

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121721\
 Data File : VX025857.D
 Acq On : 16 Dec 2021 15:54
 Operator : JC/MD
 Sample : M5084-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 17 02:31:42 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

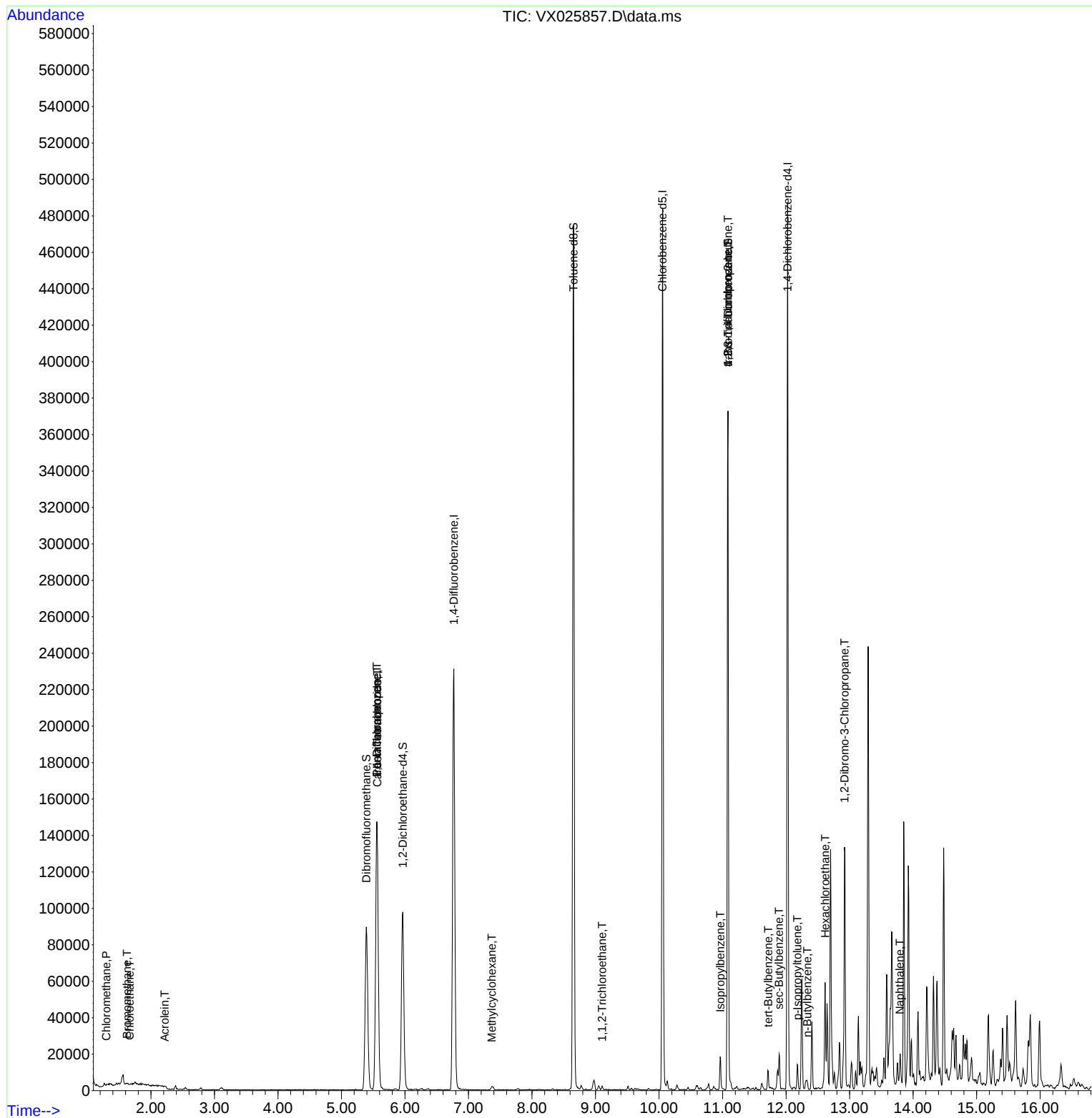
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	138457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	239784	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214819	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	94297	47.334	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.660%
35) Dibromofluoromethane	5.391	113	75929	45.404	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.800%
50) Toluene-d8	8.653	98	279864	45.932	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.860%#
62) 4-Bromofluorobenzene	11.085	95	99970	43.193	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.380%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	394	0.244	ug/l	99
5) Bromomethane	1.624	94	345	0.282	ug/l	93
6) Chloroethane	1.666	64	329	0.265	ug/l #	42
13) Acrolein	2.215	56	59	0.216	ug/l #	1
16) Acetone	2.386	43	2190	Below Cal		97
20) Methylene Chloride	2.794	84	74	Below Cal	#	47
36) 1,1-Dichloropropene	5.556	75	11333	4.997	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14274	5.410	ug/l #	16
39) Methylcyclohexane	7.367	83	891	0.351	ug/l #	79
55) 1,1,2-Trichloroethane	9.104	97	733	0.397	ug/l #	15
73) Isopropylbenzene	10.963	105	9108	1.309	ug/l	97
76) 1,2,3-Trichloropropane	11.085	75	50222	22.872	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	50222	70.909	ug/l #	10
83) tert-Butylbenzene	11.719	119	3901	0.690	ug/l	84
85) sec-Butylbenzene	11.890	105	9731	1.432	ug/l #	70
86) p-Isopropyltoluene	12.177	119	5669	0.993	ug/l	93
89) n-Butylbenzene	12.335	91	1477	0.310	ug/l	93
90) Hexachloroethane	12.616	117	2766	2.466	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	12.920	75	444	0.815	ug/l #	1
95) Naphthalene	13.792	128	1067	2.567	ug/l #	1

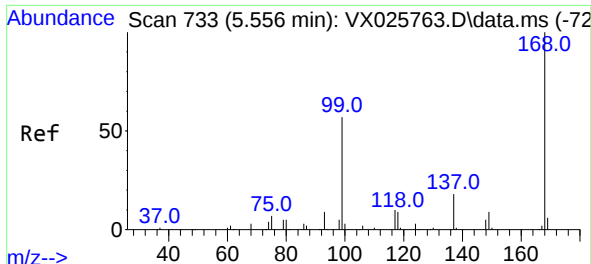
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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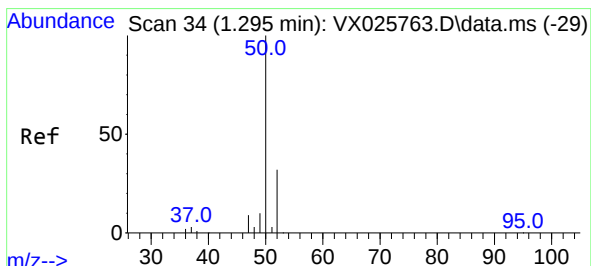
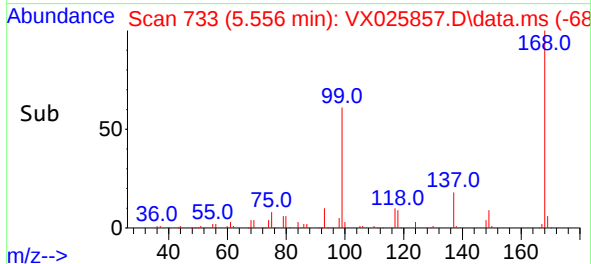
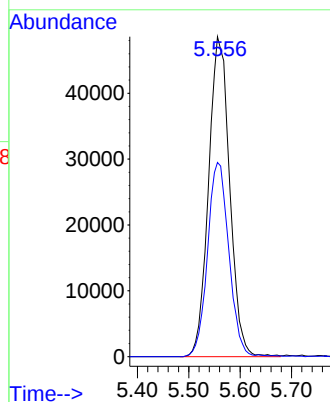
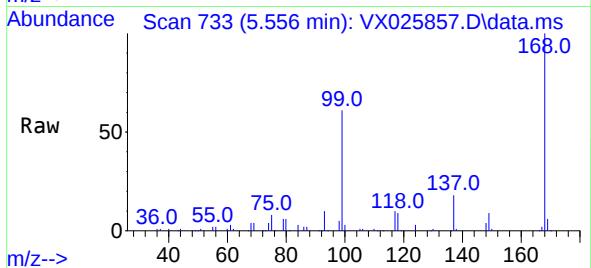




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025857.D
Acq: 16 Dec 2021 15:54

