

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025842.D
 Acq On : 16 Dec 2021 03:12
 Operator : JC/MD
 Sample : M5084-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 16 07:35:43 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)

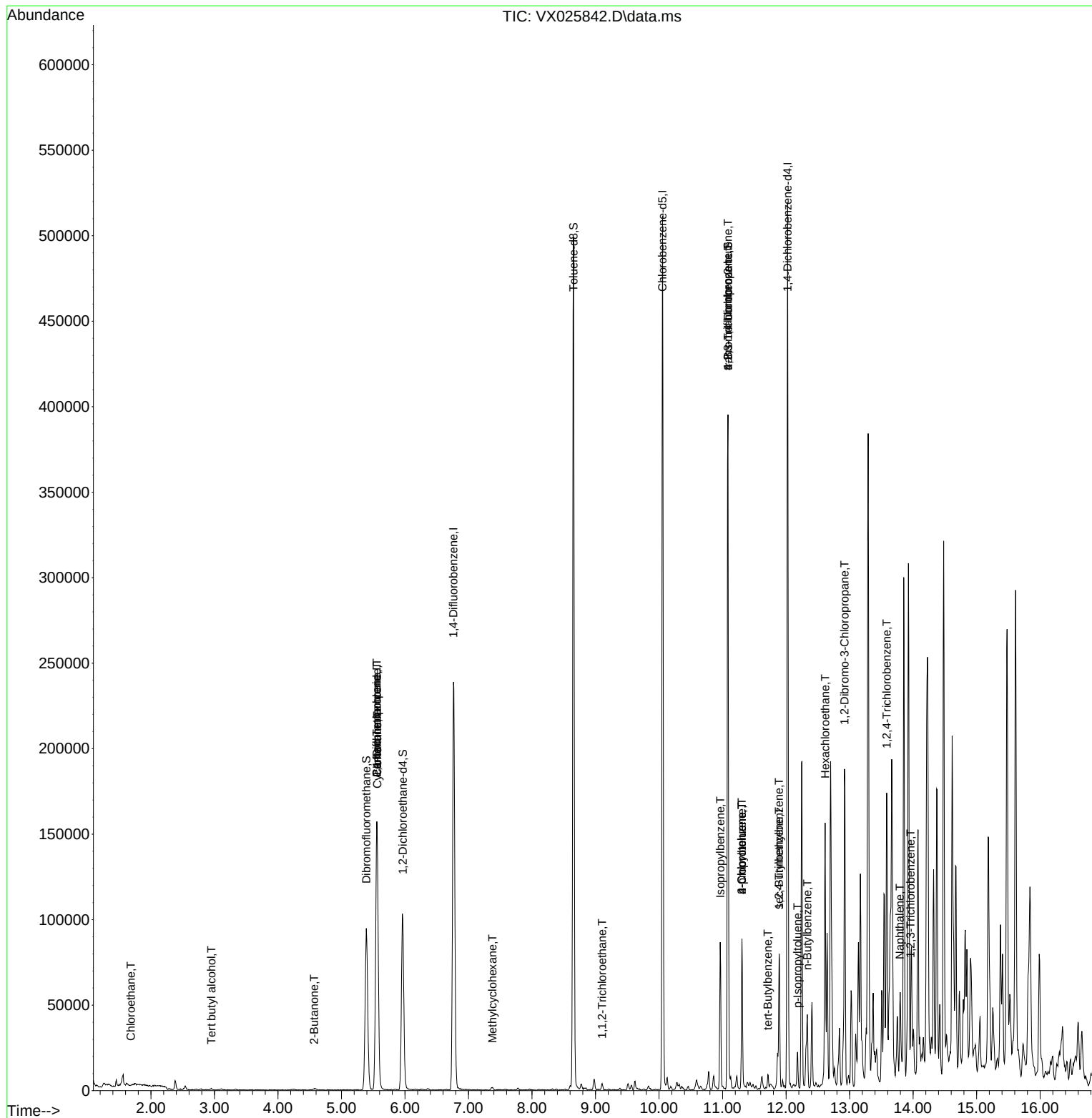
Internal Standards						
1) Pentafluorobenzene	5.556	168	148449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	250685	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	224679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	95225	44.583	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.160%		
35) Dibromofluoromethane	5.391	113	79211	45.307	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.620%		
50) Toluene-d8	8.653	98	292412	45.905	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.800%#		
62) 4-Bromofluorobenzene	11.085	95	103774	42.887	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.780%		
Target Compounds					Qvalue	
6) Chloroethane	1.685	64	344	0.258	ug/l #	42
11) Tert butyl alcohol	2.953	59	450	1.050	ug/l #	73
16) Acetone	2.380	43	5381	Below Cal	#	89
20) Methylene Chloride	2.788	84	60	Below Cal	#	45
25) 2-Butanone	4.568	43	1120	0.780	ug/l #	81
31) Cyclohexane	5.562	56	3451	1.329	ug/l #	23
36) 1,1-Dichloropropene	5.556	75	11864	5.004	ug/l #	50
38) Carbon Tetrachloride	5.556	117	15407	5.585	ug/l #	16
39) Methylcyclohexane	7.379	83	553	0.208	ug/l #	80
55) 1,1,2-Trichloroethane	9.104	97	1281	0.663	ug/l #	18
73) Isopropylbenzene	10.963	105	44103	5.981	ug/l	100
76) 1,2,3-Trichloropropane	11.085	75	52441	22.528	ug/l #	39
78) n-propylbenzene	11.305	91	51923	6.225	ug/l	97
79) 2-Chlorotoluene	11.305	91	51923	9.790	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	52441	69.842	ug/l #	10
82) 4-Chlorotoluene	11.305	91	51923	8.742	ug/l #	44
83) tert-Butylbenzene	11.713	119	3333	0.556	ug/l	94
84) 1,2,4-Trimethylbenzene	11.890	105	42032	6.880	ug/l #	31
85) sec-Butylbenzene	11.890	105	42032	5.834	ug/l	91
86) p-Isopropyltoluene	12.183	119	9186	1.518	ug/l	97
89) n-Butylbenzene	12.335	91	17436	3.454	ug/l	91
90) Hexachloroethane	12.615	117	6905	5.806	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	12.920	75	589	1.020	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.585	180	94	3.414	ug/l #	1
95) Naphthalene	13.792	128	2052	2.693	ug/l #	15
96) 1,2,3-Trichlorobenzene	13.963	180	48	3.016	ug/l #	1

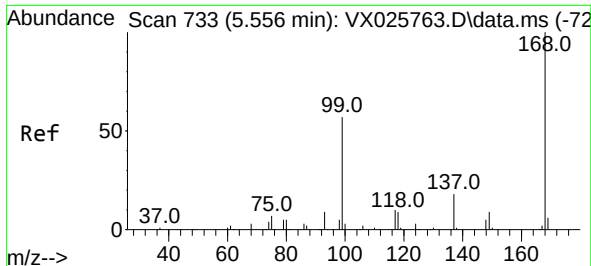
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :

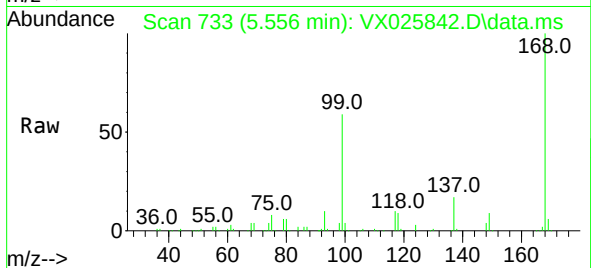
Quant Time: Dec 16 07:35:43 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
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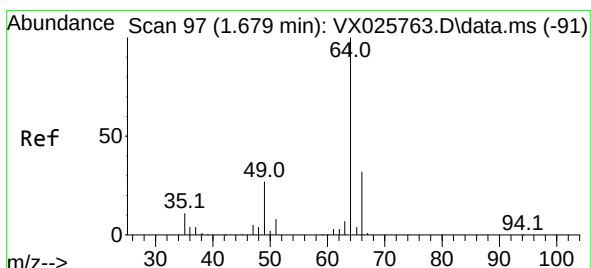
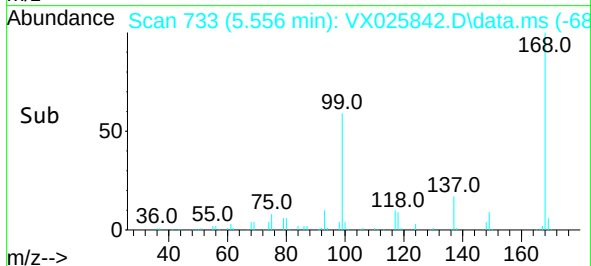
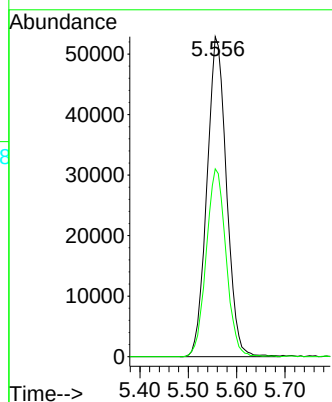


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025842.D
Acq: 16 Dec 2021 03:12

Instrument :
MSVOA_X
ClientSampleId :

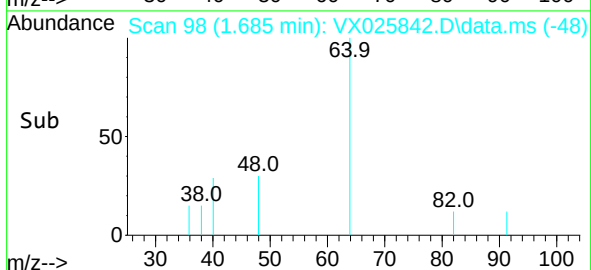
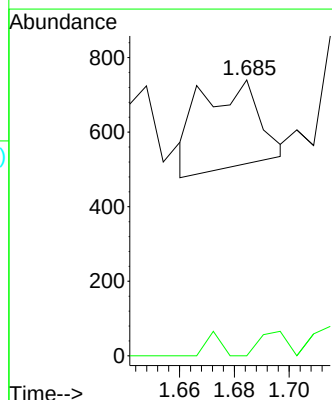
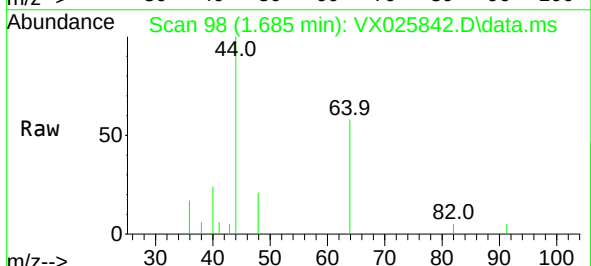


