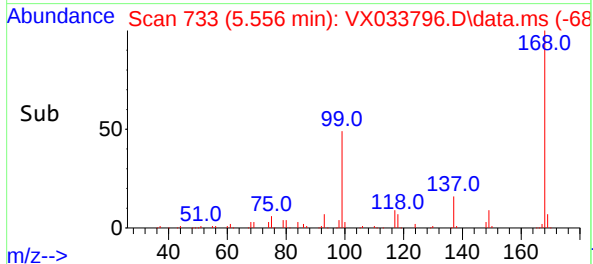


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

Instrument :
MSVOA_X
ClientSampleId :

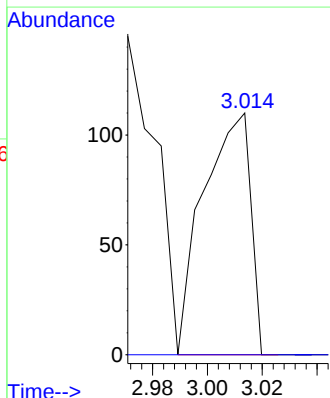
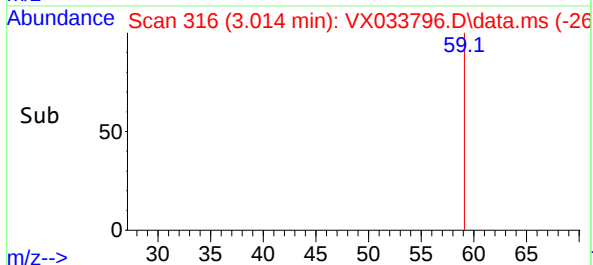
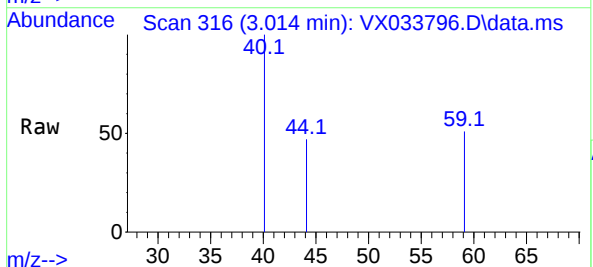


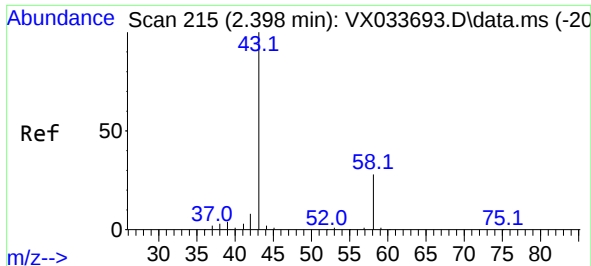
Tgt Ion:168 Resp: 173019
Ion Ratio Lower Upper
168 100
99 48.8 39.6 59.4



#11
Tert butyl alcohol
Concen: 0.414 ug/l
RT: 3.014 min Scan# 316
Delta R.T. -0.006 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

Tgt Ion: 59 Resp: 131
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

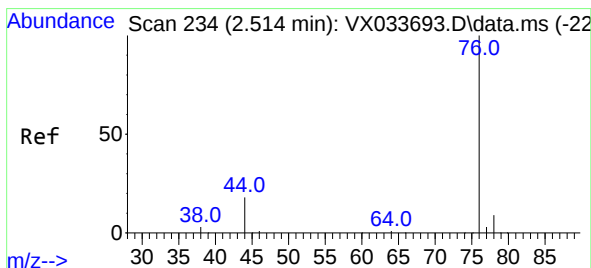
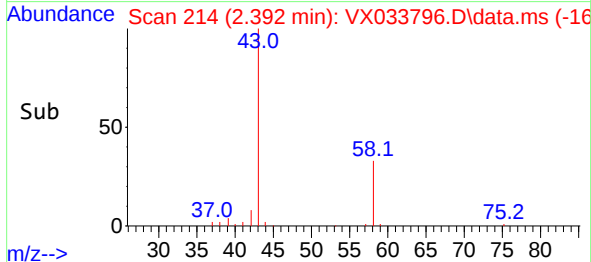
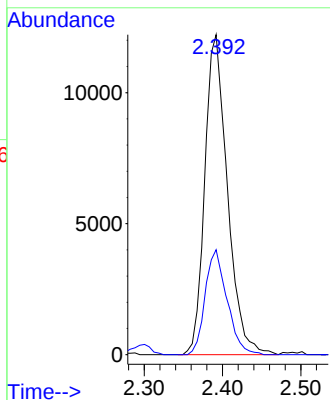
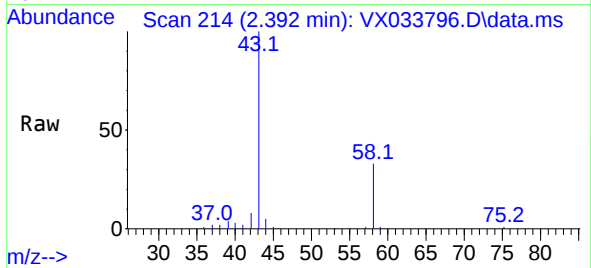




#16
Acetone
Concen: 25.884 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

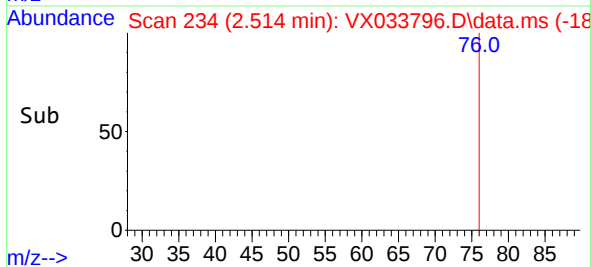
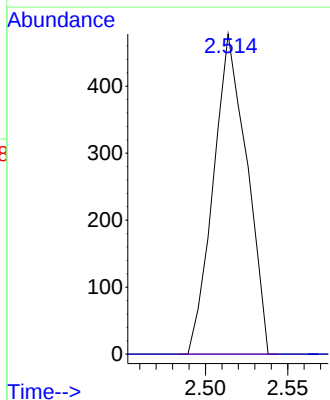
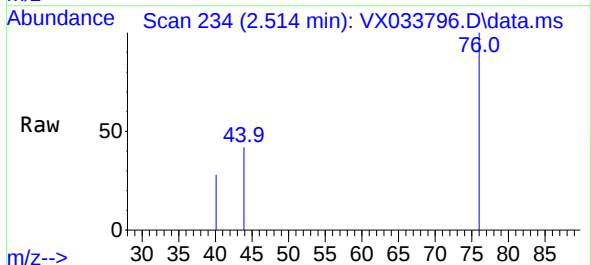
Instrument :
MSVOA_X
ClientSampleId :

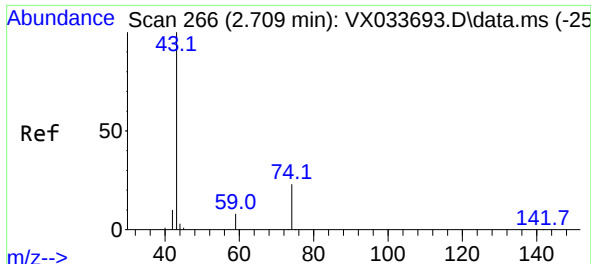
Tgt Ion: 43 Resp: 24489
Ion Ratio Lower Upper
43 100
58 32.8 22.6 33.8



#17
Carbon Disulfide
Concen: 2.005 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

Tgt Ion: 76 Resp: 677
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





#18

Methyl Acetate

Concen: 0.773 ug/l

RT: 2.709 min Scan# 266

Delta R.T. -0.000 min

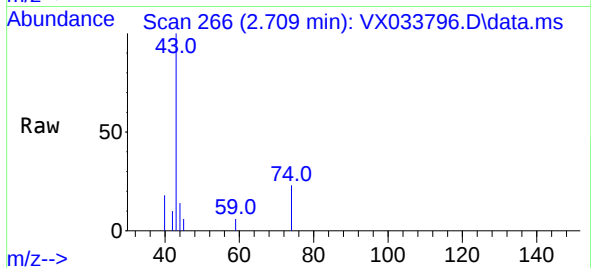
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Acq: 19 Jan 2023 13:15

Instrument :

MSVOA_X

ClientSampleId :

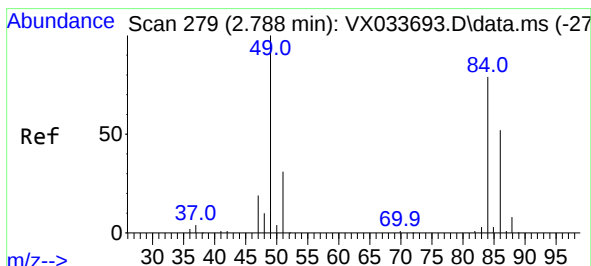
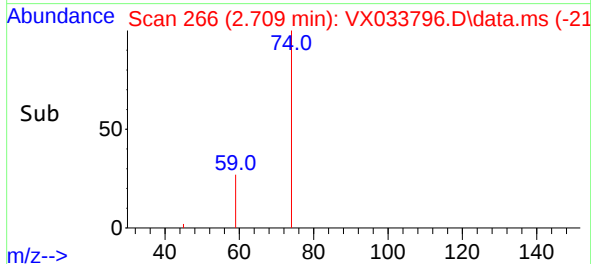
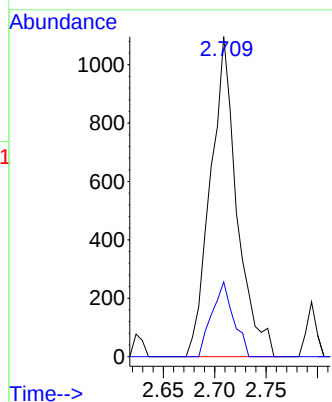