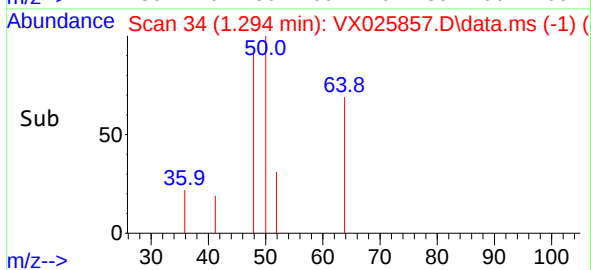
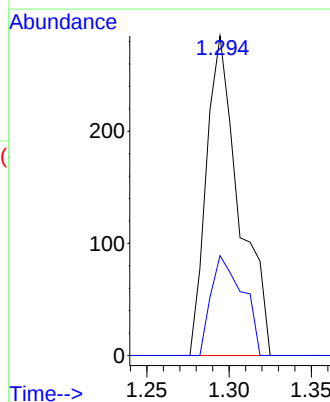
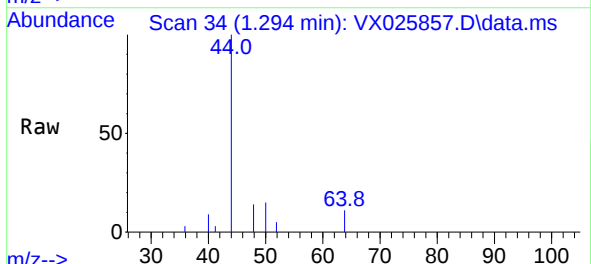
Instrument :
MSVOA_X
ClientSampleId :

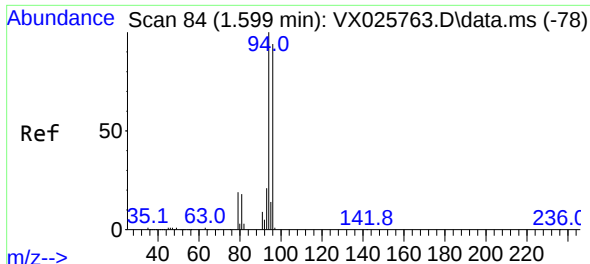
Tgt Ion:168 Resp: 138457
Ion Ratio Lower Upper
168 100
99 60.7 45.8 68.8



#3
Chloromethane
Concen: 0.244 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX025857.D
Acq: 16 Dec 2021 15:54

Tgt Ion: 50 Resp: 394
Ion Ratio Lower Upper
50 100
52 31.2 25.4 38.0

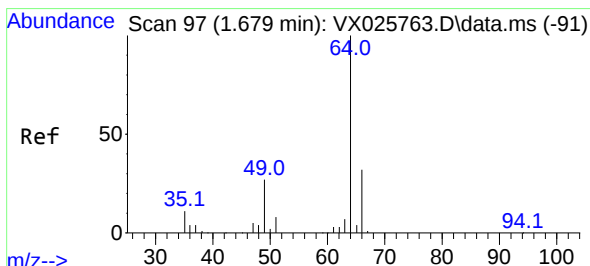
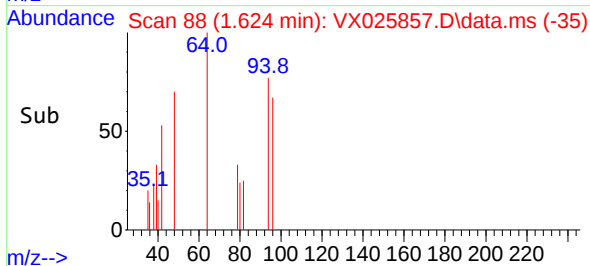
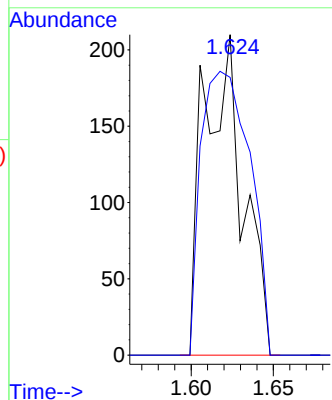
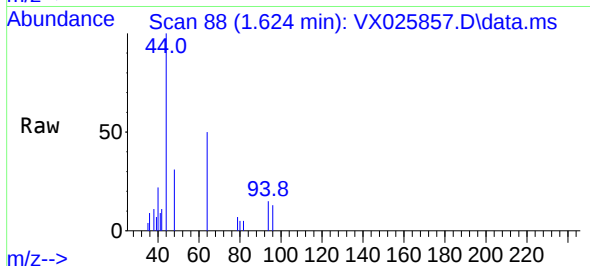




#5
Bromomethane
Concen: 0.282 ug/l
RT: 1.624 min Scan# 84
Delta R.T. 0.024 min
Lab File: VX025857.D
Acq: 16 Dec 2021 15:54

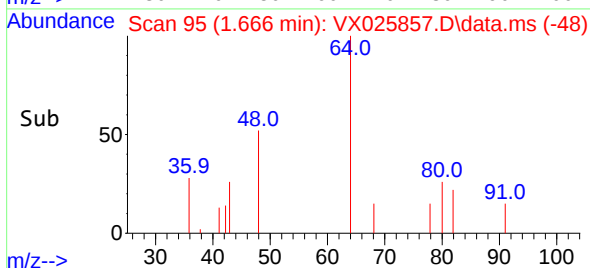
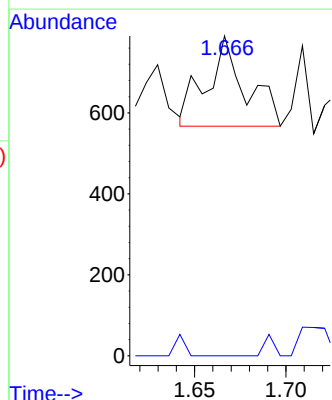
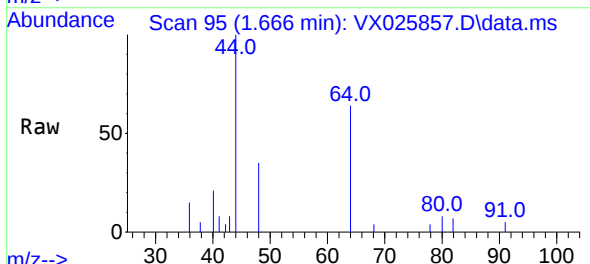
Instrument :
MSVOA_X
ClientSampleId :

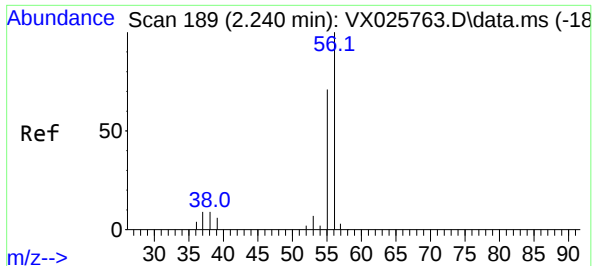
Tgt Ion: 94 Resp: 345
Ion Ratio Lower Upper
94 100
96 86.7 75.0 112.4



#6
Chloroethane
Concen: 0.265 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX025857.D
Acq: 16 Dec 2021 15:54

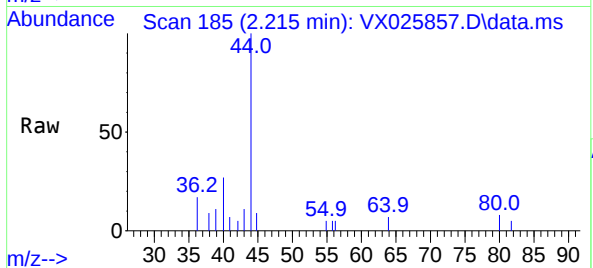
Tgt Ion: 64 Resp: 329
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



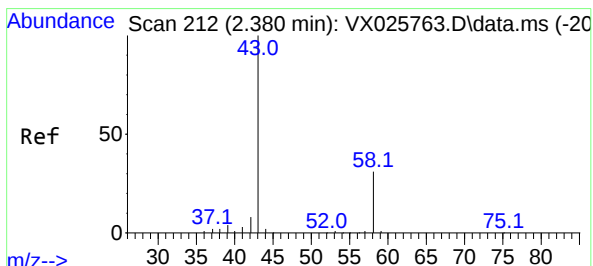
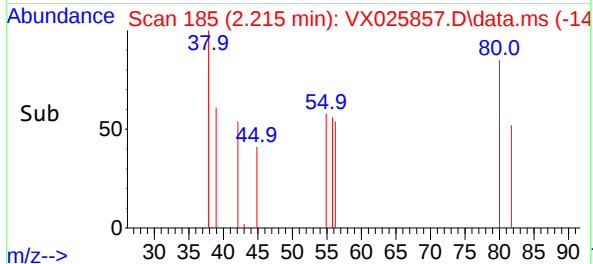
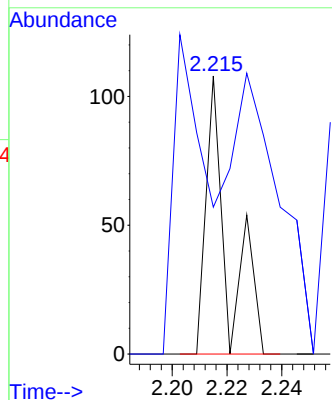


