

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011923\
 Data File : VX033806.D
 Acq On : 19 Jan 2023 17:07
 Operator : JC/MD
 Sample : 01214-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 20 05:23:18 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)

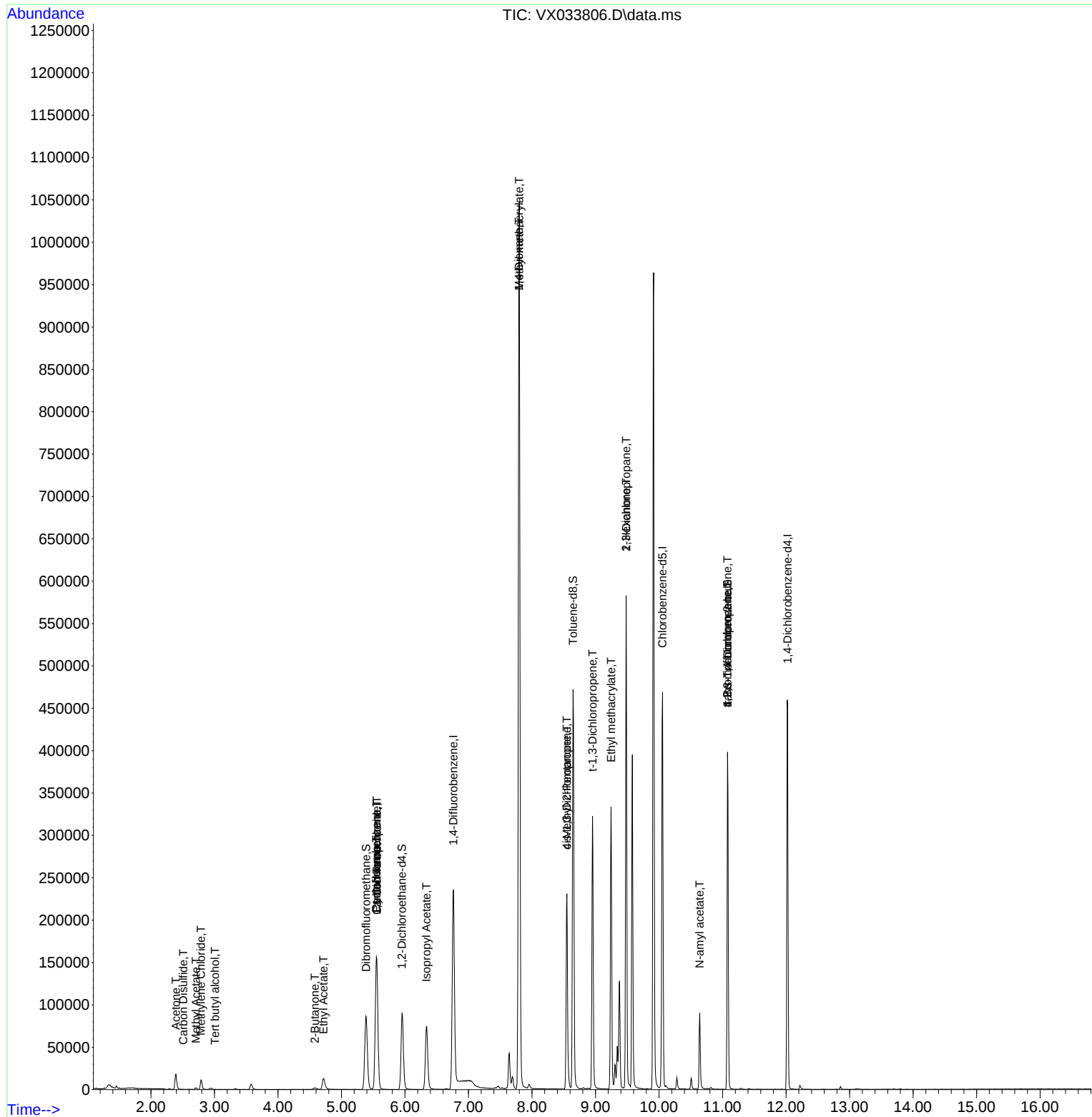
Internal Standards						
1) Pentafluorobenzene	5.550	168	170918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	251601	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	223278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84616	47.019	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.040%		
35) Dibromofluoromethane	5.385	113	76192	48.769	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.540%		
50) Toluene-d8	8.647	98	284423	49.966	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.940%		
62) 4-Bromofluorobenzene	11.079	95	101185	47.877	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.760%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	3.008	59	91	0.291	ug/l #	86
16) Acetone	2.392	43	23549	24.850	ug/l	96
17) Carbon Disulfide	2.508	76	154	1.864	ug/l #	76
18) Methyl Acetate	2.709	43	2431	0.968	ug/l #	89
20) Methylene Chloride	2.788	84	5563	1.105	ug/l	92
25) 2-Butanone	4.580	43	3190	2.713	ug/l #	88
31) Cyclohexane	5.550	56	2554	0.964	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10426	4.573	ug/l #	48
37) Ethyl Acetate	4.715	43	25019	9.166	ug/l	99
38) Carbon Tetrachloride	5.556	117	14767	6.253	ug/l #	16
43) Isopropyl Acetate	6.336	43	105646	29.349	ug/l	99
48) Methyl methacrylate	7.799	41	88759	48.950	ug/l #	44
49) 1,4-Dioxane	7.793	88	152	3.790	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	79886	36.136	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	662	0.295	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	37665	14.998	ug/l #	59
56) Ethyl methacrylate	9.244	69	655	0.274	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4698	1.705	ug/l #	43
59) 2-Hexanone	9.482	43	65804	42.767	ug/l #	50
73) Isopropylbenzene	11.079	105	100	Below Cal	#	48
74) N-amyl acetate	10.640	43	24130	8.384	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	11.079	83	51	Below Cal	#	13
76) 1,2,3-Trichloropropane	11.079	75	46934	23.306	ug/l #	34
79) 2-Chlorotoluene	11.457	91	97	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	46934	72.432	ug/l #	8
82) 4-Chlorotoluene	11.457	91	97	Below Cal	#	43

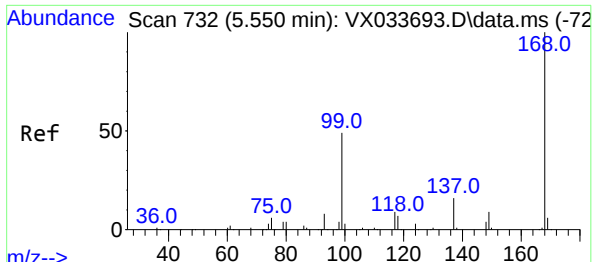
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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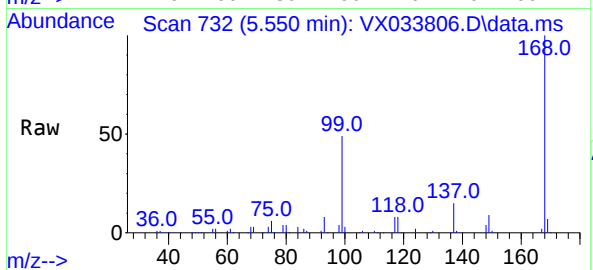
Quant Time: Jan 20 05:23:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration



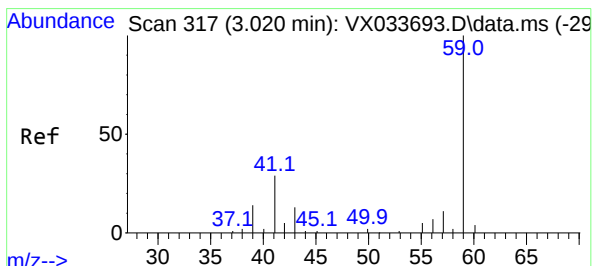
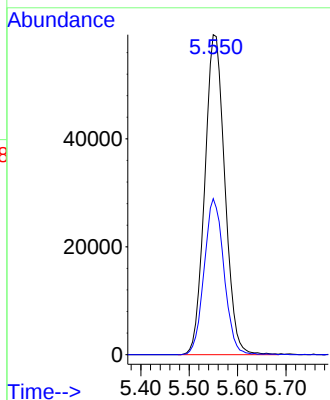
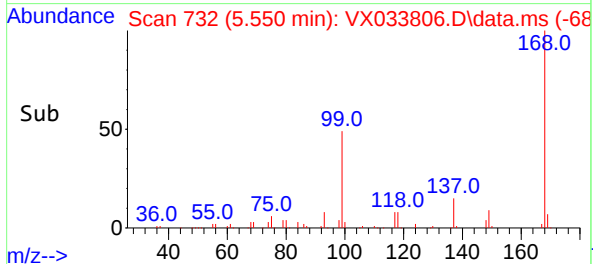


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

Instrument :
MSVOA_X
ClientSampleId :

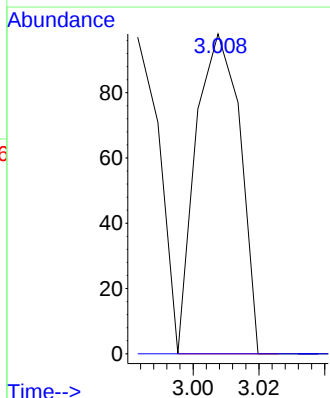
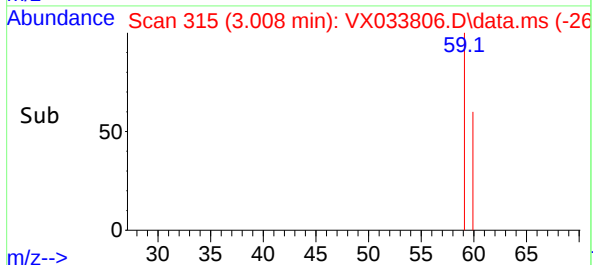
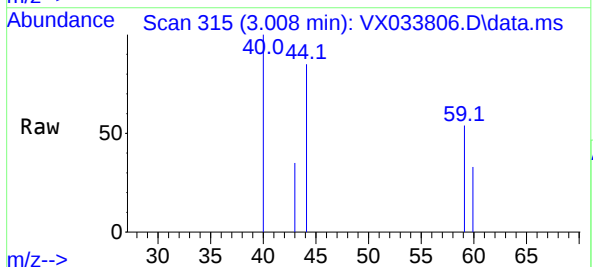


