

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121421\
 Data File : VX025798.D
 Acq On : 15 Dec 2021 00:20
 Operator : JC/MD
 Sample : M4988-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 15 07:13:43 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)

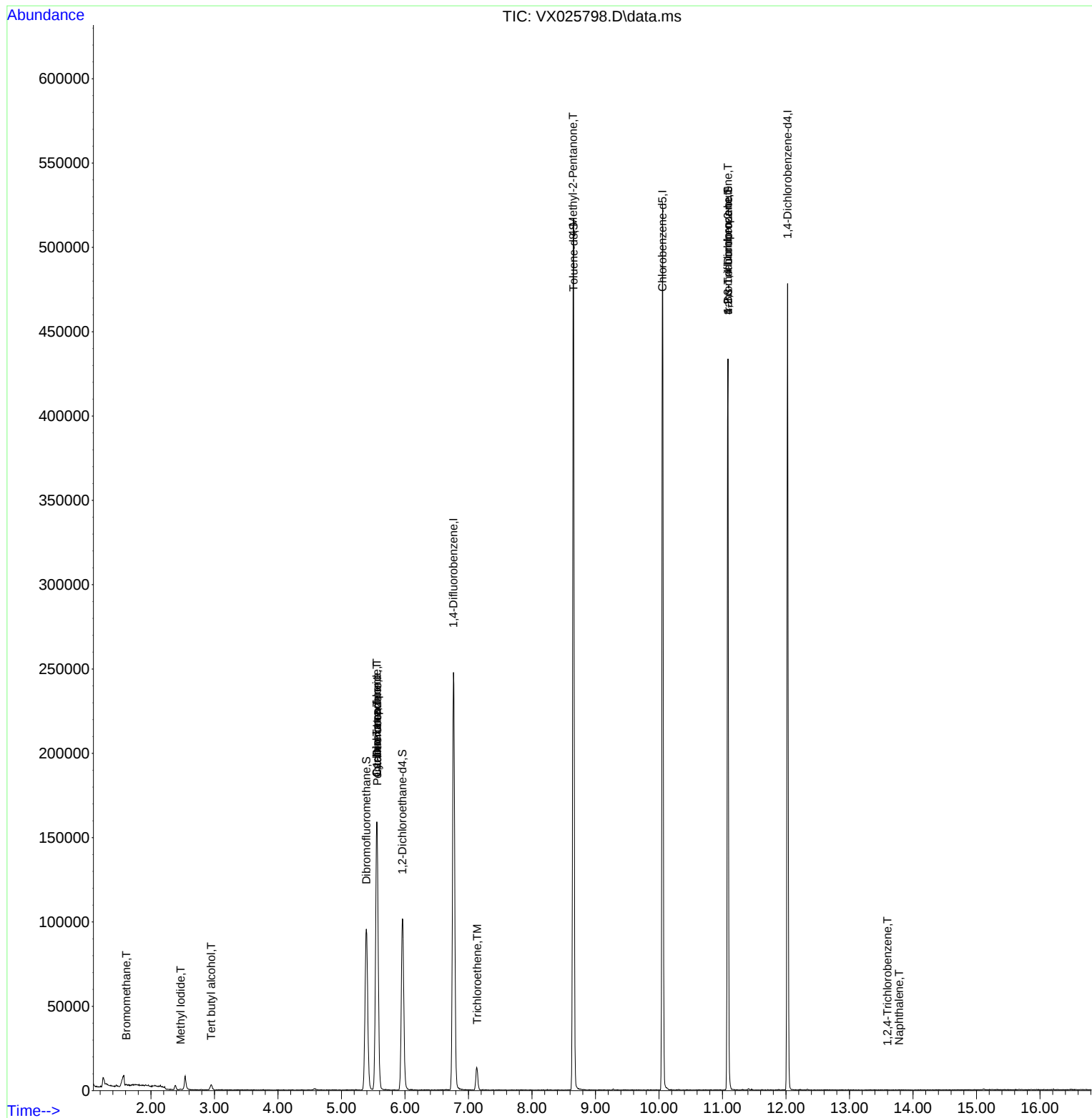
Internal Standards						
1) Pentafluorobenzene	5.562	168	150514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	259342	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97982	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	99650	46.014	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.020%
35) Dibromofluoromethane	5.391	113	82690	45.718	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.440%
50) Toluene-d8	8.653	98	304092	46.145	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.280%
62) 4-Bromofluorobenzene	11.085	95	114394	45.698	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.400%
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	315	0.237	ug/l #	41
10) Methyl Iodide	2.465	142	483	0.237	ug/l #	92
11) Tert butyl alcohol	2.947	59	1950	4.489	ug/l #	73
16) Acetone	2.386	43	2852	Below Cal		98
20) Methylene Chloride	2.800	84	96	Below Cal	#	64
31) Cyclohexane	5.556	56	3476	1.320	ug/l #	16
36) 1,1-Dichloropropene	5.556	75	12064	4.919	ug/l #	49
38) Carbon Tetrachloride	5.556	117	15936	5.584	ug/l #	16
44) Trichloroethene	7.135	130	5339	2.621	ug/l	90
51) 4-Methyl-2-Pentanone	8.647	43	1453	0.506	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	58645	26.123	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	58645	80.989	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.597	180	114	3.425	ug/l #	13
95) Naphthalene	13.780	128	198	2.440	ug/l #	69

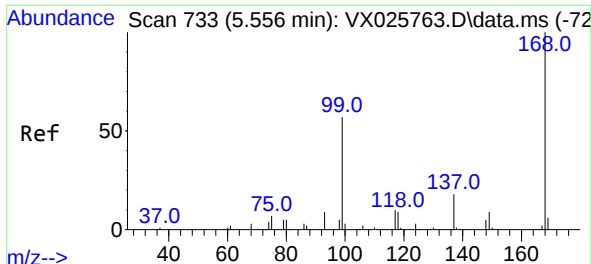
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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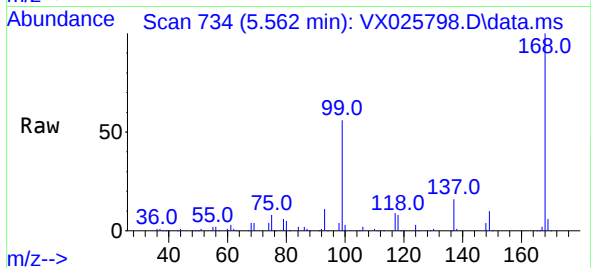
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
Response via : Initial Calibration