#13
Acrolein
Concen: 0.216 ug/l
RT: 2.215 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX025857.D
Acq: 16 Dec 2021 15:54

Instrument :
MSVOA_X
ClientSampleId :

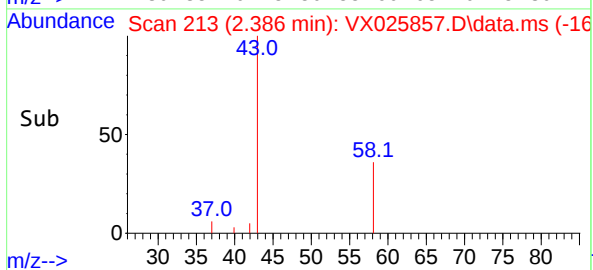
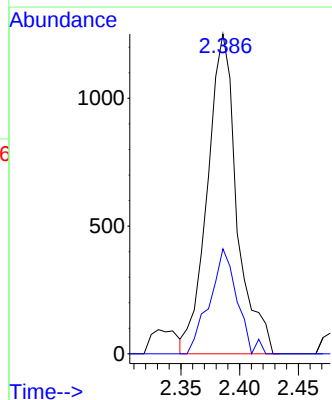
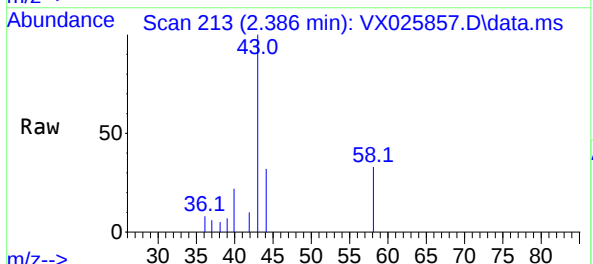


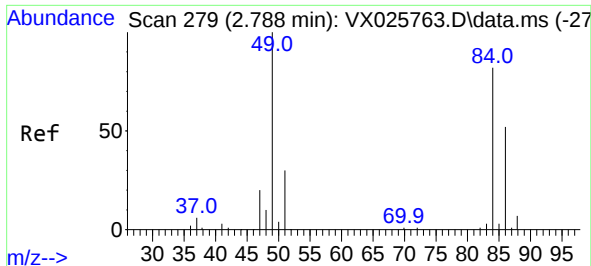
Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 232.2 57.4 86.2#



#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX025857.D
Acq: 16 Dec 2021 15:54

Tgt Ion: 43 Resp: 2190
Ion Ratio Lower Upper
43 100
58 32.8 24.8 37.2





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

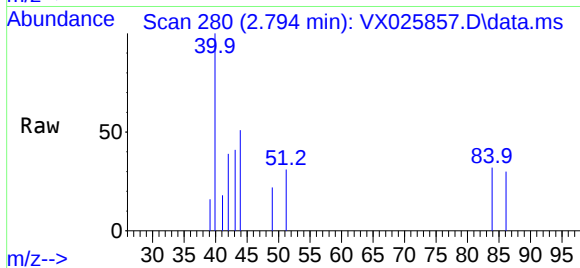
Lab File: VX025857.D

Acq: 16 Dec 2021 15:54

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 74

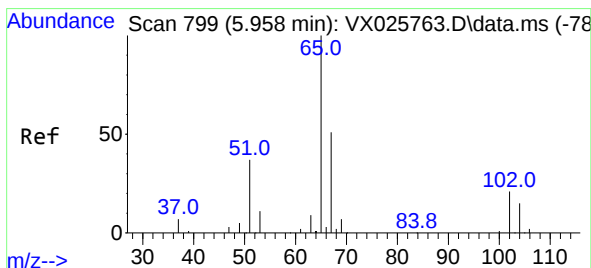
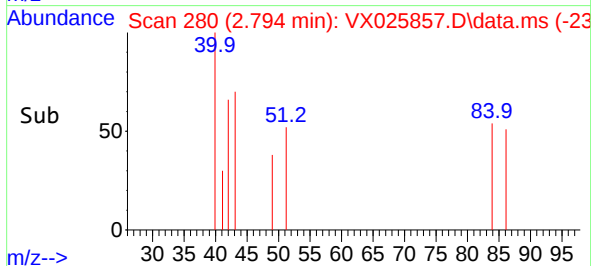
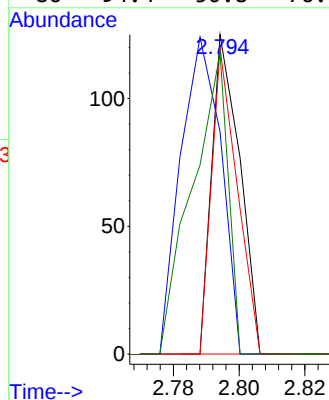
Ion Ratio Lower Upper

84 100

49 69.6 97.1 145.7#

51 96.0 29.3 43.9#

86 94.4 50.8 76.2#



#33

1,2-Dichloroethane-d4

Concen: 47.334 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX025857.D

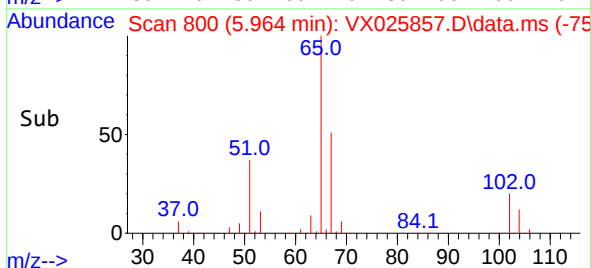
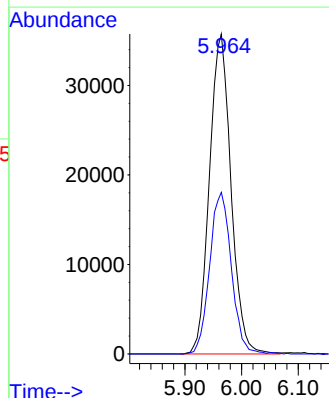
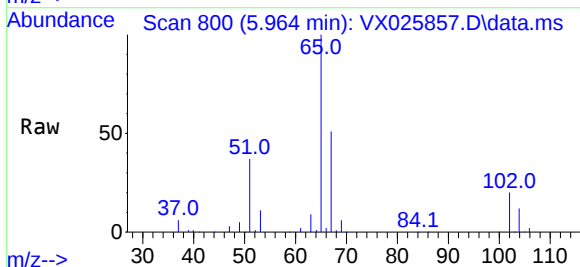
Acq: 16 Dec 2021 15:54

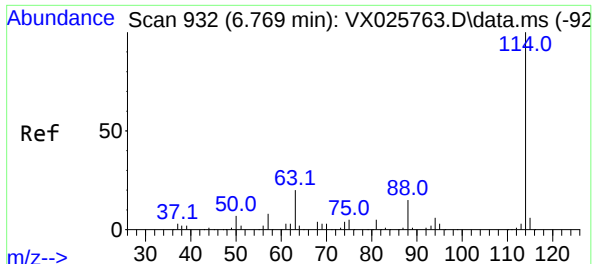
Tgt Ion: 65 Resp: 94297

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.4

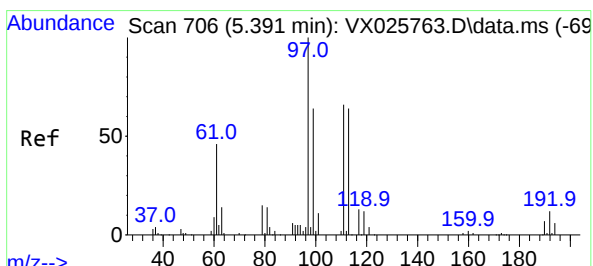
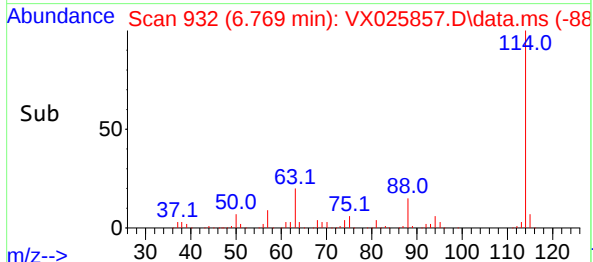
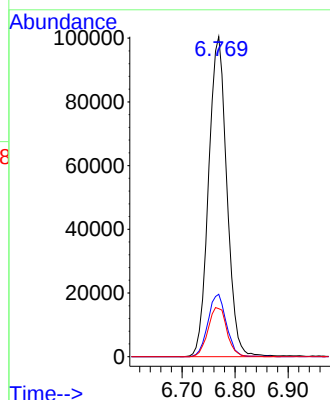
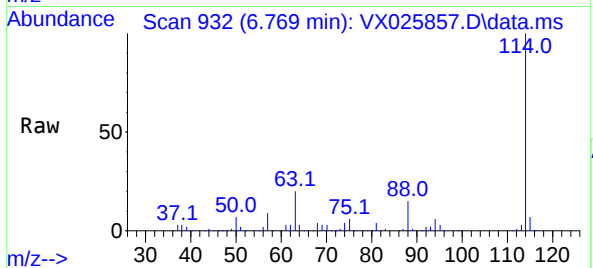