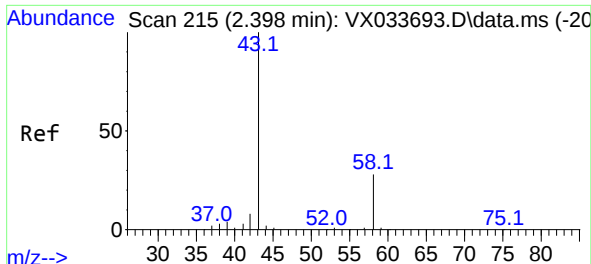
Tgt Ion:168 Resp: 170918
Ion Ratio Lower Upper
168 100
99 48.7 39.6 59.4



#11
Tert butyl alcohol
Concen: 0.291 ug/l
RT: 3.008 min Scan# 315
Delta R.T. -0.012 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

Tgt Ion: 59 Resp: 91
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

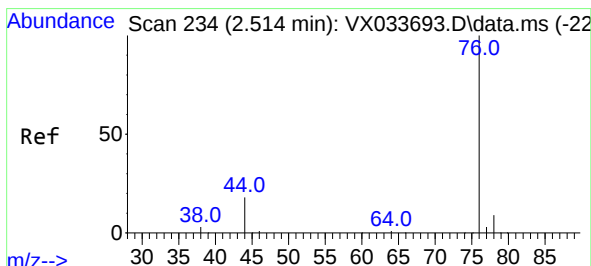
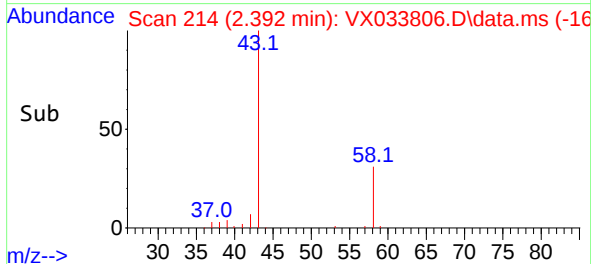
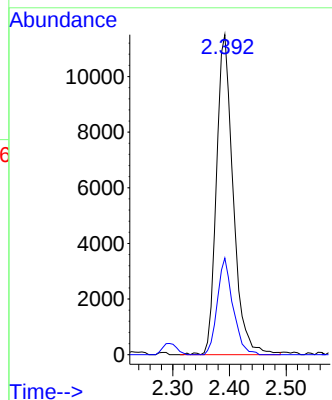
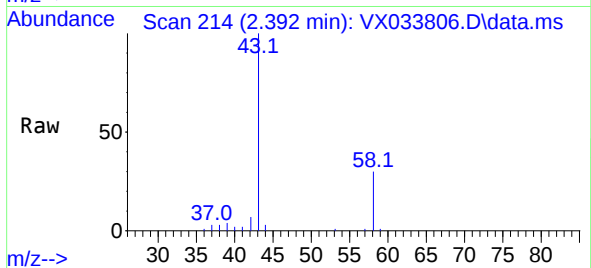




#16
Acetone
Concen: 24.850 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

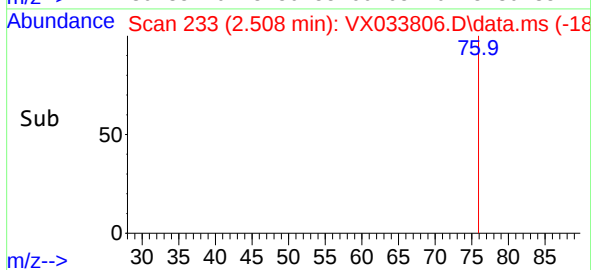
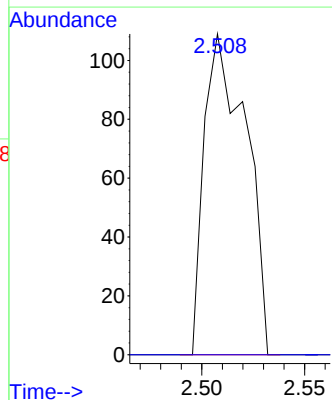
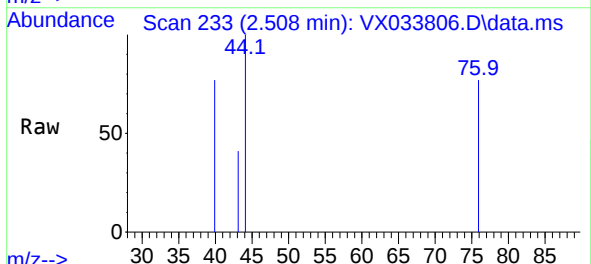
Instrument :
MSVOA_X
ClientSampleId :

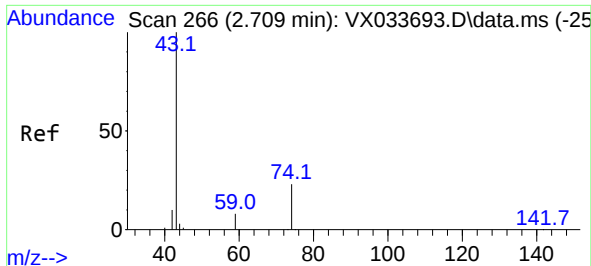
Tgt Ion: 43 Resp: 23549
Ion Ratio Lower Upper
43 100
58 30.2 22.6 33.8



#17
Carbon Disulfide
Concen: 1.864 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

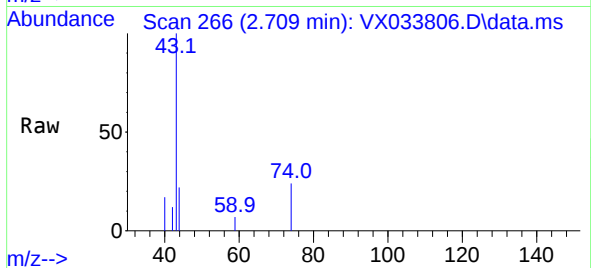
Tgt Ion: 76 Resp: 154
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



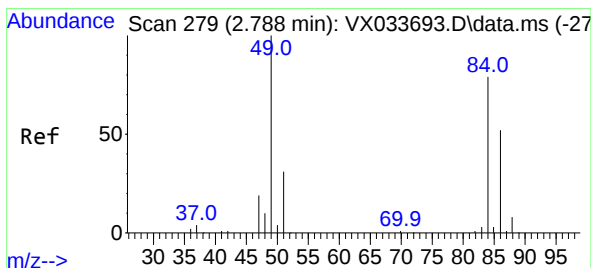
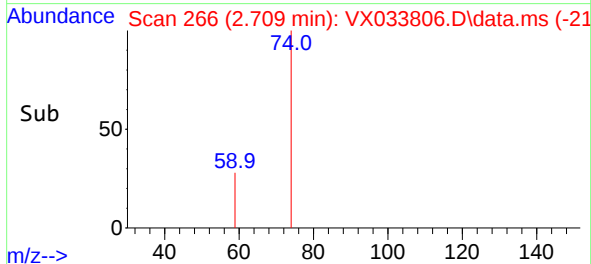
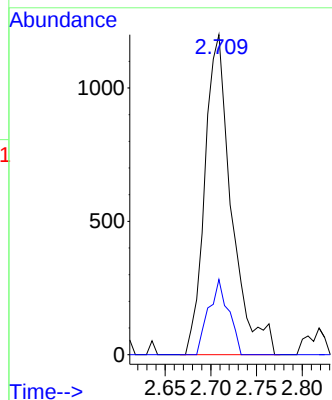


#18
Methyl Acetate
Concen: 0.968 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

Instrument :
MSVOA_X
ClientSampleId :

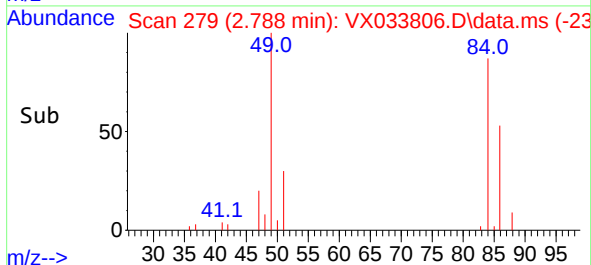
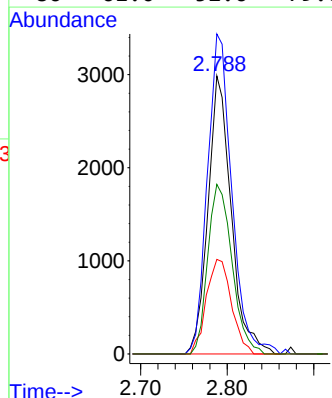
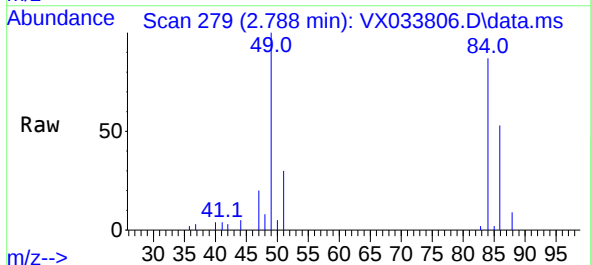


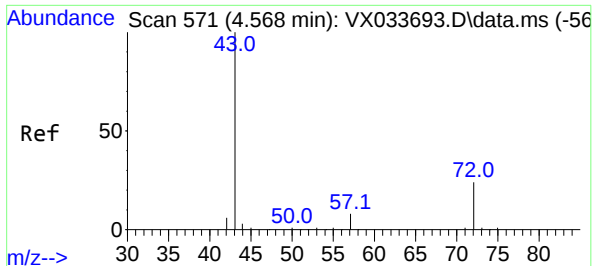
Tgt Ion: 43 Resp: 2431
Ion Ratio Lower Upper
43 100
74 17.6 18.2 27.4#



#20
Methylene Chloride
Concen: 1.105 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

Tgt Ion: 84 Resp: 5563
Ion Ratio Lower Upper
84 100
49 115.1 101.1 151.7
51 34.0 31.0 46.6
86 61.0 52.6 79.0





#25

2-Butanone

Concen: 2.713 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX033806.D

Acq: 19 Jan 2023 17:07

Instrument :