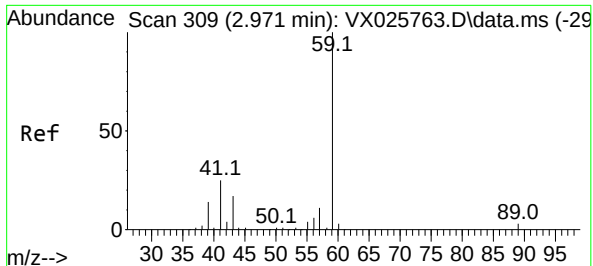
Tgt Ion:168 Resp: 148449
Ion Ratio Lower Upper
168 100
99 58.7 45.8 68.8



#6
Chloroethane
Concen: 0.258 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX025842.D
Acq: 16 Dec 2021 03:12

Tgt Ion: 64 Resp: 344
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 1.050 ug/l

RT: 2.953 min Scan# 309

Delta R.T. -0.018 min

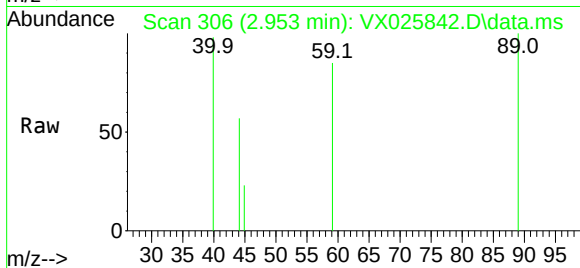
Lab File: VX025842.D

Acq: 16 Dec 2021 03:12

Instrument :

MSVOA_X

ClientSampleId :

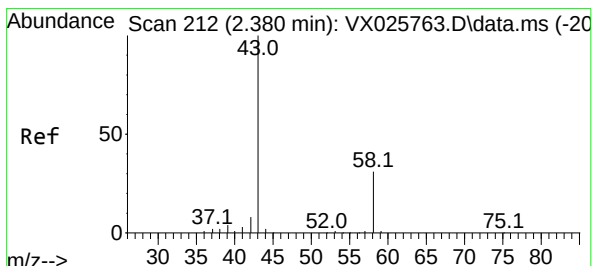
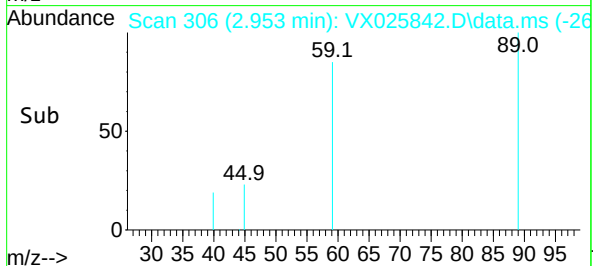
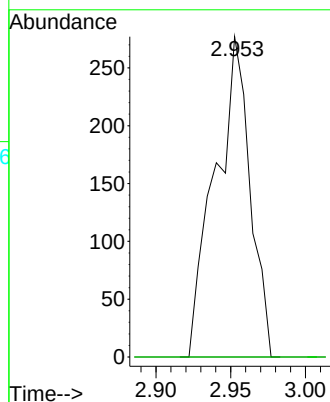


Tgt Ion: 59 Resp: 450

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: VX025842.D

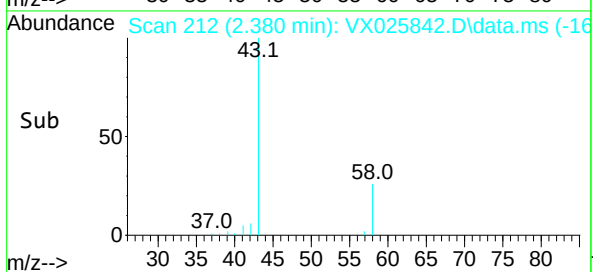
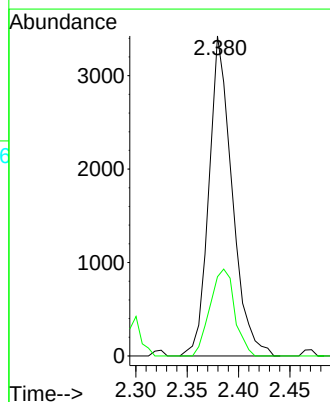
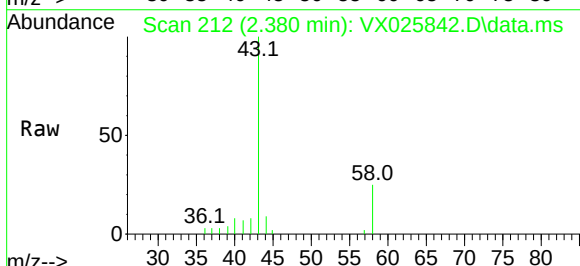
Acq: 16 Dec 2021 03:12

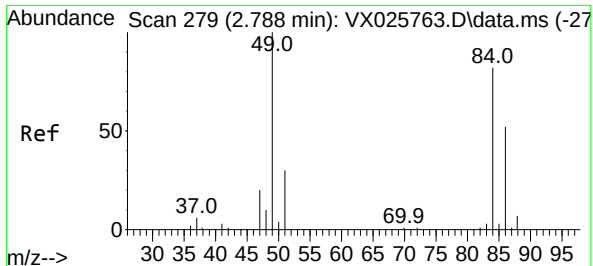
Tgt Ion: 43 Resp: 5381

Ion Ratio Lower Upper

43 100

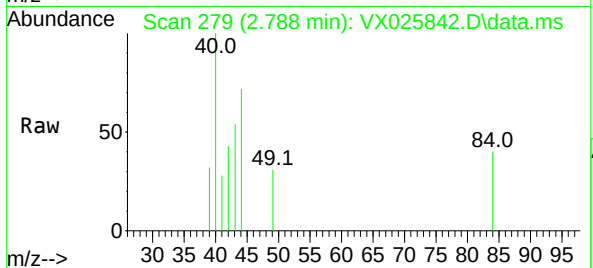
58 24.8 24.8 37.2#



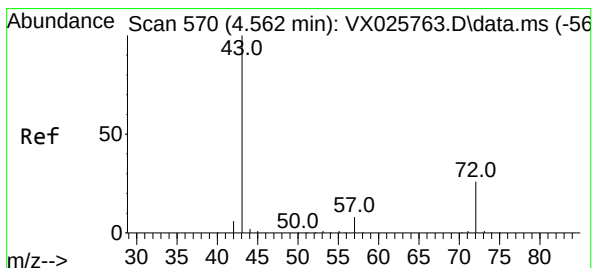
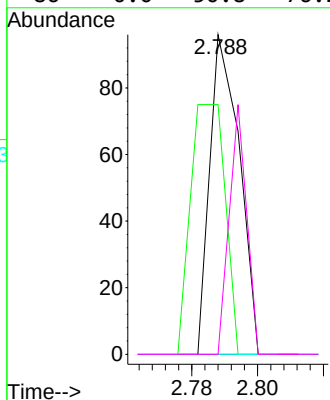


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX025842.D
Acq: 16 Dec 2021 03:12

Instrument :
MSVOA_X
ClientSampleId :

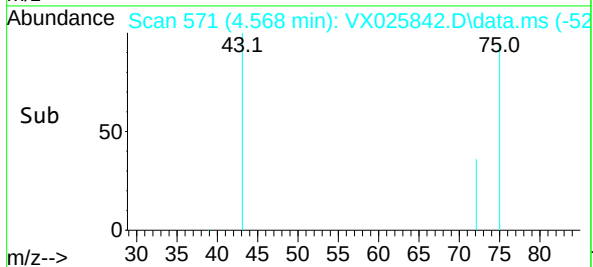
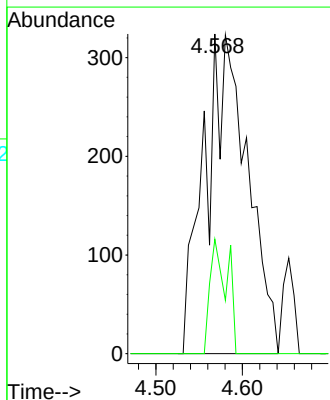
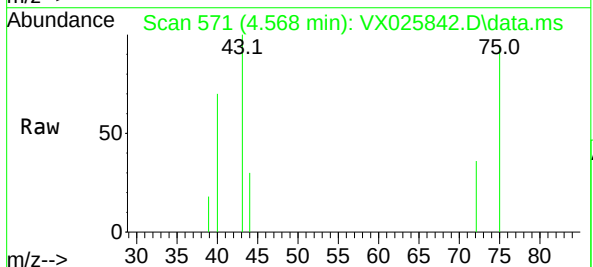


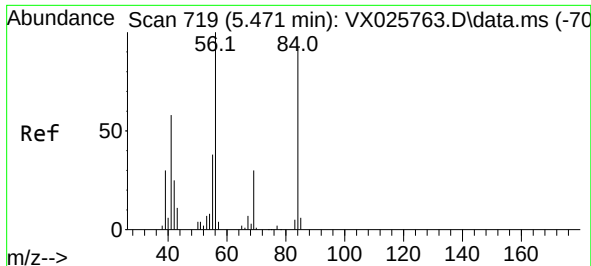
Tgt Ion: 84	Resp: 60
Ion Ratio	Lower Upper
84 100	
49 78.1	97.1 145.7#
51 0.0	29.3 43.9#
86 0.0	50.8 76.2#



#25
2-Butanone
Concen: 0.780 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX025842.D
Acq: 16 Dec 2021 03:12

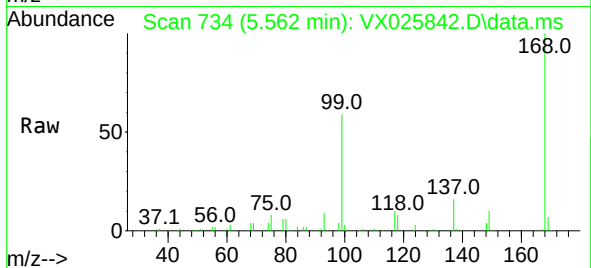
Tgt Ion: 43	Resp: 1120		
Ion Ratio	Lower	Upper	
43 100			
72 35.8	21.0	31.4#	