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX025857.D
Acq: 16 Dec 2021 15:54

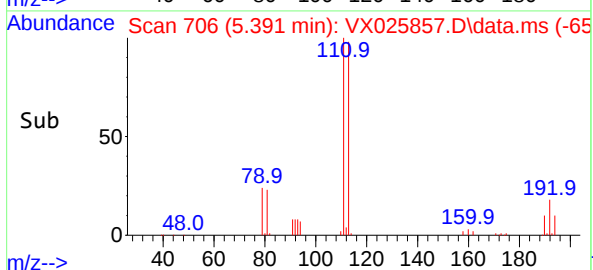
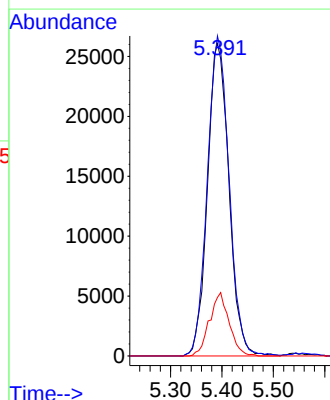
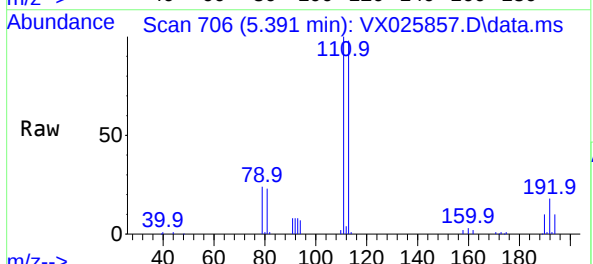
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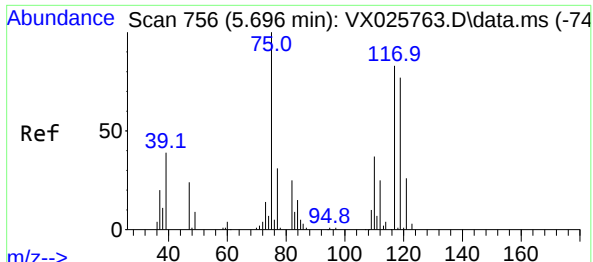
Tgt Ion:114 Resp: 239784
Ion Ratio Lower Upper
114 100
63 19.5 0.0 40.0
88 15.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 45.404 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025857.D
Acq: 16 Dec 2021 15:54

Tgt Ion:113 Resp: 75929
Ion Ratio Lower Upper
113 100
111 103.6 81.8 122.8
192 18.5 15.0 22.4





#36

1,1-Dichloropropene

Concen: 4.997 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

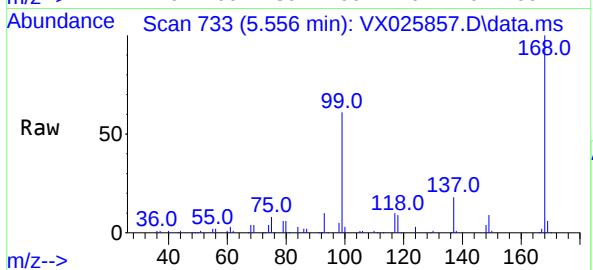
Lab File: VX025857.D

Acq: 16 Dec 2021 15:54

Instrument :

MSVOA_X

ClientSampleId :



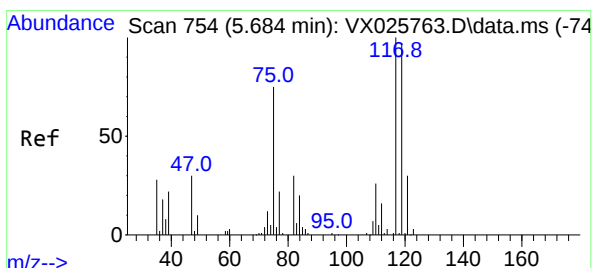
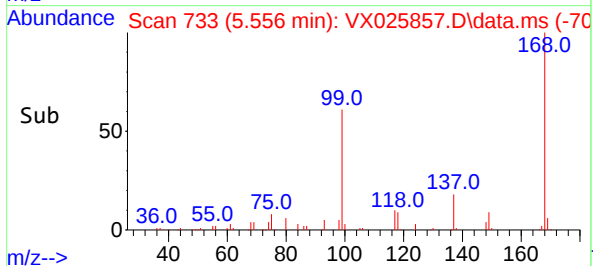
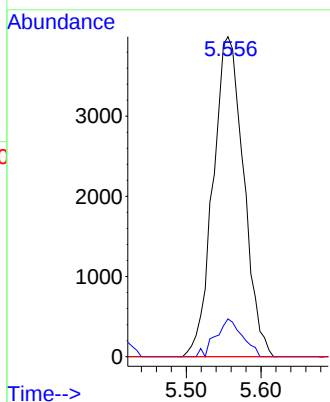
Tgt Ion: 75 Resp: 11333

Ion Ratio Lower Upper

75 100

110 10.3 18.2 54.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.410 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX025857.D

Acq: 16 Dec 2021 15:54

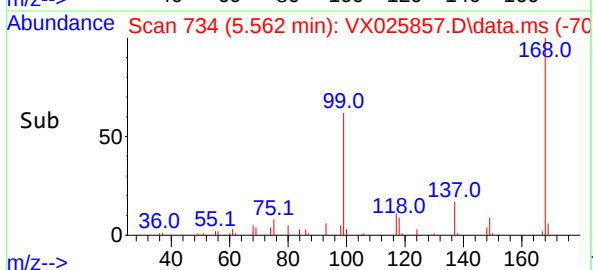
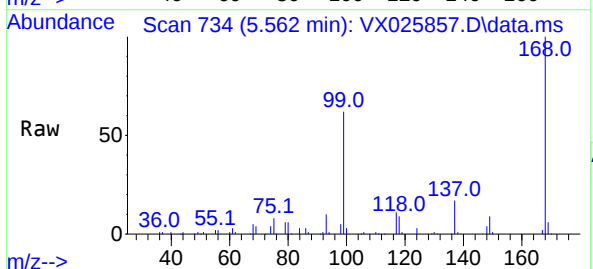
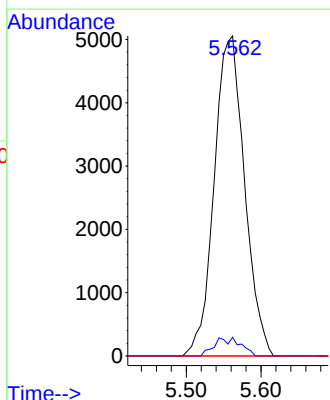
Tgt Ion: 117 Resp: 14274

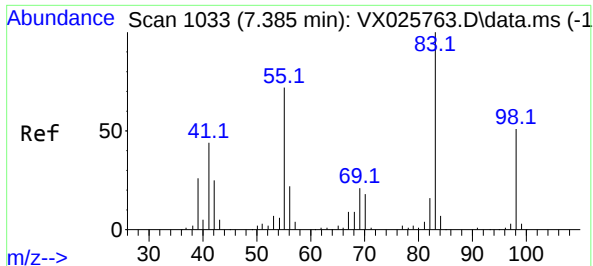
Ion Ratio Lower Upper

117 100

119 5.9 77.2 115.8#

121 0.0 23.8 35.8#

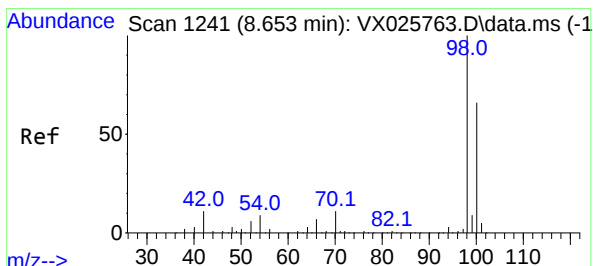
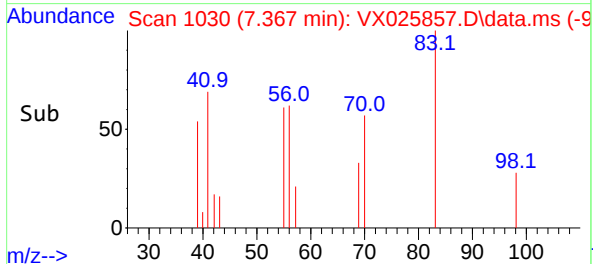
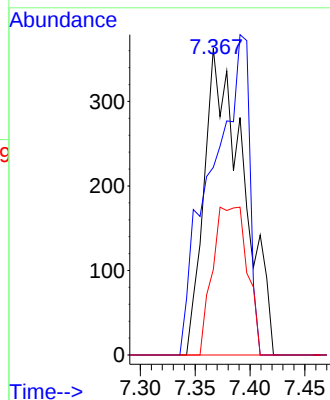
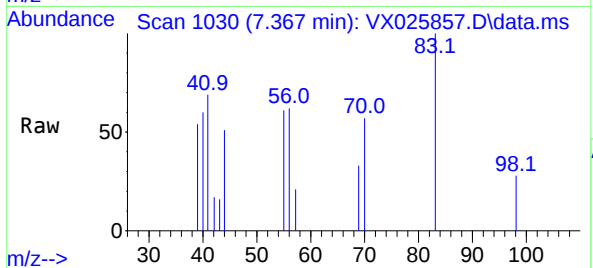