MSVOA_X

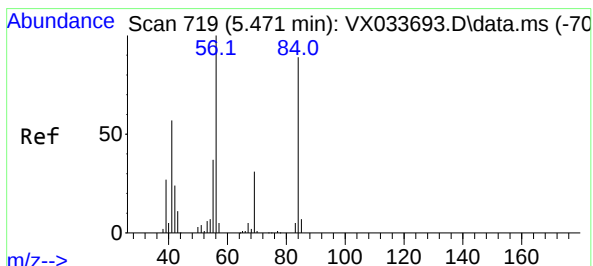
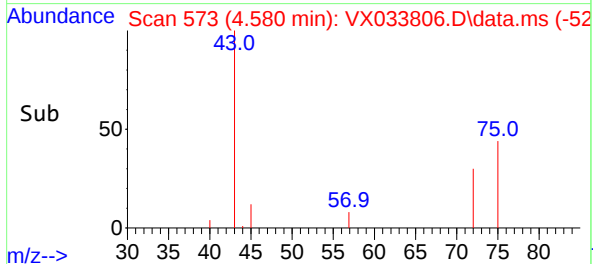
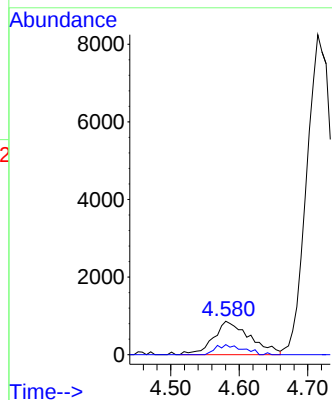
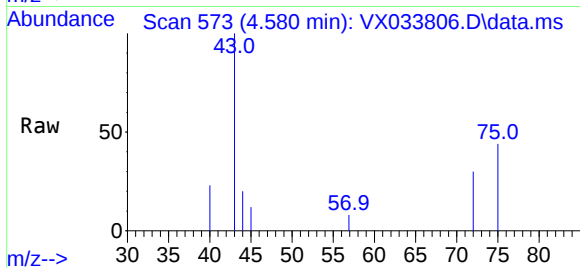
ClientSampleId :

Tgt Ion: 43 Resp: 3190

Ion Ratio Lower Upper

43 100

72 30.3 19.4 29.2#



#31

Cyclohexane

Concen: 0.964 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX033806.D

Acq: 19 Jan 2023 17:07

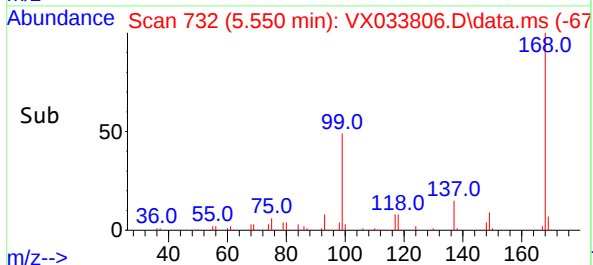
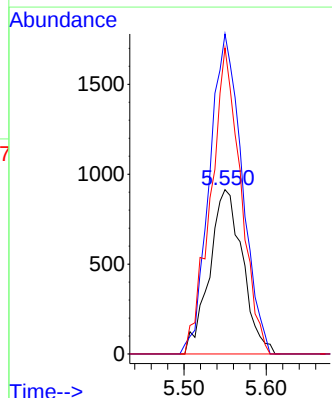
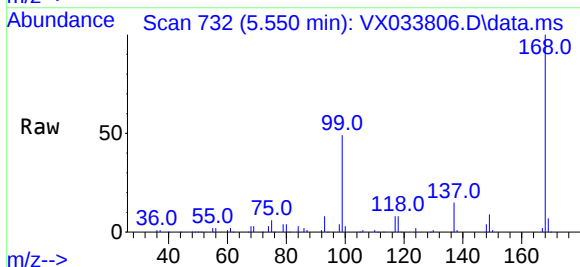
Tgt Ion: 56 Resp: 2554

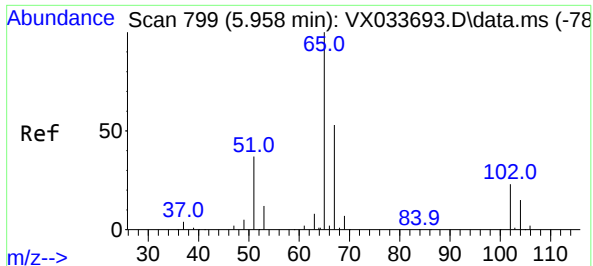
Ion Ratio Lower Upper

56 100

69 194.7 24.6 37.0#

84 186.3 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 47.019 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033806.D

Acq: 19 Jan 2023 17:07

Instrument :

MSVOA_X

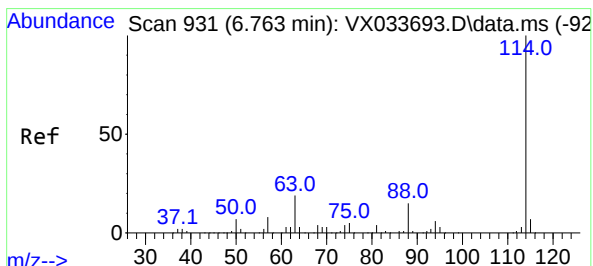
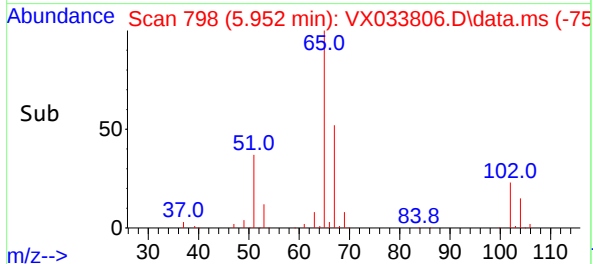
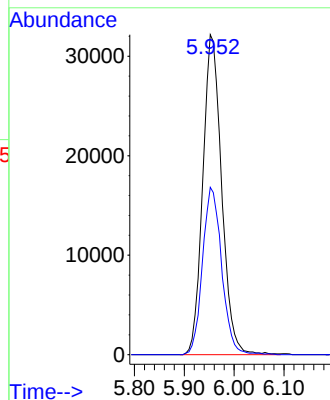
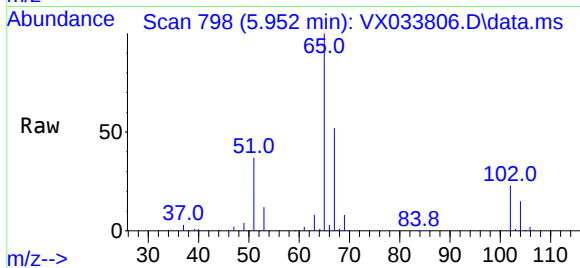
ClientSampleId :

Tgt Ion: 65 Resp: 84616

Ion Ratio Lower Upper

65 100

67 53.2 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: VX033806.D

Acq: 19 Jan 2023 17:07

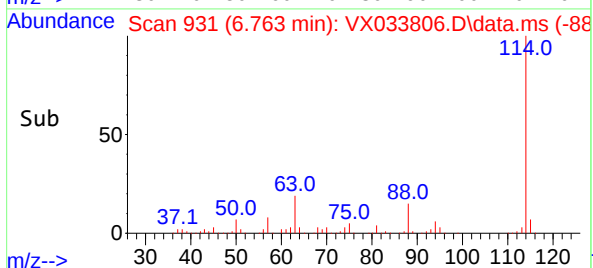
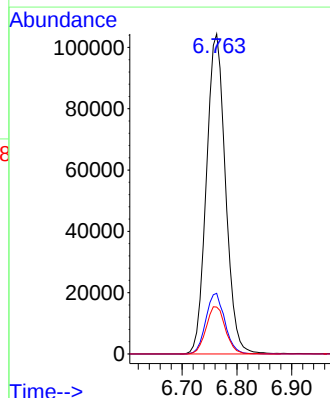
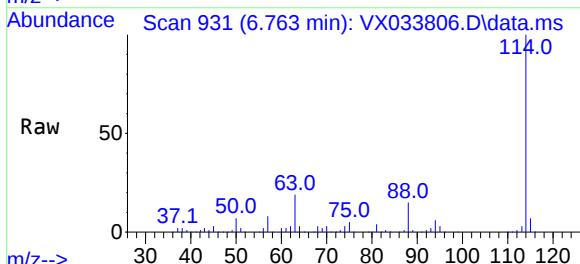
Tgt Ion: 114 Resp: 251601

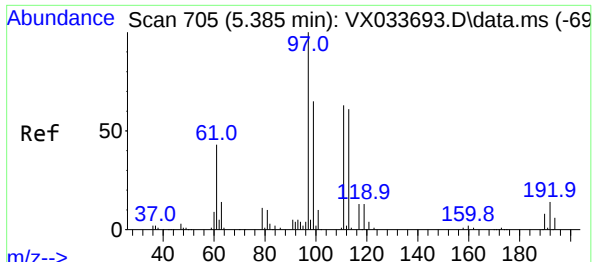
Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.4

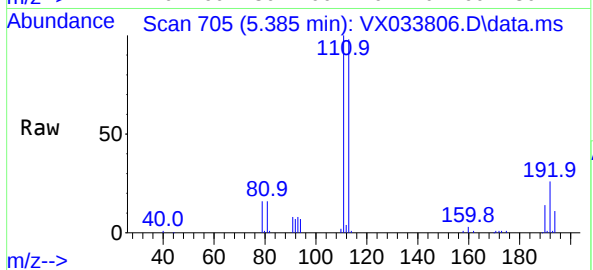
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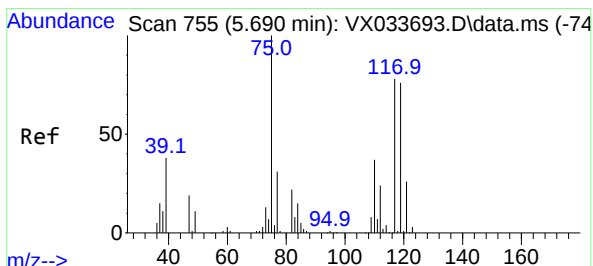
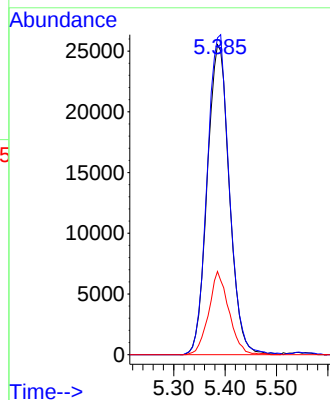
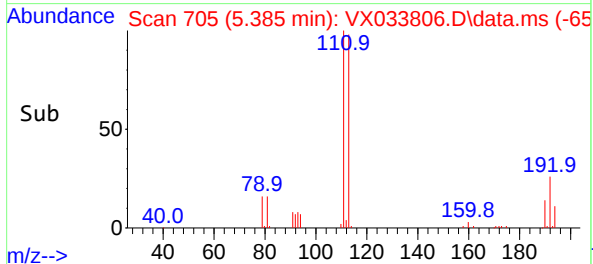