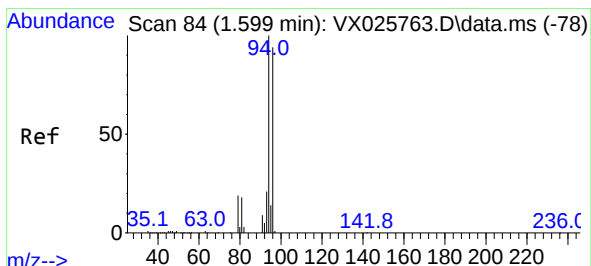
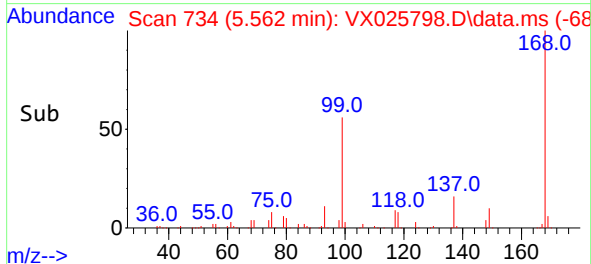
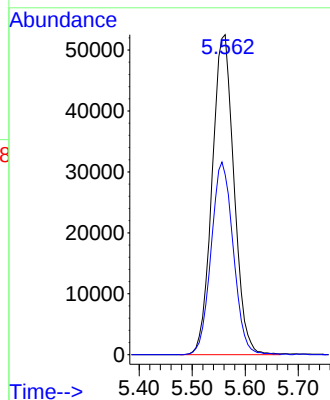


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025798.D
Acq: 15 Dec 2021 00:20

Instrument :
MSVOA_X
ClientSampleId :

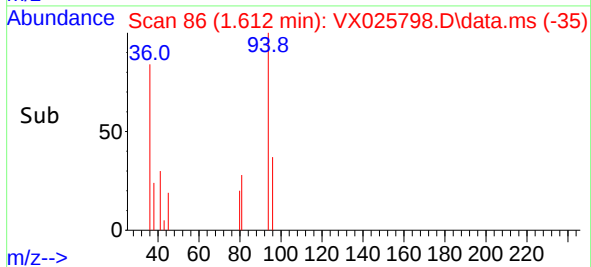
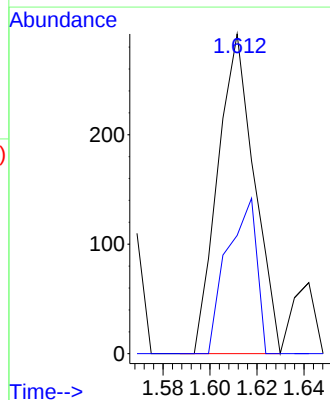
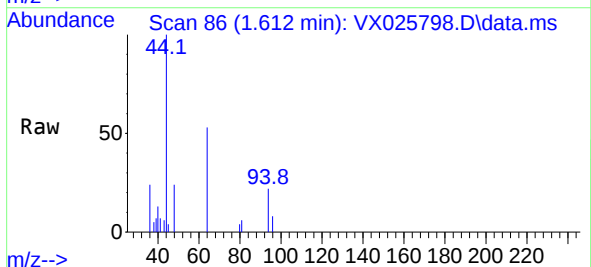


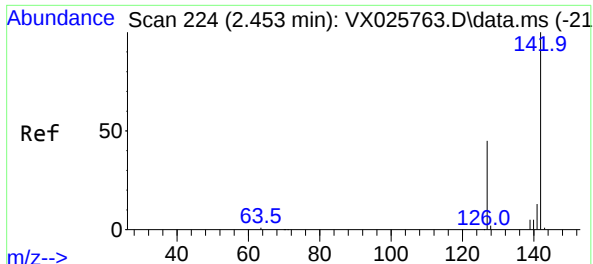
Tgt Ion:168 Resp: 150514
Ion Ratio Lower Upper
168 100
99 56.3 45.8 68.8



#5
Bromomethane
Concen: 0.237 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX025798.D
Acq: 15 Dec 2021 00:20

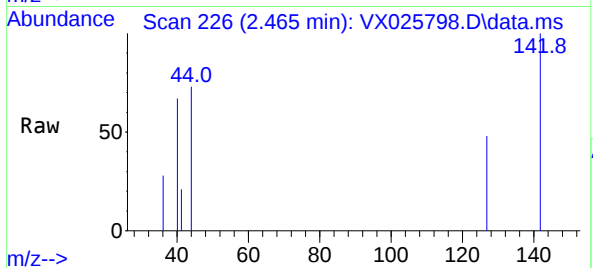
Tgt Ion: 94 Resp: 315
Ion Ratio Lower Upper
94 100
96 37.0 75.0 112.4#



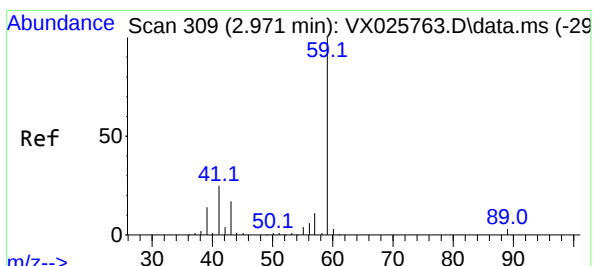
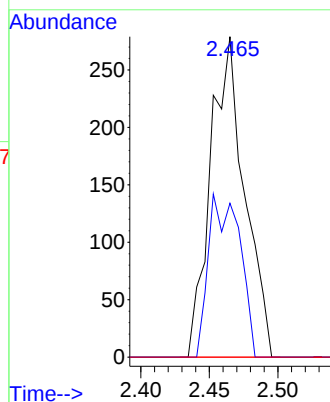
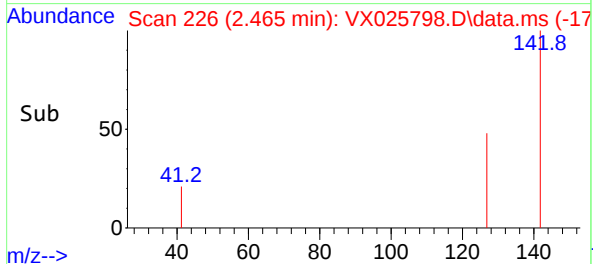


#10
Methyl Iodide
Concen: 0.237 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX025798.D
Acq: 15 Dec 2021 00:20

Instrument :
MSVOA_X
ClientSampleId :

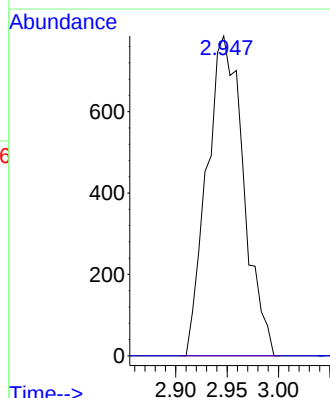
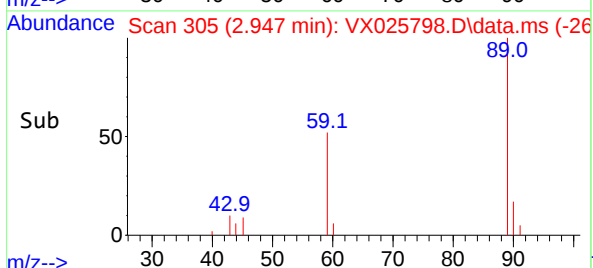
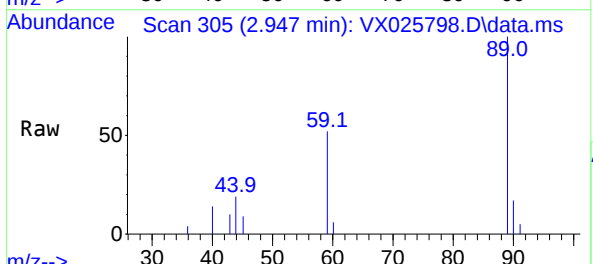


