

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121421\
 Data File : VX025776.D
 Acq On : 14 Dec 2021 14:59
 Operator : JC/MD
 Sample : M5031-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 15 07:04:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

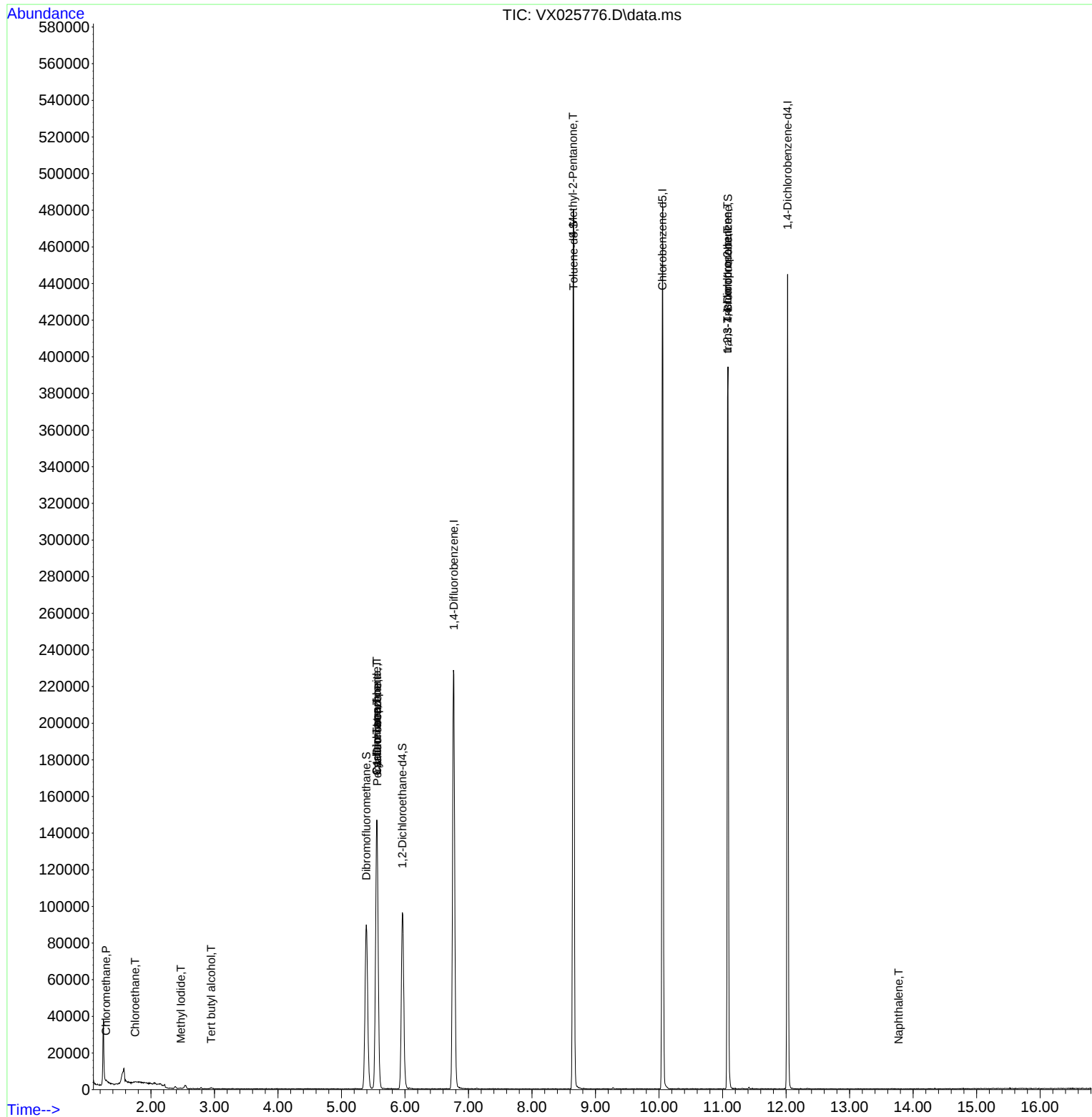
Internal Standards						
1) Pentafluorobenzene	5.562	168	137291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	238654	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	92195	46.672	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.340%
35) Dibromofluoromethane	5.391	113	78091	46.918	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.840%
50) Toluene-d8	8.653	98	278565	45.935	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.880%#
62) 4-Bromofluorobenzene	11.085	95	107720	46.762	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.520%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	423	0.265	ug/l #	83
6) Chloroethane	1.752	64	287	0.233	ug/l #	42
10) Methyl Iodide	2.471	142	417	0.224	ug/l #	87
11) Tert butyl alcohol	2.946	59	310	0.782	ug/l #	73
16) Acetone	2.380	43	1189	Below Cal		94
20) Methylene Chloride	2.794	84	174	Below Cal	#	77
31) Cyclohexane	5.556	56	3116	1.297	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10908	4.833	ug/l #	50
38) Carbon Tetrachloride	5.556	117	14696	5.596	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	1360	0.514	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	53652	25.792	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	53652	79.962	ug/l #	10
95) Naphthalene	13.774	128	35	2.417	ug/l #	69

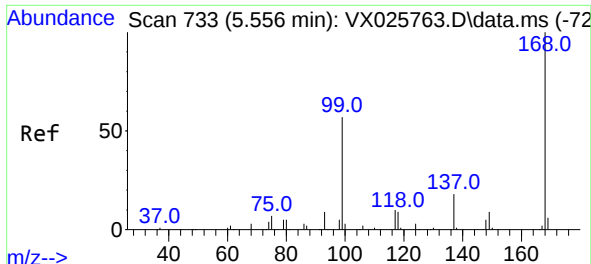
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