#35
Dibromofluoromethane
Concen: 48.769 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

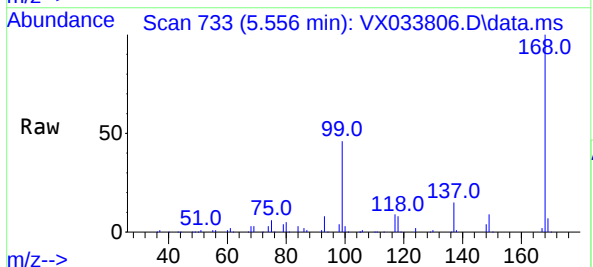
Instrument :
MSVOA_X
ClientSampleId :



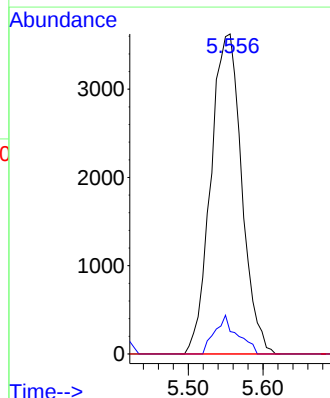
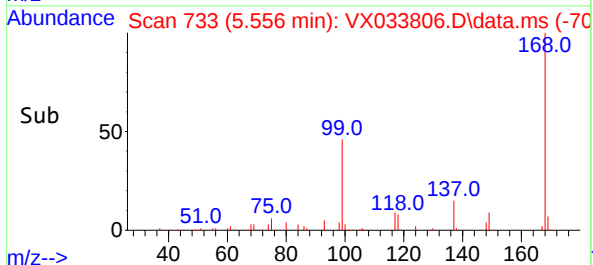
Tgt Ion:113 Resp: 76192
Ion Ratio Lower Upper
113 100
111 103.1 83.0 124.6
192 24.6 19.0 28.4

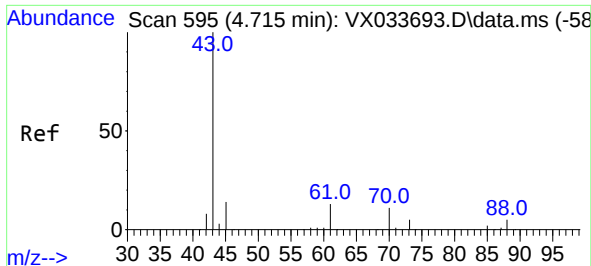


#36
1,1-Dichloropropene
Concen: 4.573 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07



Tgt Ion: 75 Resp: 10426
Ion Ratio Lower Upper
75 100
110 8.8 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 9.166 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

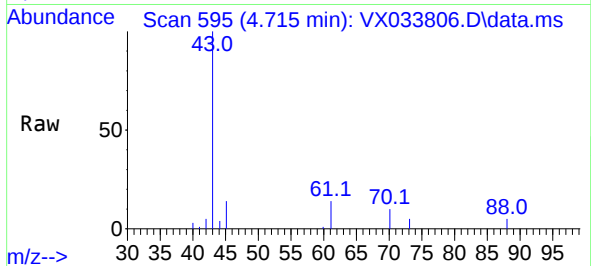
Lab File: VX033806.D

Acq: 19 Jan 2023 17:07

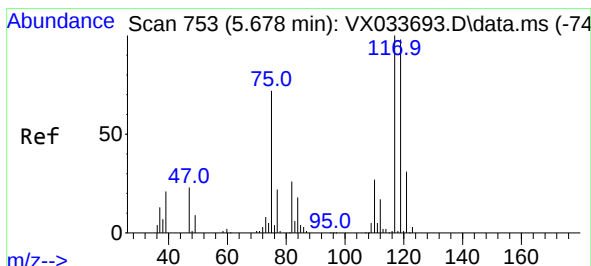
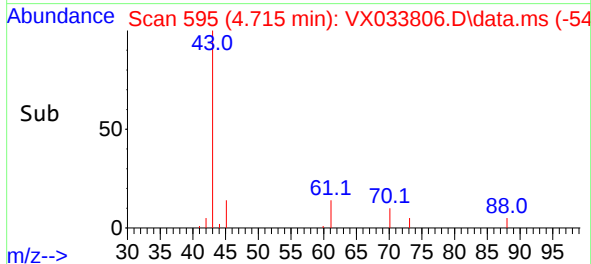
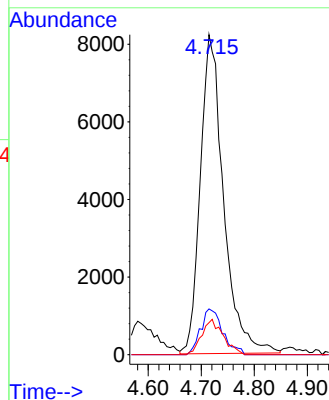
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	25019
Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.1	16.7
70	10.2	8.5	12.7



#38

Carbon Tetrachloride

Concen: 6.253 ug/l

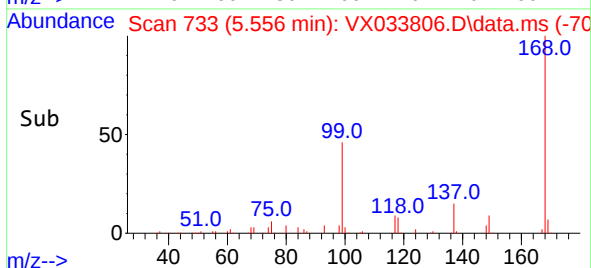
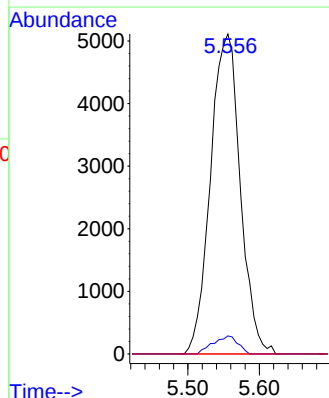
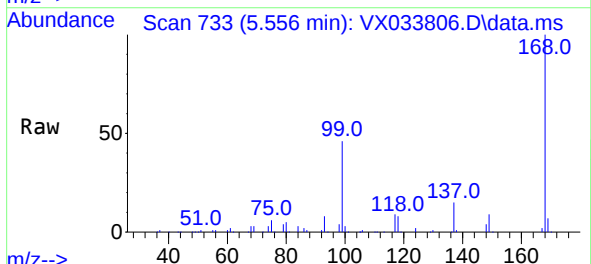
RT: 5.556 min Scan# 733

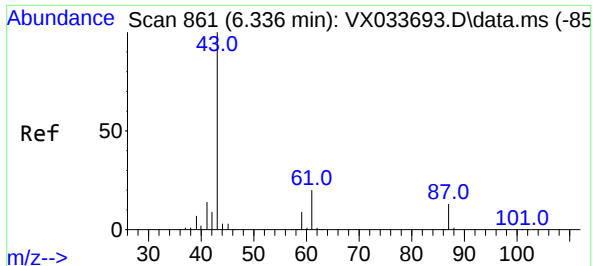
Delta R.T. -0.122 min

Lab File: VX033806.D

Acq: 19 Jan 2023 17:07

Tgt Ion:	117	Resp:	14767
Ion	Ratio	Lower	Upper
117	100		
119	5.6	78.0	117.0#
121	0.0	24.4	36.6#

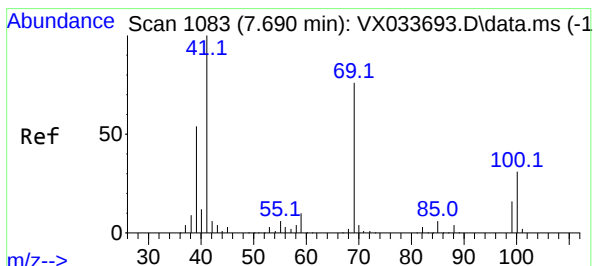
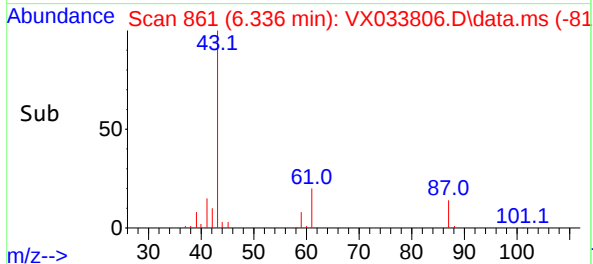
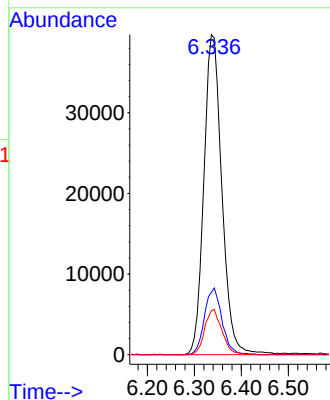
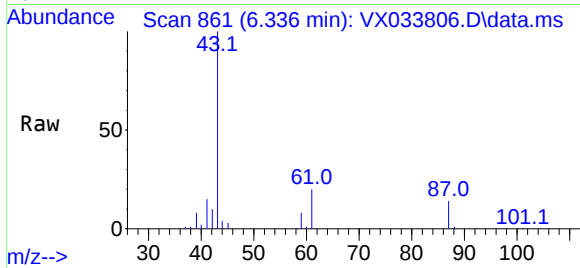




#43
Isopropyl Acetate
Concen: 29.349 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

