

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121821\
 Data File : VX025882.D
 Acq On : 17 Dec 2021 13:55
 Operator : JC/MD
 Sample : M5137-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 19 02:28:08 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)

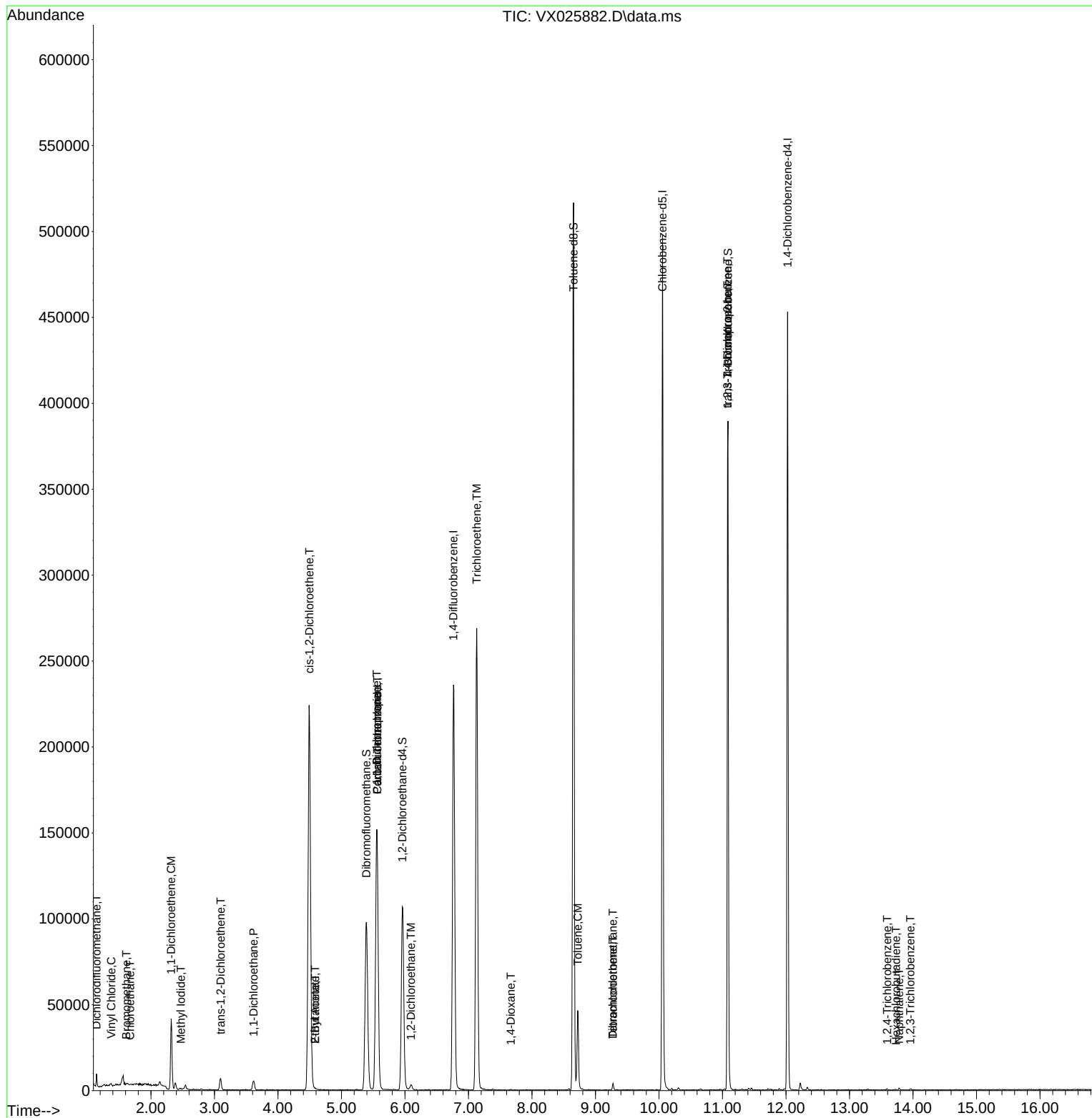
Internal Standards						
1) Pentafluorobenzene	5.562	168	142682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	243786	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	103837	50.580	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 101.160%		
35) Dibromofluoromethane	5.391	113	84466	49.680	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 99.360%		
50) Toluene-d8	8.653	98	309728	49.999	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 100.000%		
62) 4-Bromofluorobenzene	11.085	95	106181	45.123	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 90.240%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.142	85	584	0.458	ug/l	77
4) Vinyl Chloride	1.374	62	576	0.326	ug/l #	82
5) Bromomethane	1.612	94	501	0.397	ug/l	97
6) Chloroethane	1.673	64	394	0.308	ug/l #	88
10) Methyl Iodide	2.471	142	912	0.471	ug/l #	88
12) 1,1-Dichloroethene	2.319	96	13365	8.848	ug/l	87
16) Acetone	2.386	43	4063	Below Cal		94
20) Methylene Chloride	2.794	84	262	Below Cal	#	60
21) trans-1,2-Dichloroethene	3.099	96	2719	1.613	ug/l	87
24) 1,1-Dichloroethane	3.617	63	5869	1.922	ug/l #	90
25) 2-Butanone	4.587	43	667	0.483	ug/l #	44
27) cis-1,2-Dichloroethene	4.495	96	138886	69.484	ug/l	92
36) 1,1-Dichloropropene	5.556	75	11727	5.086	ug/l #	47
37) Ethyl Acetate	4.587	43	667	0.260	ug/l #	69
38) Carbon Tetrachloride	5.562	117	15095	5.627	ug/l #	16
42) 1,2-Dichloroethane	6.092	62	2988	1.143	ug/l	91
44) Trichloroethene	7.129	130	102202	53.375	ug/l	90
49) 1,4-Dioxane	7.665	88	271	6.387	ug/l #	58
52) Toluene	8.720	92	17260	3.939	ug/l	99
60) Dibromochloromethane	9.275	129	714	0.335	ug/l #	11
64) Tetrachloroethene	9.275	164	629	0.357	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	54612	25.509	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	54612	79.085	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.591	180	300	3.520	ug/l	87
94) Hexachlorobutadiene	13.731	225	169	0.257	ug/l #	47
95) Naphthalene	13.780	128	916	2.548	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.957	180	295	3.144	ug/l #	88