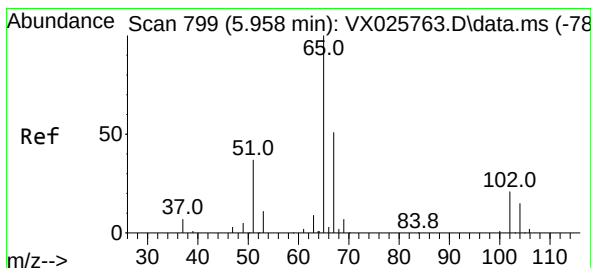
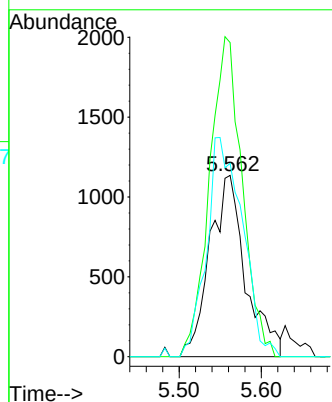
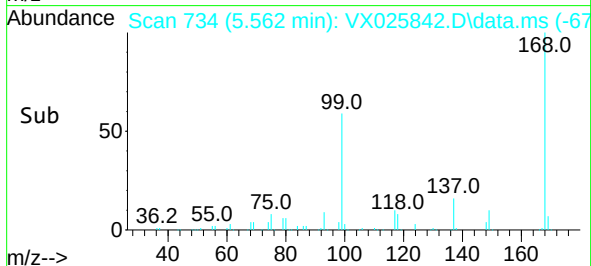


#31
Cyclohexane
Concen: 1.329 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX025842.D
Acq: 16 Dec 2021 03:12

Instrument :
MSVOA_X
ClientSampleId :

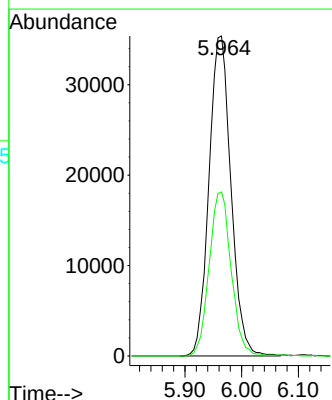
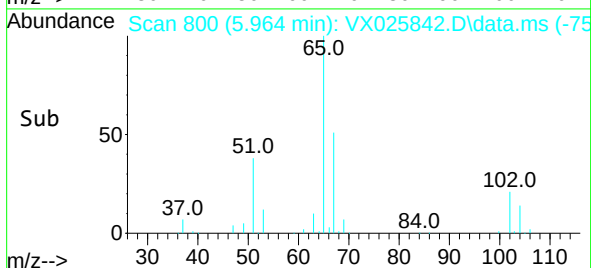
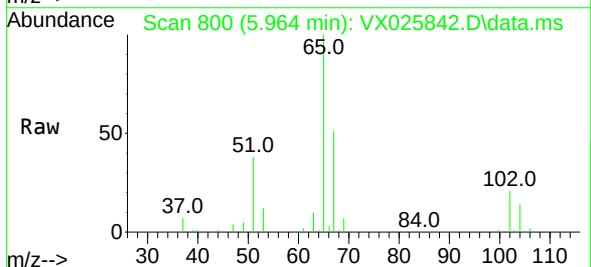


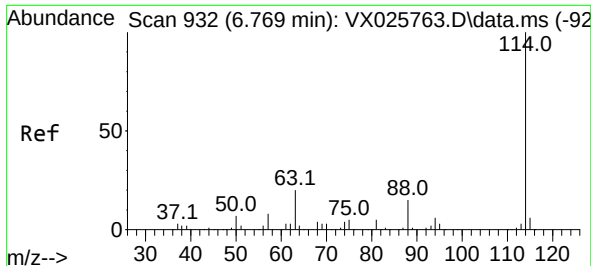
Tgt Ion: 56 Resp: 3451
Ion Ratio Lower Upper
56 100
69 173.3 23.9 35.9#
84 106.6 73.2 109.8



#33
1,2-Dichloroethane-d4
Concen: 44.583 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX025842.D
Acq: 16 Dec 2021 03:12

Tgt Ion: 65 Resp: 95225
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.4

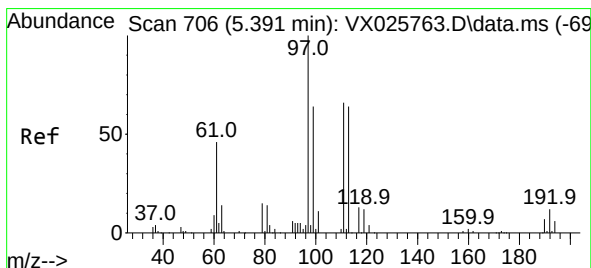
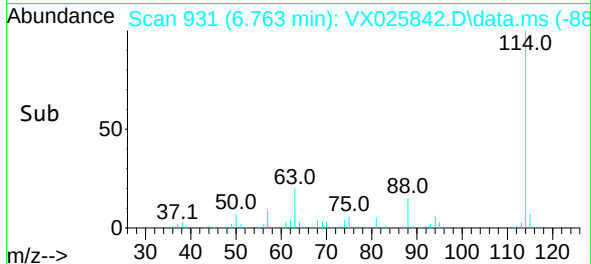
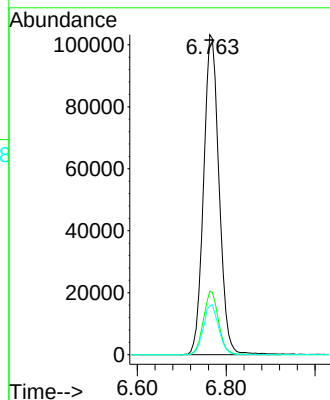
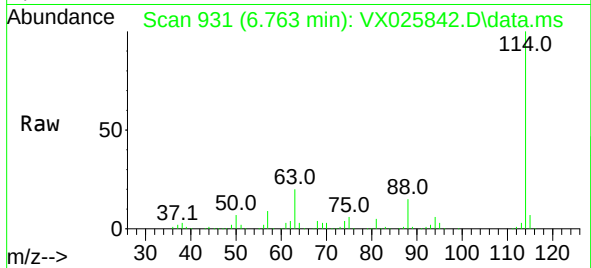




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX025842.D
Acq: 16 Dec 2021 03:12

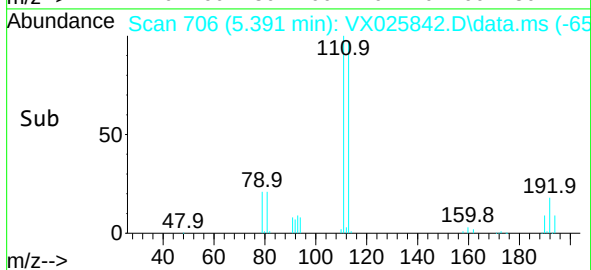
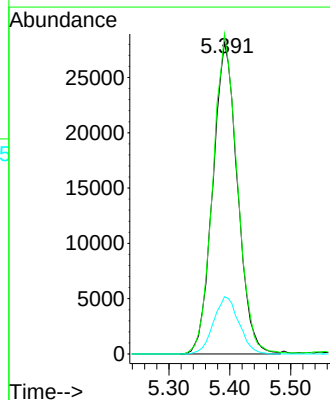
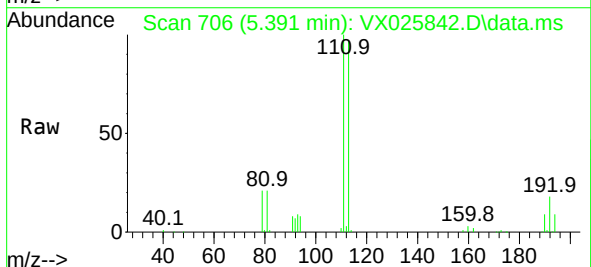
Instrument :
MSVOA_X
ClientSampleId :

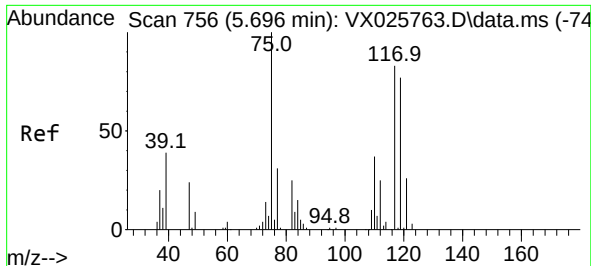
Tgt Ion:114 Resp: 250685
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.0
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 45.307 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025842.D
Acq: 16 Dec 2021 03:12

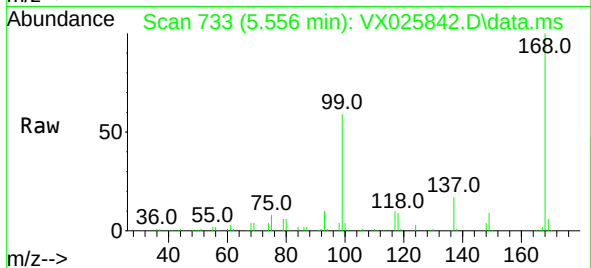
Tgt Ion:113 Resp: 79211
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.8
192 18.8 15.0 22.4



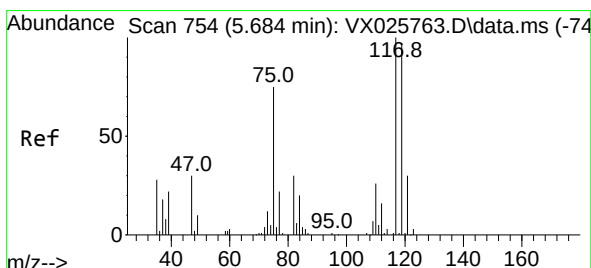
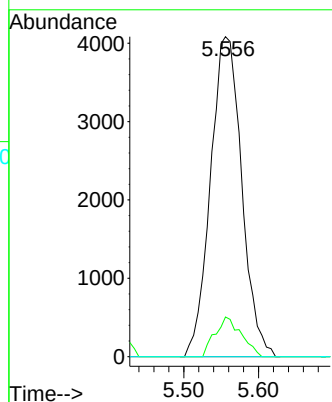
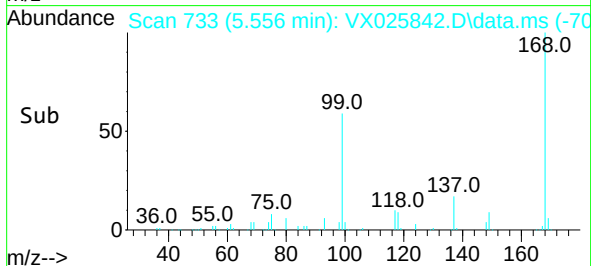