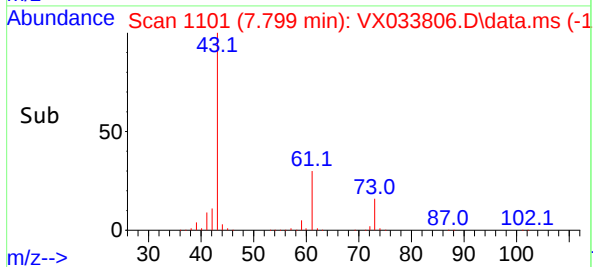
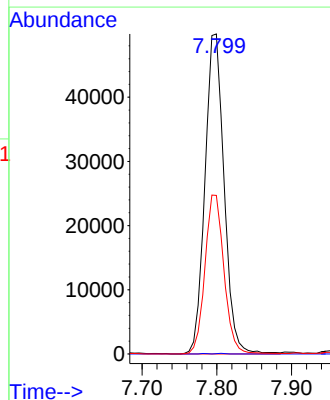
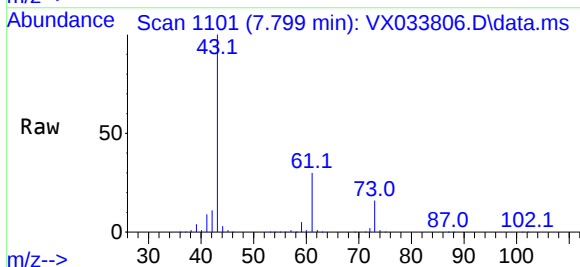
Instrument :
MSVOA_X
ClientSampleId :

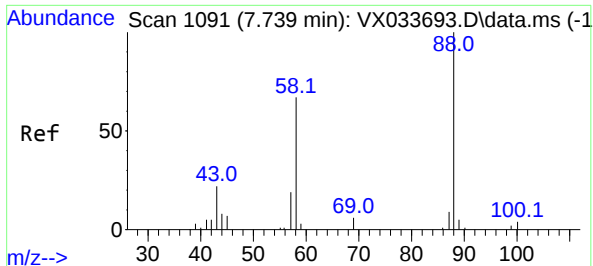
Tgt Ion: 43 Resp: 105646
Ion Ratio Lower Upper
43 100
61 20.3 15.7 23.5
87 13.4 10.6 15.8



#48
Methyl methacrylate
Concen: 48.950 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

Tgt Ion: 41 Resp: 88759
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 49.4 43.2 64.8





#49

1,4-Dioxane

Concen: 3.790 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.055 min

Lab File: VX033806.D

Acq: 19 Jan 2023 17:07

Instrument :

MSVOA_X

ClientSampleId :

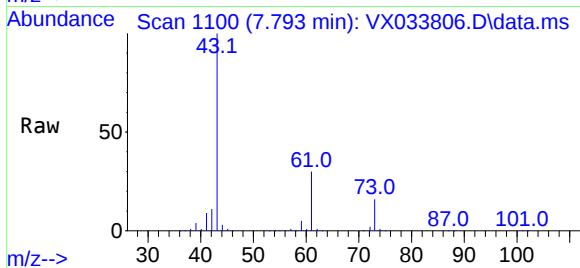
Tgt Ion: 88 Resp: 152

Ion Ratio Lower Upper

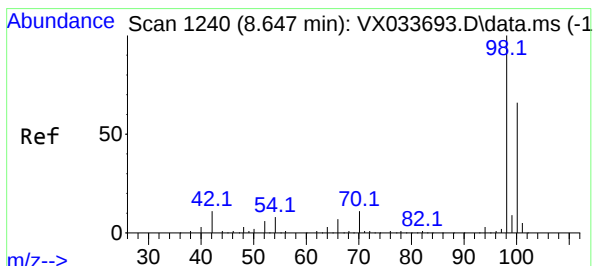
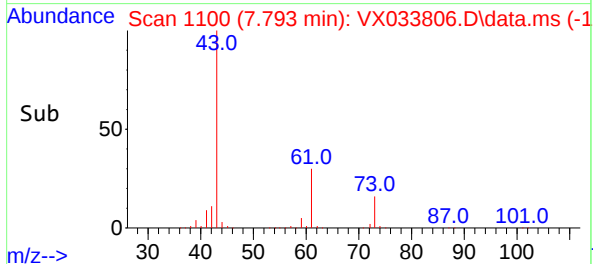
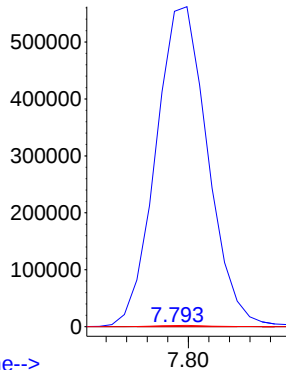
88 100

43 653950.7 0.0 0.0#

58 2672.4 56.5 84.7#



Abundance



#50

Toluene-d8

Concen: 49.966 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX033806.D

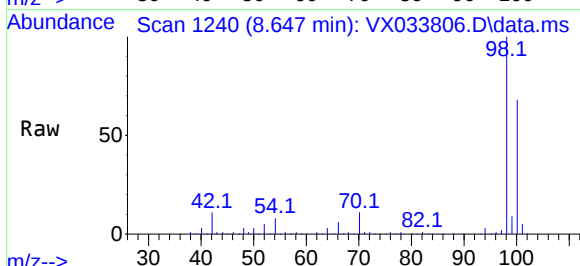
Acq: 19 Jan 2023 17:07

Tgt Ion: 98 Resp: 284423

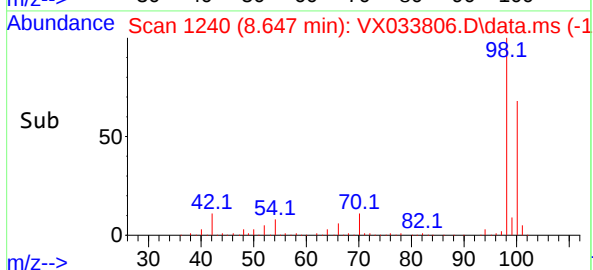
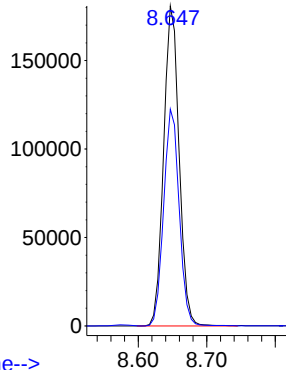
Ion Ratio Lower Upper

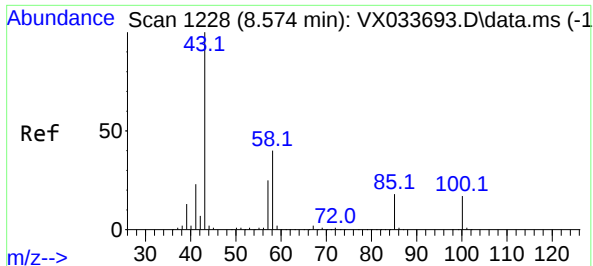
98 100

100 68.0 53.6 80.4



Abundance





#51

4-Methyl-2-Pentanone

Concen: 36.136 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX033806.D

Acq: 19 Jan 2023 17:07

Instrument :

MSVOA_X

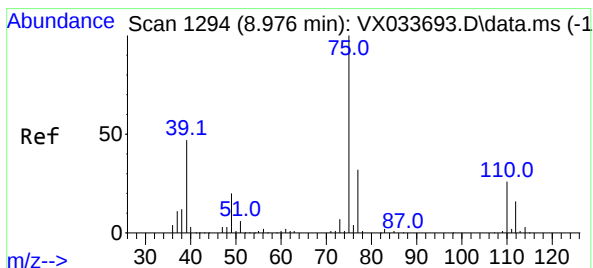
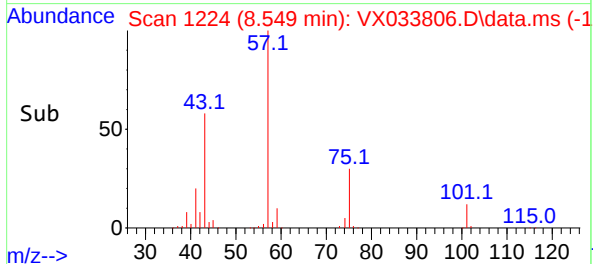
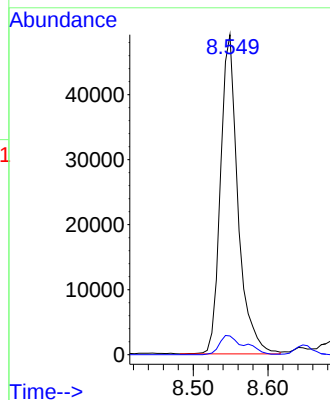
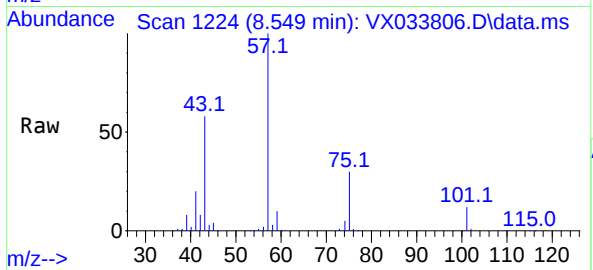
ClientSampleId :

Tgt Ion: 43 Resp: 79886

Ion Ratio Lower Upper

43 100

58 8.8 31.2 46.8#



#53

t-1,3-Dichloropropene

Concen: 0.295 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX033806.D

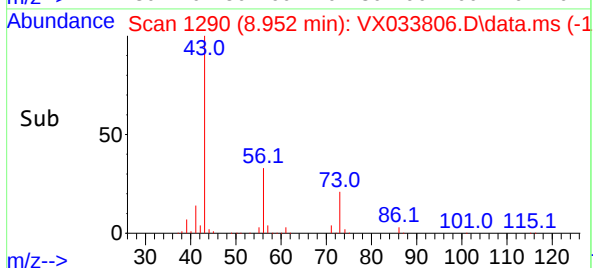
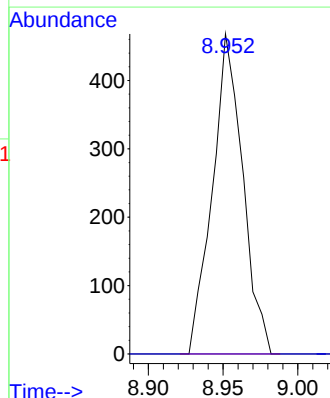
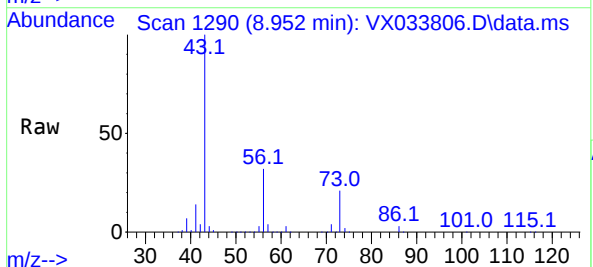
Acq: 19 Jan 2023 17:07