Tgt Ion: 43 Resp: 1964

Ion Ratio Lower Upper

43 100

74 19.0 18.2 27.4



#20

Methylene Chloride

Concen: 5.505 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX033796.D

Acq: 19 Jan 2023 13:15

Tgt Ion: 84 Resp: 12251

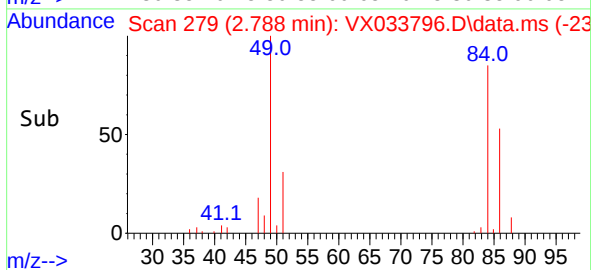
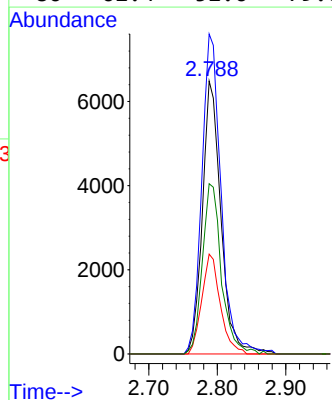
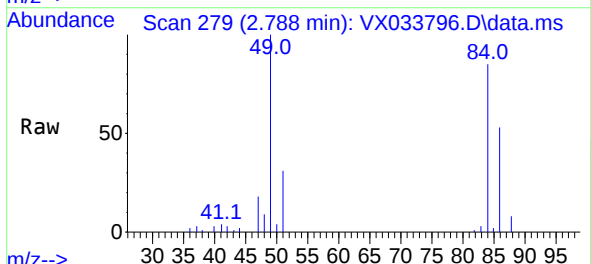
Ion Ratio Lower Upper

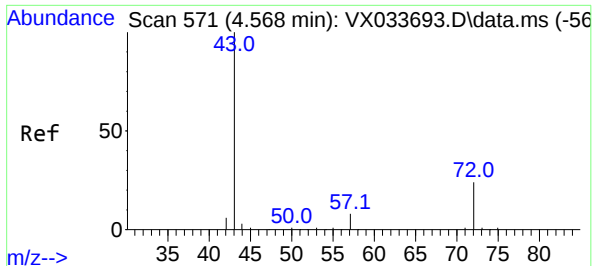
84 100

49 117.2 101.1 151.7

51 36.6 31.0 46.6

86 62.4 52.6 79.0





#25

2-Butanone

Concen: 3.692 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX033796.D

Acq: 19 Jan 2023 13:15

Instrument :

MSVOA_X

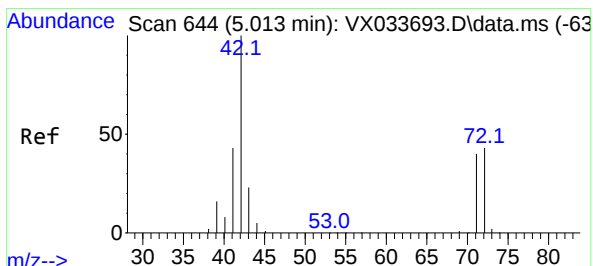
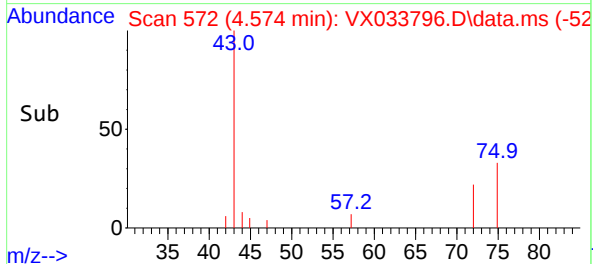
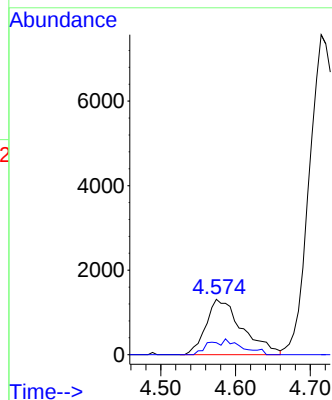
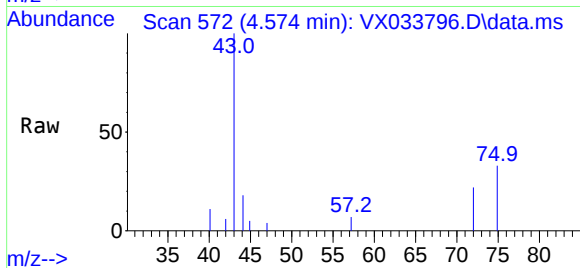
ClientSampleId :

Tgt Ion: 43 Resp: 4394

Ion Ratio Lower Upper

43 100

72 21.6 19.4 29.2



#29

Tetrahydrofuran

Concen: 0.517 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.024 min

Lab File: VX033796.D

Acq: 19 Jan 2023 13:15

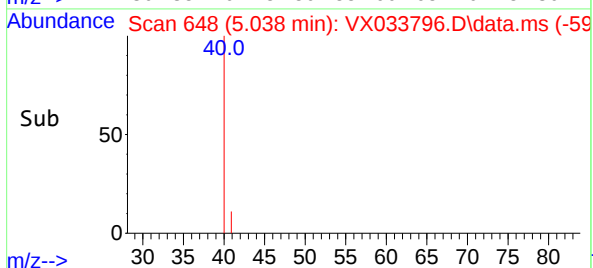
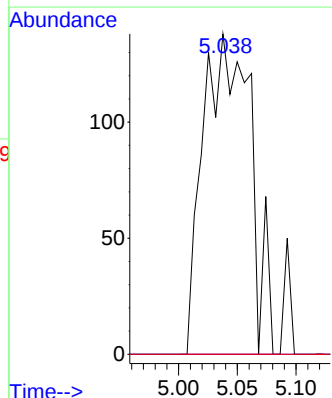
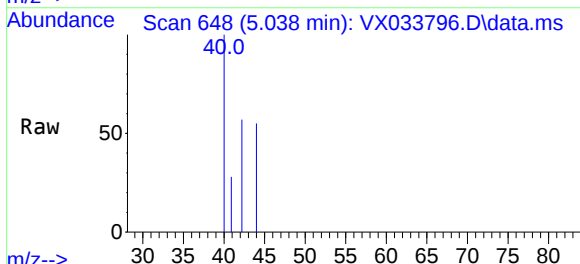
Tgt Ion: 42 Resp: 388

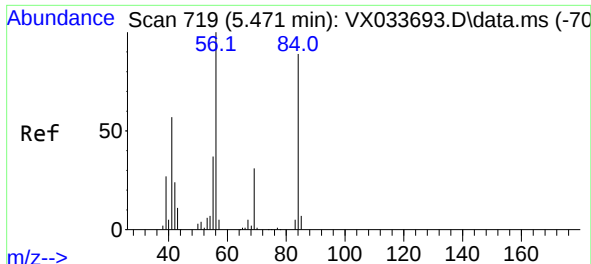
Ion Ratio Lower Upper

42 100

72 0.0 34.8 52.2#

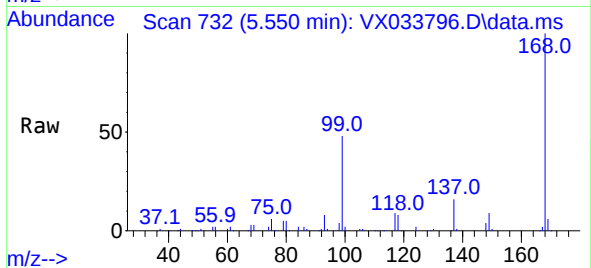
71 0.0 32.2 48.2#



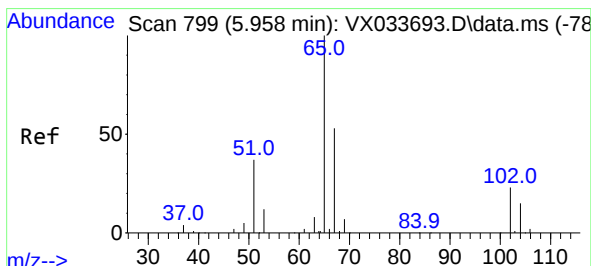
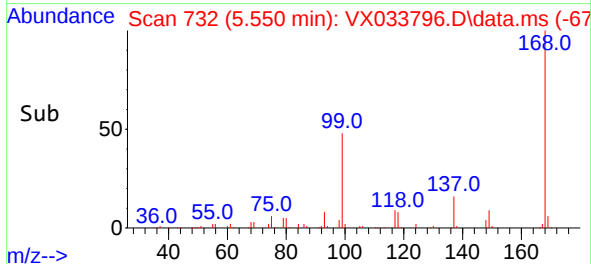
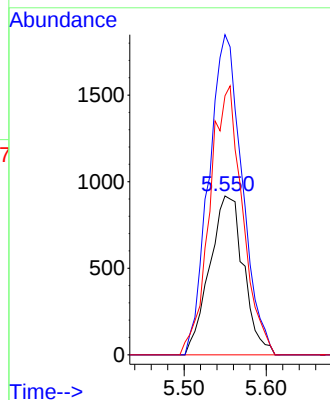


#31
Cyclohexane
Concen: 0.985 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

Instrument :
MSVOA_X
ClientSampleId :

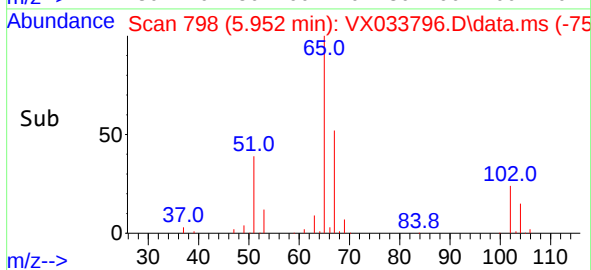
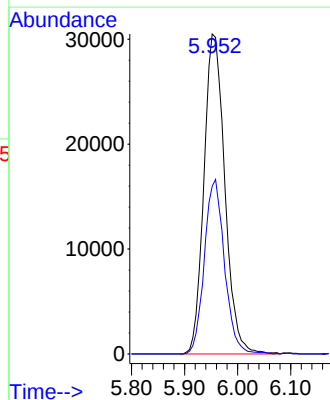
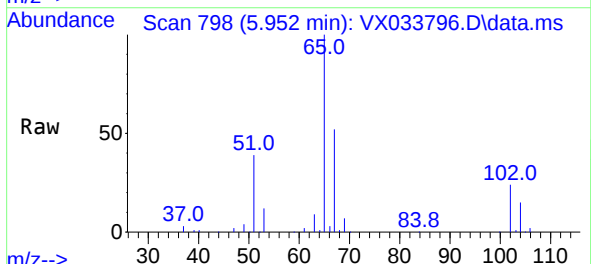