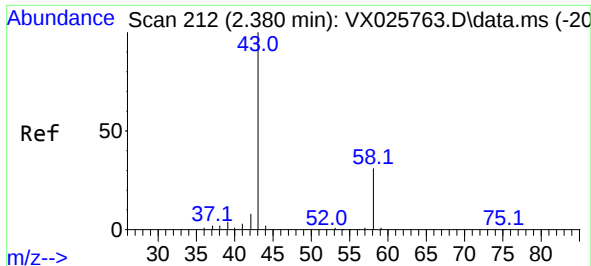
Tgt Ion:142 Resp: 483
Ion Ratio Lower Upper
142 100
127 46.6 37.5 56.3
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 4.489 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX025798.D
Acq: 15 Dec 2021 00:20

Tgt Ion: 59 Resp: 1950
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

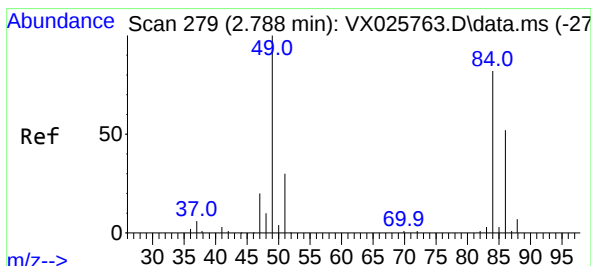
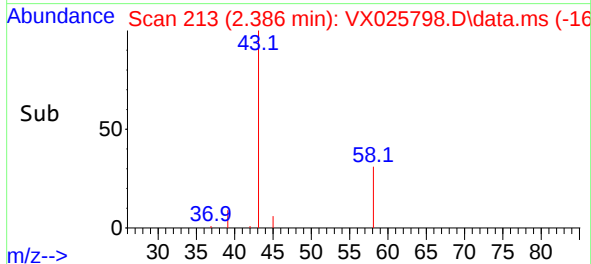
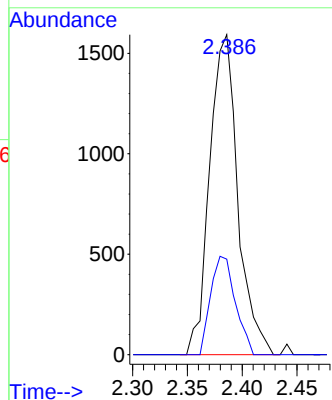
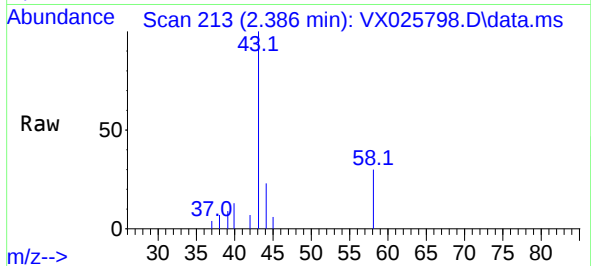




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025798.D
Acq: 15 Dec 2021 00:20

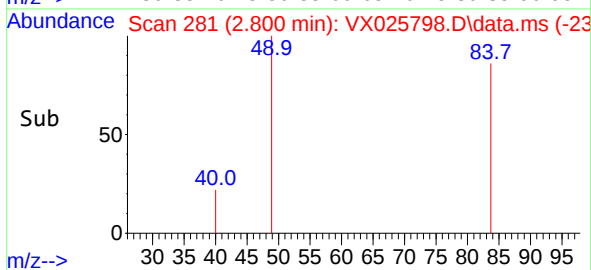
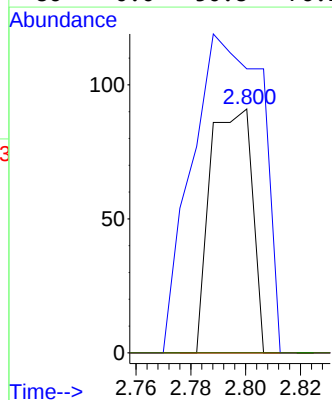
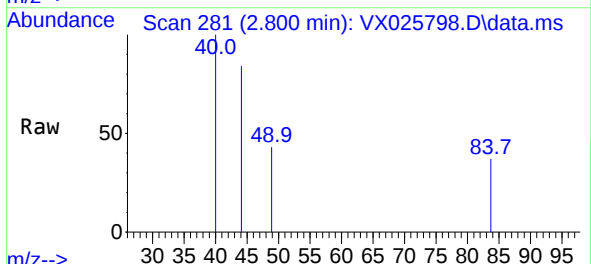
Instrument :
MSVOA_X
ClientSampleId :

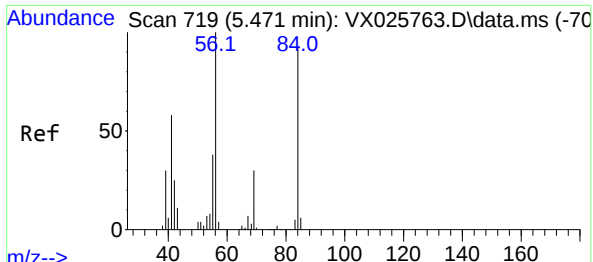
Tgt Ion: 43 Resp: 2852
Ion Ratio Lower Upper
43 100
58 29.8 24.8 37.2



#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX025798.D
Acq: 15 Dec 2021 00:20

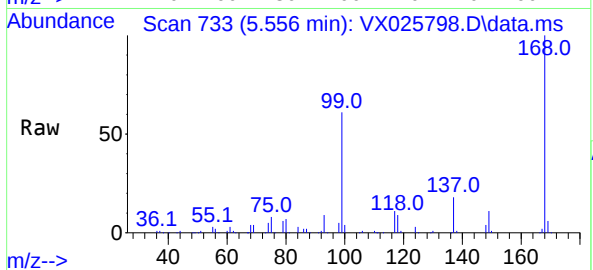
Tgt Ion: 84 Resp: 96
Ion Ratio Lower Upper
84 100
49 116.5 97.1 145.7
51 0.0 29.3 43.9#
86 0.0 50.8 76.2#