#39
Methylcyclohexane
Concen: 0.351 ug/l
RT: 7.367 min Scan# 1033
Delta R.T. -0.018 min
Lab File: VX025857.D
Acq: 16 Dec 2021 15:54

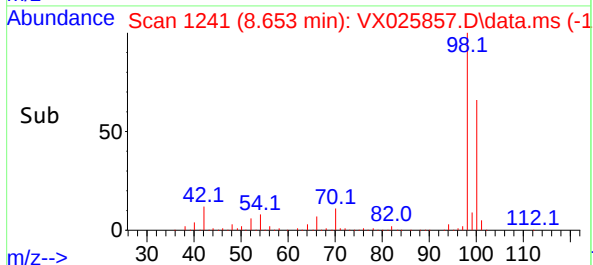
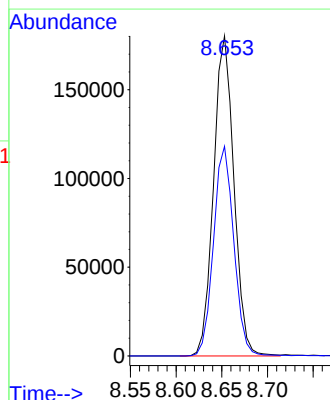
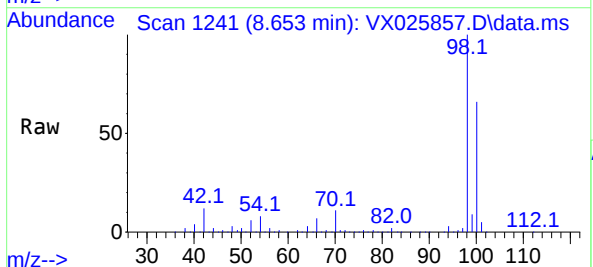
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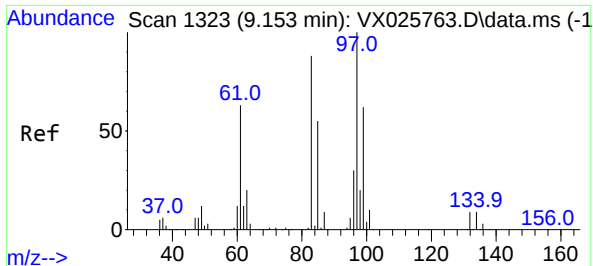
Tgt Ion: 83 Resp: 891
Ion Ratio Lower Upper
83 100
55 61.2 57.8 86.8
98 27.8 40.5 60.7#



#50
Toluene-d8
Concen: 45.932 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025857.D
Acq: 16 Dec 2021 15:54

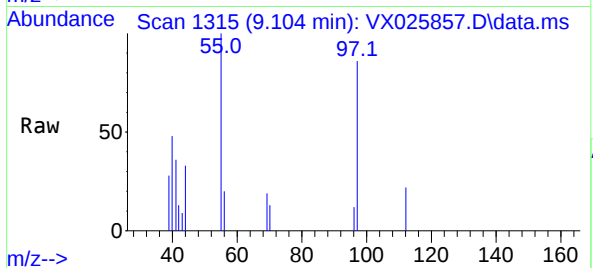
Tgt Ion: 98 Resp: 279864
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8





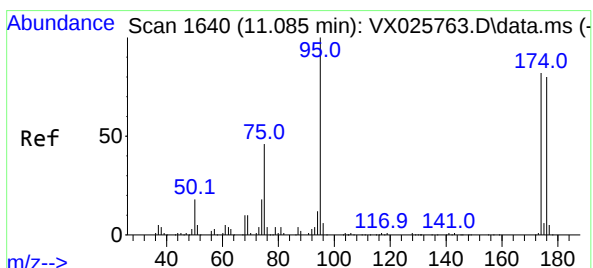
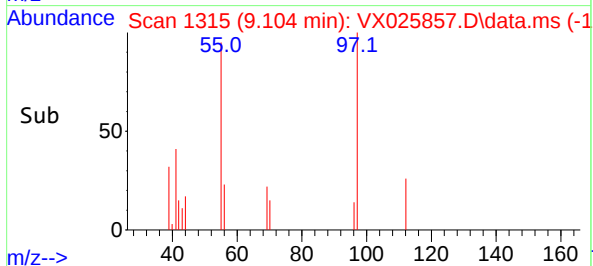
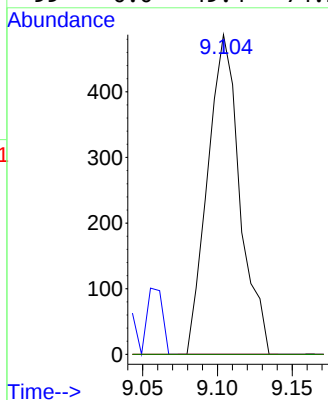
#55
1,1,2-Trichloroethane
Concen: 0.397 ug/l
RT: 9.104 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX025857.D
Acq: 16 Dec 2021 15:54

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 97 Resp: 733

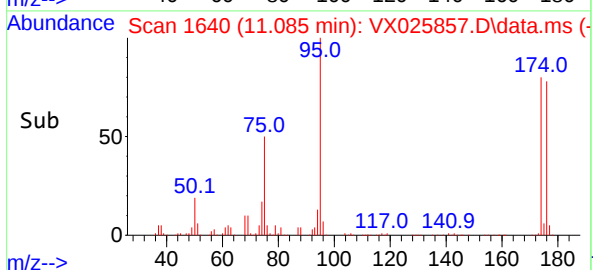
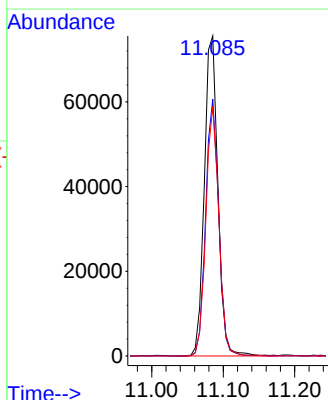
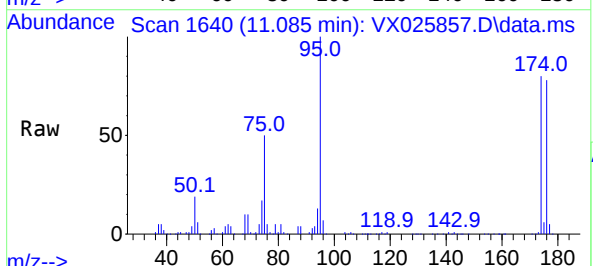
Ion	Ratio	Lower	Upper
97	100		
83	0.0	70.5	105.7#
85	0.0	43.8	65.6#
99	0.0	49.4	74.2#

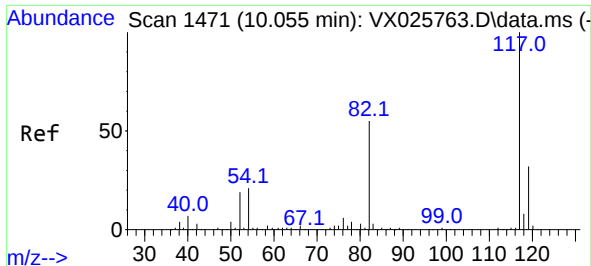


#62
4-Bromofluorobenzene
Concen: 43.193 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX025857.D
Acq: 16 Dec 2021 15:54