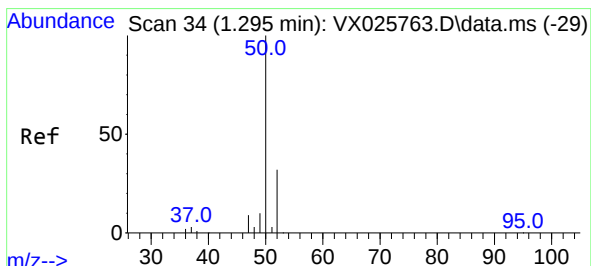
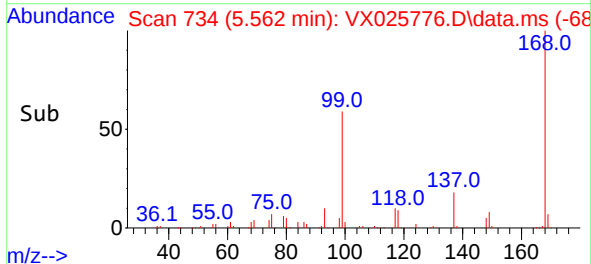
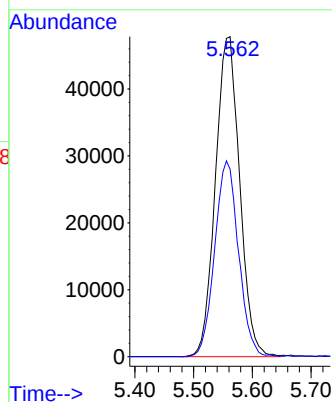
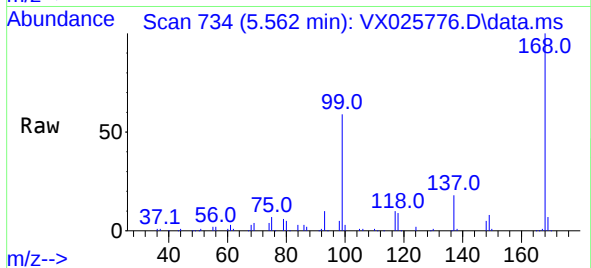




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025776.D
Acq: 14 Dec 2021 14:59

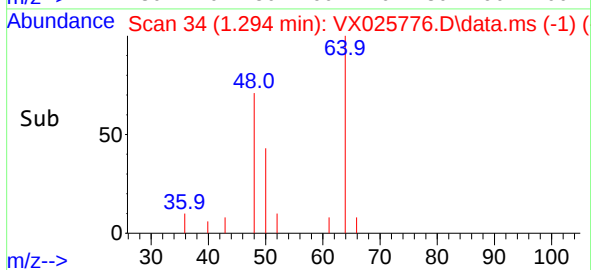
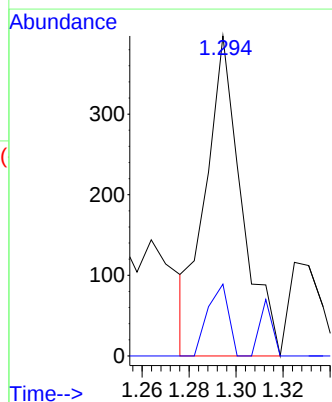
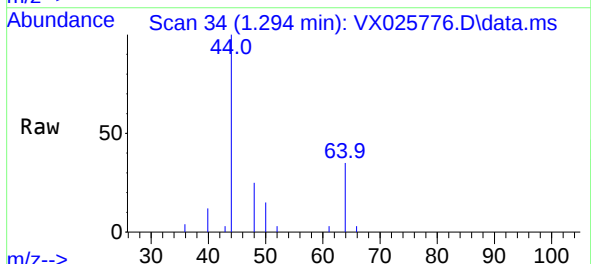
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 137291
Ion Ratio Lower Upper
168 100
99 58.6 45.8 68.8

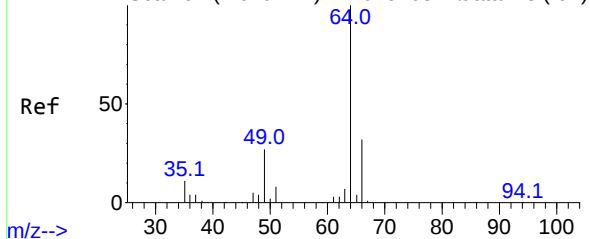


#3
Chloromethane
Concen: 0.265 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX025776.D
Acq: 14 Dec 2021 14:59

Tgt Ion: 50 Resp: 423
Ion Ratio Lower Upper
50 100
52 22.4 25.4 38.0#



Abundance Scan 97 (1.679 min): VX025763.D\data.ms (-91)

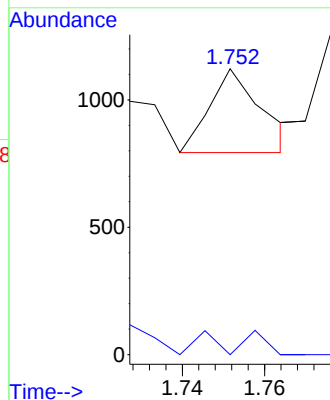
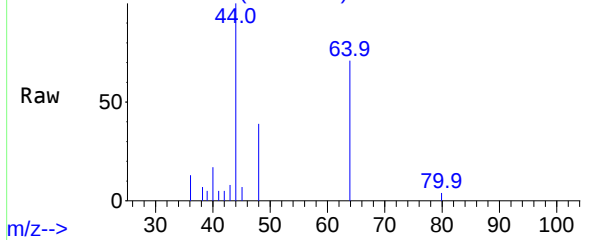


#6
Chloroethane
Concen: 0.233 ug/l
RT: 1.752 min Scan# 109
Delta R.T. 0.073 min
Lab File: VX025776.D
Acq: 14 Dec 2021 14:59

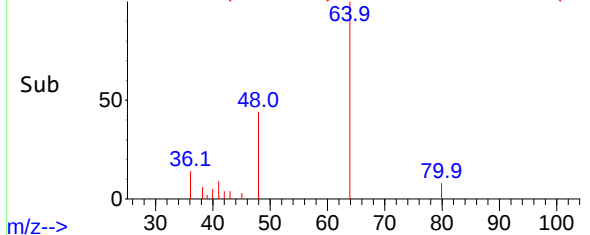
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 64 Resp: 287
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#

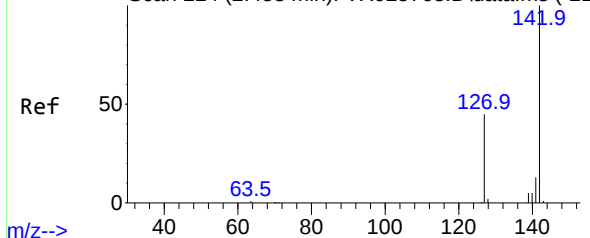
Abundance Scan 109 (1.752 min): VX025776.D\data.ms



Abundance Scan 109 (1.752 min): VX025776.D\data.ms (-48)



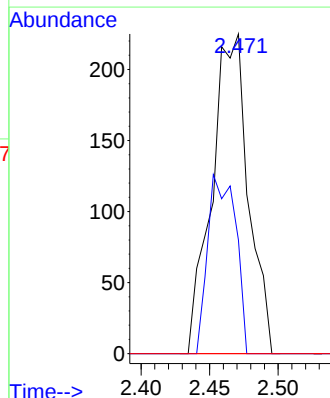
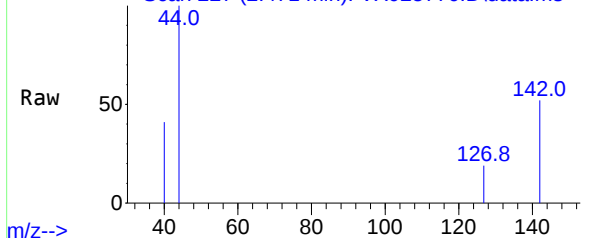
Abundance Scan 224 (2.453 min): VX025763.D\data.ms (-21)