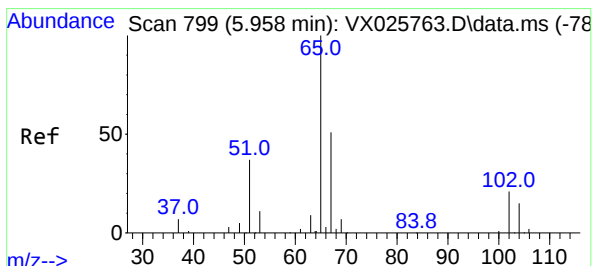
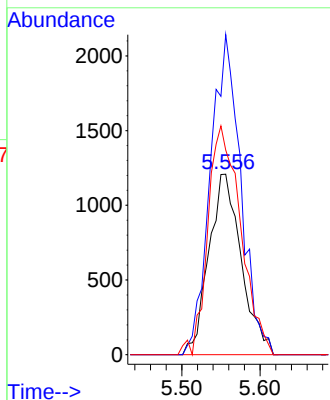
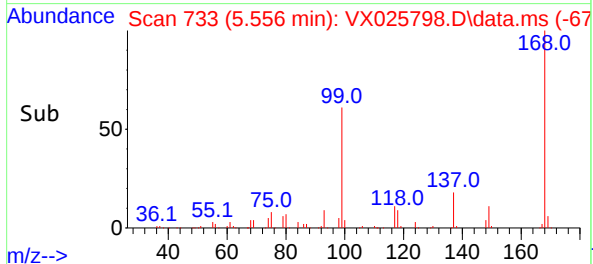


#31
Cyclohexane
Concen: 1.320 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX025798.D
Acq: 15 Dec 2021 00:20

Instrument :
MSVOA_X
ClientSampleId :

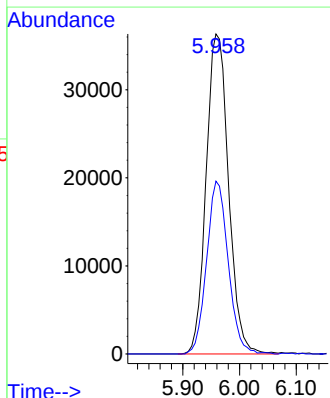
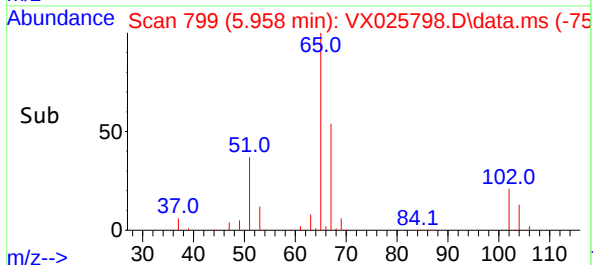
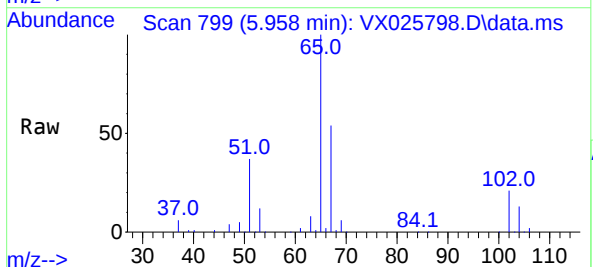


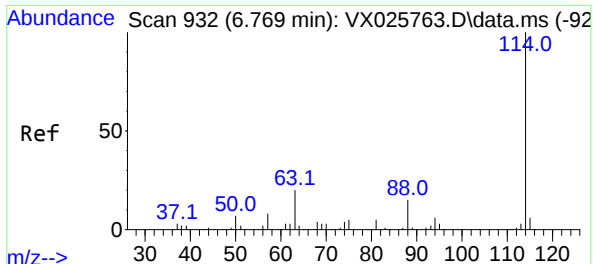
Tgt Ion: 56 Resp: 3476
Ion Ratio Lower Upper
56 100
69 177.3 23.9 35.9#
84 113.4 73.2 109.8#



#33
1,2-Dichloroethane-d4
Concen: 46.014 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX025798.D
Acq: 15 Dec 2021 00:20

Tgt Ion: 65 Resp: 99650
Ion Ratio Lower Upper
65 100
67 52.1 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: VX025798.D

Acq: 15 Dec 2021 00:20

Instrument :

MSVOA_X

ClientSampleId :

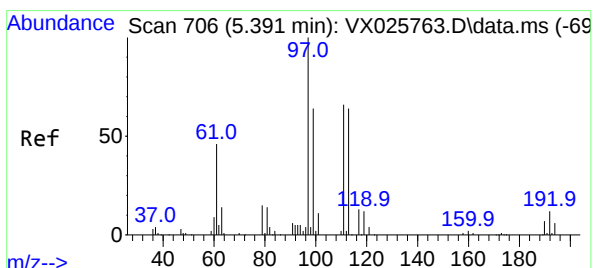
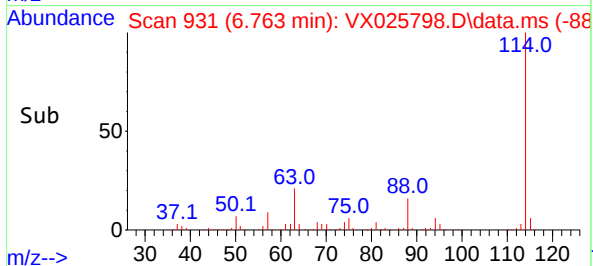
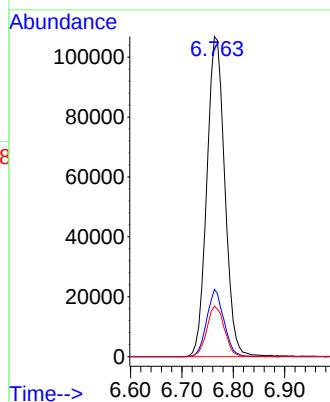
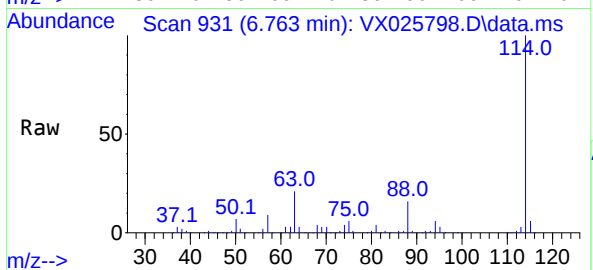
Tgt Ion:114 Resp: 259342

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.0

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.718 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX025798.D