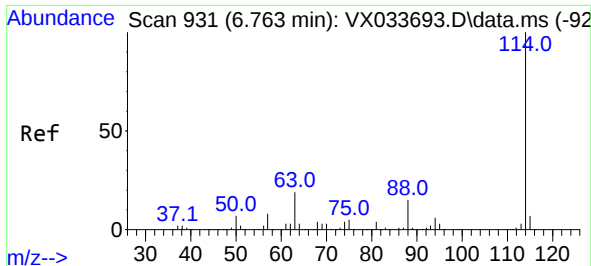
Tgt Ion: 56 Resp: 2641
Ion Ratio Lower Upper
56 100
69 201.6 24.6 37.0#
84 163.1 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 45.797 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

Tgt Ion: 65 Resp: 83429
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.8

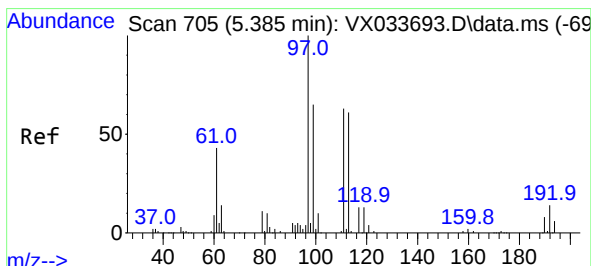
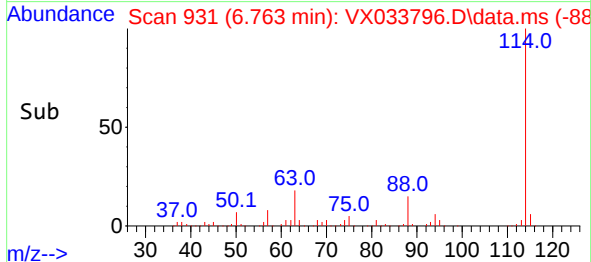
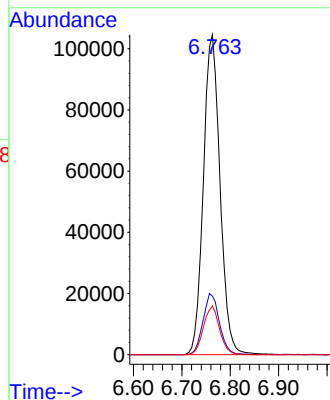
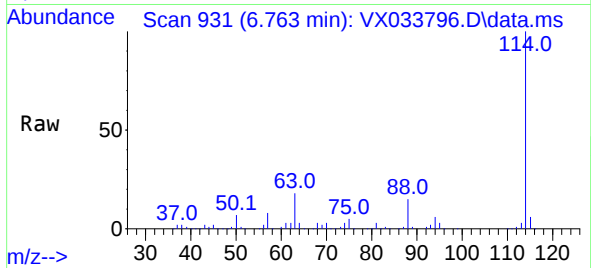




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

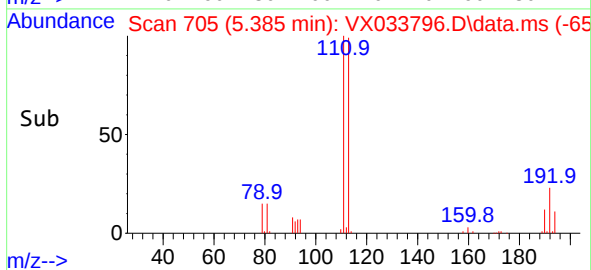
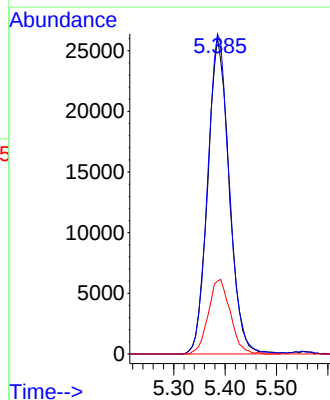
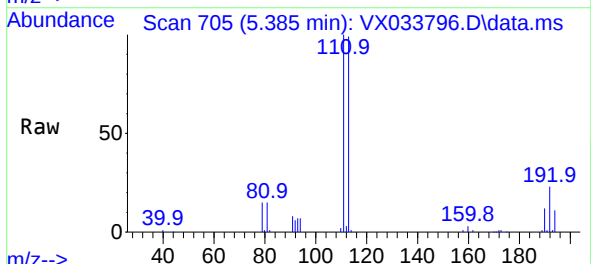
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MSVOA_X
ClientSampleId :

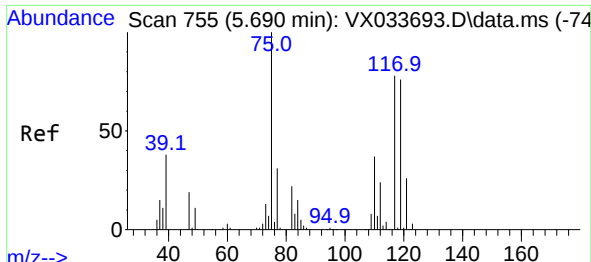
Tgt Ion:114 Resp: 250162
Ion Ratio Lower Upper
114 100
63 18.4 0.0 37.4
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.680 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

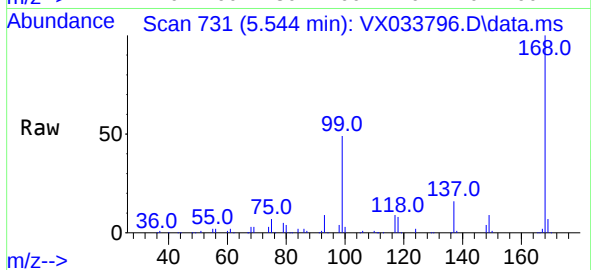
Tgt Ion:113 Resp: 75618
Ion Ratio Lower Upper
113 100
111 101.7 83.0 124.6
192 24.1 19.0 28.4



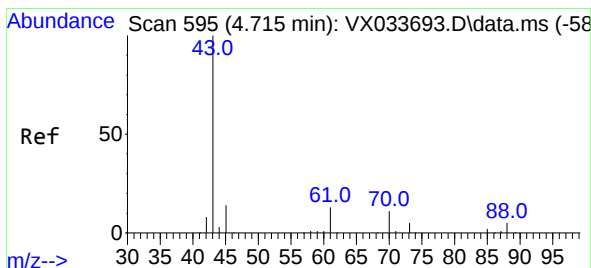
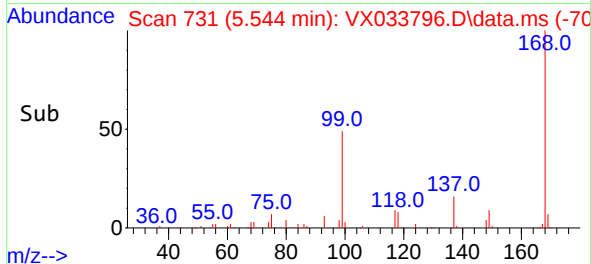
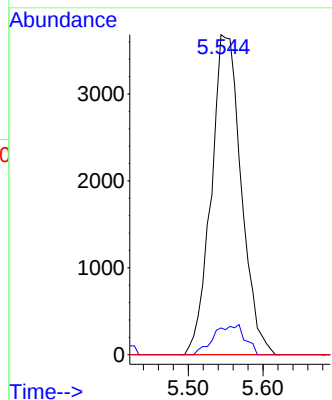


#36
1,1-Dichloropropene
Concen: 4.539 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

Instrument :
MSVOA_X
ClientSampleId :

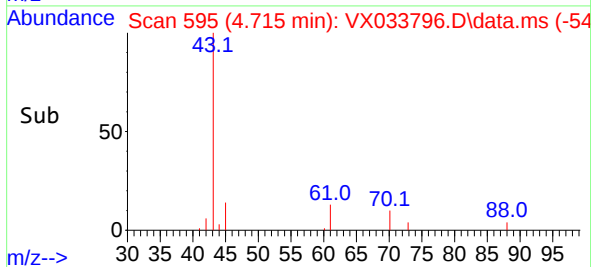
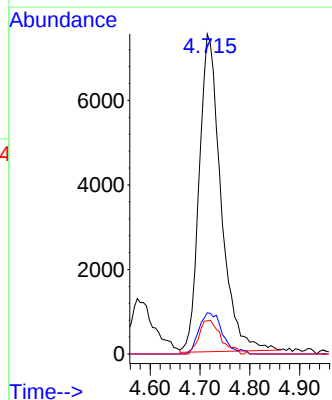
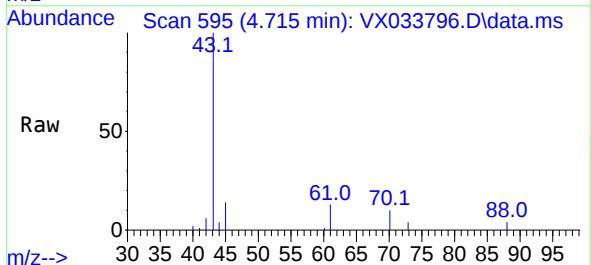


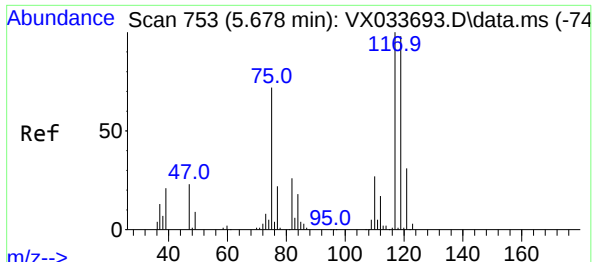
Tgt Ion: 75 Resp: 10290
Ion Ratio Lower Upper
75 100
110 0.0 18.8 56.4#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 8.111 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

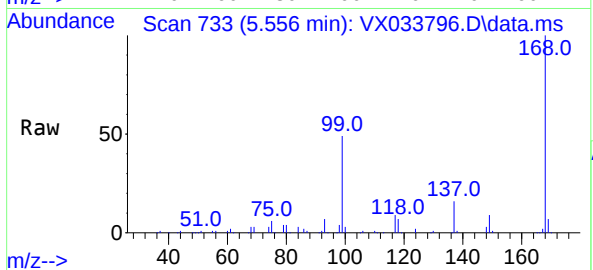
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Ion Ratio Lower Upper
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61 14.0 11.1 16.7
70 10.6 8.5 12.7