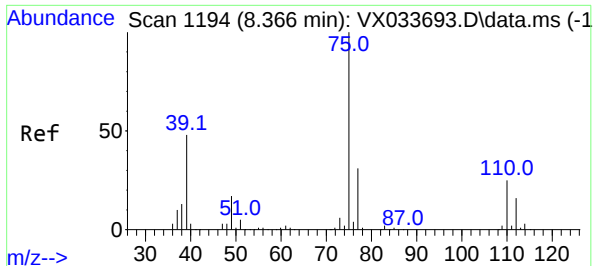
Tgt Ion: 75 Resp: 662

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

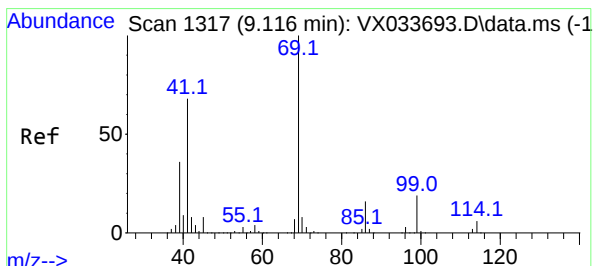
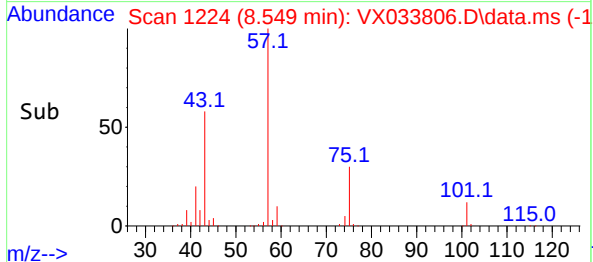
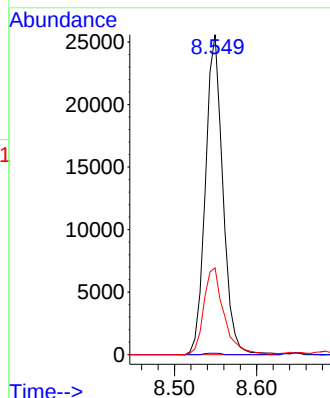
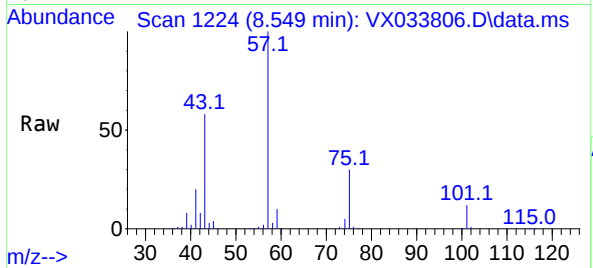




#54
cis-1,3-Dichloropropene
Concen: 14.998 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

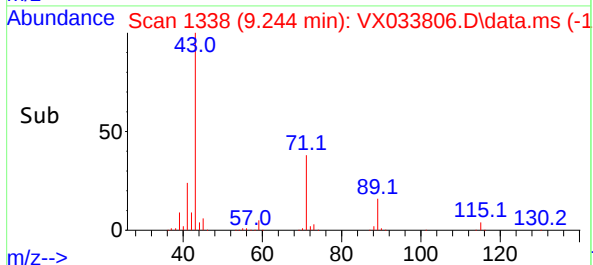
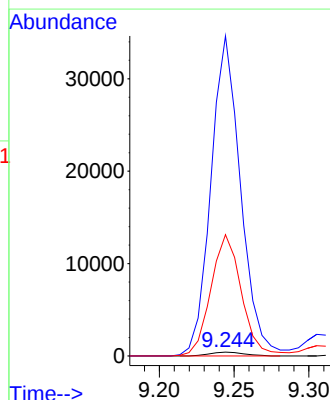
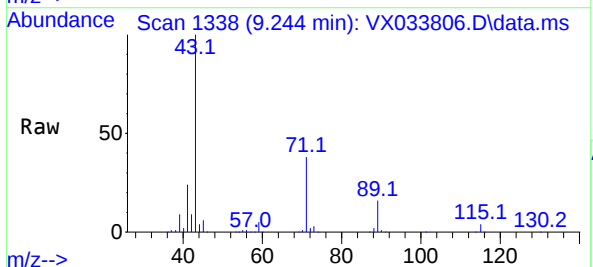
Instrument :
MSVOA_X
ClientSampleId :

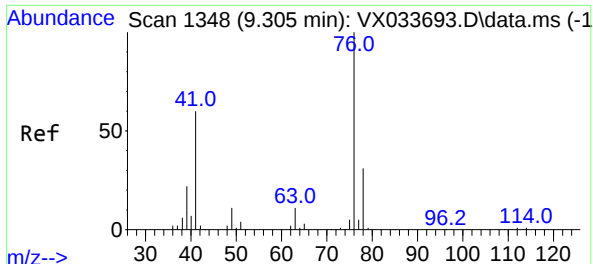
Tgt Ion: 75 Resp: 37665
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.6#
39 27.2 38.6 58.0#



#56
Ethyl methacrylate
Concen: 0.274 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

Tgt Ion: 69 Resp: 655
Ion Ratio Lower Upper
69 100
41 7342.9 55.1 82.7#
39 2866.4 28.5 42.7#

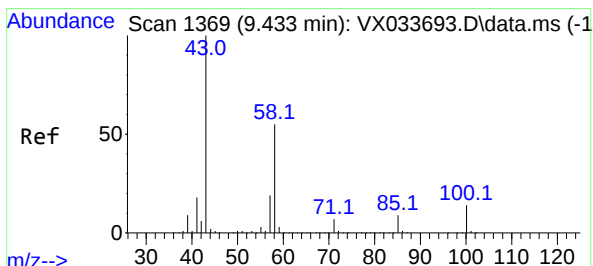
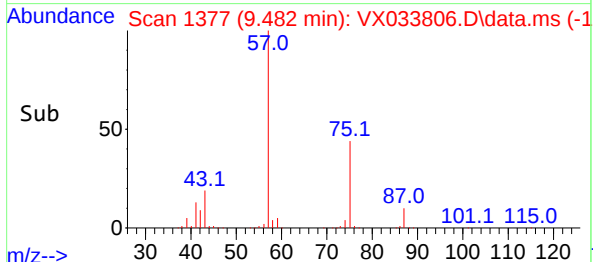
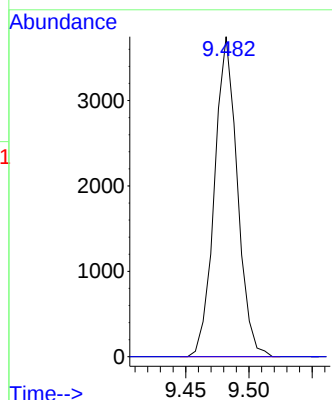
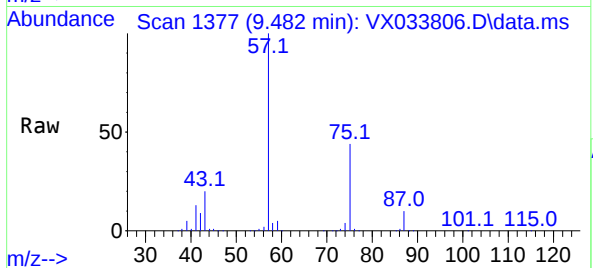




#57
1,3-Dichloropropane
Concen: 1.705 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

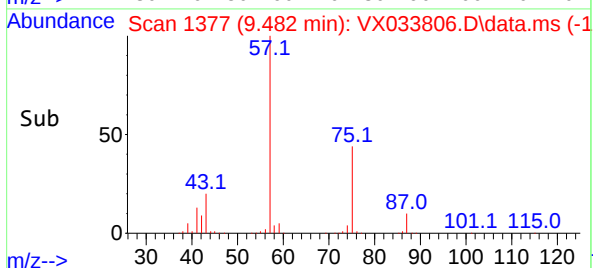
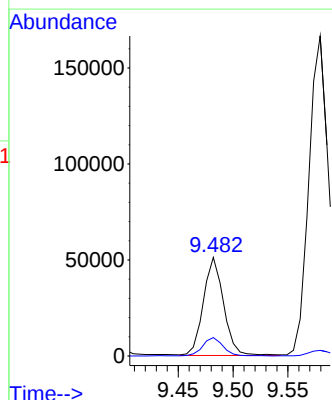
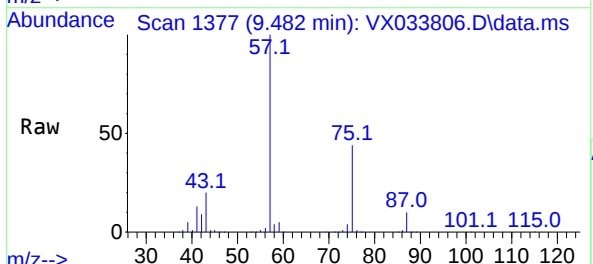
Instrument :
MSVOA_X
ClientSampleId :

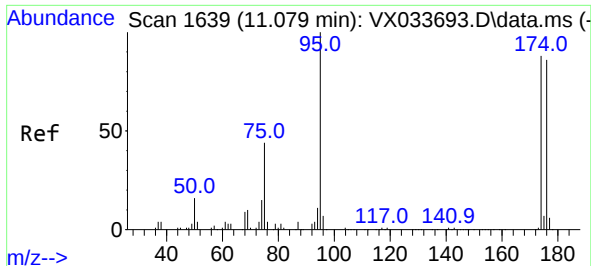
Tgt Ion: 76 Resp: 4698
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 42.767 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