#36
1,1-Dichloropropene
Concen: 5.004 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX025842.D
Acq: 16 Dec 2021 03:12

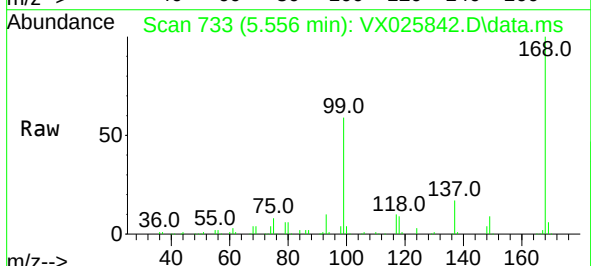
Instrument :
MSVOA_X
ClientSampleId :



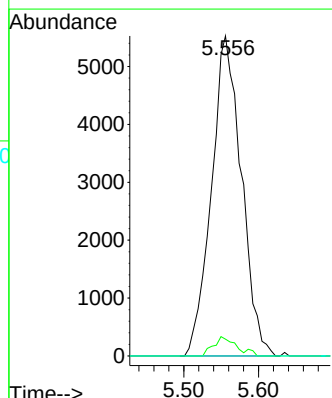
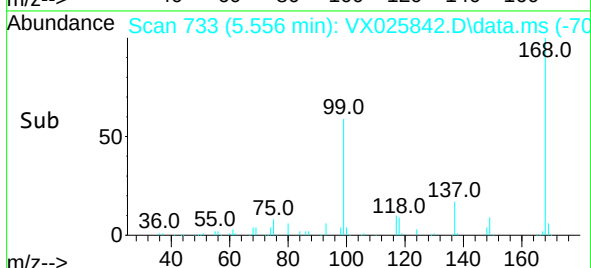
Tgt Ion: 75 Resp: 11864
Ion Ratio Lower Upper
75 100
110 10.4 18.2 54.6#
77 0.0 24.7 37.1#

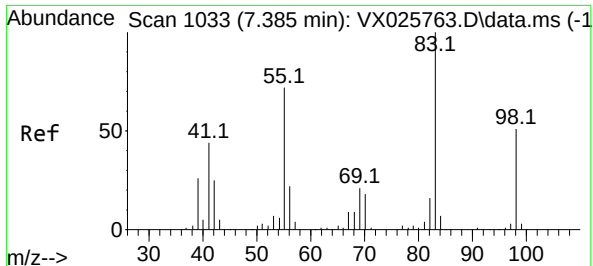


#38
Carbon Tetrachloride
Concen: 5.585 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX025842.D
Acq: 16 Dec 2021 03:12



Tgt Ion: 117 Resp: 15407
Ion Ratio Lower Upper
117 100
119 5.2 77.2 115.8#
121 0.0 23.8 35.8#





#39

Methylcyclohexane

Concen: 0.208 ug/l

RT: 7.379 min Scan# 1033

Delta R.T. -0.006 min

Lab File: VX025842.D

Acq: 16 Dec 2021 03:12

Instrument :

MSVOA_X

ClientSampleId :

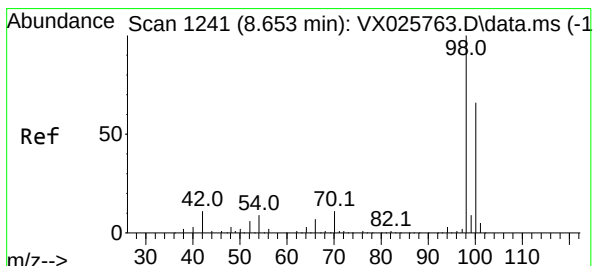
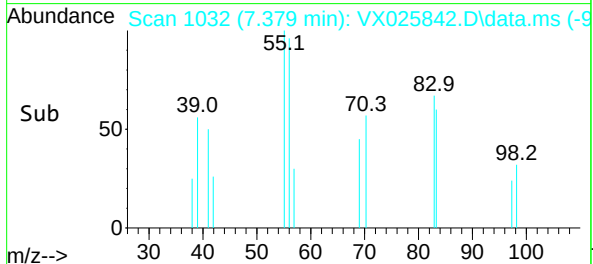
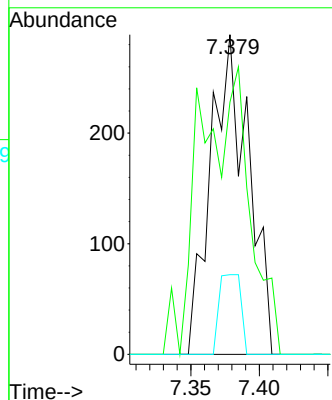
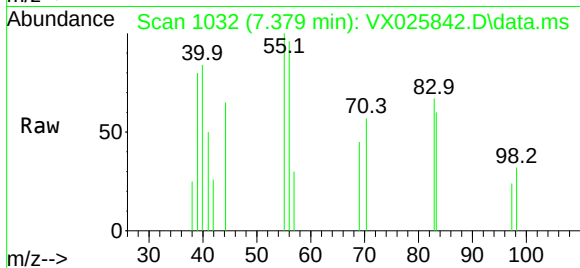
Tgt Ion: 83 Resp: 553

Ion Ratio Lower Upper

83 100

55 78.9 57.8 86.8

98 24.9 40.5 60.7#



#50

Toluene-d8

Concen: 45.905 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025842.D

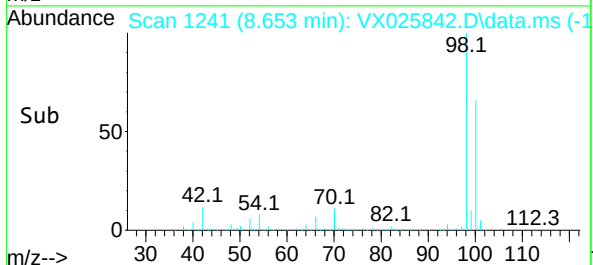
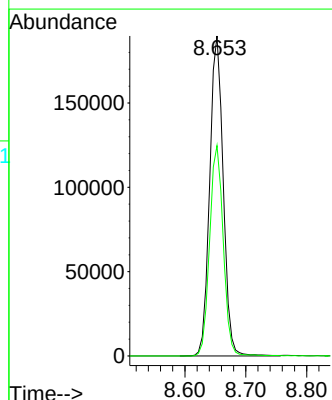
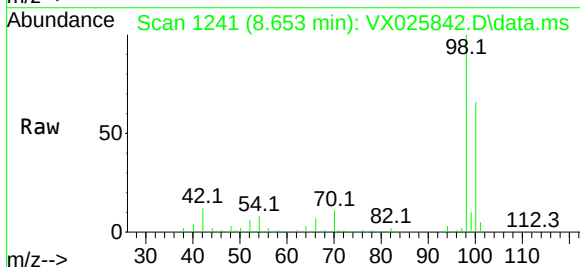
Acq: 16 Dec 2021 03:12

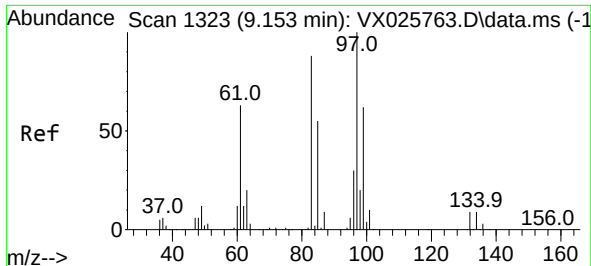
Tgt Ion: 98 Resp: 292412

Ion Ratio Lower Upper

98 100

100 66.1 52.6 78.8





#55

1,1,2-Trichloroethane

Concen: 0.663 ug/l

RT: 9.104 min Scan# 1

Delta R.T. -0.049 min

Lab File: VX025842.D

Acq: 16 Dec 2021 03:12

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 97 Resp: 1281

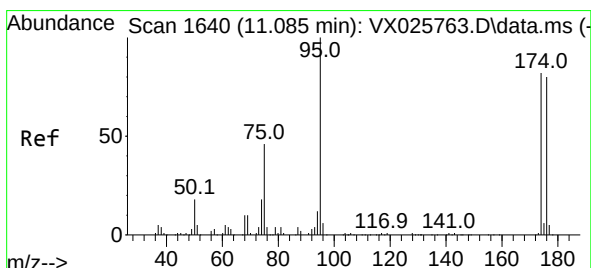
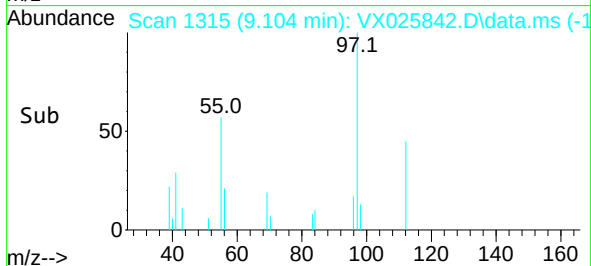
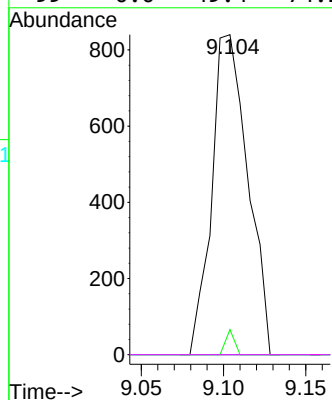
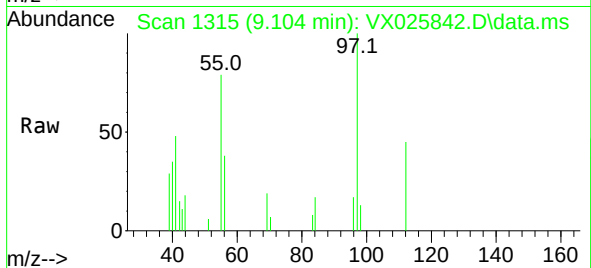
Ion Ratio Lower Upper