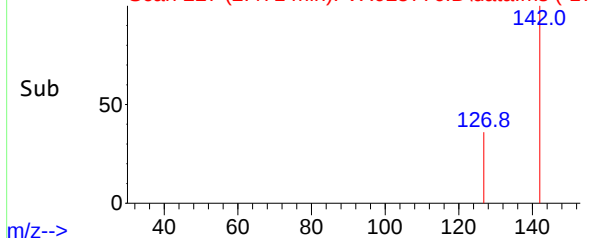
#10
Methyl Iodide
Concen: 0.224 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX025776.D
Acq: 14 Dec 2021 14:59

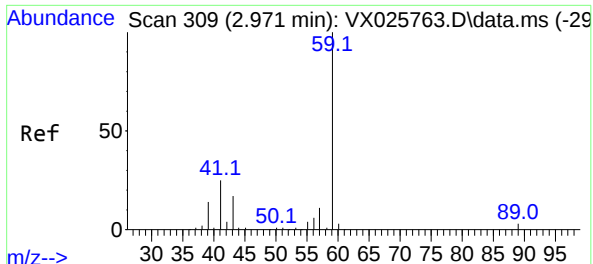
Tgt Ion: 142 Resp: 417
Ion Ratio Lower Upper
142 100
127 42.7 37.5 56.3
141 0.0 11.4 17.0#

Abundance Scan 227 (2.471 min): VX025776.D\data.ms



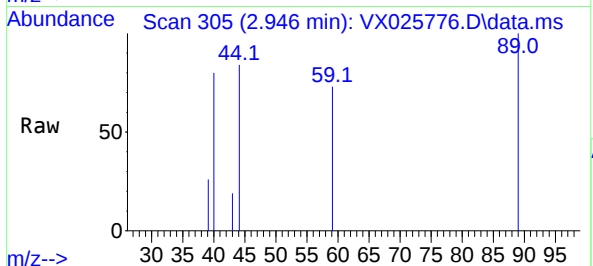
Abundance Scan 227 (2.471 min): VX025776.D\data.ms (-17)



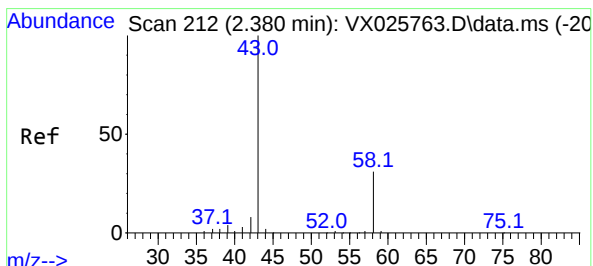
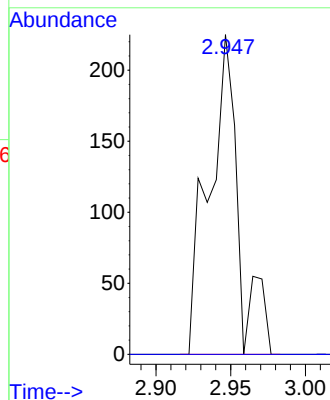
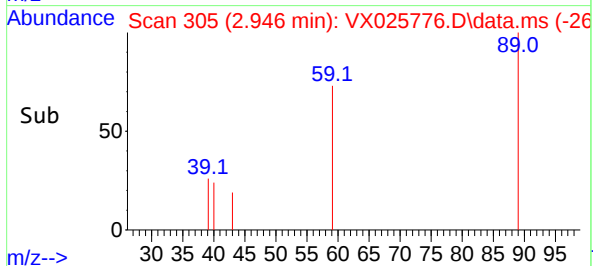


#11
Tert butyl alcohol
Concen: 0.782 ug/l
RT: 2.946 min Scan# 309
Delta R.T. -0.025 min
Lab File: VX025776.D
Acq: 14 Dec 2021 14:59

Instrument :
MSVOA_X
ClientSampleId :

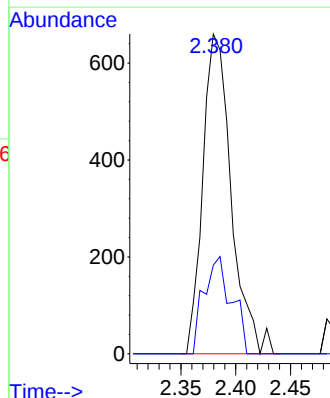
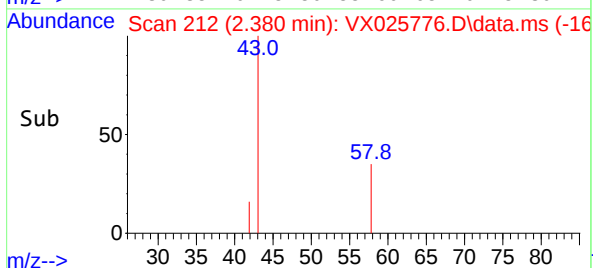
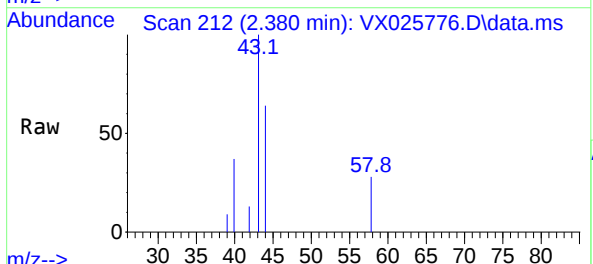


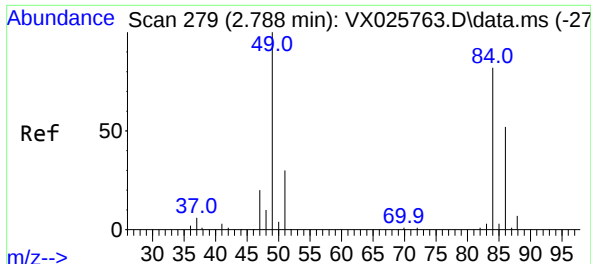
Tgt Ion: 59 Resp: 310
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025776.D
Acq: 14 Dec 2021 14:59