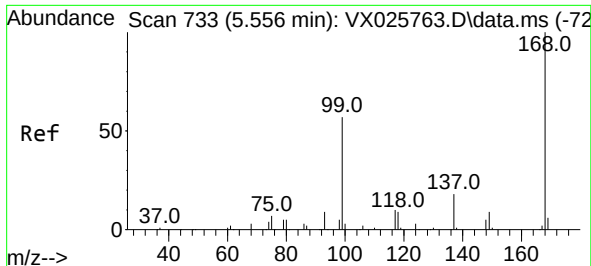
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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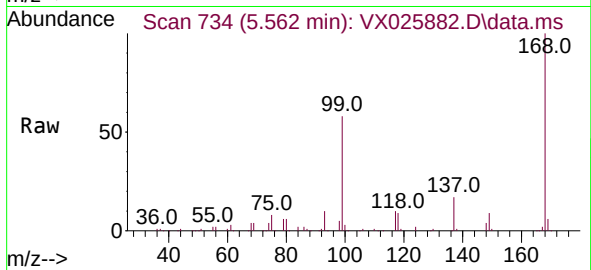
Quant Time: Dec 19 02:28:08 2021
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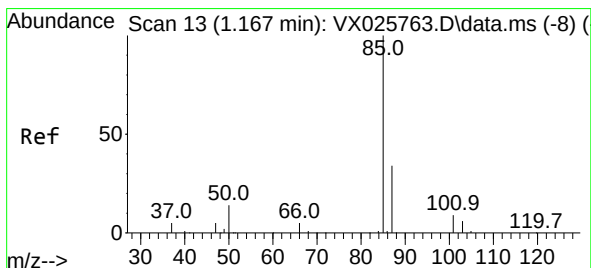
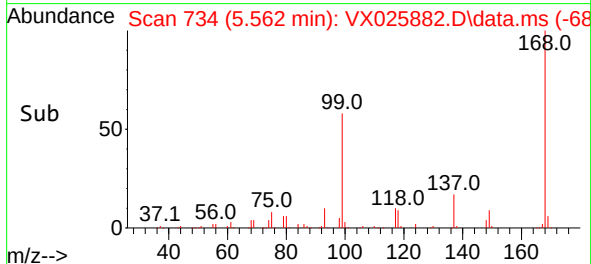
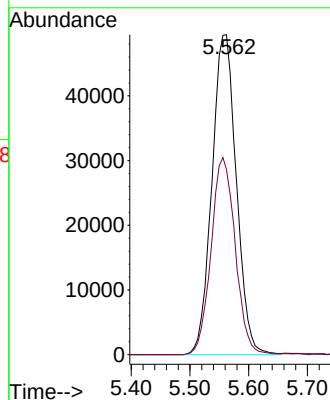