Acq: 15 Dec 2021 00:20

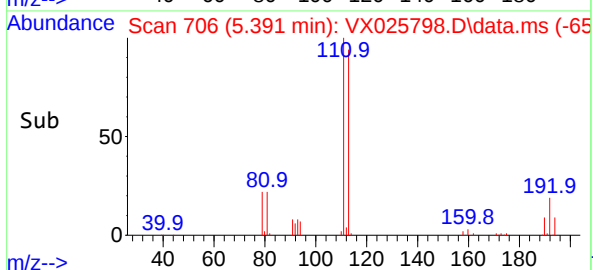
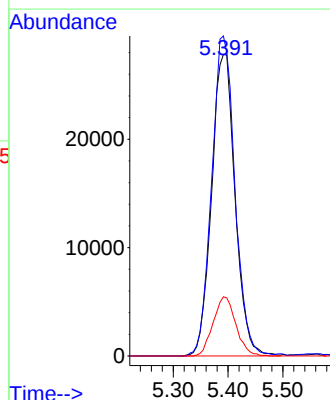
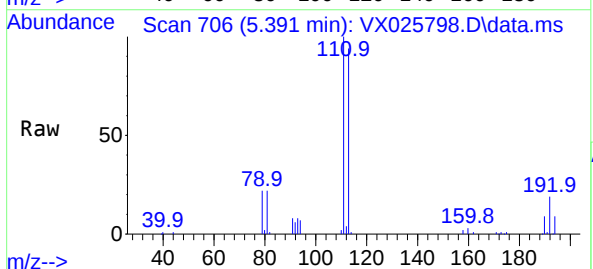
Tgt Ion:113 Resp: 82690

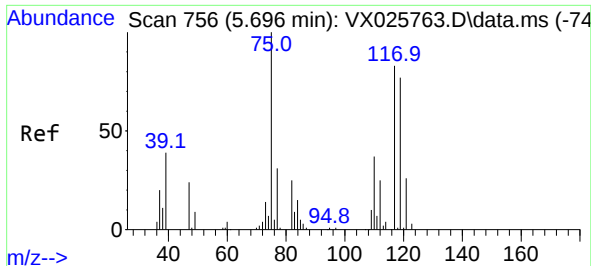
Ion Ratio Lower Upper

113 100

111 105.2 81.8 122.8

192 19.0 15.0 22.4

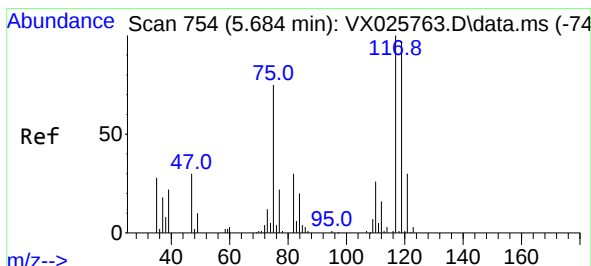
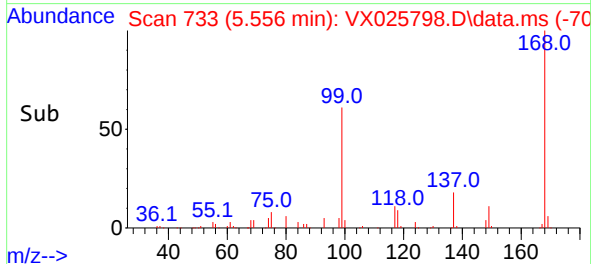
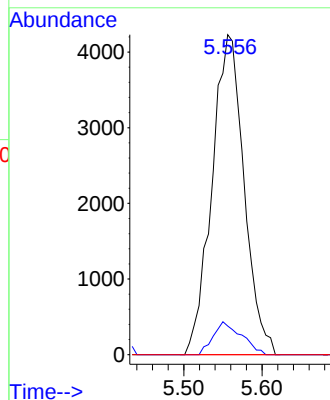
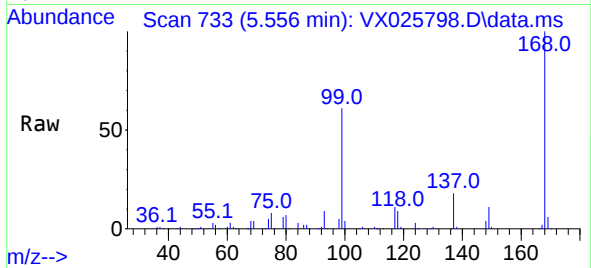




#36
1,1-Dichloropropene
Concen: 4.919 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX025798.D
Acq: 15 Dec 2021 00:20

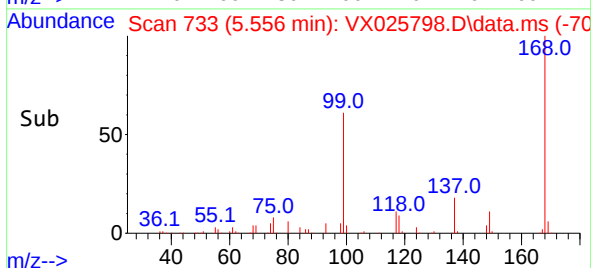
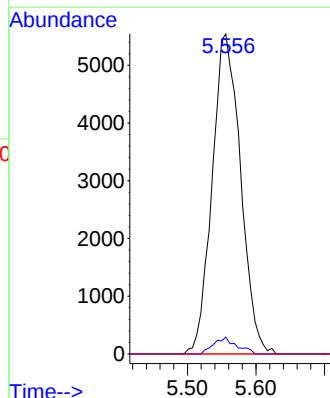
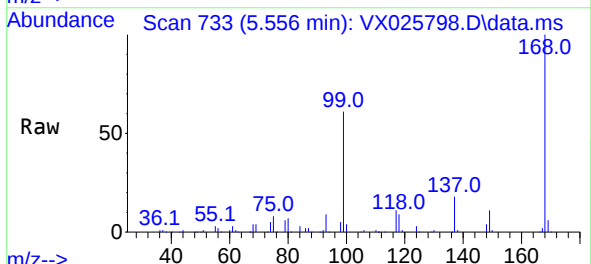
Instrument :
MSVOA_X
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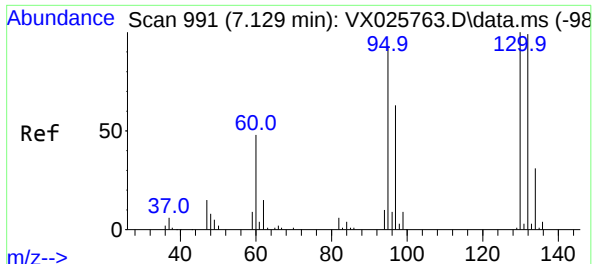
Tgt Ion: 75 Resp: 12064
Ion Ratio Lower Upper
75 100
110 9.1 18.2 54.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.584 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX025798.D
Acq: 15 Dec 2021 00:20

Tgt Ion: 117 Resp: 15936
Ion Ratio Lower Upper
117 100
119 5.3 77.2 115.8#
121 0.0 23.8 35.8#