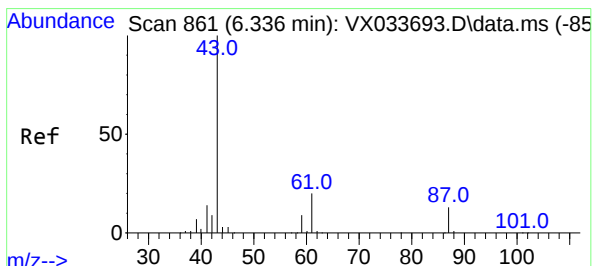
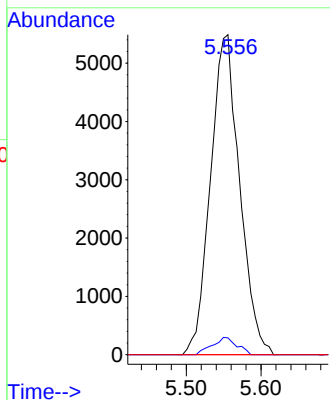
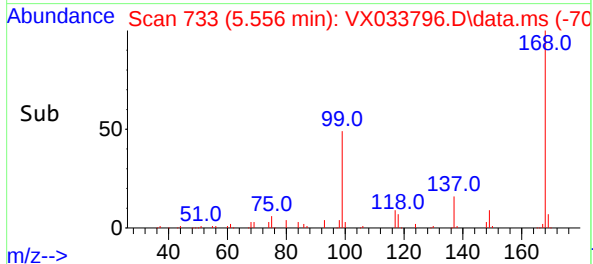


#38
Carbon Tetrachloride
Concen: 6.345 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

Instrument :
MSVOA_X
ClientSampleId :

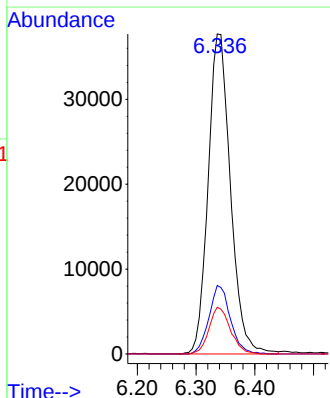
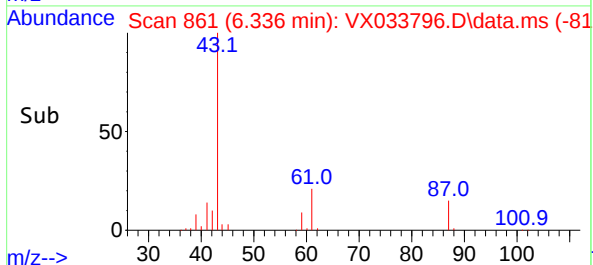
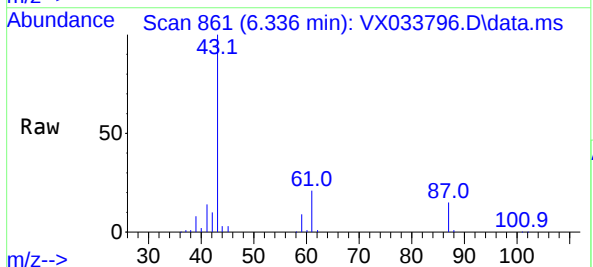


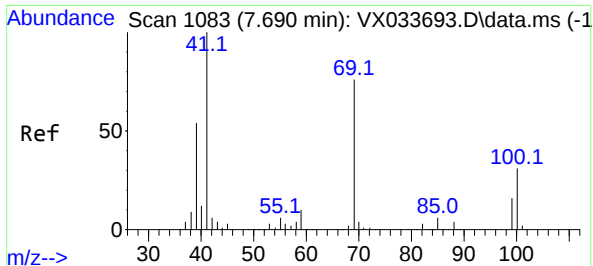
Tgt Ion:117 Resp: 14898
Ion Ratio Lower Upper
117 100
119 5.2 78.0 117.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 27.789 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

Tgt Ion: 43 Resp: 99456
Ion Ratio Lower Upper
43 100
61 20.5 15.7 23.5
87 14.0 10.6 15.8





#48

Methyl methacrylate

Concen: 45.613 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX033796.D

Acq: 19 Jan 2023 13:15

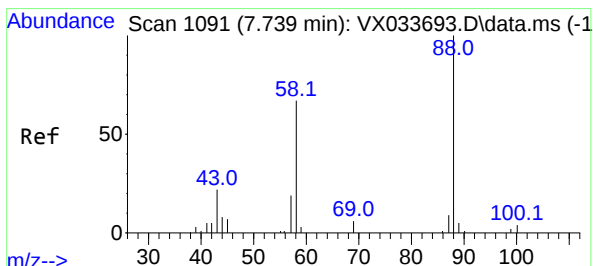
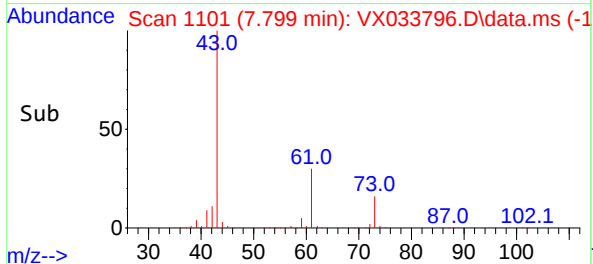
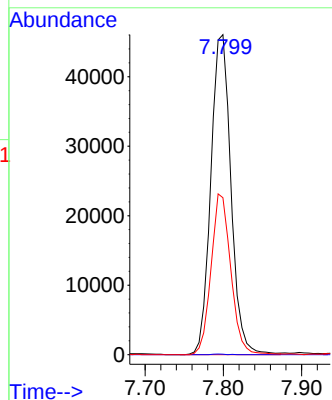
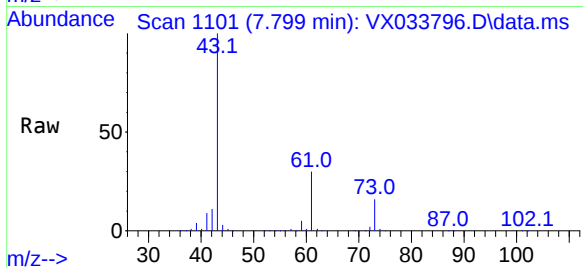
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 41 Resp: 82235

Ion	Ratio	Lower	Upper
41	100		
69	0.1	63.1	94.7#
39	49.3	43.2	64.8



#49

1,4-Dioxane

Concen: 3.761 ug/l

RT: 7.799 min Scan# 1101

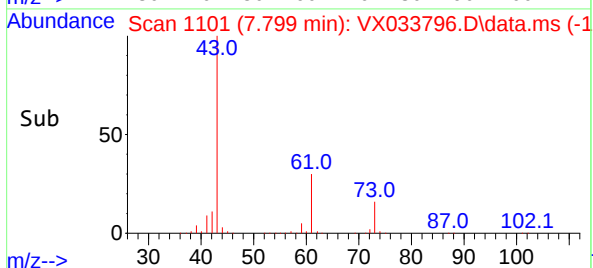
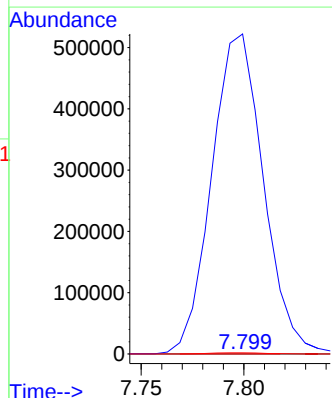
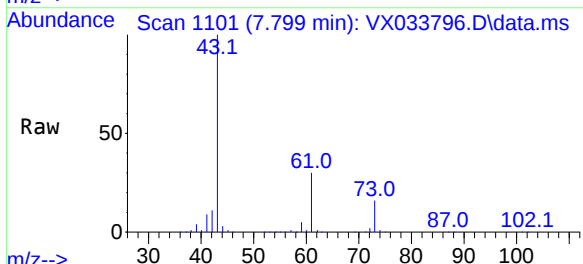
Delta R.T. 0.061 min

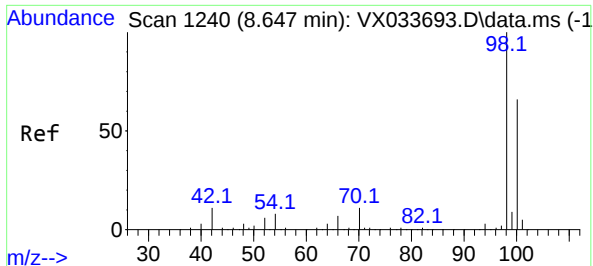
Lab File: VX033796.D

Acq: 19 Jan 2023 13:15

Tgt Ion: 88 Resp: 150

Ion	Ratio	Lower	Upper
88	100		
43	615740.7	0.0	0.0#
58	2310.0	56.5	84.7#

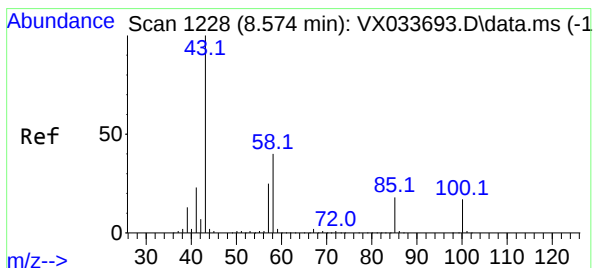
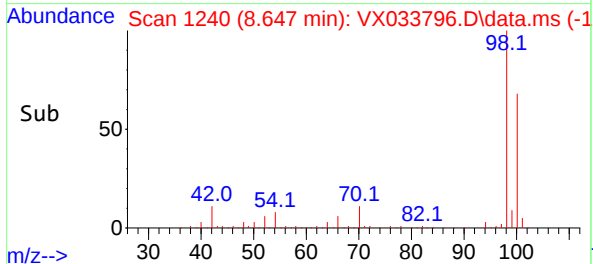
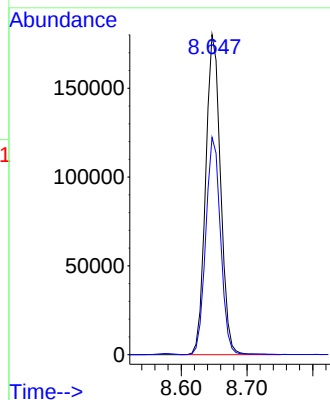
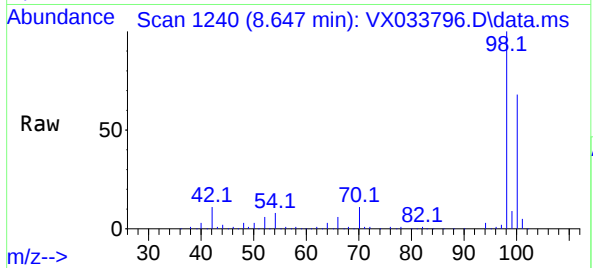