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025882.D
Acq: 17 Dec 2021 13:55

Instrument :
MSVOA_X
ClientSampleId :

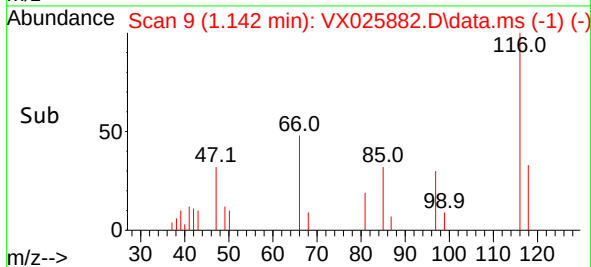
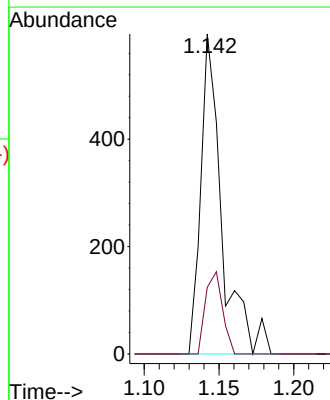
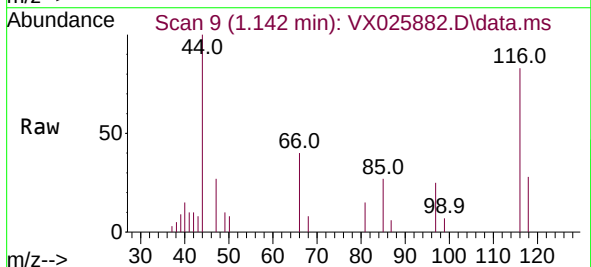


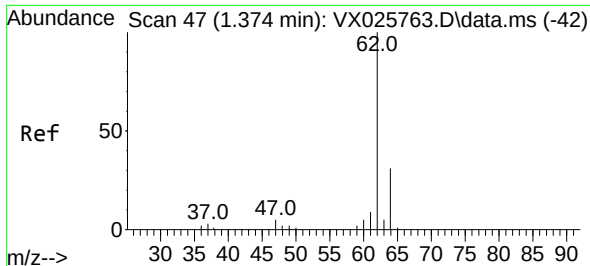
Tgt Ion:168 Resp: 142682
Ion Ratio Lower Upper
168 100
99 57.9 45.8 68.8



#2
Dichlorodifluoromethane
Concen: 0.458 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.024 min
Lab File: VX025882.D
Acq: 17 Dec 2021 13:55

Tgt Ion: 85 Resp: 584
Ion Ratio Lower Upper
85 100
87 20.8 17.0 50.9

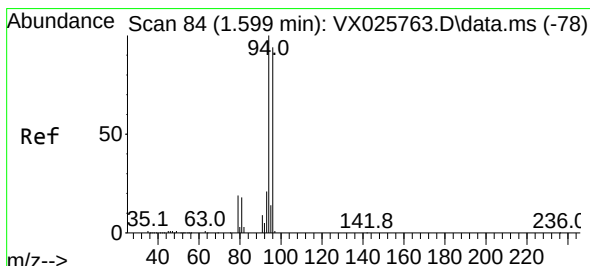
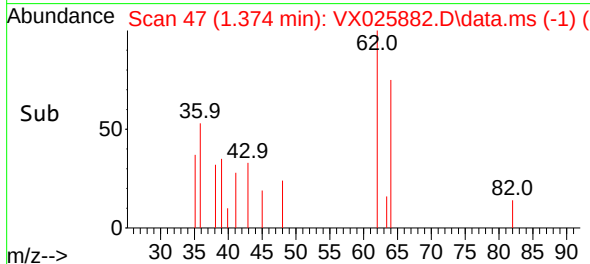
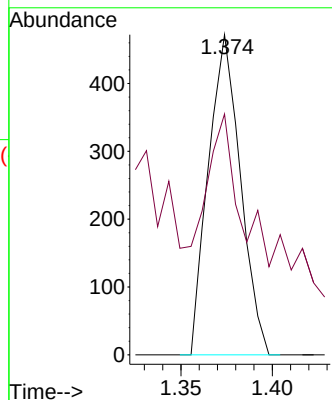
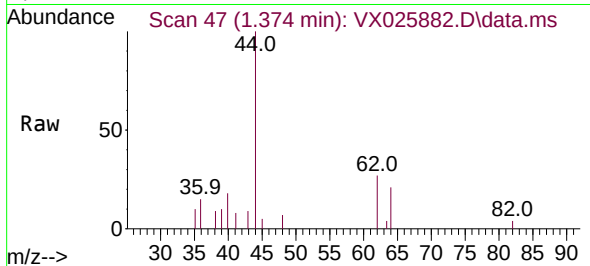