Tgt Ion: 95 Resp: 99970

Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	157.4
176	74.6	0.0	154.6

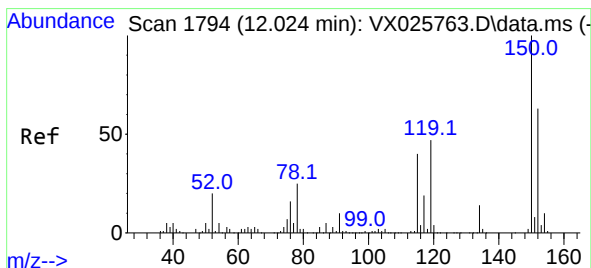
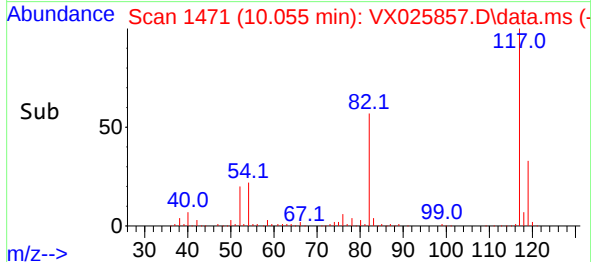
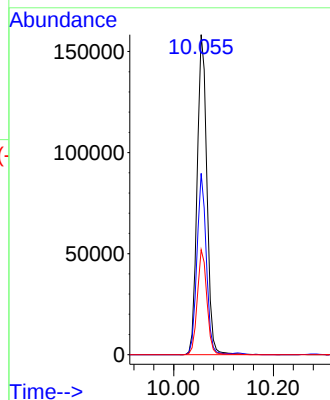
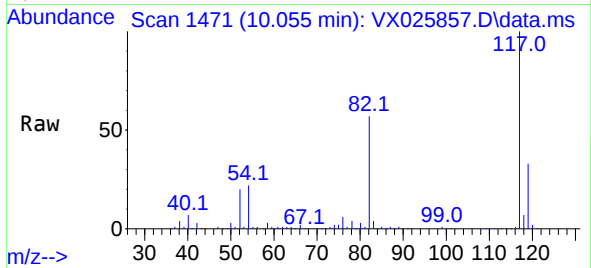




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025857.D
Acq: 16 Dec 2021 15:54

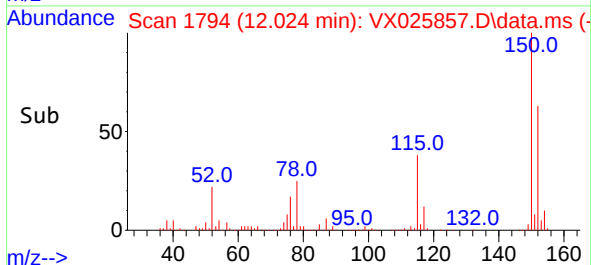
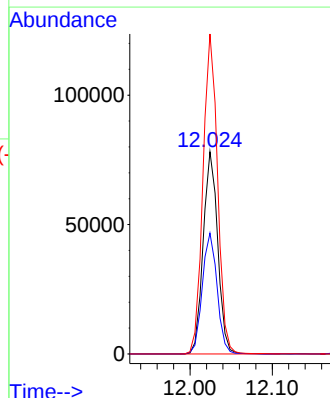
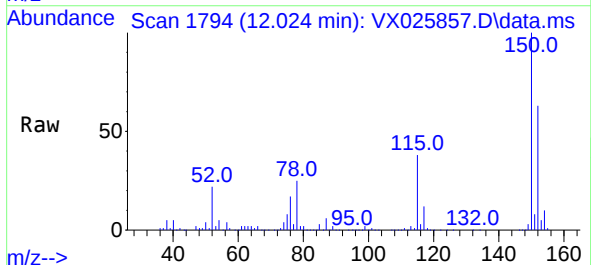
Instrument :
MSVOA_X
ClientSampleId :

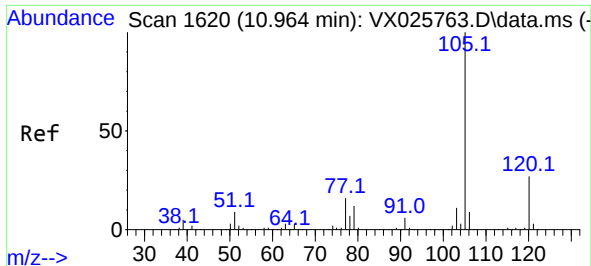
Tgt Ion:117 Resp: 214819
Ion Ratio Lower Upper
117 100
82 56.7 43.8 65.6
119 32.8 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025857.D
Acq: 16 Dec 2021 15:54

Tgt Ion:152 Resp: 95837
Ion Ratio Lower Upper
152 100
115 60.9 41.3 123.9
150 158.9 0.0 351.8

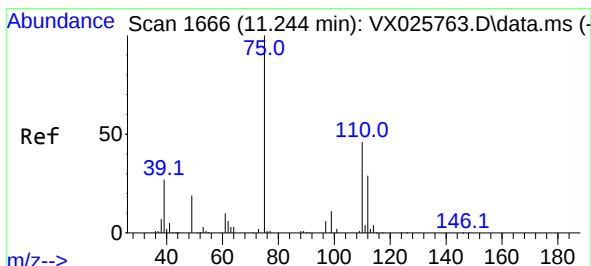
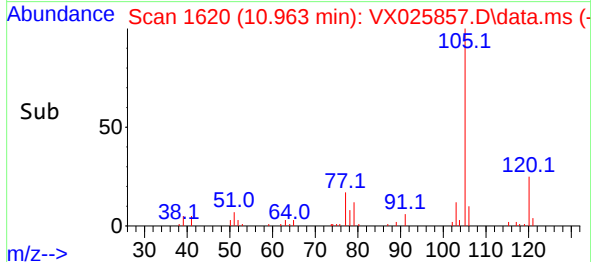
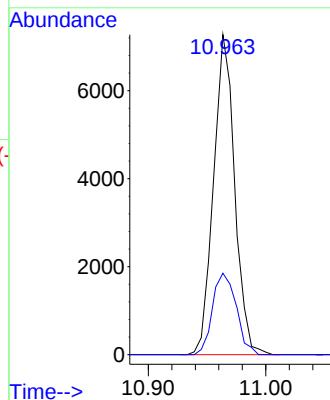
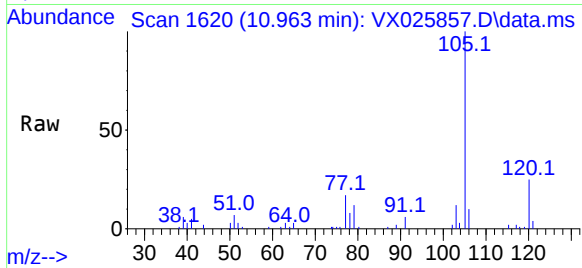




#73
Isopropylbenzene
Concen: 1.309 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX025857.D
Acq: 16 Dec 2021 15:54

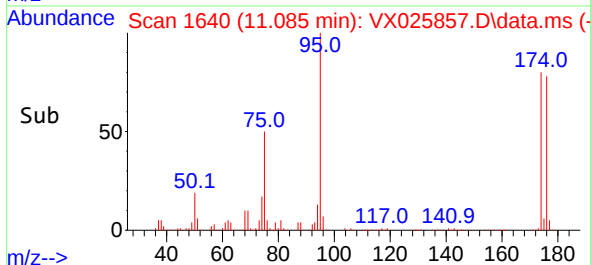
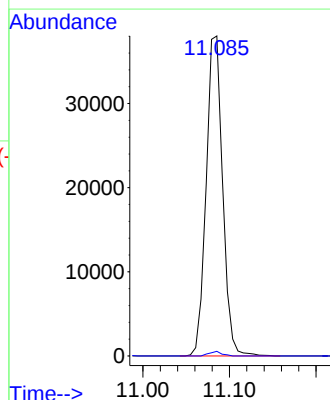
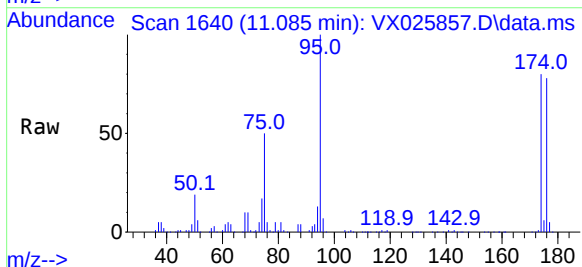
Instrument :
MSVOA_X
ClientSampleId :

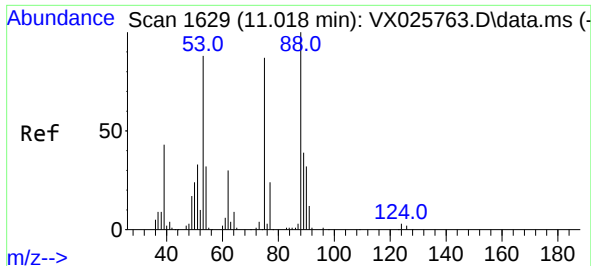
Tgt Ion:105 Resp: 9108
Ion Ratio Lower Upper
105 100
120 28.6 13.6 40.7