#50
Toluene-d8
Concen: 50.117 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

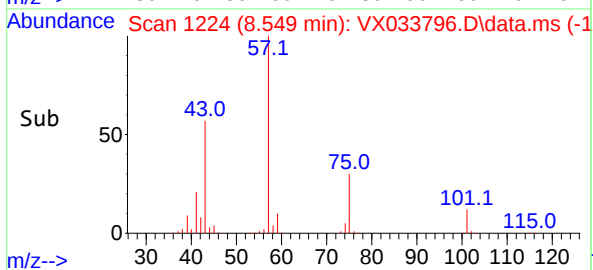
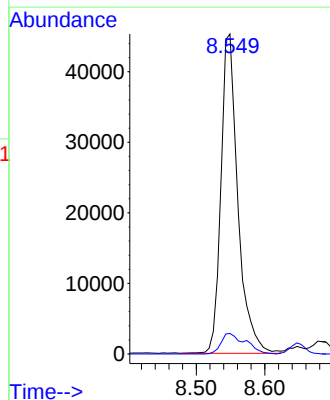
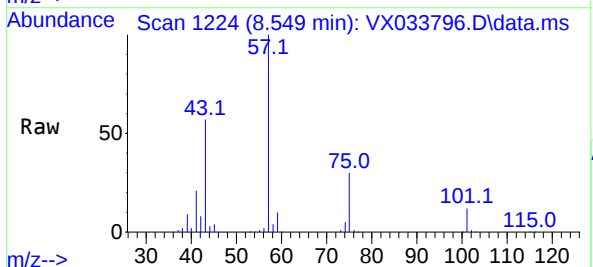
Instrument :
MSVOA_X
ClientSampleId :

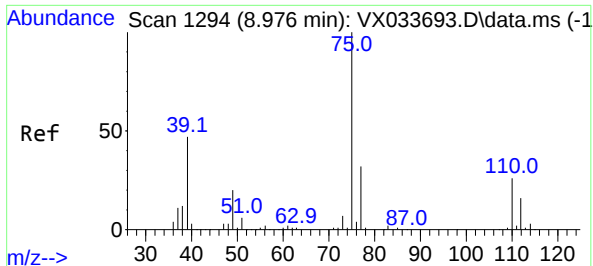
Tgt Ion: 98 Resp: 283652
Ion Ratio Lower Upper
98 100
100 67.4 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 35.306 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

Tgt Ion: 43 Resp: 77603
Ion Ratio Lower Upper
43 100
58 9.3 31.2 46.8#

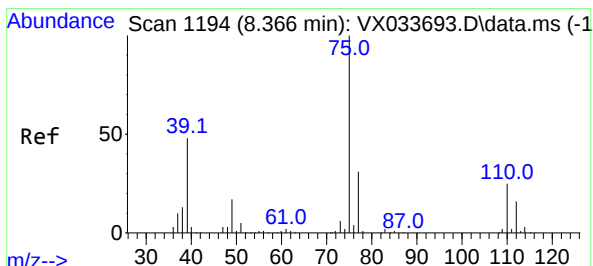
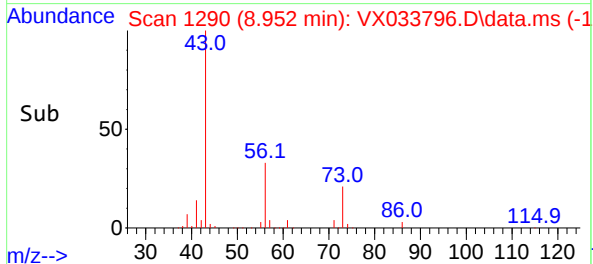
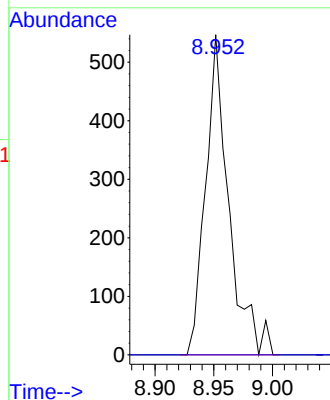
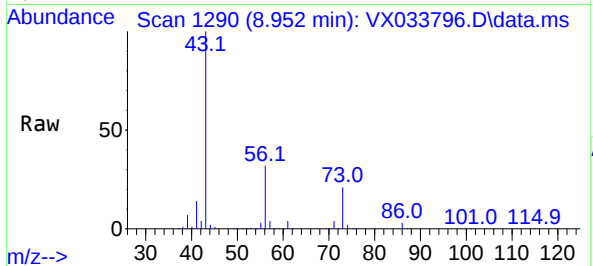




#53
 t-1,3-Dichloropropene
 Concen: 0.337 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.025 min
 Lab File: VX033796.D
 Acq: 19 Jan 2023 13:15

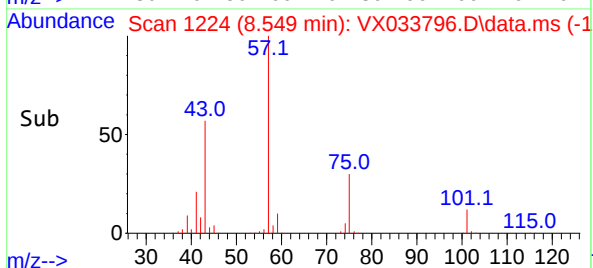
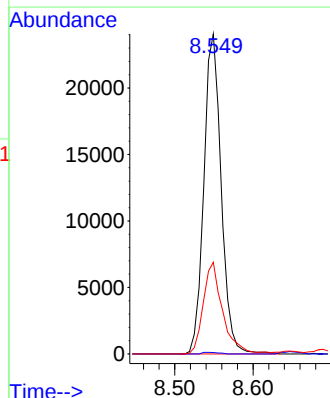
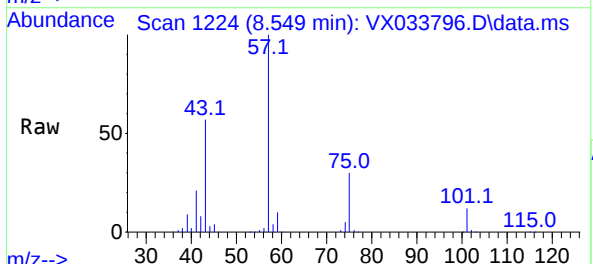
Instrument :
 MSVOA_X
 ClientSampleId :

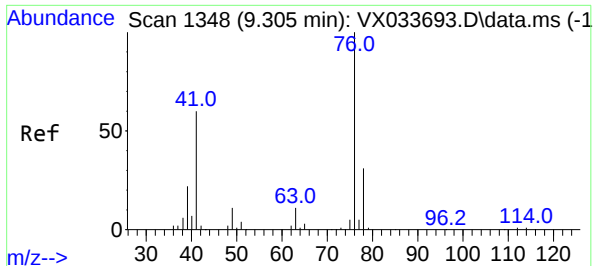
Tgt Ion: 75 Resp: 752
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#



#54
 cis-1,3-Dichloropropene
 Concen: 14.797 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX033796.D
 Acq: 19 Jan 2023 13:15

Tgt Ion: 75 Resp: 36947
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 28.6 38.6 58.0#





#57

1,3-Dichloropropane

Concen: 1.717 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX033796.D

Acq: 19 Jan 2023 13:15

Instrument :

MSVOA_X

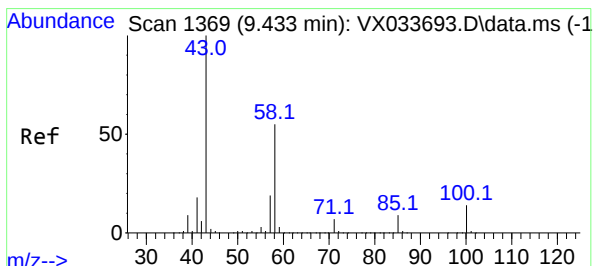
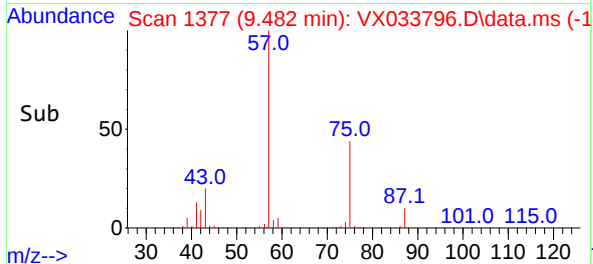
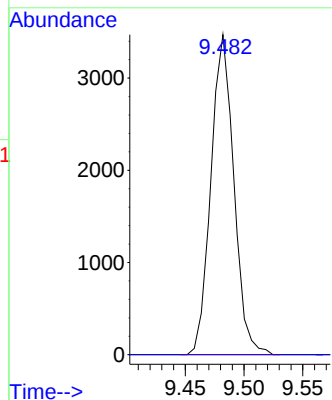
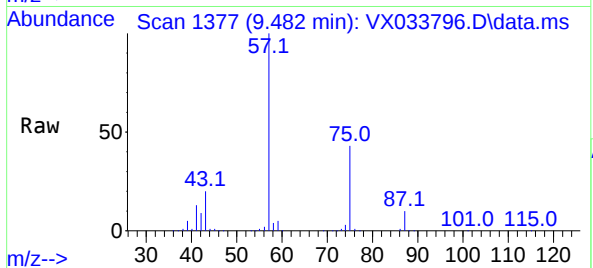
ClientSampleId :