#4
 Vinyl Chloride
 Concen: 0.326 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX025882.D
 Acq: 17 Dec 2021 13:55

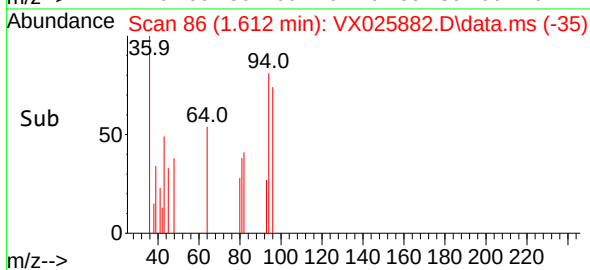
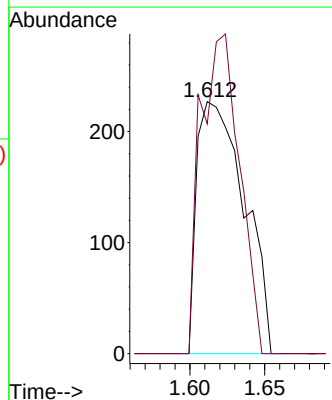
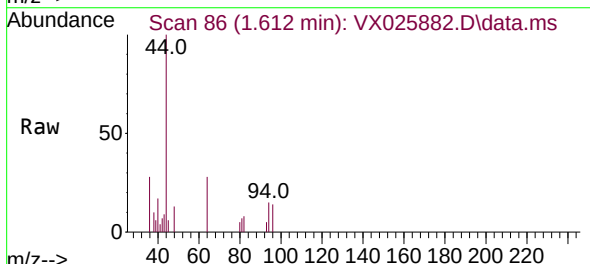
Instrument :
 MSVOA_X
 ClientSampleId :

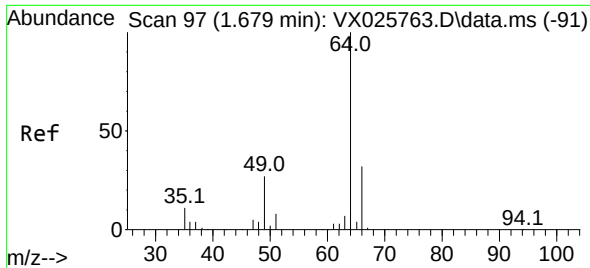
Tgt Ion: 62 Resp: 576
 Ion Ratio Lower Upper
 62 100
 64 41.9 25.4 38.2#



#5
 Bromomethane
 Concen: 0.397 ug/l
 RT: 1.612 min Scan# 86
 Delta R.T. 0.012 min
 Lab File: VX025882.D
 Acq: 17 Dec 2021 13:55