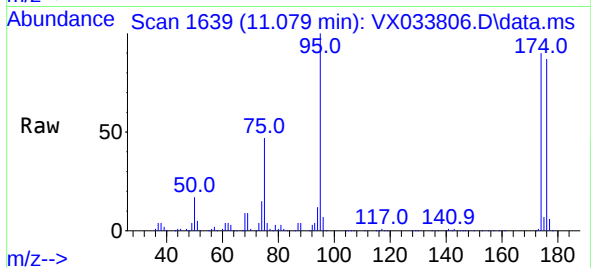
Tgt Ion: 43 Resp: 65804
Ion Ratio Lower Upper
43 100
58 18.8 27.4 82.0#



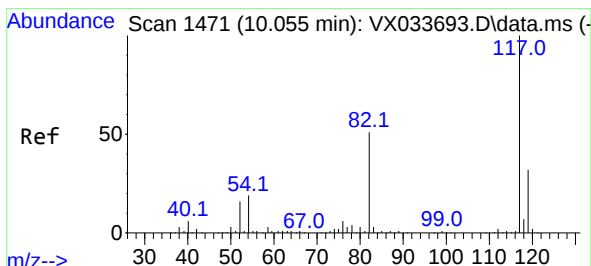
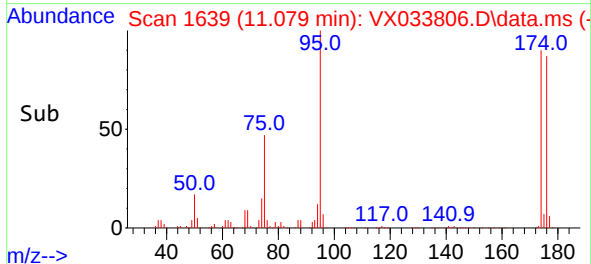
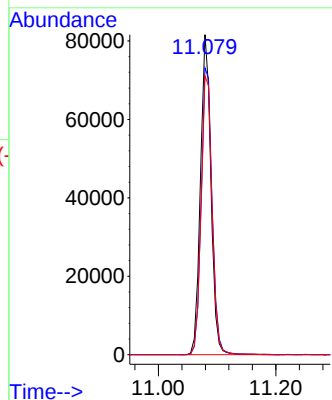


#62
4-Bromofluorobenzene
Concen: 47.877 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

Instrument :
MSVOA_X
ClientSampleId :

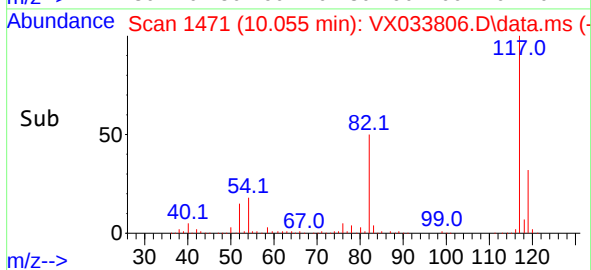
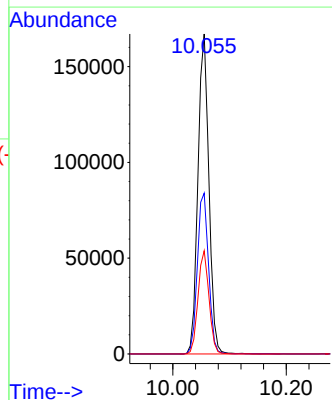
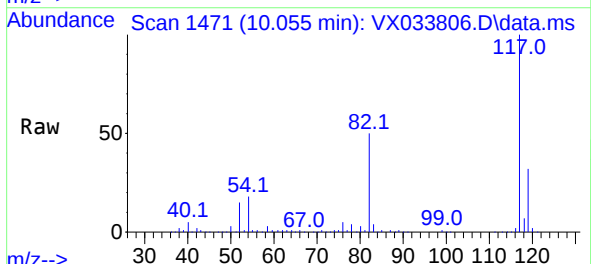


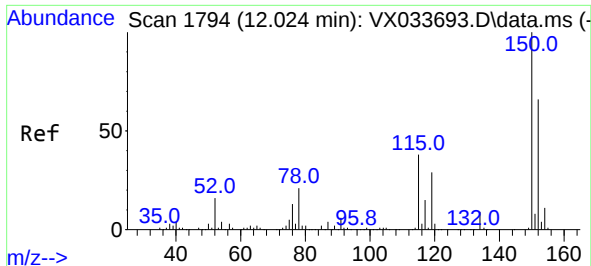
Tgt Ion: 95 Resp: 101185
Ion Ratio Lower Upper
95 100
174 93.6 0.0 184.4
176 91.1 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

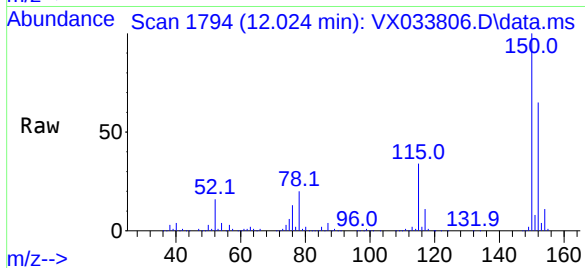
Tgt Ion: 117 Resp: 223278
Ion Ratio Lower Upper
117 100
82 50.2 40.6 60.8
119 32.2 25.6 38.4



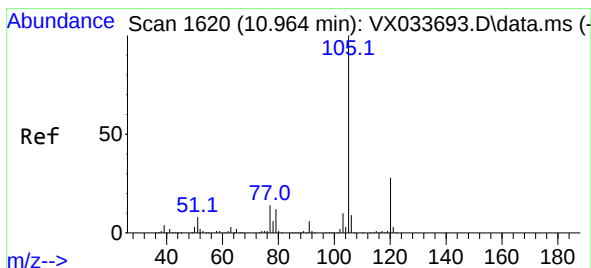
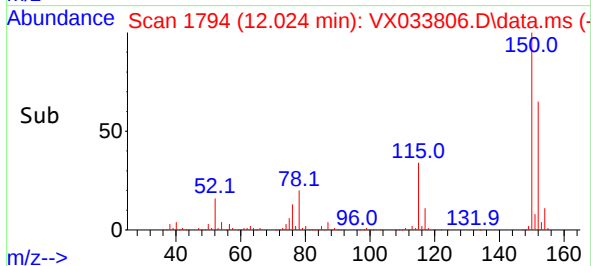
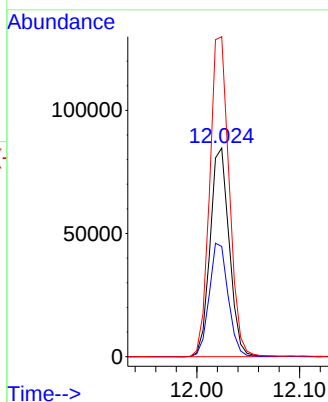


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

Instrument :
MSVOA_X
ClientSampleId :

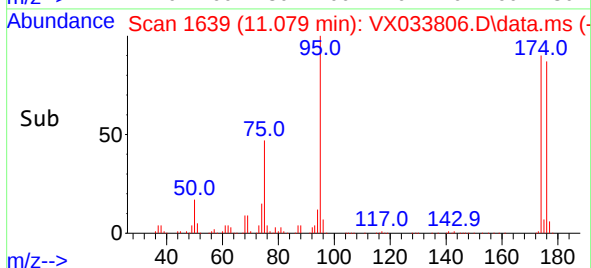
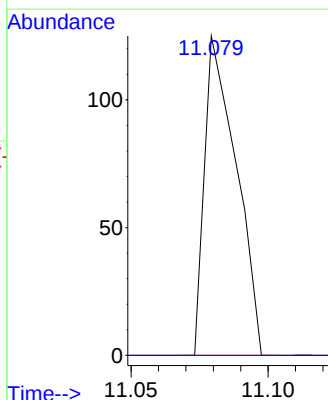
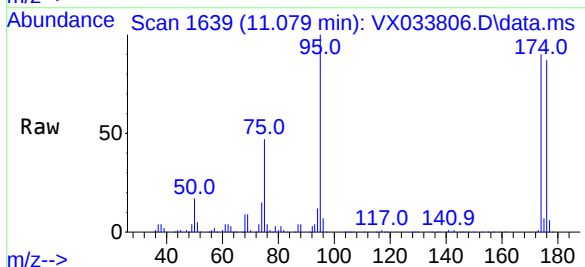


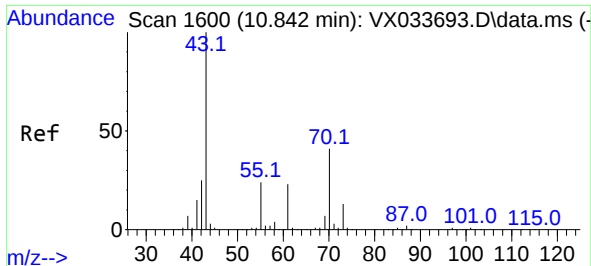
Tgt Ion:152 Resp: 109605
Ion Ratio Lower Upper
152 100
115 54.2 38.7 116.1
150 156.1 0.0 348.2



#73
Isopropylbenzene
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. 0.115 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

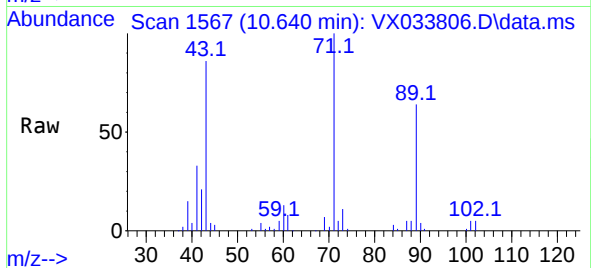
Tgt Ion:105 Resp: 100
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