Tgt Ion: 76 Resp: 4704

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 41.188 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033796.D

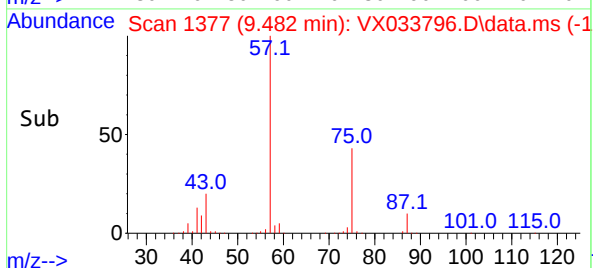
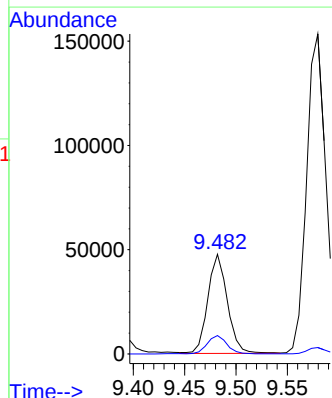
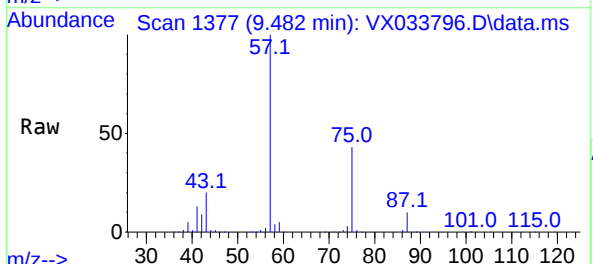
Acq: 19 Jan 2023 13:15

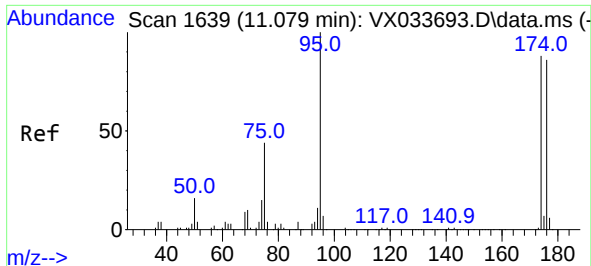
Tgt Ion: 43 Resp: 63012

Ion Ratio Lower Upper

43 100

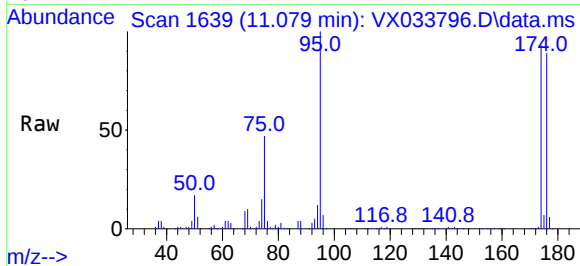
58 19.2 27.4 82.0#



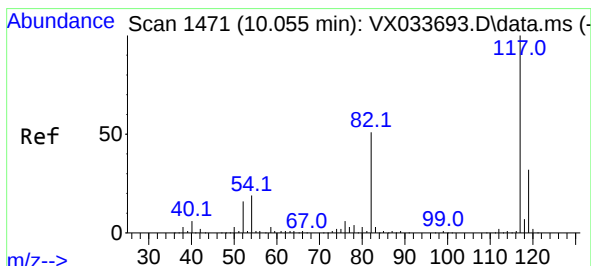
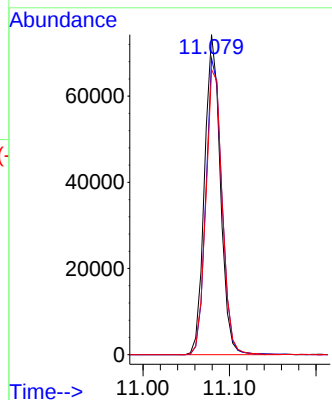
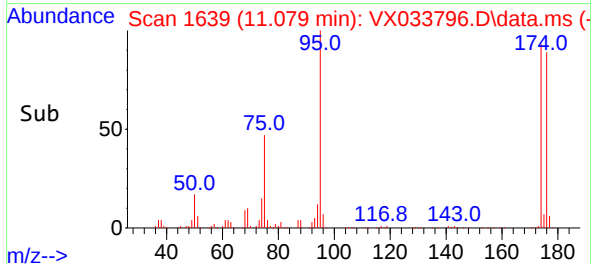


#62
4-Bromofluorobenzene
Concen: 44.828 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

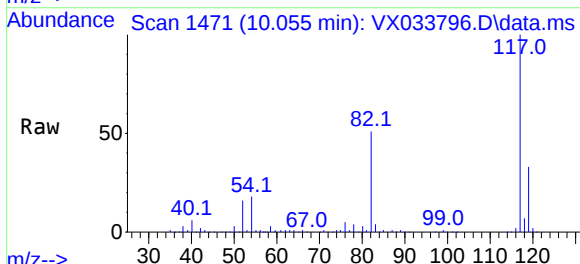
Instrument :
MSVOA_X
ClientSampleId :



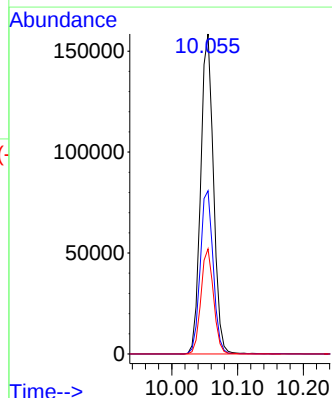
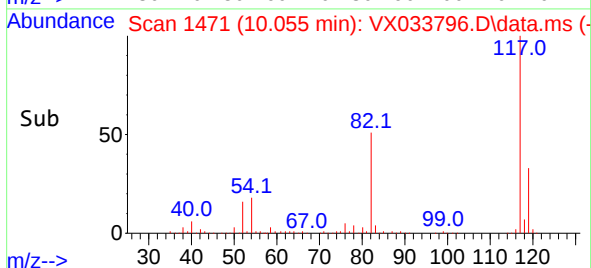
Tgt Ion: 95 Resp: 94199
Ion Ratio Lower Upper
95 100
174 93.5 0.0 184.4
176 92.3 0.0 178.8

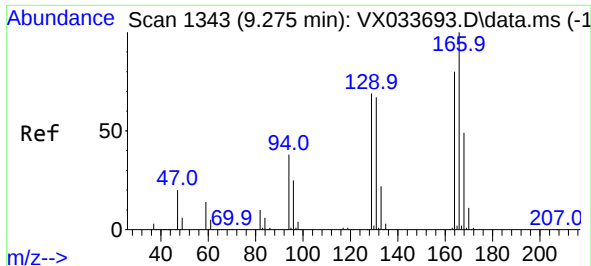


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15



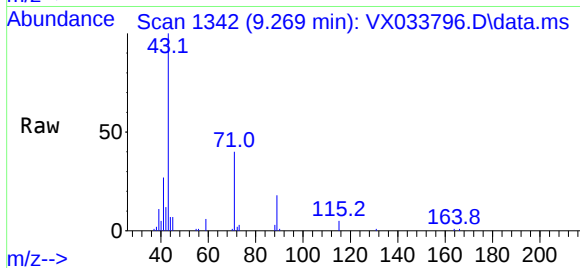
Tgt Ion: 117 Resp: 214590
Ion Ratio Lower Upper
117 100
82 51.0 40.6 60.8
119 32.9 25.6 38.4



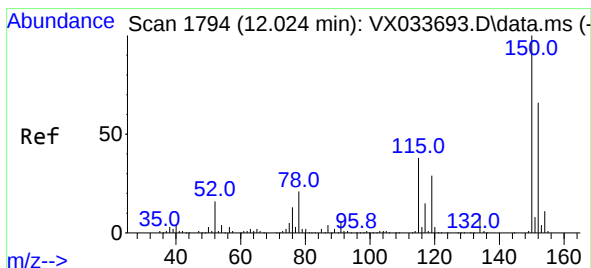
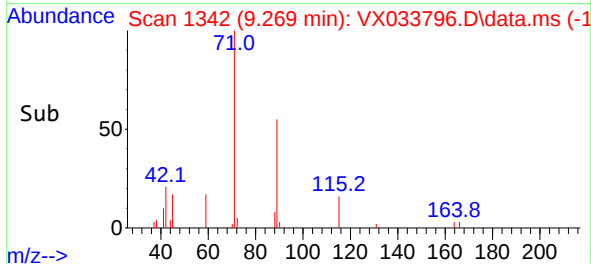
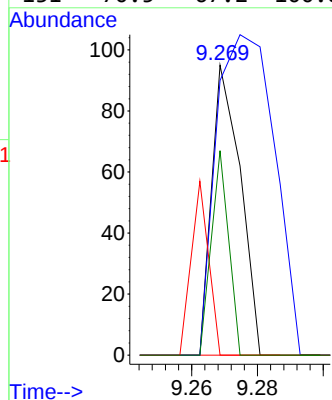


#64
Tetrachloroethene
Concen: Below Cal
RT: 9.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

Instrument :
MSVOA_X
ClientSampleId :

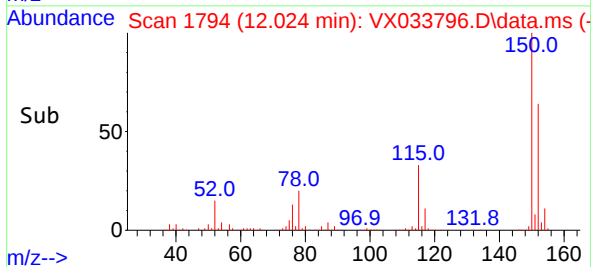
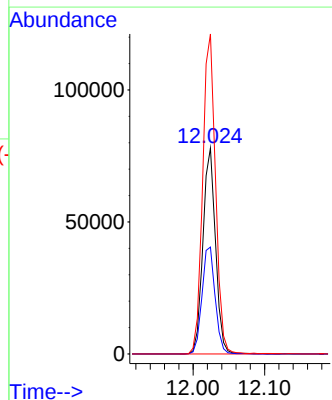
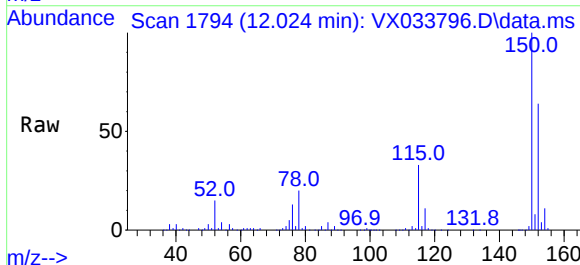