Tgt Ion: 94 Resp: 501
 Ion Ratio Lower Upper
 94 100
 96 91.2 75.0 112.4

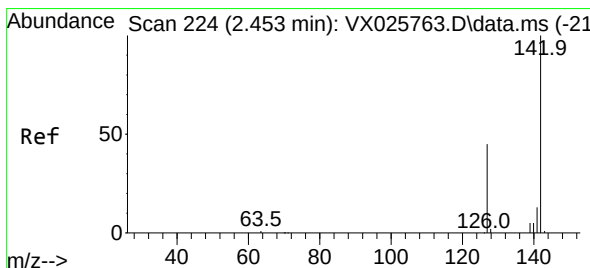
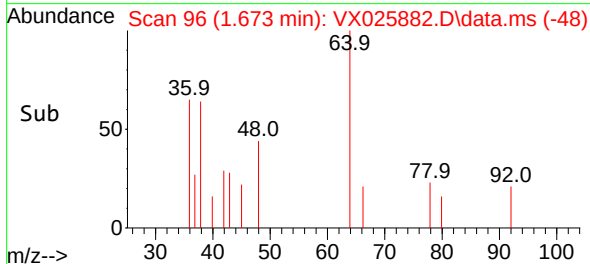
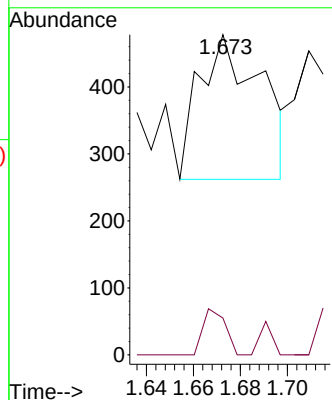
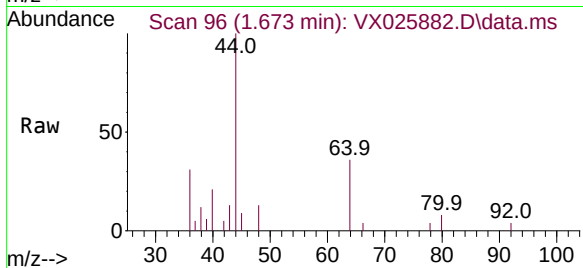




#6
Chloroethane
Concen: 0.308 ug/l
RT: 1.673 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX025882.D
Acq: 17 Dec 2021 13:55

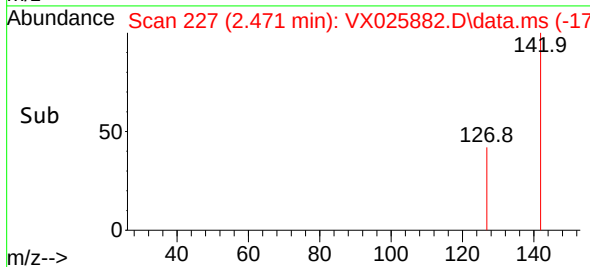
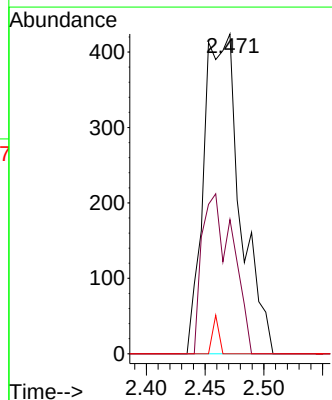
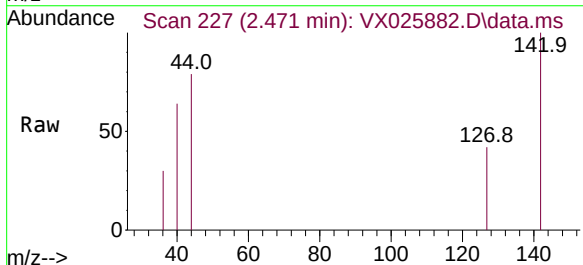
Instrument :
MSVOA_X
ClientSampleId :

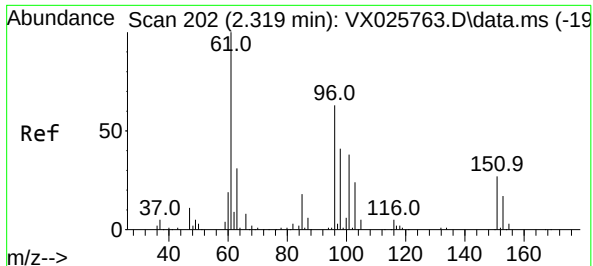
Tgt Ion: 64 Resp: 394
Ion Ratio Lower Upper
64 100
66 25.5 25.9 38.9#



#10
Methyl Iodide
Concen: 0.471 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX025882.D
Acq: 17 Dec 2021 13:55

Tgt Ion: 142 Resp: 912
Ion Ratio Lower Upper
142 100
127 42.1 37.5 56.3
141 2.1 11.4 17.0#





#12

1,1-Dichloroethene

Concen: 8.848 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX025882.D

Acq: 17 Dec 2021 13:55

Instrument :

MSVOA_X

ClientSampleId :