Tgt Ion: 43 Resp: 1189
Ion Ratio Lower Upper
43 100
58 27.7 24.8 37.2





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

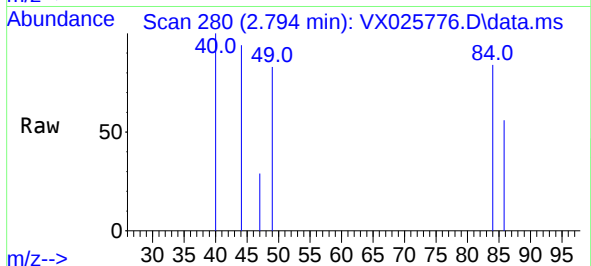
Lab File: VX025776.D

Acq: 14 Dec 2021 14:59

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 174

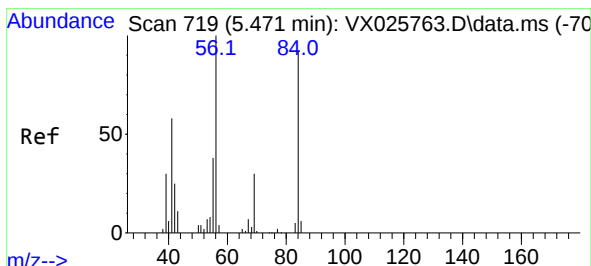
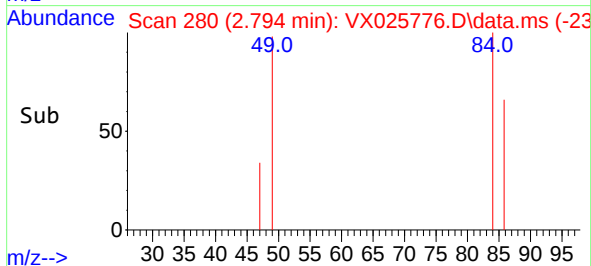
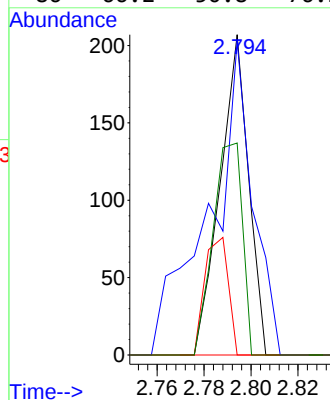
Ion Ratio Lower Upper

84 100

49 98.1 97.1 145.7

51 0.0 29.3 43.9#

86 66.2 50.8 76.2



#31

Cyclohexane

Concen: 1.297 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX025776.D

Acq: 14 Dec 2021 14:59

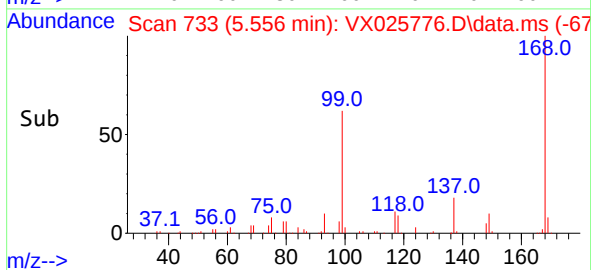
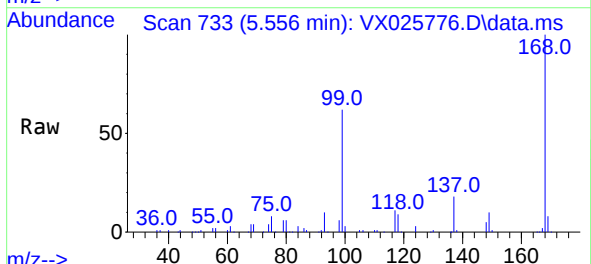
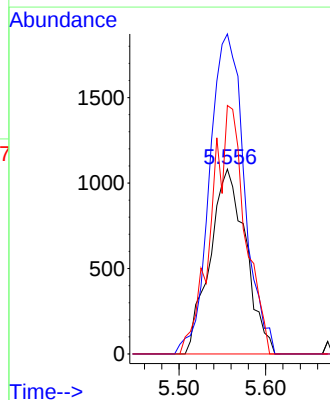
Tgt Ion: 56 Resp: 3116

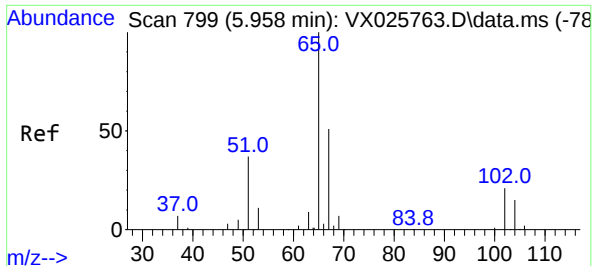
Ion Ratio Lower Upper

56 100

69 173.2 23.9 35.9#

84 134.5 73.2 109.8#





#33

1,2-Dichloroethane-d4

Concen: 46.672 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX025776.D

Acq: 14 Dec 2021 14:59

Instrument :

MSVOA_X

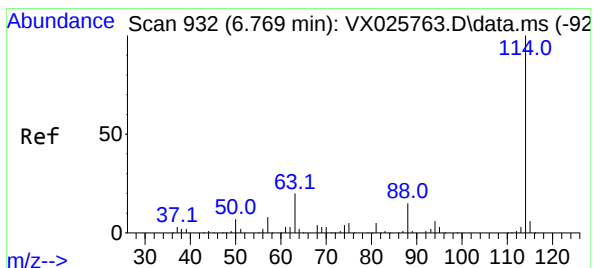
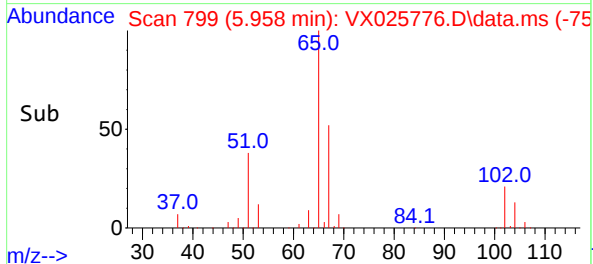
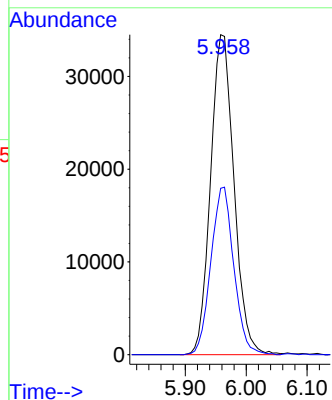
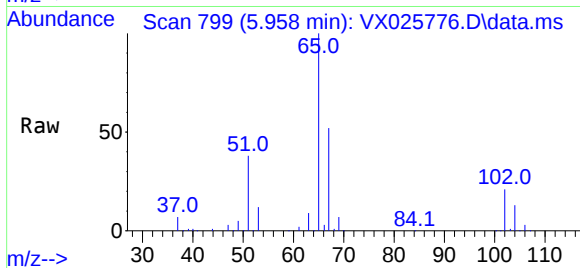
ClientSampleId :