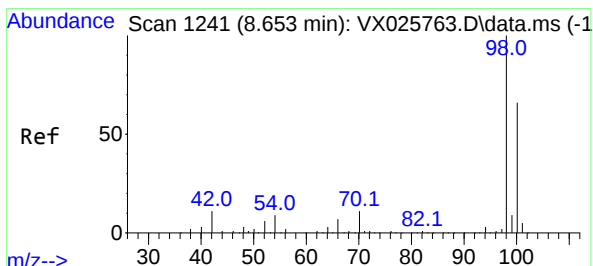
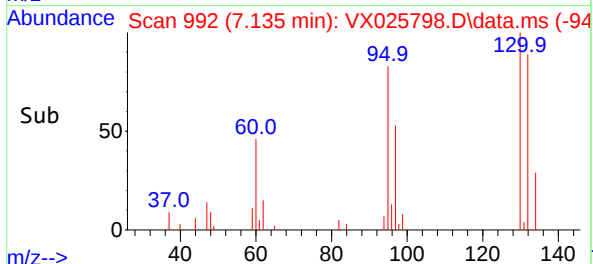
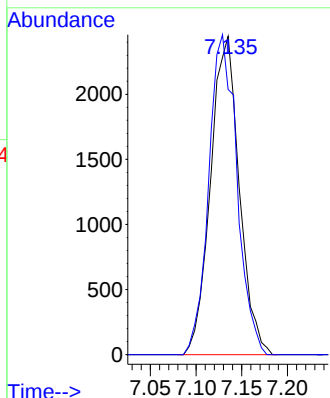
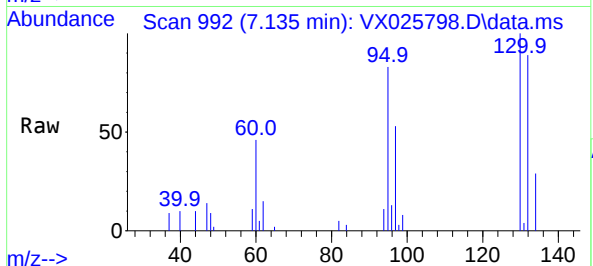




#44
Trichloroethene
Concen: 2.621 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX025798.D
Acq: 15 Dec 2021 00:20

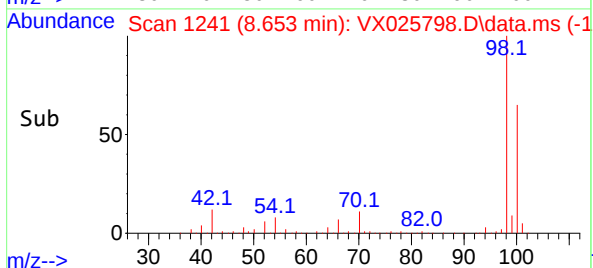
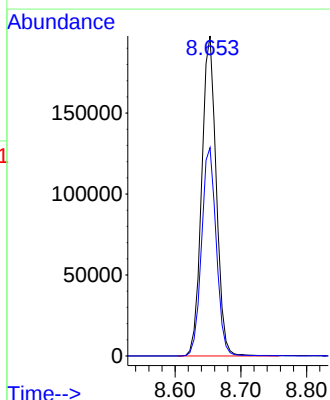
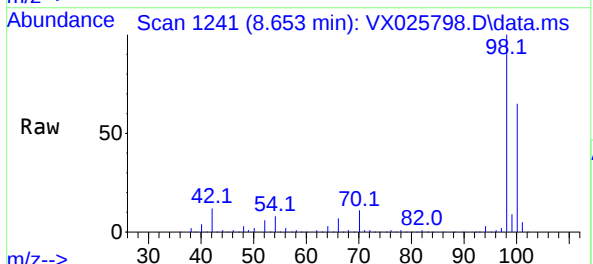
Instrument :
MSVOA_X
ClientSampleId :

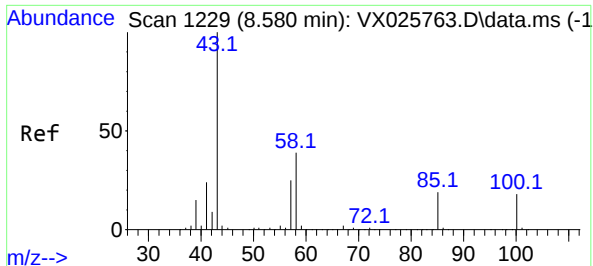
Tgt Ion:130 Resp: 5339
Ion Ratio Lower Upper
130 100
95 83.3 0.0 186.4



#50
Toluene-d8
Concen: 46.145 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX025798.D
Acq: 15 Dec 2021 00:20

Tgt Ion: 98 Resp: 304092
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.506 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX025798.D

Acq: 15 Dec 2021 00:20

Instrument :

MSVOA_X

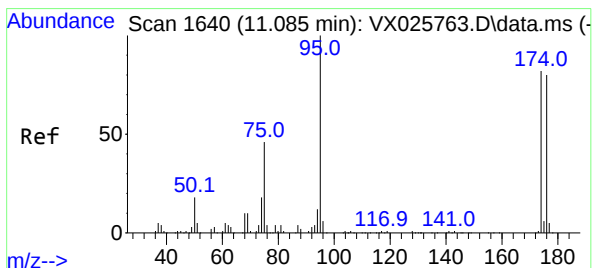
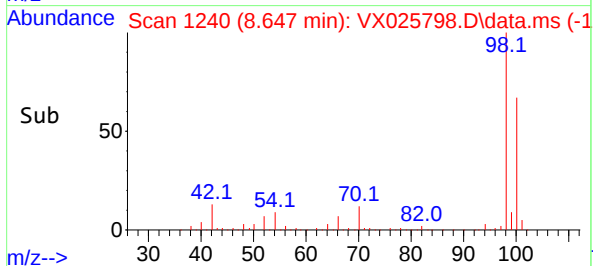
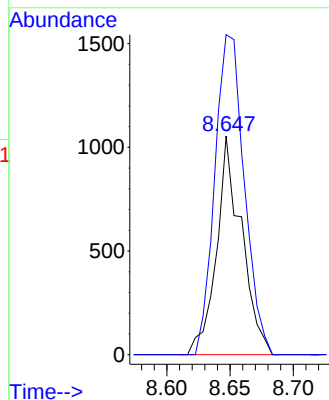
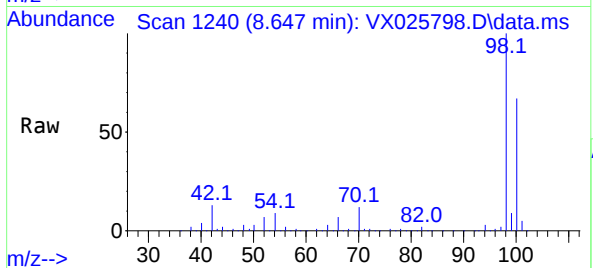
ClientSampleId :