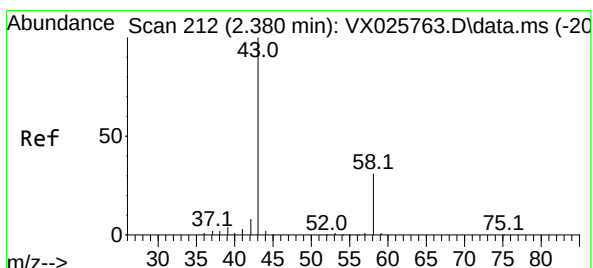
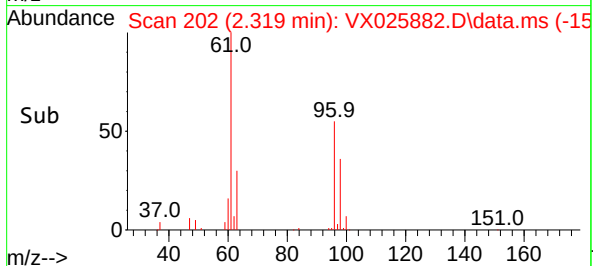
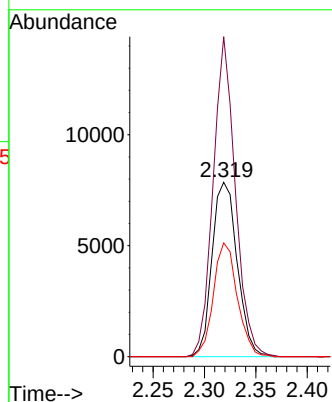
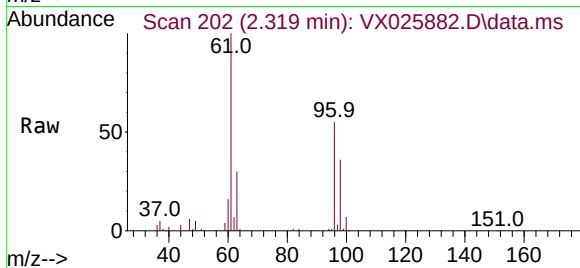
Tgt Ion: 96 Resp: 13365

Ion Ratio Lower Upper

96 100

61 183.5 127.5 191.3

98 65.2 52.0 78.0



#16

Acetone

Concen: Below Cal

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX025882.D

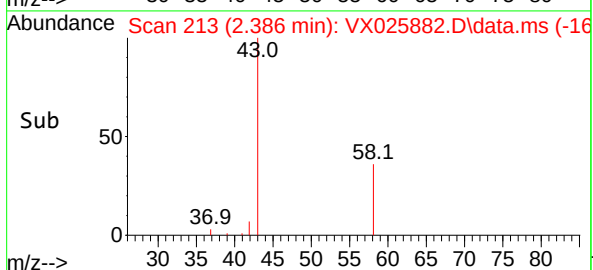
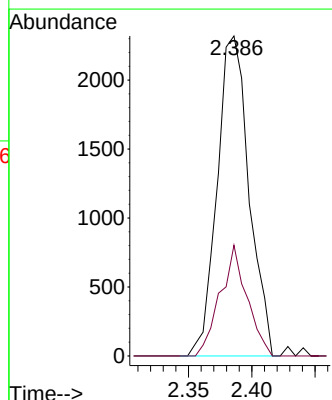
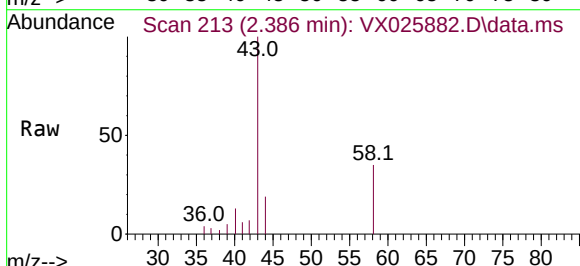
Acq: 17 Dec 2021 13:55