97 100

83 7.9 70.5 105.7#

85 0.0 43.8 65.6#

99 0.0 49.4 74.2#



#62

4-Bromofluorobenzene

Concen: 42.887 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX025842.D

Acq: 16 Dec 2021 03:12

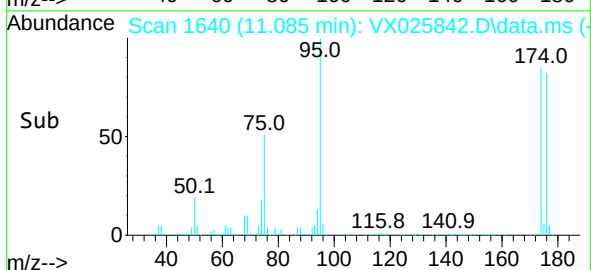
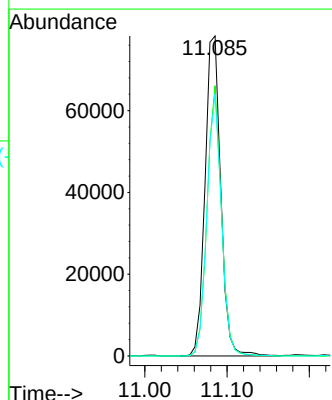
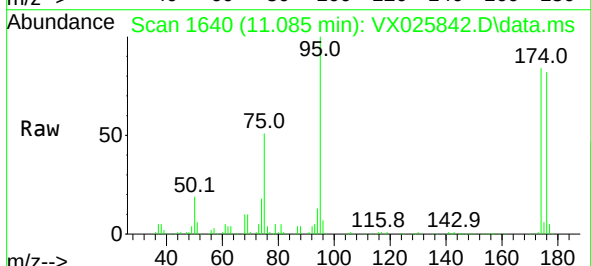
Tgt Ion: 95 Resp: 103774

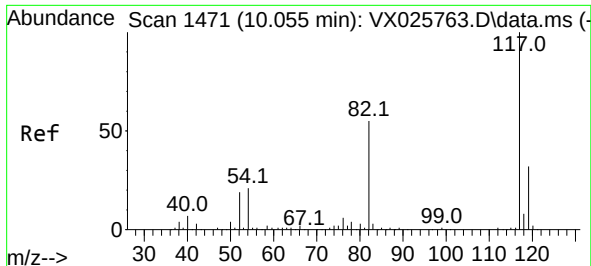
Ion Ratio Lower Upper

95 100

174 77.4 0.0 157.4

176 76.3 0.0 154.6

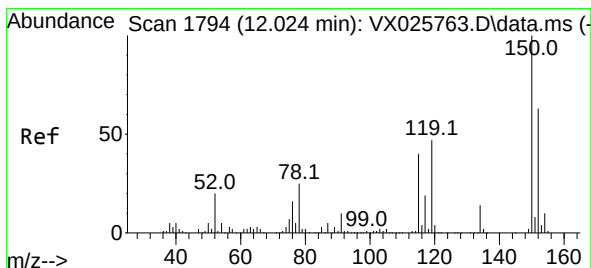
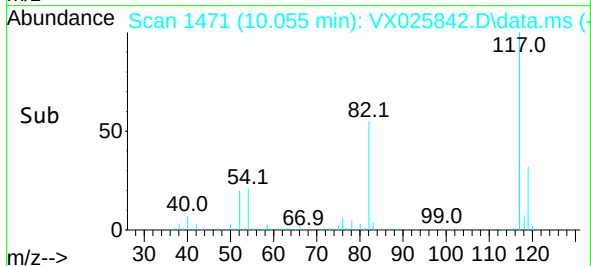
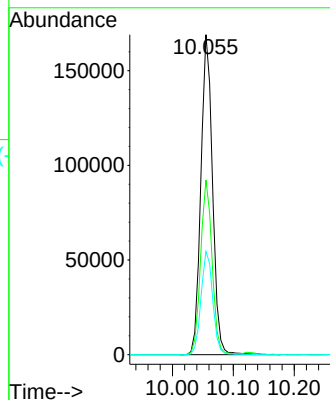
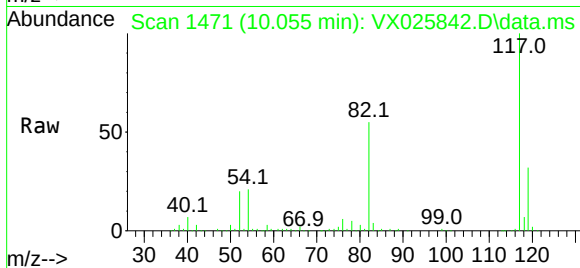




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025842.D
Acq: 16 Dec 2021 03:12

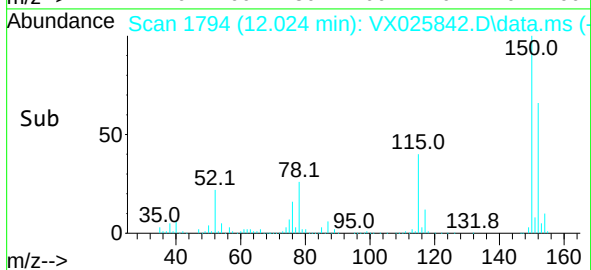
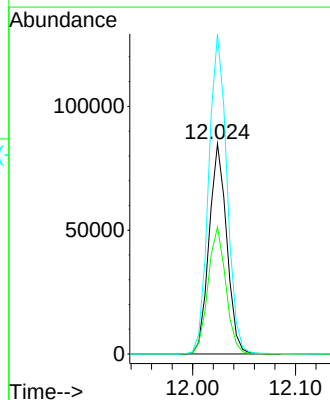
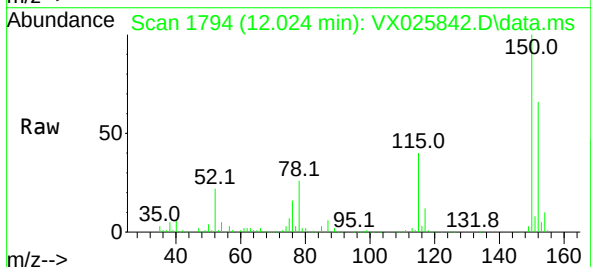
Instrument :
MSVOA_X
ClientSampleId :

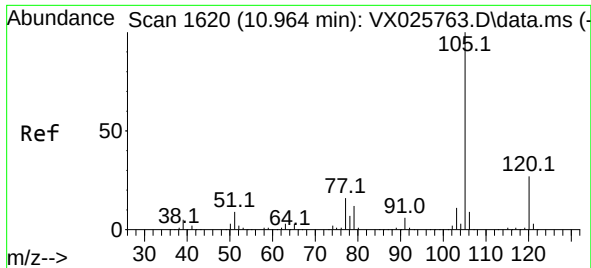
Tgt Ion:117 Resp: 224679
Ion Ratio Lower Upper
117 100
82 54.6 43.8 65.6
119 32.2 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025842.D
Acq: 16 Dec 2021 03:12

Tgt Ion:152 Resp: 101600
Ion Ratio Lower Upper
152 100
115 60.9 41.3 123.9
150 157.2 0.0 351.8

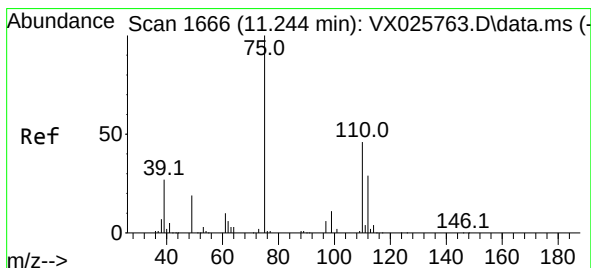
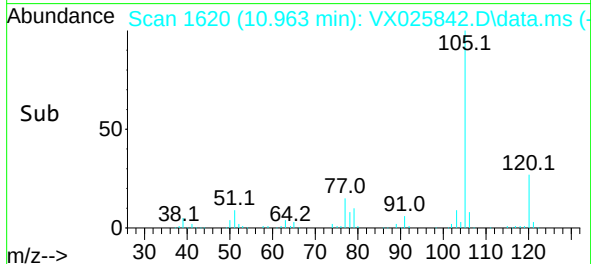
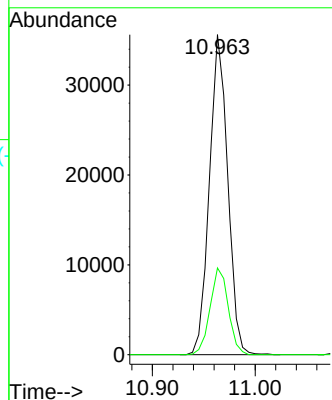
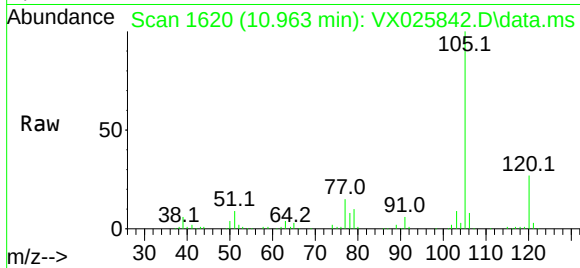




#73
Isopropylbenzene
Concen: 5.981 ug/l
RT: 10.963 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX025842.D
Acq: 16 Dec 2021 03:12

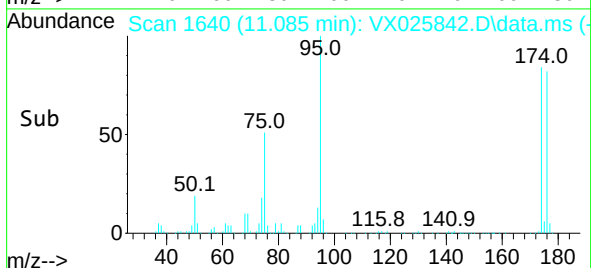
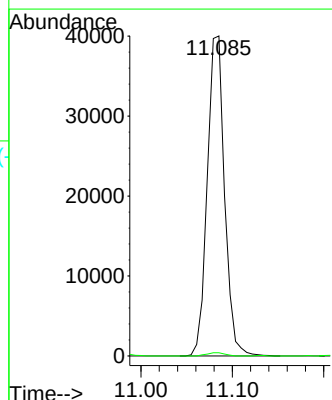
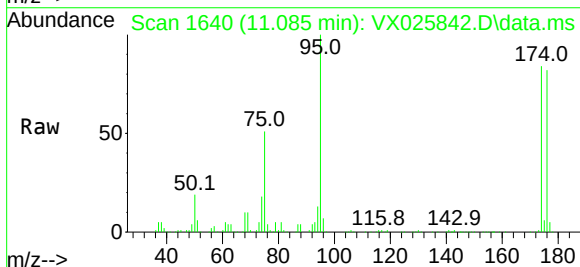
Instrument :
MSVOA_X
ClientSampleId :

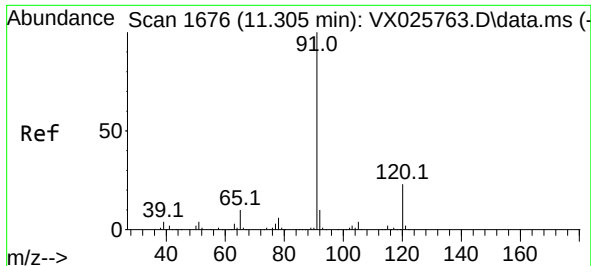
Tgt Ion:105 Resp: 44103
Ion Ratio Lower Upper
105 100
120 27.0 13.6 40.7