#76
1,2,3-Trichloropropane
Concen: 22.872 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025857.D
Acq: 16 Dec 2021 15:54

Tgt Ion: 75 Resp: 50222
Ion Ratio Lower Upper
75 100
77 1.1 19.0 57.0#

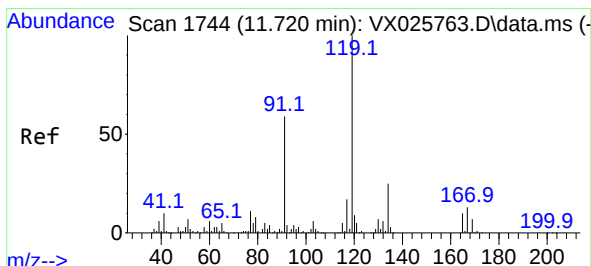
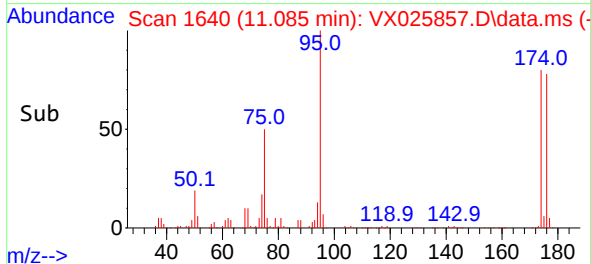
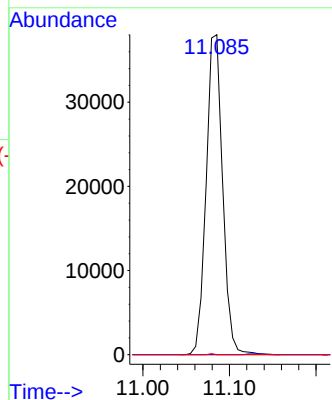
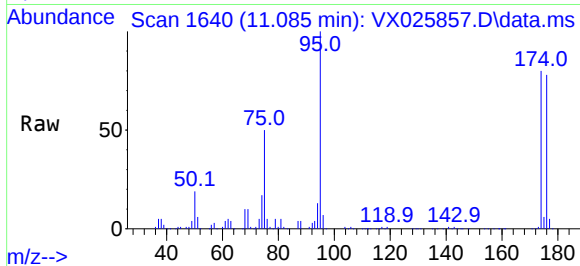




#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.909 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX025857.D
 Acq: 16 Dec 2021 15:54

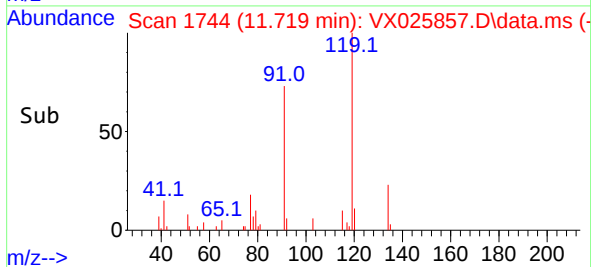
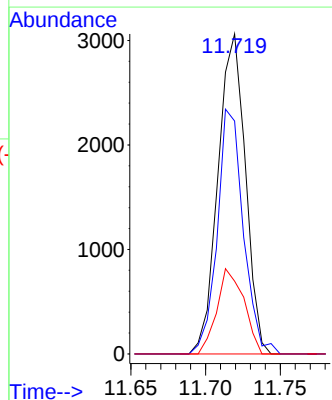
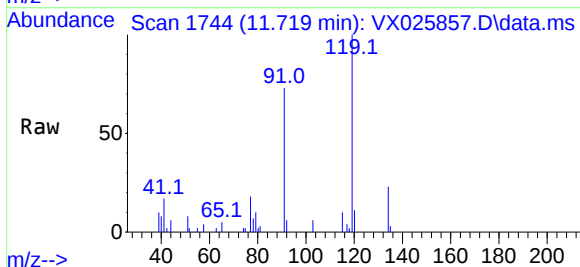
Instrument :
 MSVOA_X
 ClientSampleId :

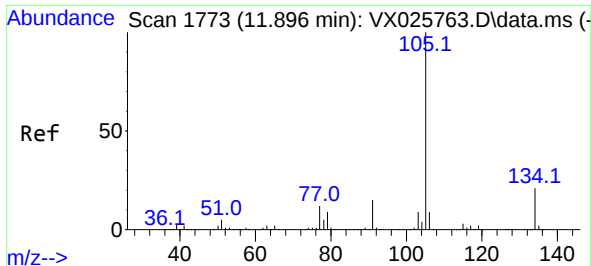
Tgt Ion: 75 Resp: 50222
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.1 38.3 57.5#



#83
 tert-Butylbenzene
 Concen: 0.690 ug/l
 RT: 11.719 min Scan# 1744
 Delta R.T. -0.000 min
 Lab File: VX025857.D
 Acq: 16 Dec 2021 15:54

Tgt Ion: 119 Resp: 3901
 Ion Ratio Lower Upper
 119 100
 91 72.8 28.7 86.1
 134 26.2 11.9 35.9

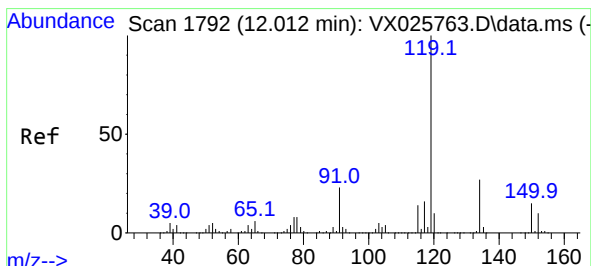
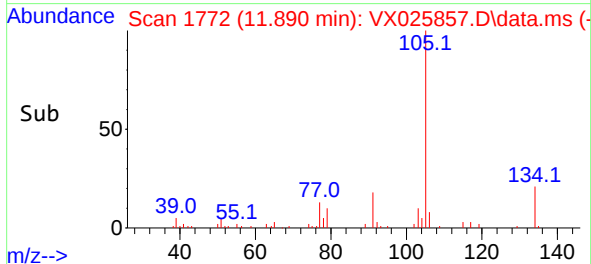
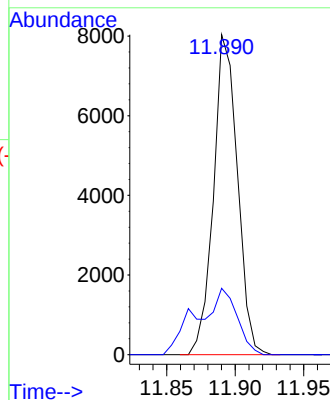
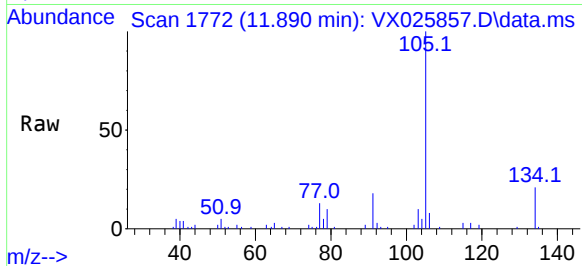




#85
 sec-Butylbenzene
 Concen: 1.432 ug/l
 RT: 11.890 min Scan# 1181
 Delta R.T. -0.006 min
 Lab File: VX025857.D
 Acq: 16 Dec 2021 15:54

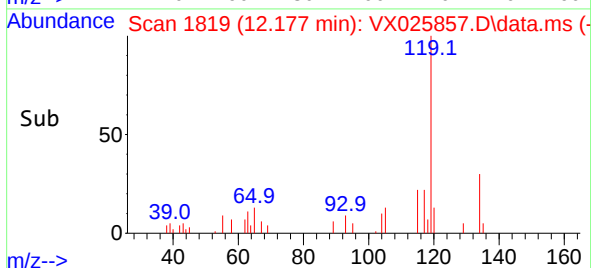
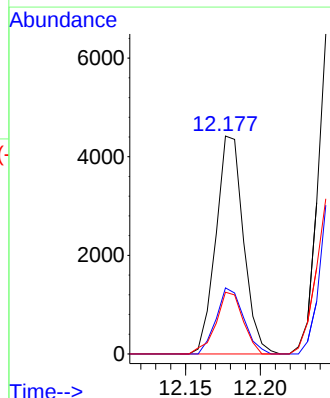
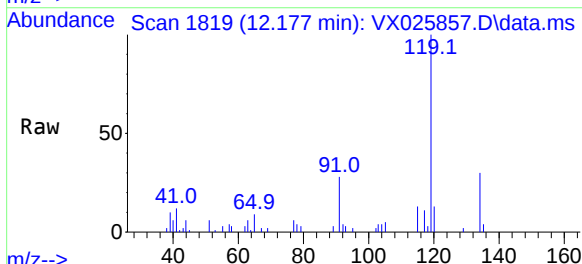
Instrument :
 MSVOA_X
 ClientSampleId :