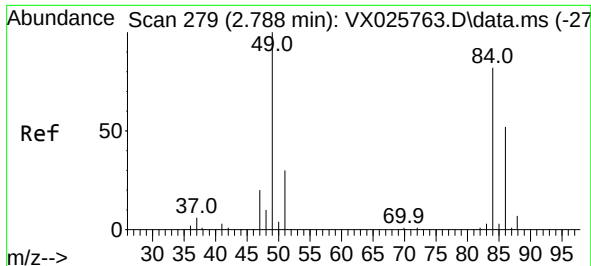
Tgt Ion: 43 Resp: 4063

Ion Ratio Lower Upper

43 100

58 34.6 24.8 37.2





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX025882.D

Acq: 17 Dec 2021 13:55

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 84 Resp: 262

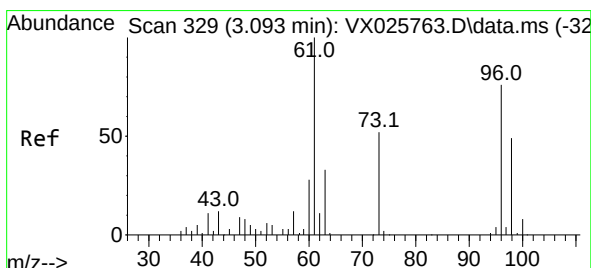
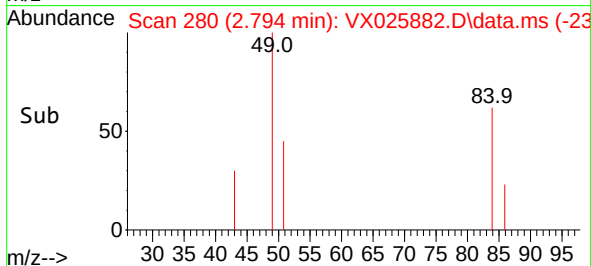
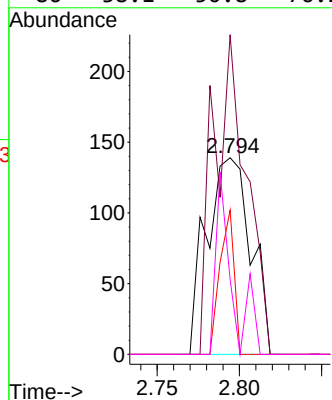
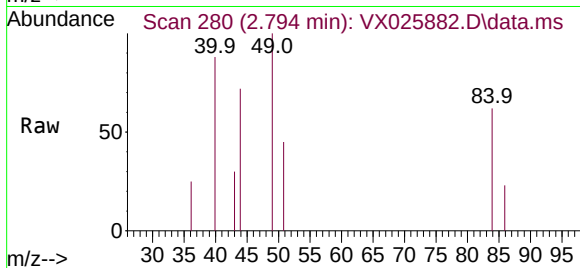
Ion Ratio Lower Upper

84 100

49 162.6 97.1 145.7#

51 73.4 29.3 43.9#

86 38.1 50.8 76.2#



#21

trans-1,2-Dichloroethene

Concen: 1.613 ug/l

RT: 3.099 min Scan# 330

Delta R.T. 0.006 min

Lab File: VX025882.D

Acq: 17 Dec 2021 13:55

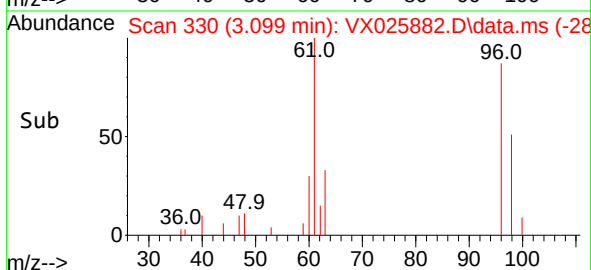
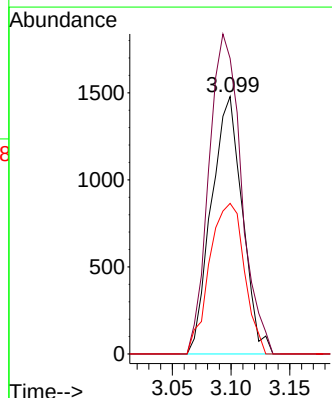
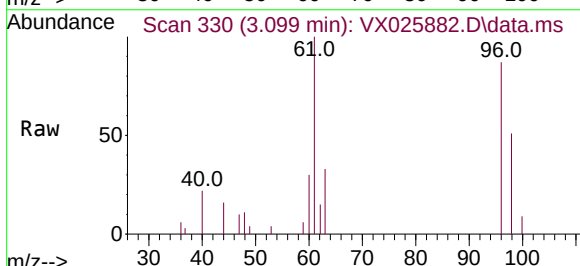
Tgt Ion: 96 Resp: 2719