#76
1,2,3-Trichloropropane
Concen: 22.528 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025842.D
Acq: 16 Dec 2021 03:12

Tgt Ion: 75 Resp: 52441
Ion Ratio Lower Upper
75 100
77 1.1 19.0 57.0#

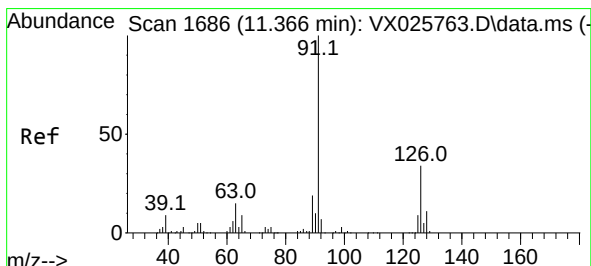
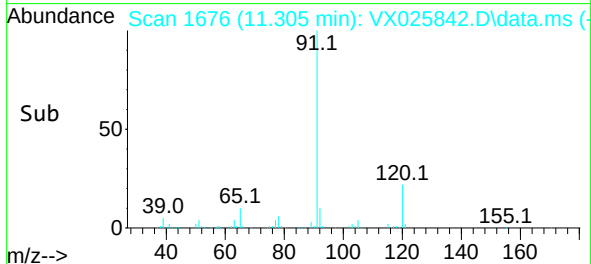
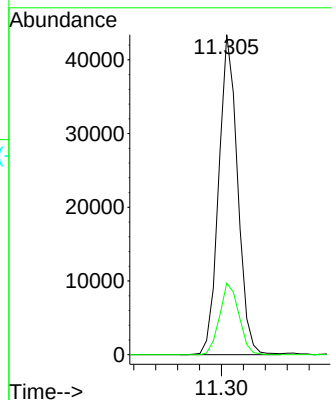
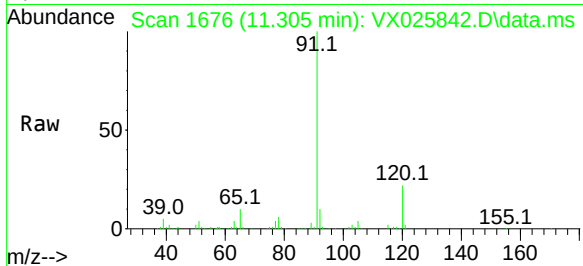




#78
n-propylbenzene
Concen: 6.225 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX025842.D
Acq: 16 Dec 2021 03:12

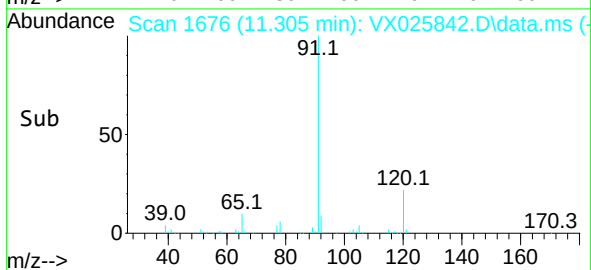
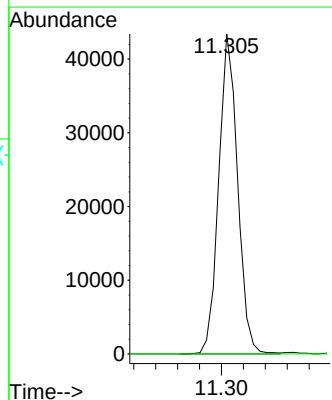
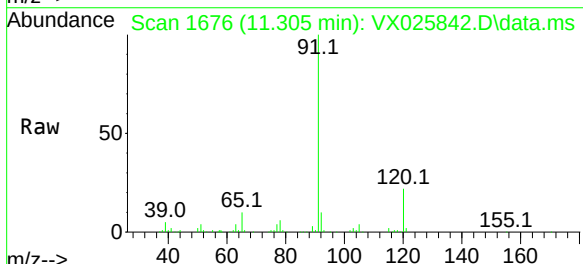
Instrument :
MSVOA_X
ClientSampleId :

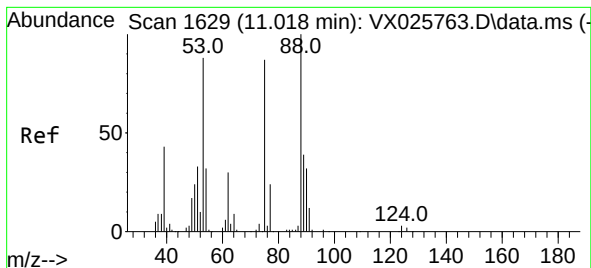
Tgt Ion: 91 Resp: 51923
Ion Ratio Lower Upper
91 100
120 22.9 12.0 36.1



#79
2-Chlorotoluene
Concen: 9.790 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.061 min
Lab File: VX025842.D
Acq: 16 Dec 2021 03:12

Tgt Ion: 91 Resp: 51923
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.3#

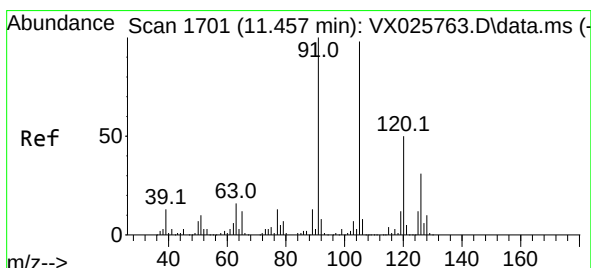
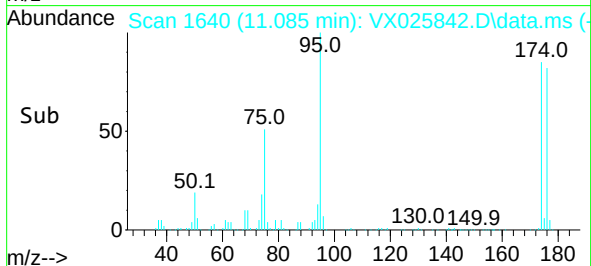
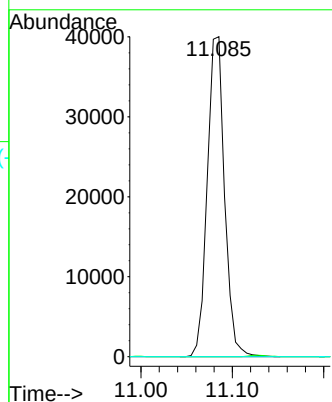
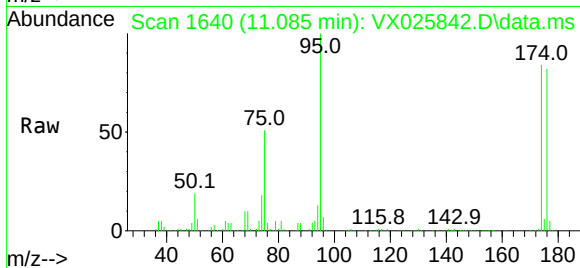




#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.842 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.067 min
 Lab File: VX025842.D
 Acq: 16 Dec 2021 03:12

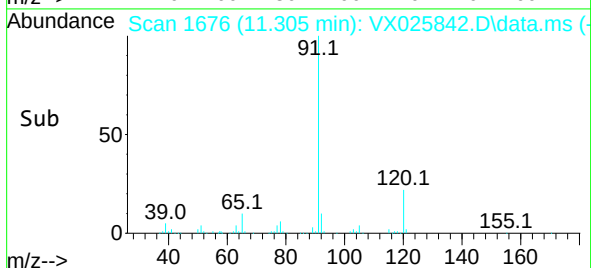
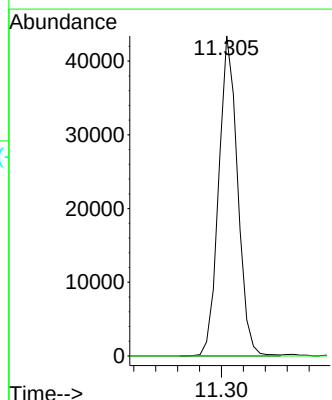
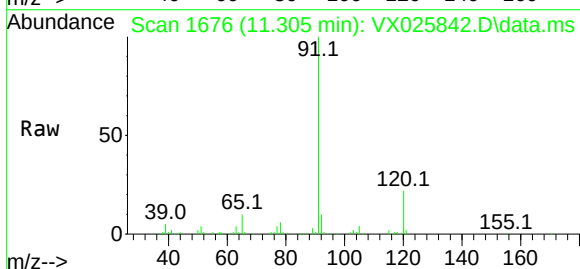
Instrument :
 MSVOA_X
 ClientSampleId :

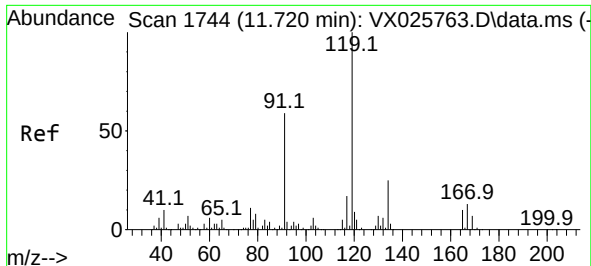
Tgt Ion: 75 Resp: 52441
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 38.3 57.5#



#82
 4-Chlorotoluene
 Concen: 8.742 ug/l
 RT: 11.305 min Scan# 1676
 Delta R.T. -0.153 min
 Lab File: VX025842.D
 Acq: 16 Dec 2021 03:12

Tgt Ion: 91 Resp: 51923
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.6 46.7#