Tgt Ion: 65 Resp: 92195

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX025776.D

Acq: 14 Dec 2021 14:59

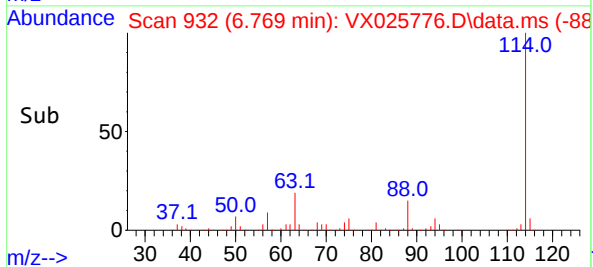
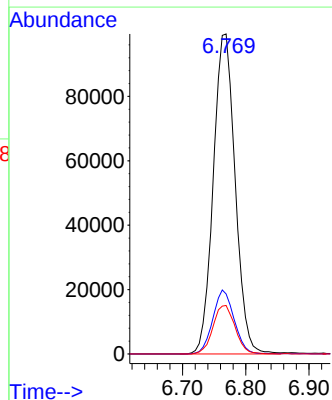
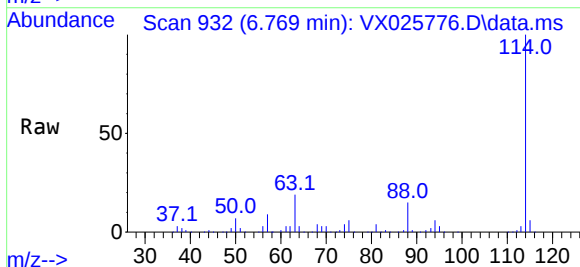
Tgt Ion: 114 Resp: 238654

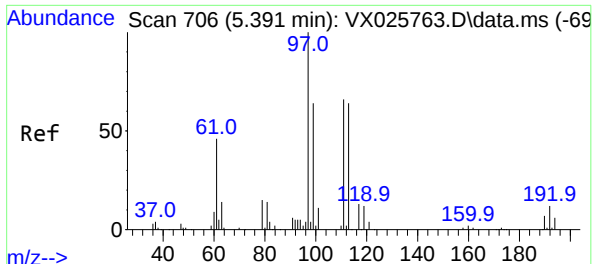
Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.0

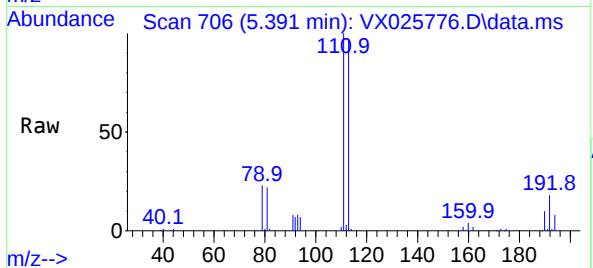
88 15.2 0.0 30.6



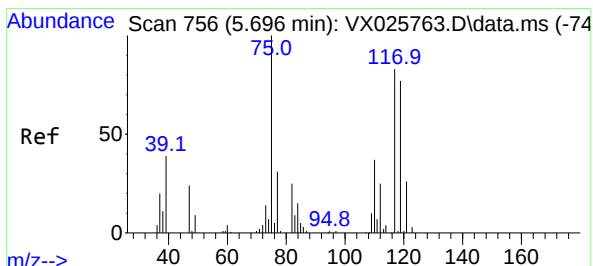
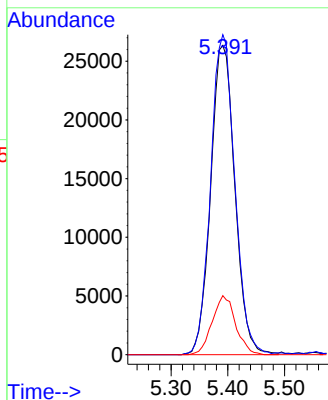
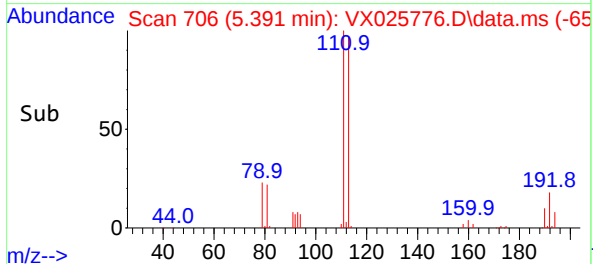


#35
Dibromofluoromethane
Concen: 46.918 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025776.D
Acq: 14 Dec 2021 14:59

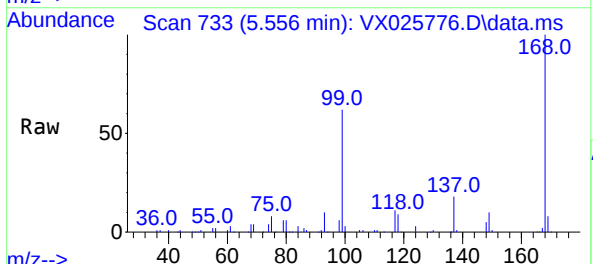
Instrument :
MSVOA_X
ClientSampleId :



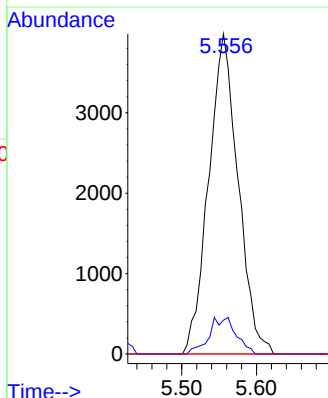
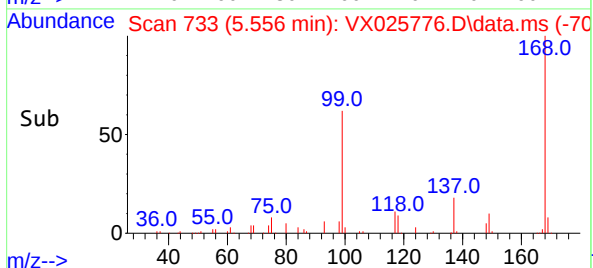
Tgt Ion:113 Resp: 78091
Ion Ratio Lower Upper
113 100
111 103.4 81.8 122.8
192 18.4 15.0 22.4