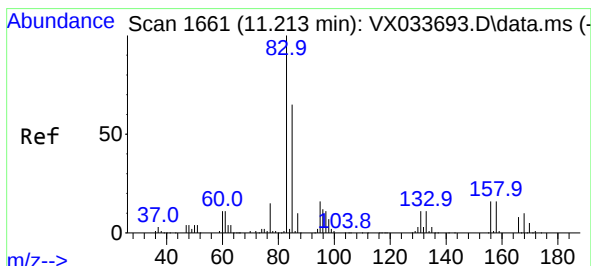
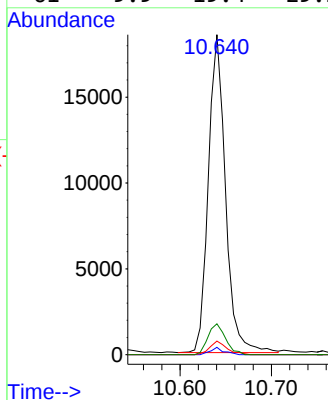
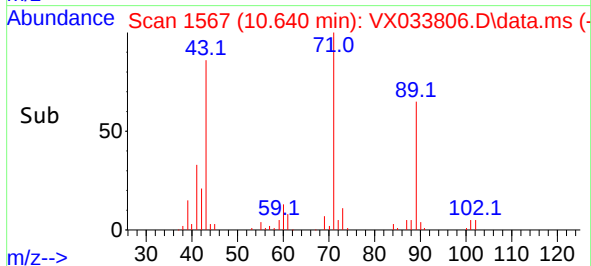


#74
N-amy1 acetate
Concen: 8.384 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.201 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

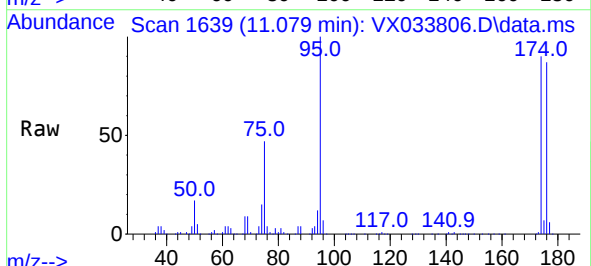
Instrument :
MSVOA_X
ClientSampleId :



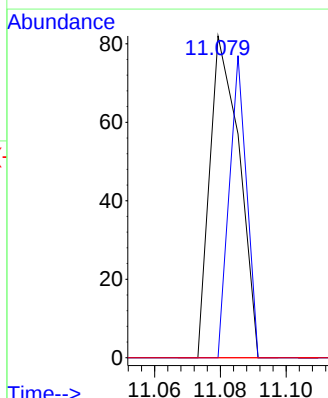
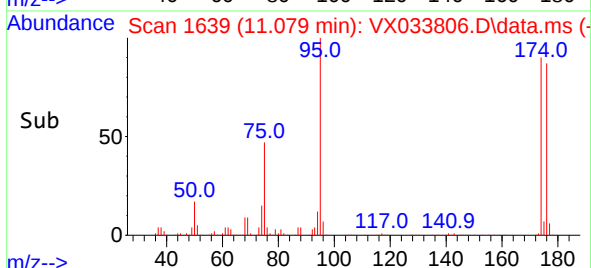
Tgt Ion: 43 Resp: 24130
Ion Ratio Lower Upper
43 100
70 1.8 34.8 52.2#
55 4.2 19.4 29.0#
61 9.9 19.4 29.2#

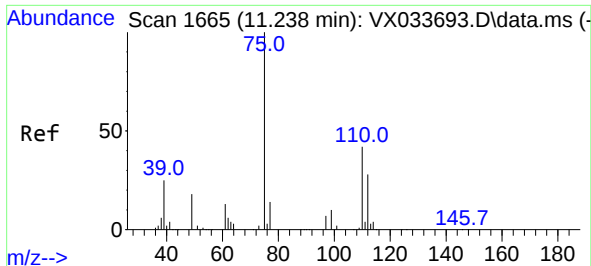


#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. -0.134 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07



Tgt Ion: 83 Resp: 51
Ion Ratio Lower Upper
83 100
131 54.9 5.5 16.7#
85 0.0 32.3 96.9#

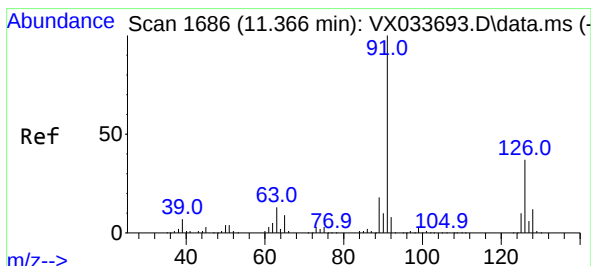
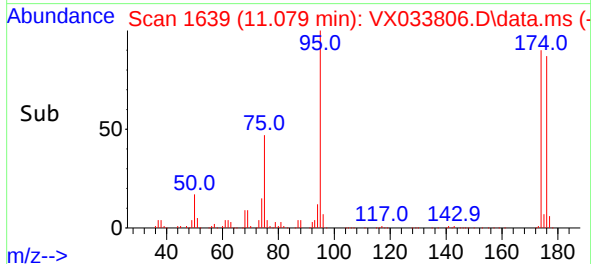
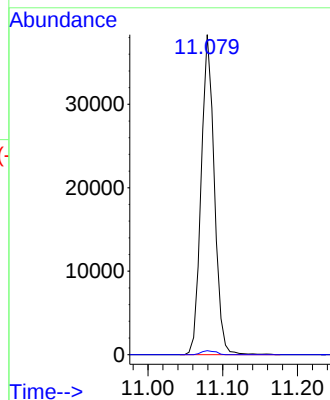
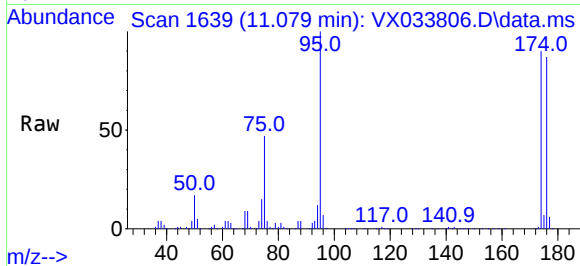




#76
1,2,3-Trichloropropane
Concen: 23.306 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.159 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

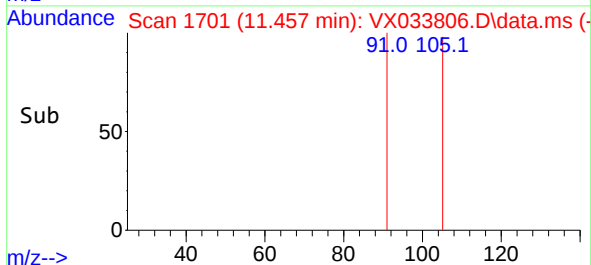
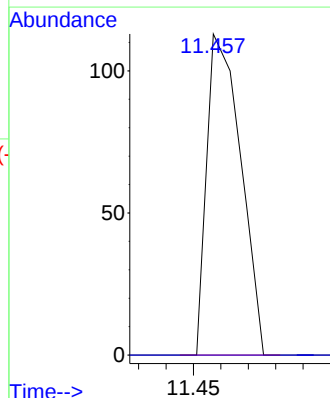
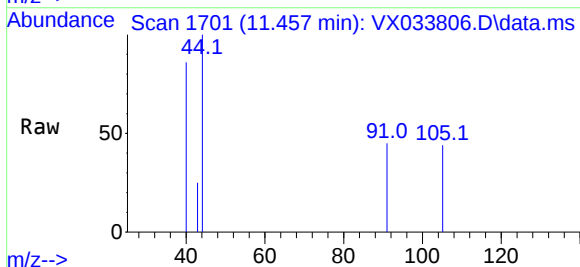
Instrument :
MSVOA_X
ClientSampleId :

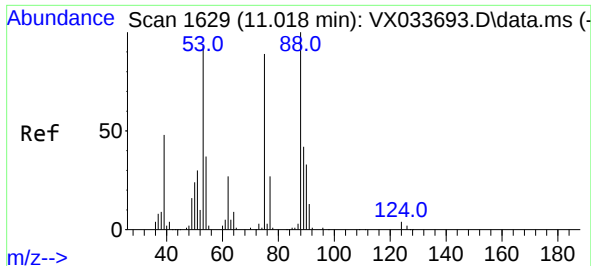
Tgt Ion: 75 Resp: 46934
Ion Ratio Lower Upper
75 100
77 1.4 21.8 65.4#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.457 min Scan# 1701
Delta R.T. 0.091 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

Tgt Ion: 91 Resp: 97
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#

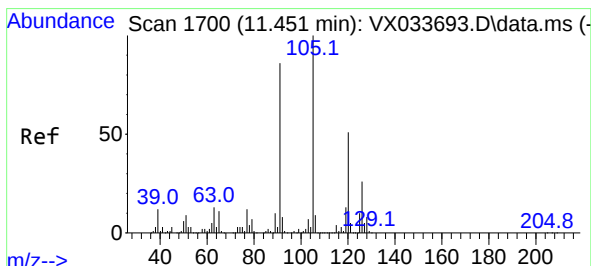
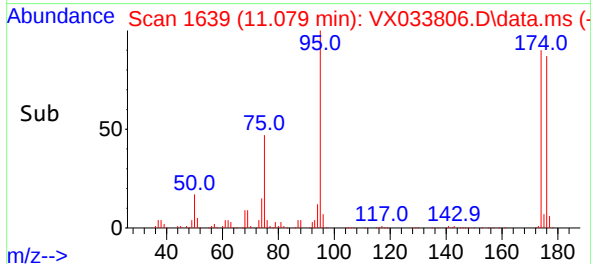
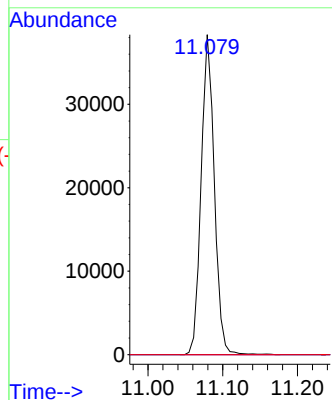
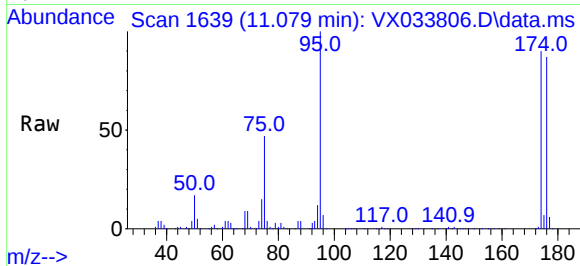




#81
trans-1,4-Dichloro-2-butene
Concen: 72.432 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 46934
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: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX033806.D
Acq: 19 Jan 2023 17:07

Tgt Ion: 91 Resp: 97
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#