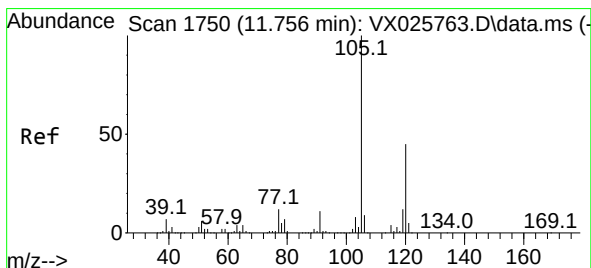
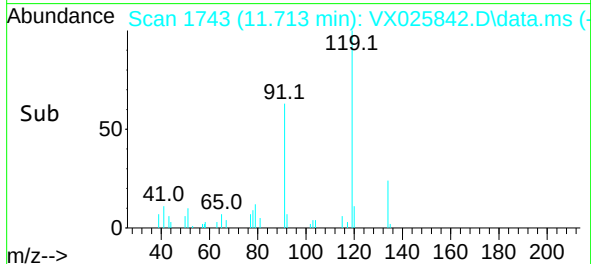
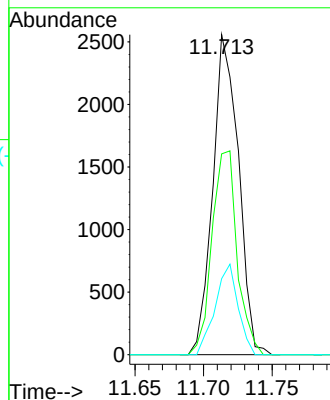
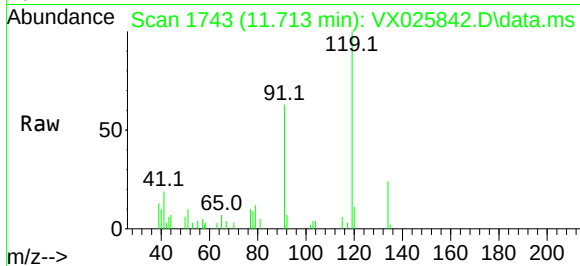




#83
tert-Butylbenzene
Concen: 0.556 ug/l
RT: 11.713 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX025842.D
Acq: 16 Dec 2021 03:12

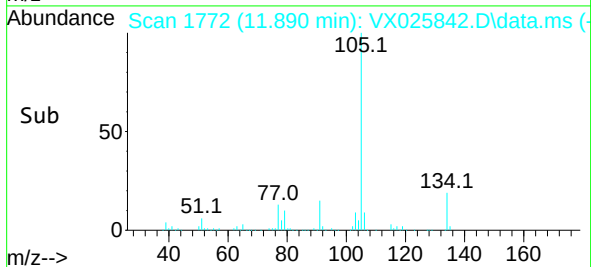
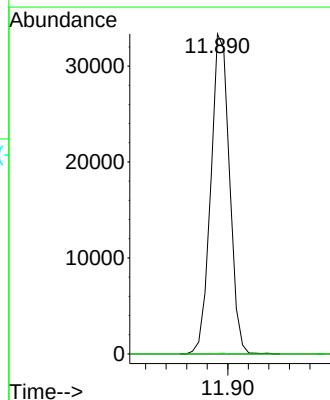
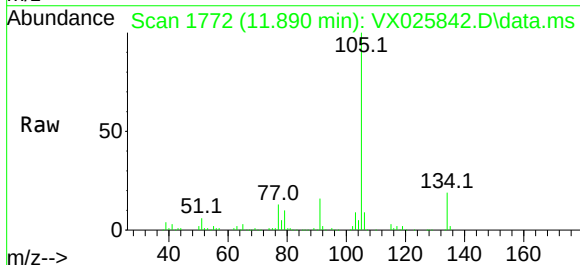
Instrument :
MSVOA_X
ClientSampleId :

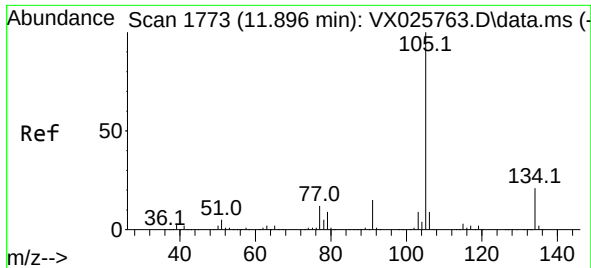
Tgt Ion:119 Resp: 3333
Ion Ratio Lower Upper
119 100
91 62.4 28.7 86.1
134 25.2 11.9 35.9



#84
1,2,4-Trimethylbenzene
Concen: 6.880 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.134 min
Lab File: VX025842.D
Acq: 16 Dec 2021 03:12

Tgt Ion:105 Resp: 42032
Ion Ratio Lower Upper
105 100
120 0.1 22.9 68.7#

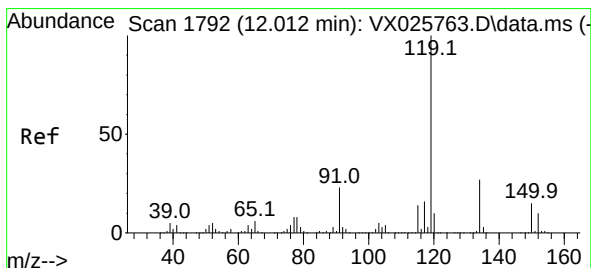
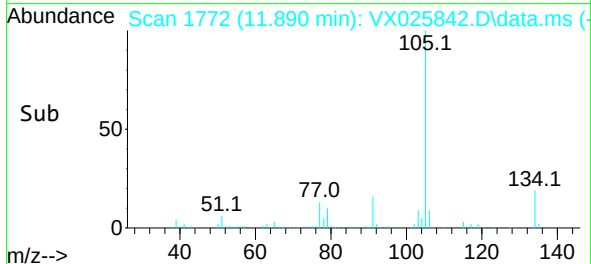
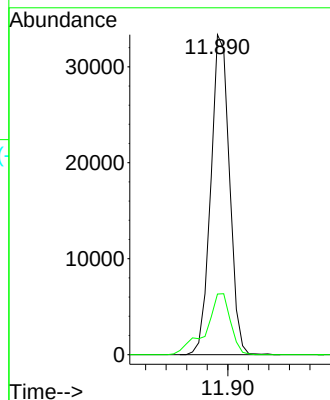
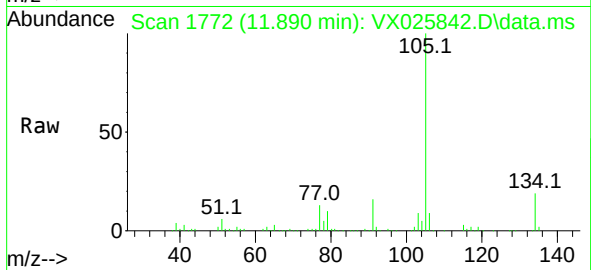




#85
 sec-Butylbenzene
 Concen: 5.834 ug/l
 RT: 11.890 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX025842.D
 Acq: 16 Dec 2021 03:12

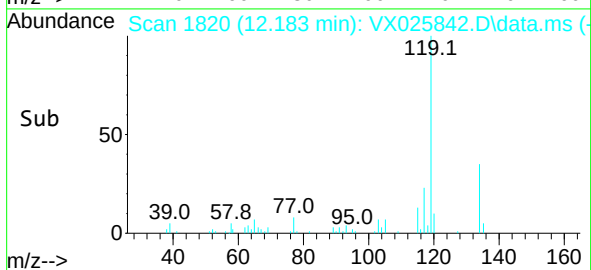
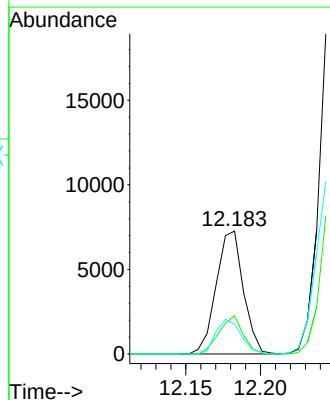
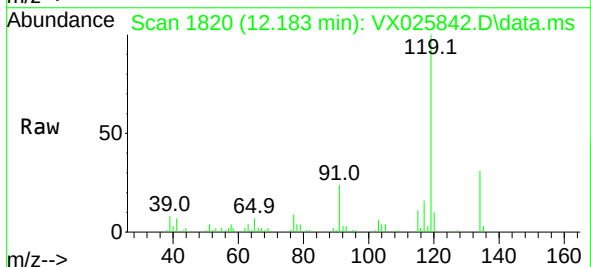
Instrument :
 MSVOA_X
 ClientSampleId :

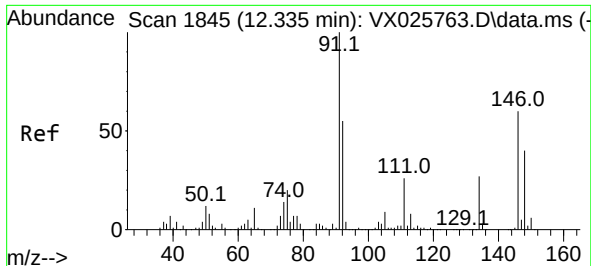
Tgt Ion:105 Resp: 42032
 Ion Ratio Lower Upper
 105 100
 134 25.1 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 1.518 ug/l
 RT: 12.183 min Scan# 1820
 Delta R.T. 0.170 min
 Lab File: VX025842.D
 Acq: 16 Dec 2021 03:12

Tgt Ion:119 Resp: 9186
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.2 39.6
 91 26.0 11.9 35.9





#89

n-Butylbenzene

Concen: 3.454 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX025842.D

Acq: 16 Dec 2021 03:12

Instrument :

MSVOA_X

ClientSampleId :

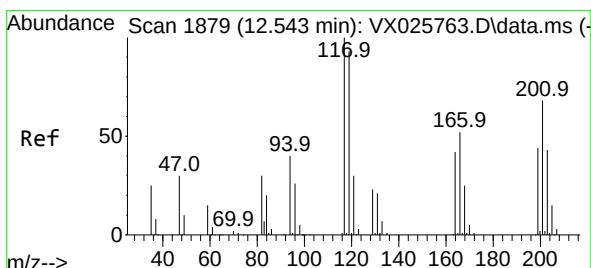
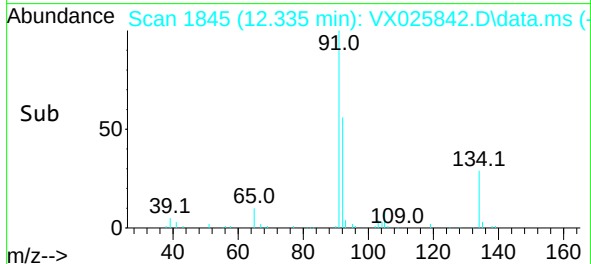
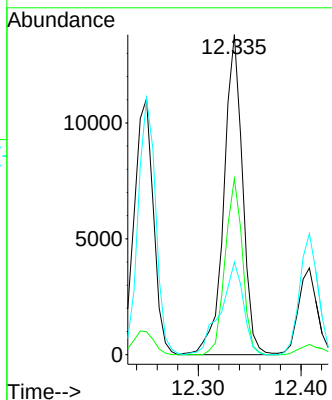
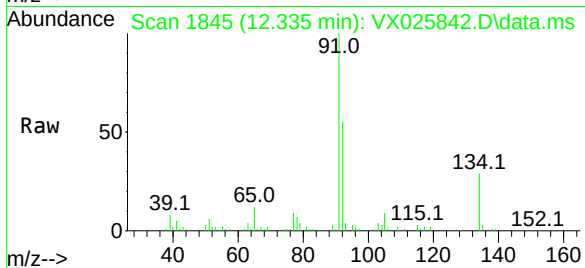
Tgt Ion: 91 Resp: 17436