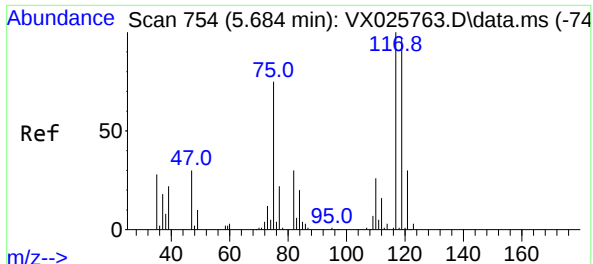


#36
1,1-Dichloropropene
Concen: 4.833 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX025776.D
Acq: 14 Dec 2021 14:59



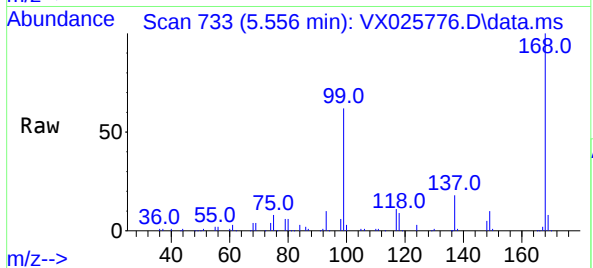
Tgt Ion: 75 Resp: 10908
Ion Ratio Lower Upper
75 100
110 10.5 18.2 54.6#
77 0.0 24.7 37.1#



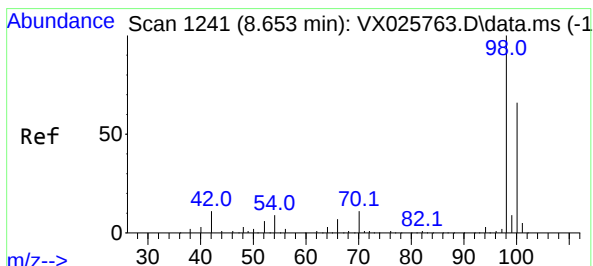
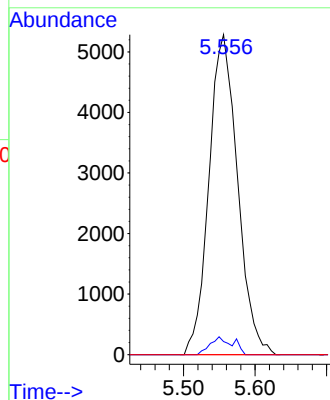
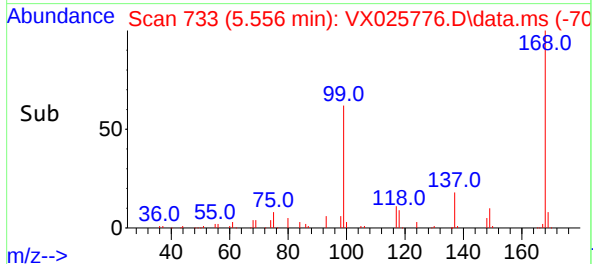


#38
Carbon Tetrachloride
Concen: 5.596 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX025776.D
Acq: 14 Dec 2021 14:59

Instrument :
MSVOA_X
ClientSampleId :

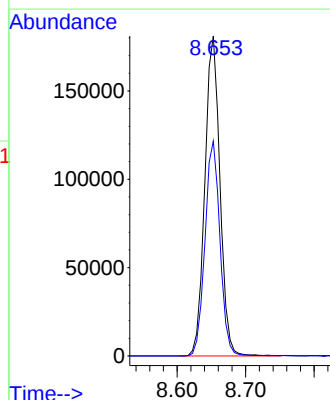
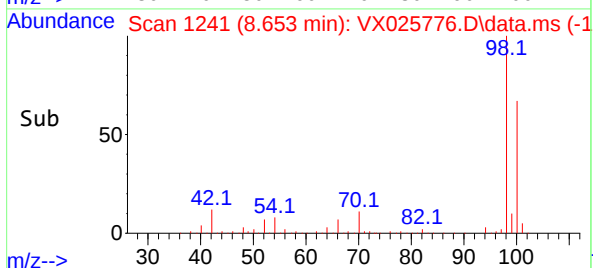
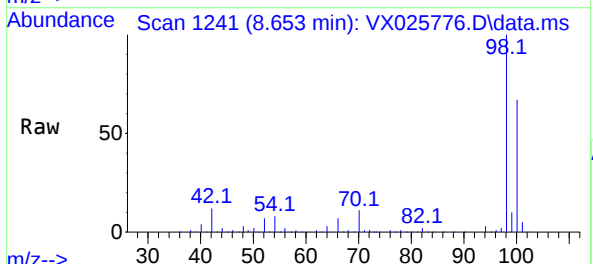


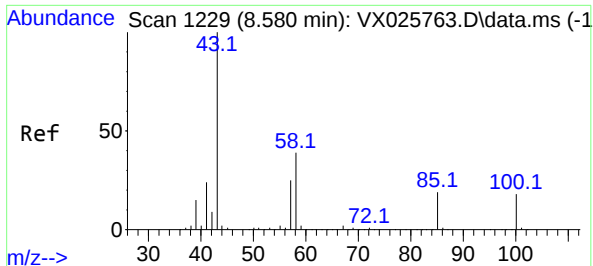
Tgt Ion:117 Resp: 14696
Ion Ratio Lower Upper
117 100
119 4.1 77.2 115.8#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 45.935 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025776.D
Acq: 14 Dec 2021 14:59

Tgt Ion: 98 Resp: 278565
Ion Ratio Lower Upper
98 100
100 66.6 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.514 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX025776.D

Acq: 14 Dec 2021 14:59

Instrument :

MSVOA_X

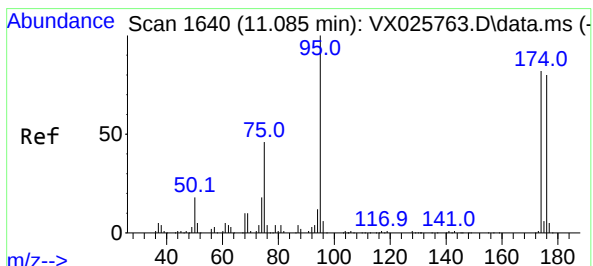
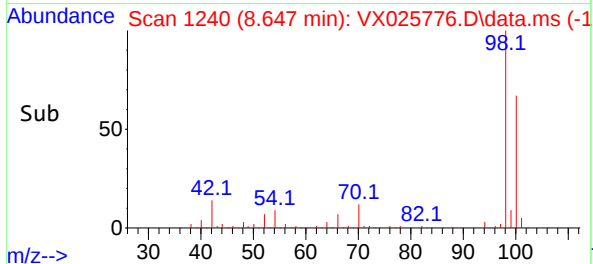
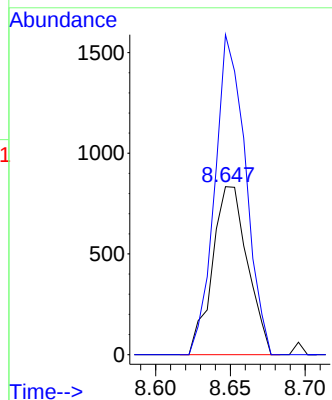
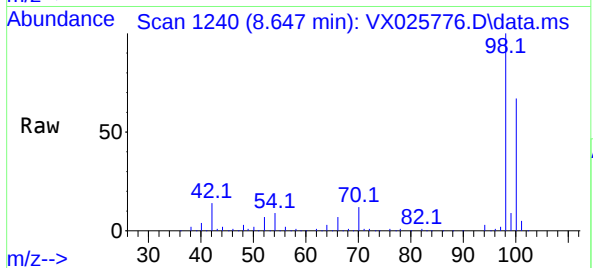
ClientSampleId :