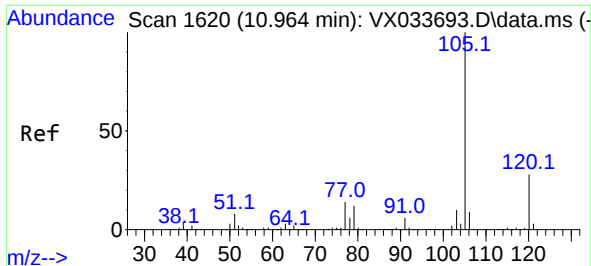
Tgt Ion:164 Resp: 57
Ion Ratio Lower Upper
164 100
166 94.7 100.2 150.2#
129 0.0 69.2 103.8#
131 70.5 67.2 100.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

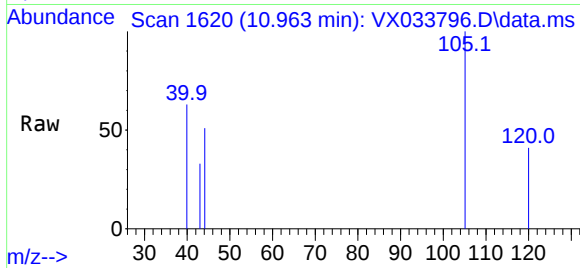
Tgt Ion:152 Resp: 95441
Ion Ratio Lower Upper
152 100
115 54.3 38.7 116.1
150 158.4 0.0 348.2



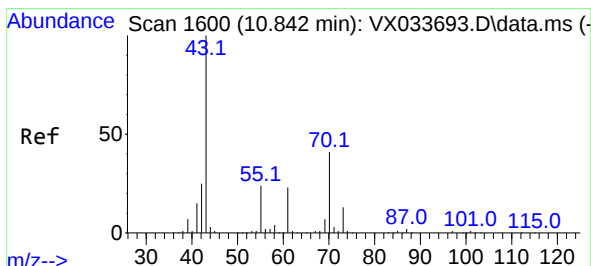
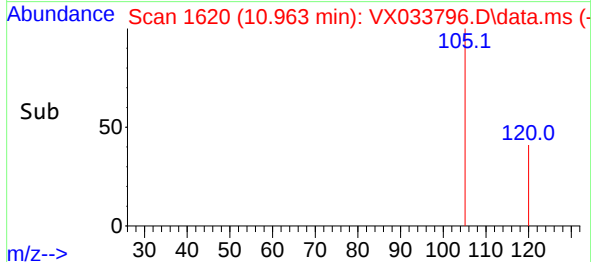
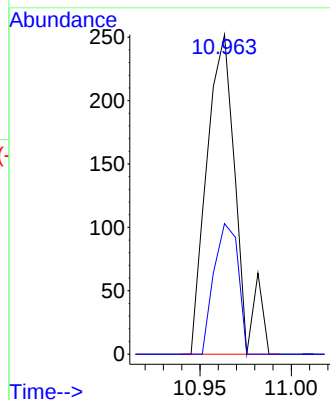


#73
Isopropylbenzene
Concen: Below Cal
RT: 10.963 min Scan# 1596
Delta R.T. -0.001 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

Instrument :
MSVOA_X
ClientSampleId :

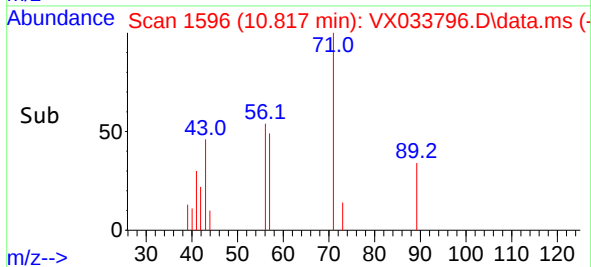
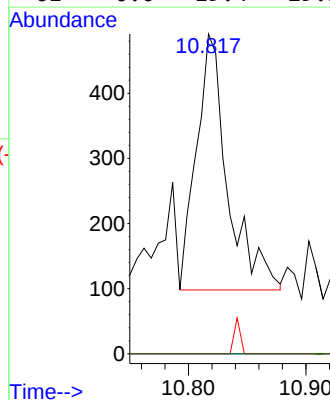
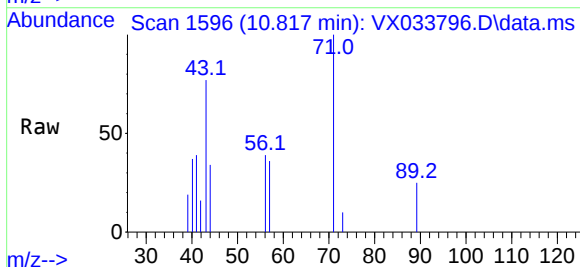


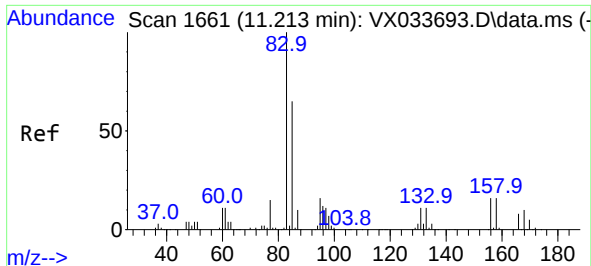
Tgt Ion:105 Resp: 283
Ion Ratio Lower Upper
105 100
120 33.6 13.6 40.8



#74
N-ethyl acetate
Concen: 0.290 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.025 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

Tgt Ion: 43 Resp: 728
Ion Ratio Lower Upper
43 100
70 0.0 34.8 52.2#
55 0.0 19.4 29.0#
61 0.0 19.4 29.2#

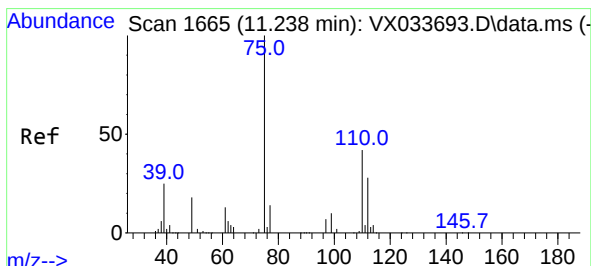
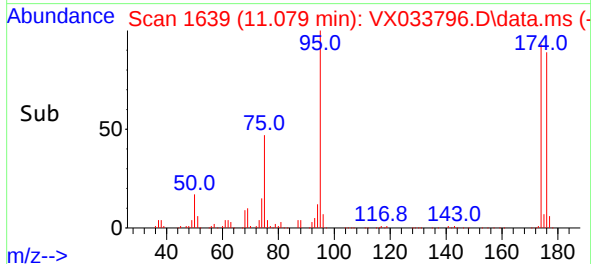
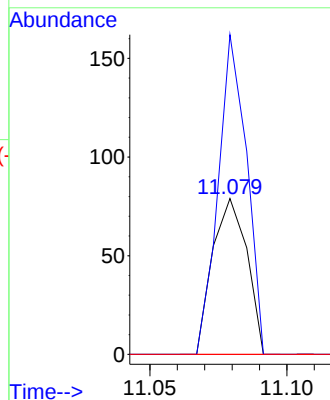
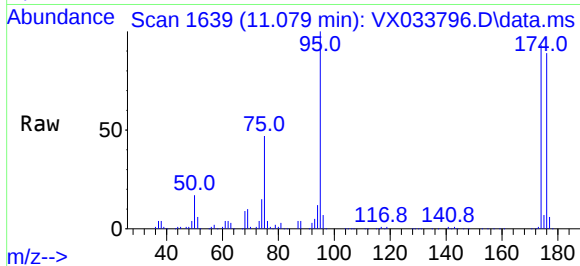




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. -0.134 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

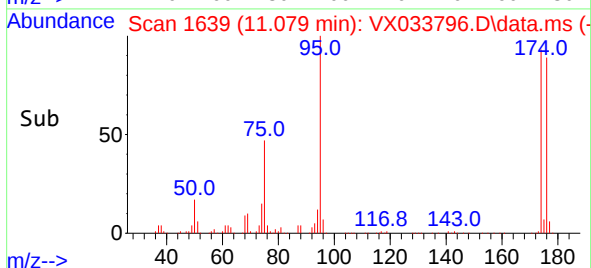
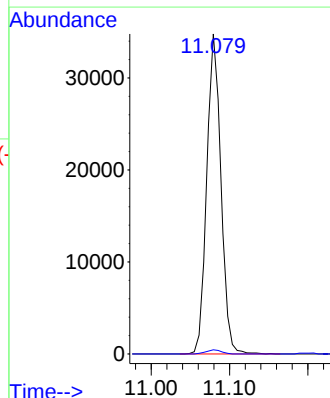
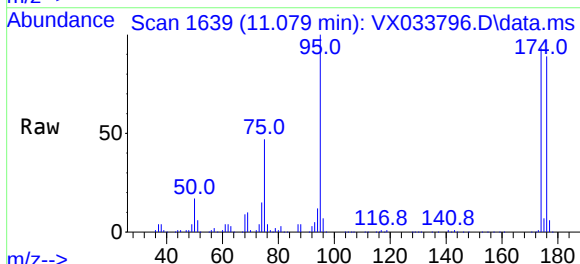
Instrument :
MSVOA_X
ClientSampleId :

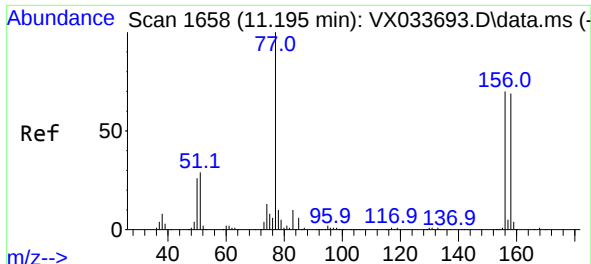
Tgt Ion: 83 Resp: 69
Ion Ratio Lower Upper
83 100
131 169.6 5.5 16.7#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 24.860 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