Tgt Ion: 43 Resp: 1453

Ion Ratio Lower Upper

43 100

58 172.1 30.8 46.2#



#62

4-Bromofluorobenzene

Concen: 45.698 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX025798.D

Acq: 15 Dec 2021 00:20

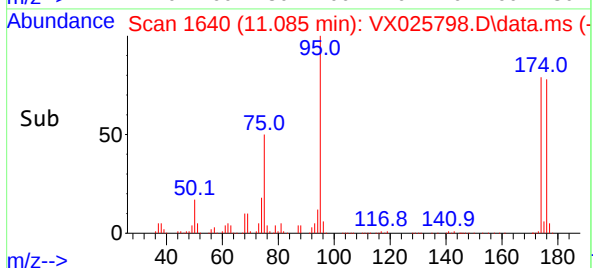
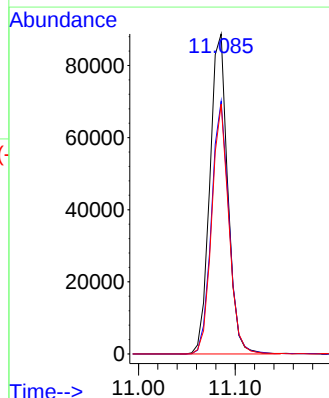
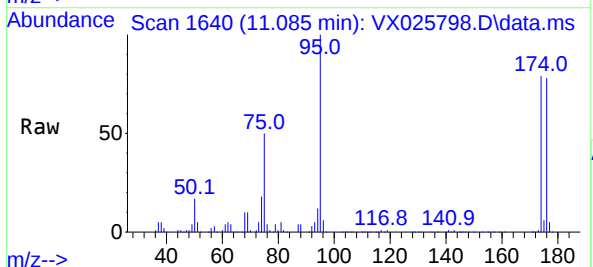
Tgt Ion: 95 Resp: 114394

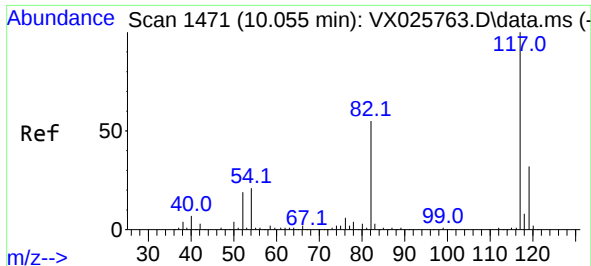
Ion Ratio Lower Upper

95 100

174 77.1 0.0 157.4

176 74.4 0.0 154.6

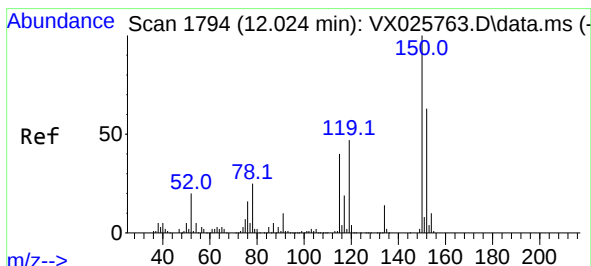
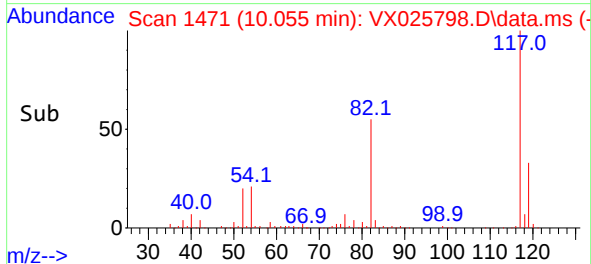
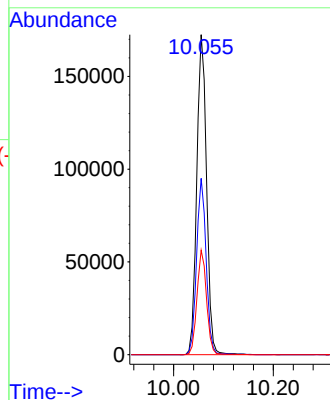
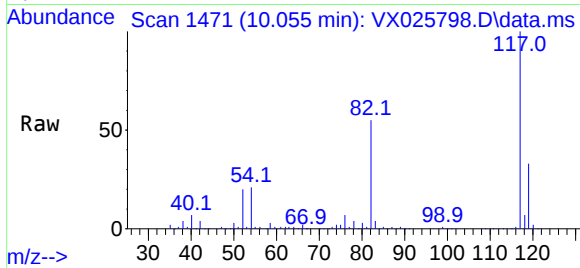




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025798.D
Acq: 15 Dec 2021 00:20

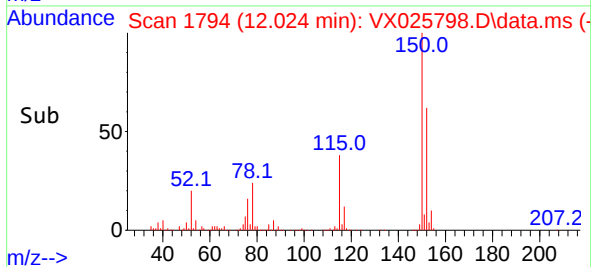
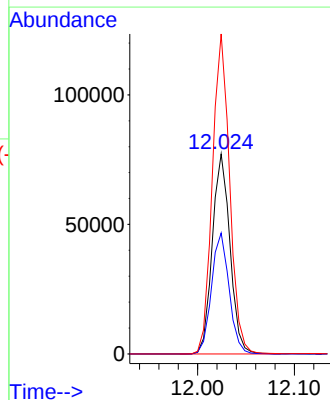
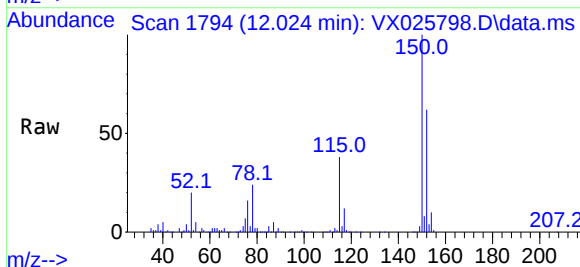
Instrument :
MSVOA_X
ClientSampleId :

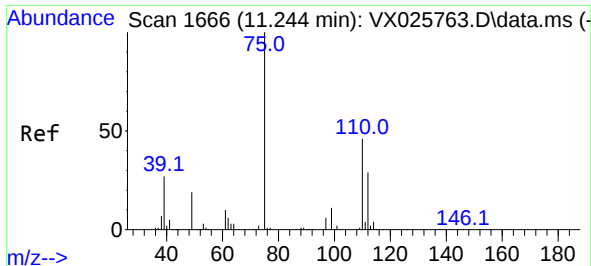
Tgt Ion:117 Resp: 234915
Ion Ratio Lower Upper
117 100
82 55.1 43.8 65.6
119 32.6 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025798.D
Acq: 15 Dec 2021 00:20

Tgt Ion:152 Resp: 97982
Ion Ratio Lower Upper
152 100
115 60.4 41.3 123.9
150 156.7 0.0 351.8