Tgt Ion: 43 Resp: 1360

Ion Ratio Lower Upper

43 100

58 166.9 30.8 46.2#



#62

4-Bromofluorobenzene

Concen: 46.762 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX025776.D

Acq: 14 Dec 2021 14:59

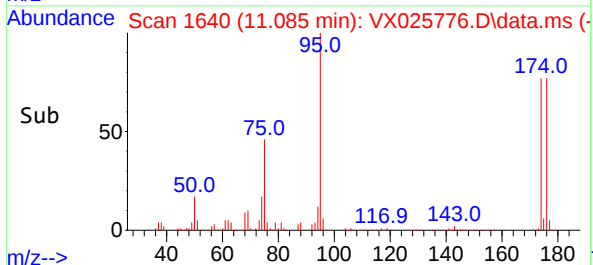
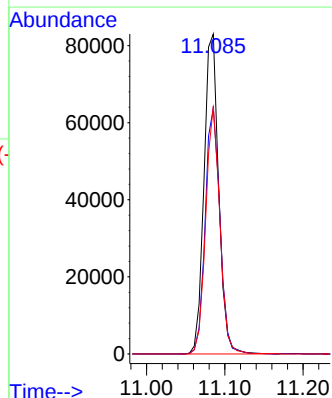
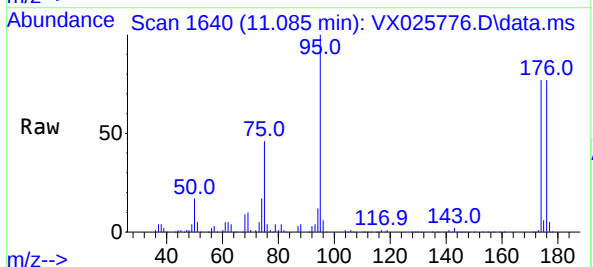
Tgt Ion: 95 Resp: 107720

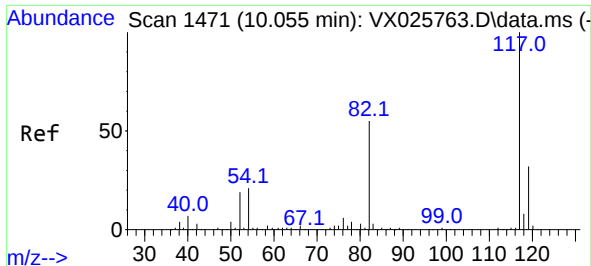
Ion Ratio Lower Upper

95 100

174 77.4 0.0 157.4

176 74.6 0.0 154.6

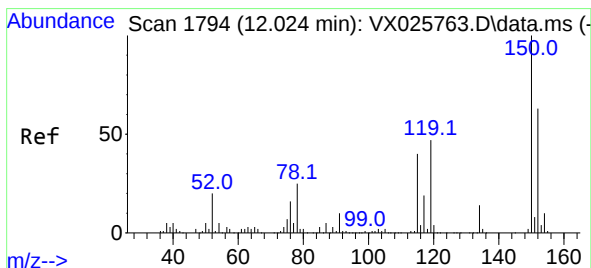
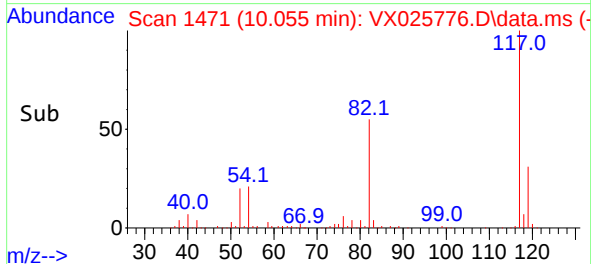
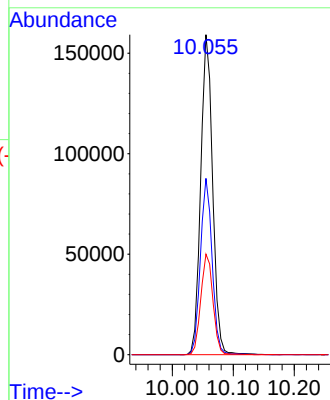
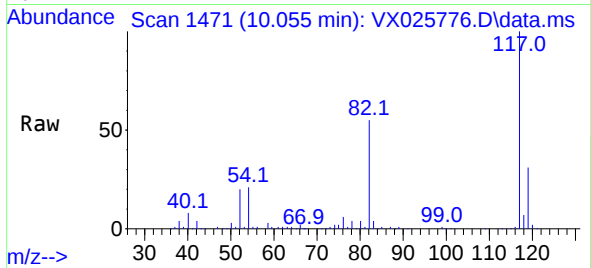




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025776.D
Acq: 14 Dec 2021 14:59

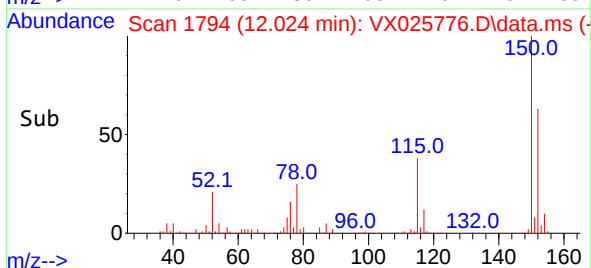
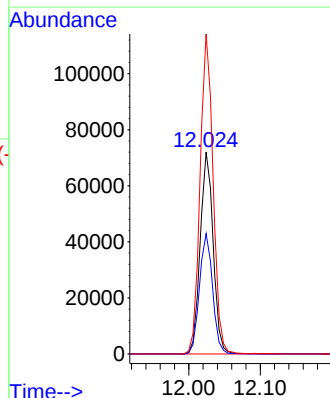
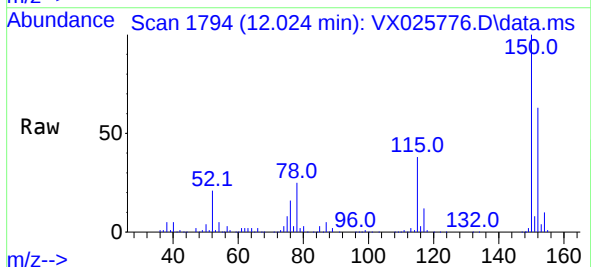
Instrument :
MSVOA_X
ClientSampleId :