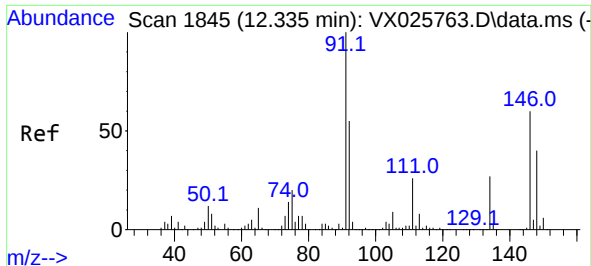
Tgt Ion:105 Resp: 9731
 Ion Ratio Lower Upper
 105 100
 134 34.8 10.4 31.1#



#86
 p-Isopropyltoluene
 Concen: 0.993 ug/l
 RT: 12.177 min Scan# 1819
 Delta R.T. 0.165 min
 Lab File: VX025857.D
 Acq: 16 Dec 2021 15:54

Tgt Ion:119 Resp: 5669
 Ion Ratio Lower Upper
 119 100
 134 30.0 13.2 39.6
 91 27.8 11.9 35.9

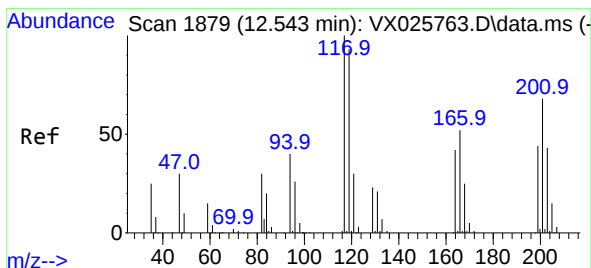
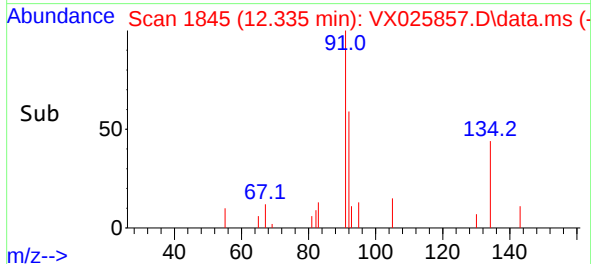
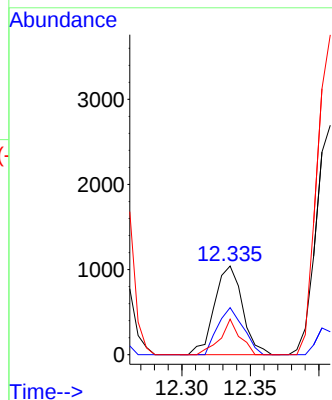
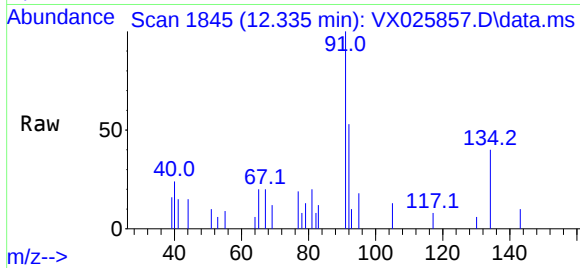




#89
n-Butylbenzene
Concen: 0.310 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX025857.D
Acq: 16 Dec 2021 15:54

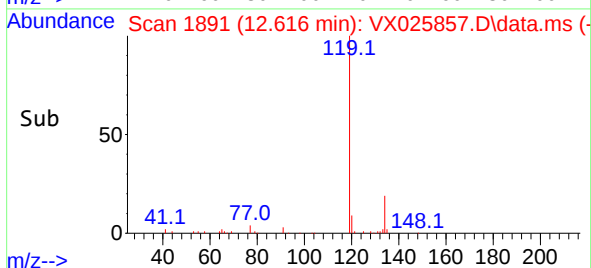
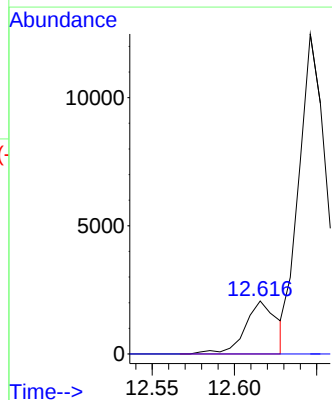
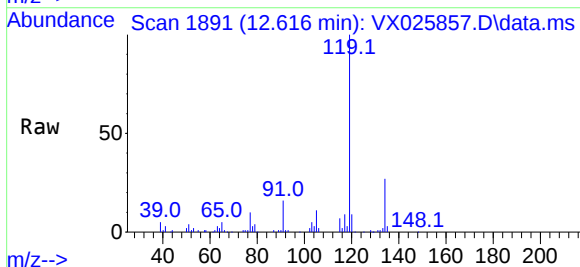
Instrument :
MSVOA_X
ClientSampleId :

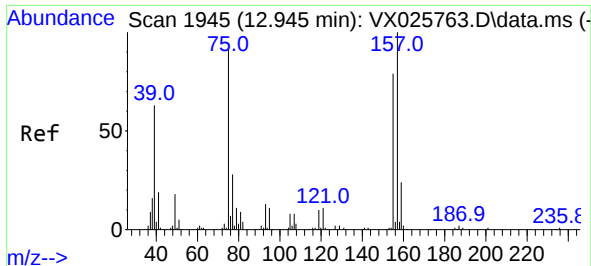
Tgt Ion: 91 Resp: 1477
Ion Ratio Lower Upper
91 100
92 48.3 27.3 81.8
134 28.4 13.5 40.4



#90
Hexachloroethane
Concen: 2.466 ug/l
RT: 12.616 min Scan# 1891
Delta R.T. 0.073 min
Lab File: VX025857.D
Acq: 16 Dec 2021 15:54

Tgt Ion: 117 Resp: 2766
Ion Ratio Lower Upper
117 100
201 0.0 35.4 106.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.815 ug/l

RT: 12.920 min Scan# 1945

Delta R.T. -0.024 min

Lab File: VX025857.D

Acq: 16 Dec 2021 15:54

Instrument :

MSVOA_X

ClientSampleId :

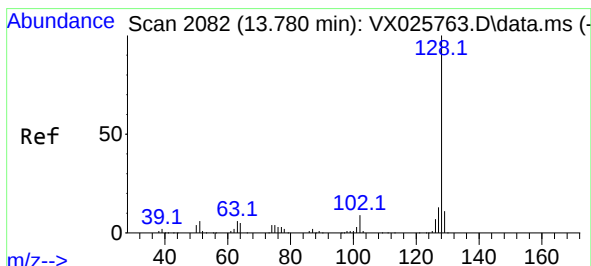
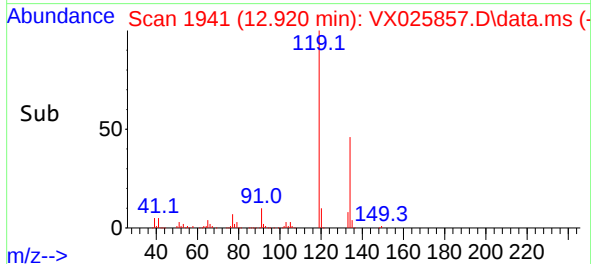
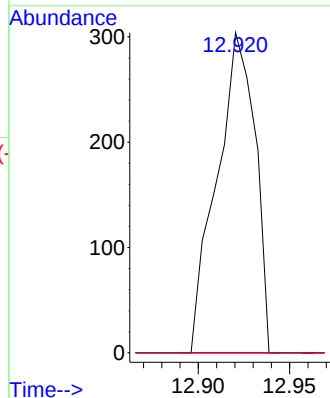
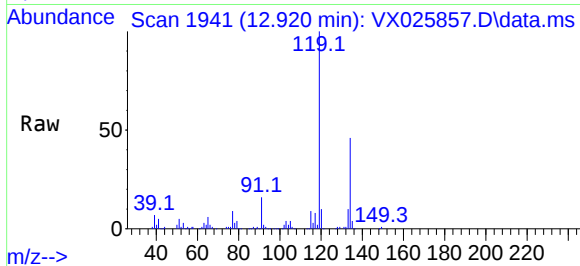
Tgt Ion: 75 Resp: 444

Ion Ratio Lower Upper

75 100

155 0.0 44.0 131.8#

157 0.0 55.5 166.5#



#95

Naphthalene

Concen: 2.567 ug/l

RT: 13.792 min Scan# 2084

Delta R.T. 0.012 min

Lab File: VX025857.D

Acq: 16 Dec 2021 15:54

Tgt Ion: 128 Resp: 1067

Ion Ratio Lower Upper

128 100

127 23.5 10.3 15.5#

129 88.8 8.8 13.2#