Ion Ratio Lower Upper

91 100

92 50.8 27.3 81.8

134 35.2 13.5 40.4



#90

Hexachloroethane

Concen: 5.806 ug/l

RT: 12.615 min Scan# 1891

Delta R.T. 0.073 min

Lab File: VX025842.D

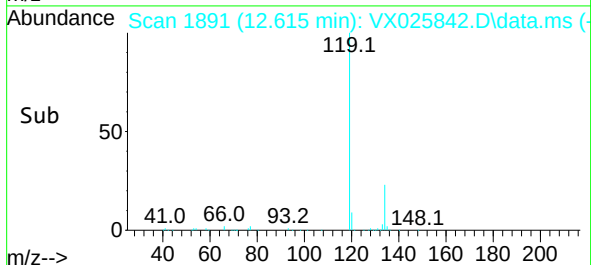
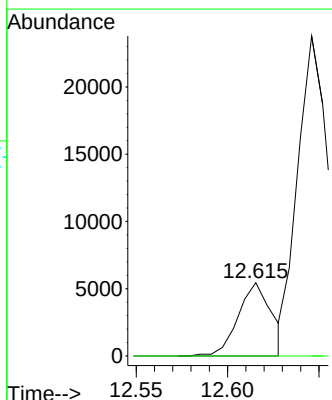
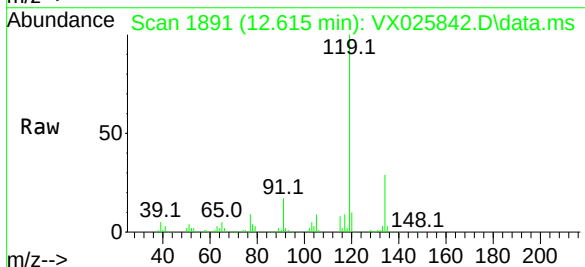
Acq: 16 Dec 2021 03:12

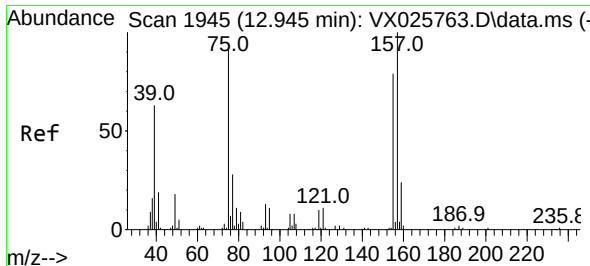
Tgt Ion: 117 Resp: 6905

Ion Ratio Lower Upper

117 100

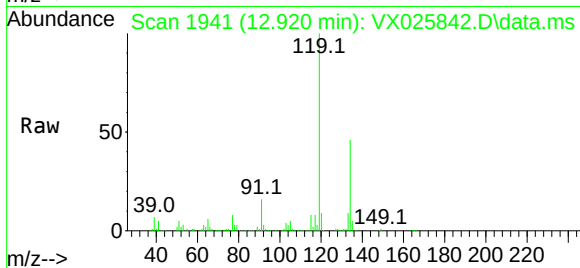
201 0.0 35.4 106.3#



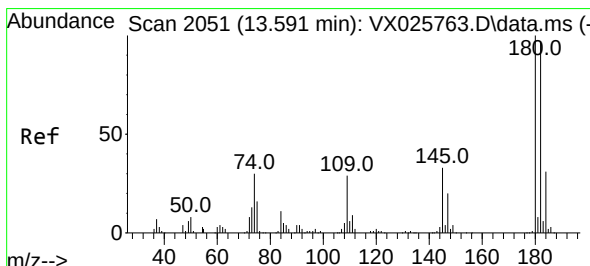
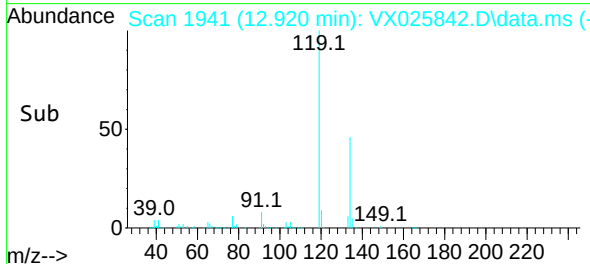
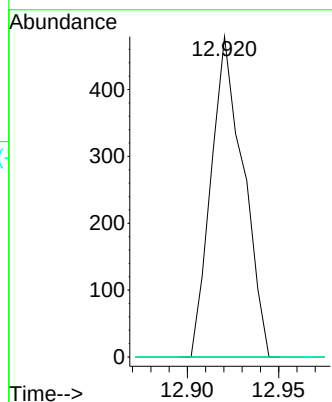


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.020 ug/l
 RT: 12.920 min Scan# 1941
 Delta R.T. -0.025 min
 Lab File: VX025842.D
 Acq: 16 Dec 2021 03:12

Instrument :
 MSVOA_X
 ClientSampleId :

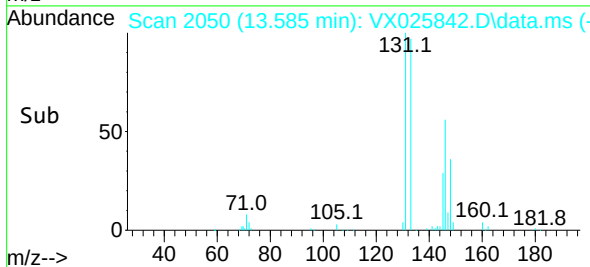
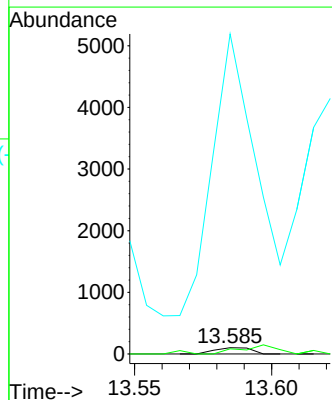
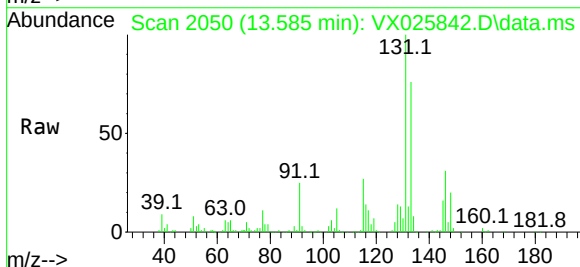


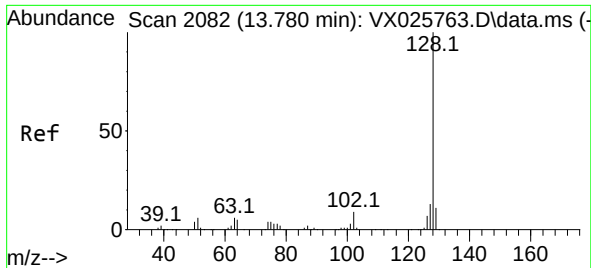
Tgt Ion: 75 Resp: 589
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.0 131.8#
 157 0.0 55.5 166.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.414 ug/l
 RT: 13.585 min Scan# 2050
 Delta R.T. -0.006 min
 Lab File: VX025842.D
 Acq: 16 Dec 2021 03:12

Tgt Ion: 180 Resp: 94
 Ion Ratio Lower Upper
 180 100
 182 163.8 47.2 141.6#
 145 6112.8 16.3 48.9#

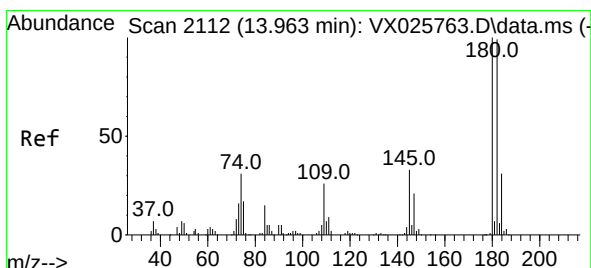
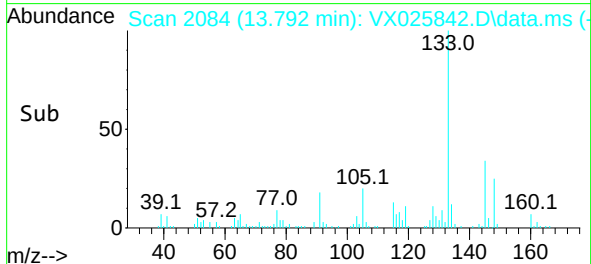
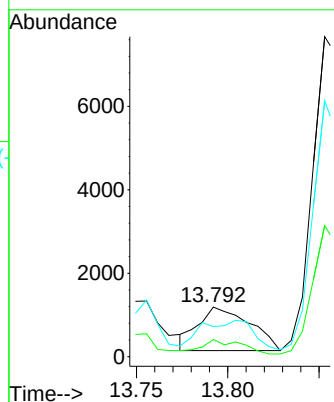
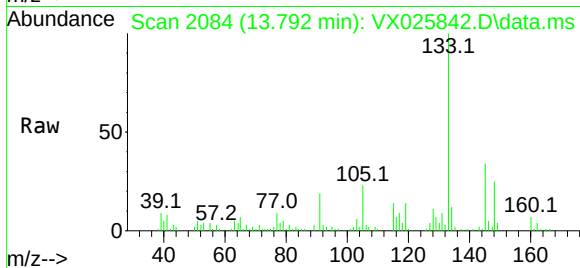




#95
Naphthalene
Concen: 2.693 ug/l
RT: 13.792 min Scan# 2084
Delta R.T. 0.012 min
Lab File: VX025842.D
Acq: 16 Dec 2021 03:12

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 2052
Ion Ratio Lower Upper
128 100
127 24.9 10.3 15.5#
129 67.5 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 3.016 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX025842.D
Acq: 16 Dec 2021 03:12

Tgt Ion:180 Resp: 48
Ion Ratio Lower Upper
180 100
182 129.2 47.5 142.6
145 20754.2 16.7 50.1#