Tgt Ion: 75 Resp: 43595
Ion Ratio Lower Upper
75 100
77 1.4 21.8 65.4#

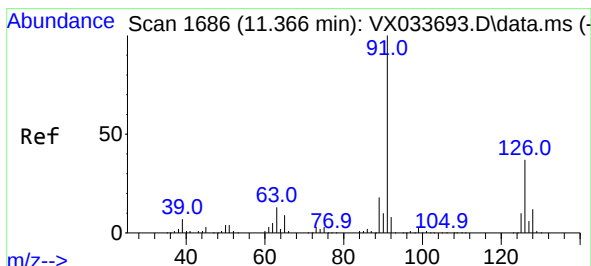
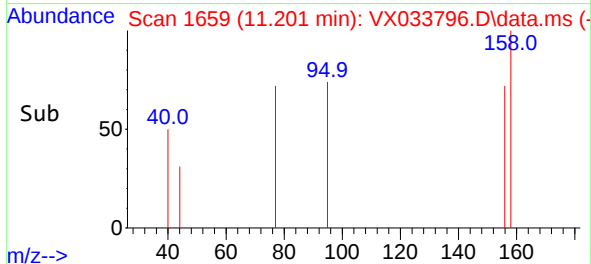
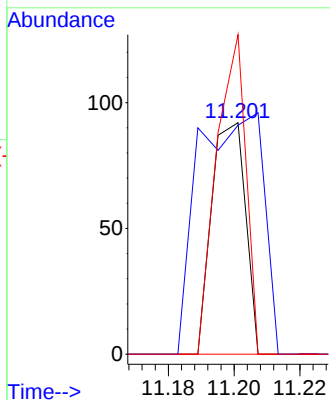
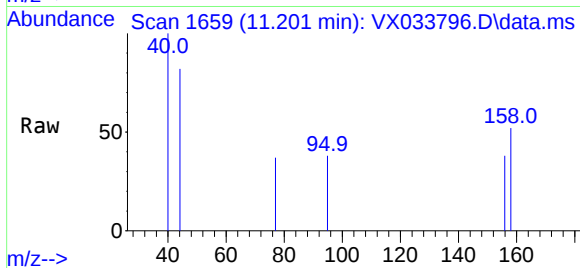




#77
Bromobenzene
Concen: Below Cal
RT: 11.201 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

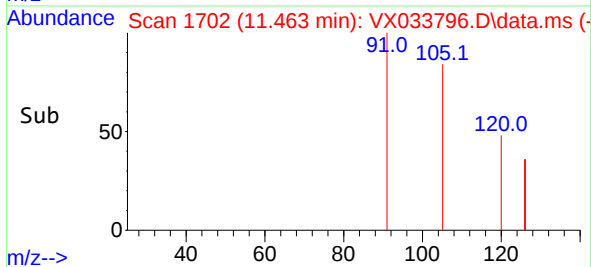
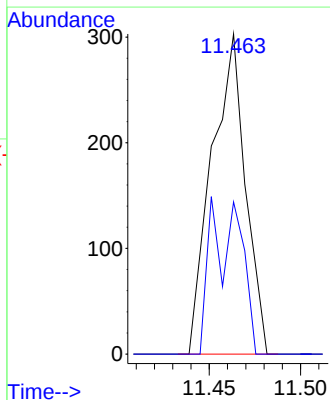
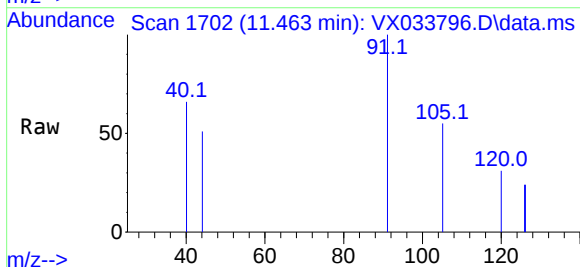
Instrument :
MSVOA_X
ClientSampleId :

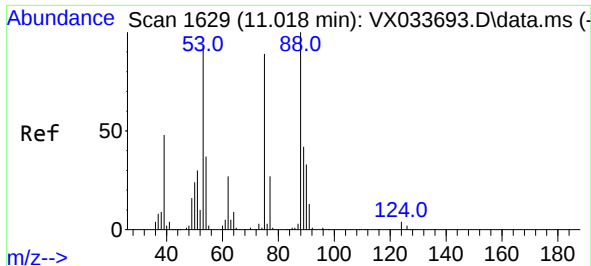
Tgt Ion:156 Resp: 65
Ion Ratio Lower Upper
156 100
77 201.5 68.1 204.3
158 121.5 48.0 144.2



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.463 min Scan# 1702
Delta R.T. 0.097 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

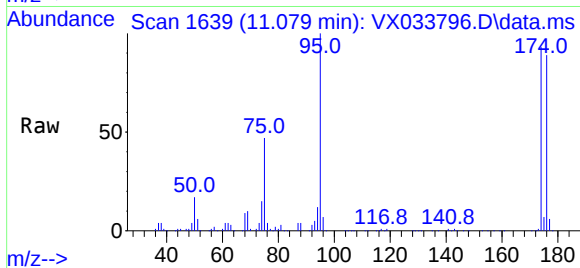
Tgt Ion: 91 Resp: 388
Ion Ratio Lower Upper
91 100
126 42.8 18.1 54.1



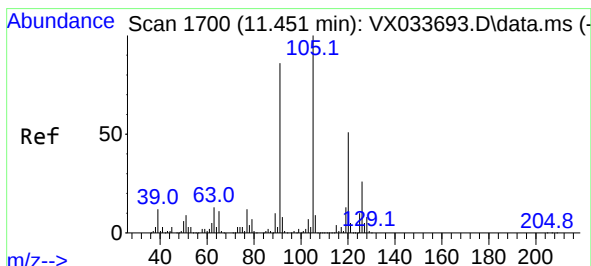
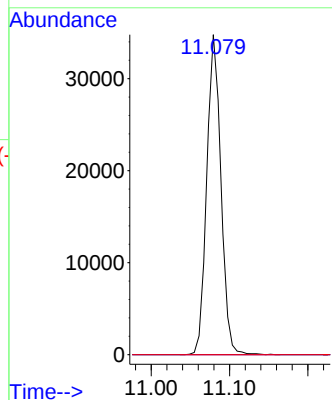
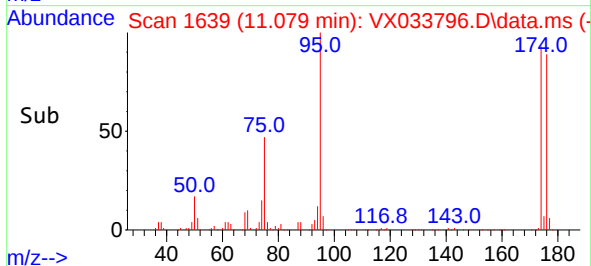


#81
trans-1,4-Dichloro-2-butene
Concen: 77.264 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

Instrument :
MSVOA_X
ClientSampleId :

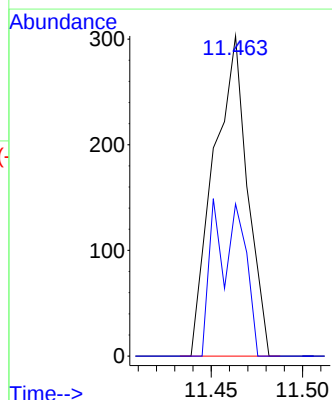
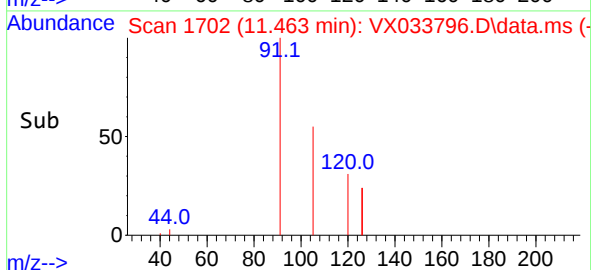
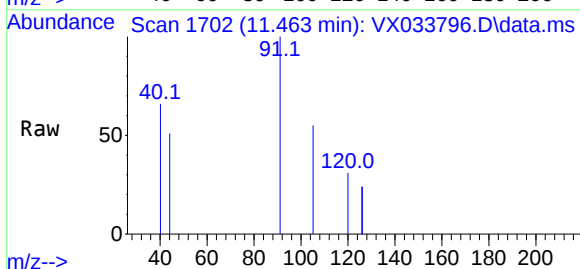


Tgt Ion: 75 Resp: 43595
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#

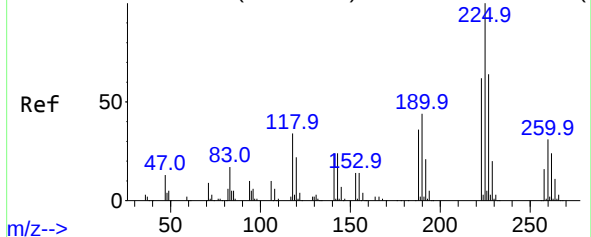


#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.463 min Scan# 1702
Delta R.T. 0.012 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

Tgt Ion: 91 Resp: 388
Ion Ratio Lower Upper
91 100
126 42.8 15.8 47.4



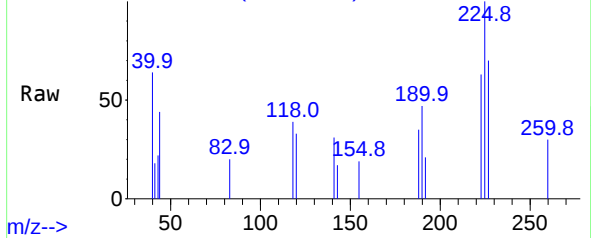
Abundance Scan 2073 (13.725 min): VX033693.D\data.ms (-



#94
Hexachlorobutadiene
Concen: 0.390 ug/l
RT: 13.725 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX033796.D
Acq: 19 Jan 2023 13:15

Instrument :
MSVOA_X
ClientSampleId :

Abundance Scan 2073 (13.725 min): VX033796.D\data.ms



Tgt Ion:	225	Resp:	400
Ion	Ratio	Lower	Upper
225	100		
223	58.3	31.3	93.9
227	52.5	32.3	96.9

Abundance Scan 2073 (13.725 min): VX033796.D\data.ms (-