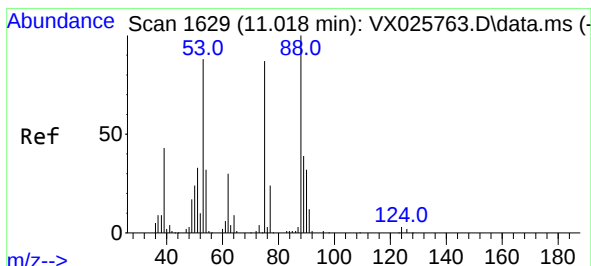
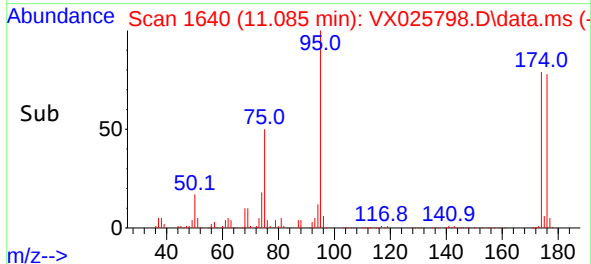
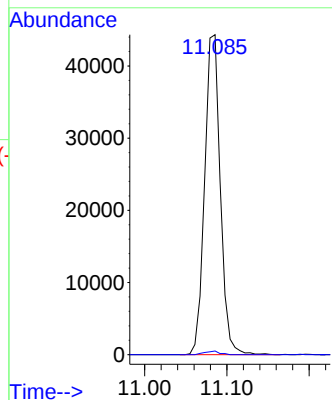
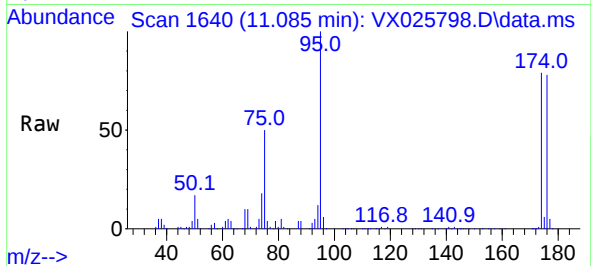




#76
1,2,3-Trichloropropane
Concen: 26.123 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025798.D
Acq: 15 Dec 2021 00:20

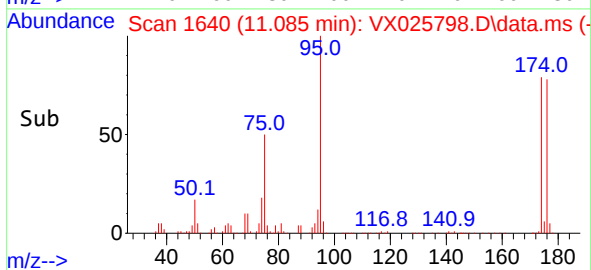
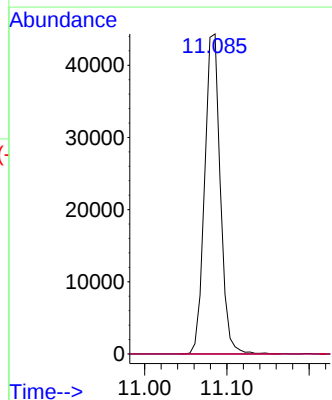
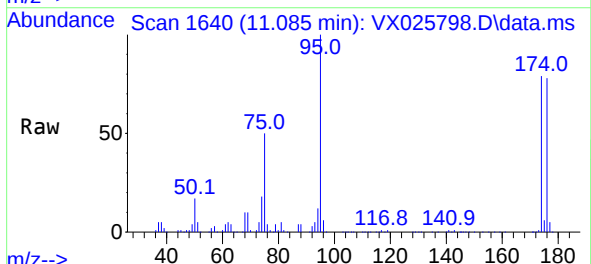
Instrument :
MSVOA_X
ClientSampleId :

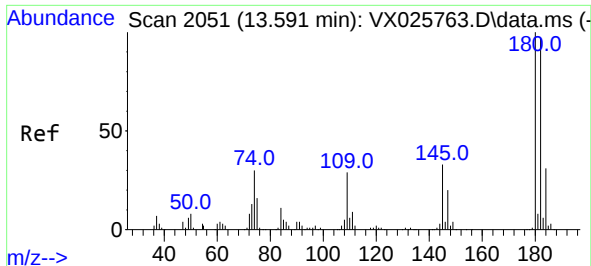
Tgt Ion: 75 Resp: 58645
Ion Ratio Lower Upper
75 100
77 1.1 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.989 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025798.D
Acq: 15 Dec 2021 00:20

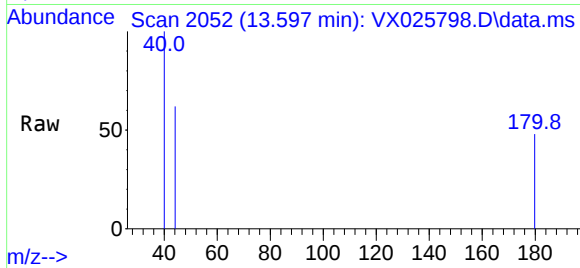
Tgt Ion: 75 Resp: 58645
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#



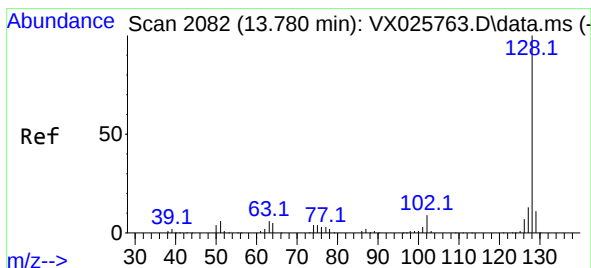
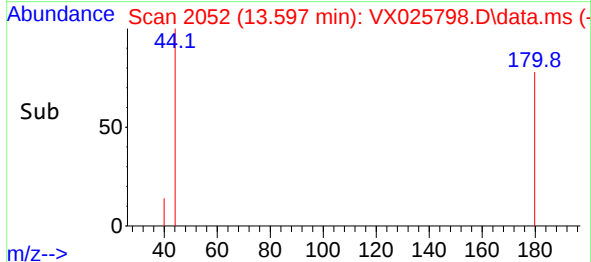
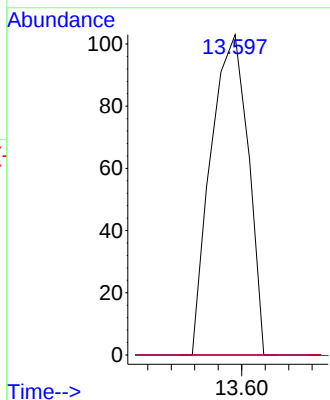


#93
1,2,4-Trichlorobenzene
Concen: 3.425 ug/l
RT: 13.597 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX025798.D
Acq: 15 Dec 2021 00:20

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:180 Resp: 114
Ion Ratio Lower Upper
180 100
182 0.0 47.2 141.6#
145 0.0 16.3 48.9#



#95
Naphthalene
Concen: 2.440 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX025798.D
Acq: 15 Dec 2021 00:20

Tgt Ion:128 Resp: 198
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