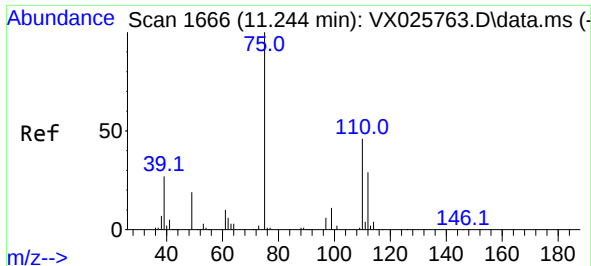
Tgt Ion:117 Resp: 216665
Ion Ratio Lower Upper
117 100
82 55.1 43.8 65.6
119 31.4 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025776.D
Acq: 14 Dec 2021 14:59

Tgt Ion:152 Resp: 90791
Ion Ratio Lower Upper
152 100
115 60.0 41.3 123.9
150 158.1 0.0 351.8

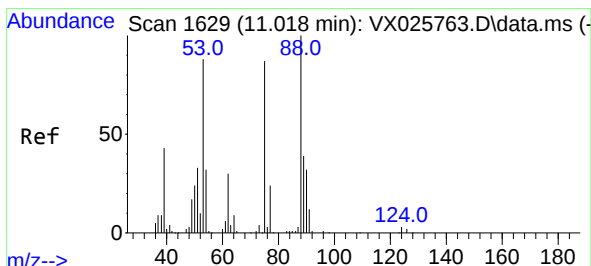
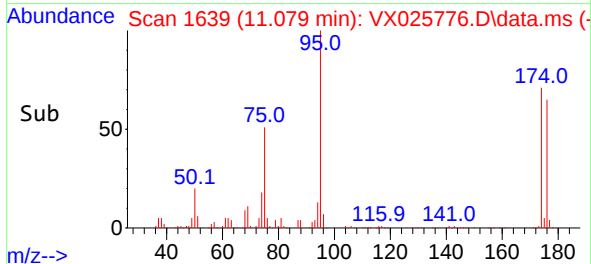
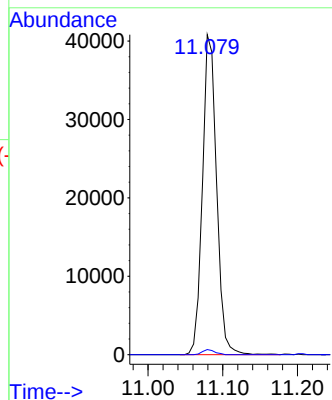
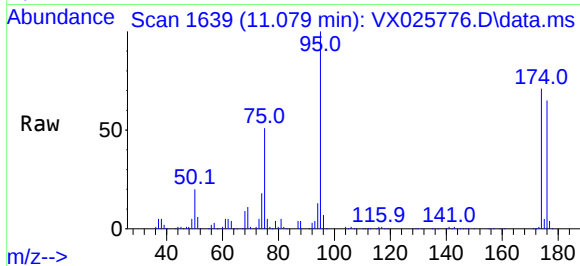




#76
1,2,3-Trichloropropane
Concen: 25.792 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025776.D
Acq: 14 Dec 2021 14:59

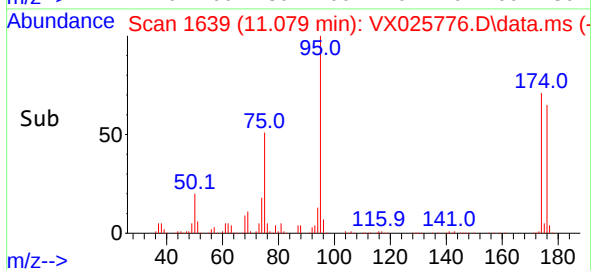
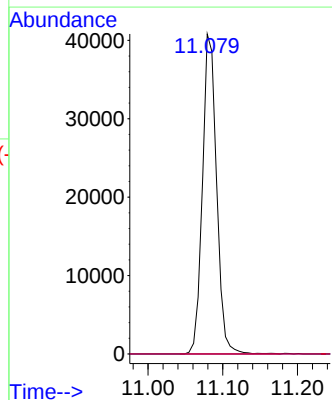
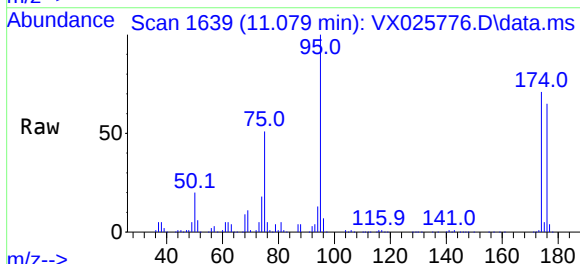
Instrument :
MSVOA_X
ClientSampleId :

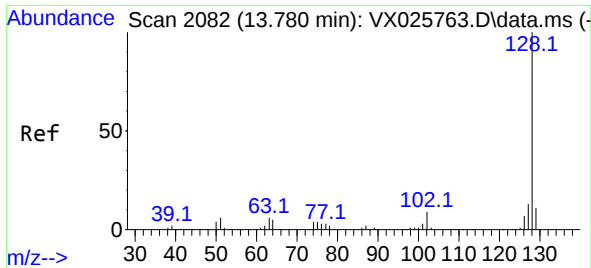
Tgt Ion: 75 Resp: 53652
Ion Ratio Lower Upper
75 100
77 1.4 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.962 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025776.D
Acq: 14 Dec 2021 14:59

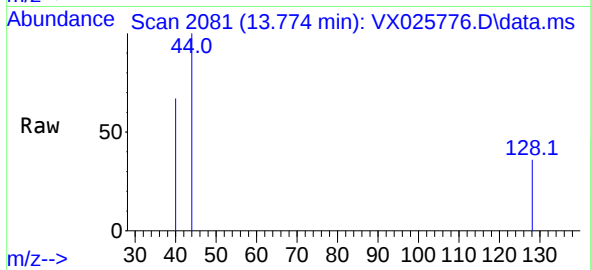
Tgt Ion: 75 Resp: 53652
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#





#95
Naphthalene
Concen: 2.417 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX025776.D
Acq: 14 Dec 2021 14:59

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 35
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