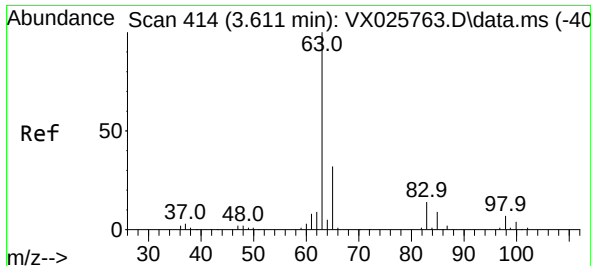
Ion Ratio Lower Upper

96 100

61 114.7 105.7 158.5

98 58.5 52.1 78.1

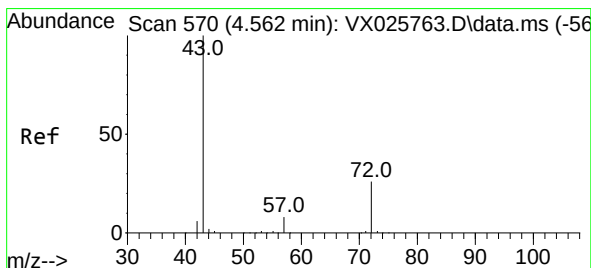
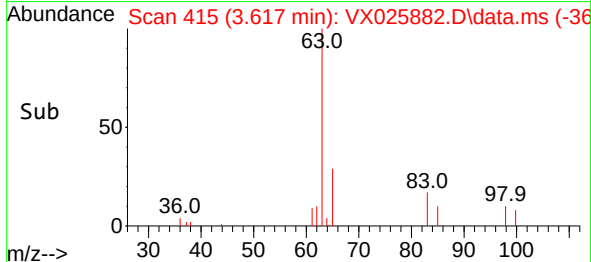
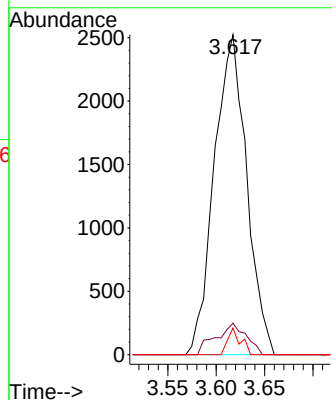
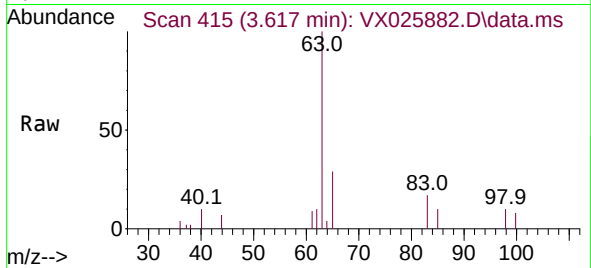




#24
 1,1-Dichloroethane
 Concen: 1.922 ug/l
 RT: 3.617 min Scan# 414
 Delta R.T. 0.006 min
 Lab File: VX025882.D
 Acq: 17 Dec 2021 13:55

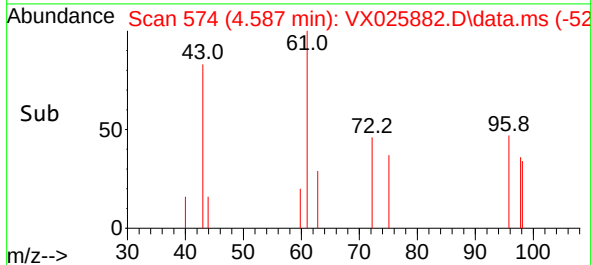
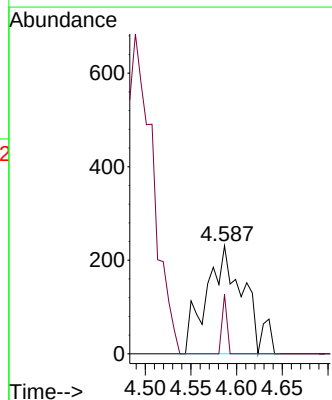
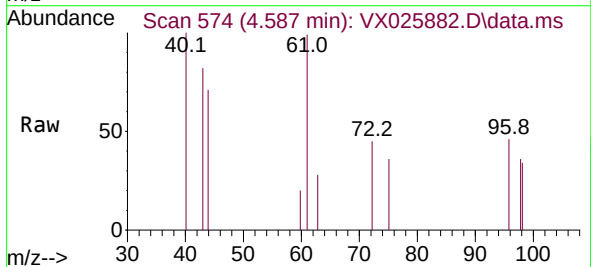
Instrument :
 MSVOA_X
 ClientSampleId :

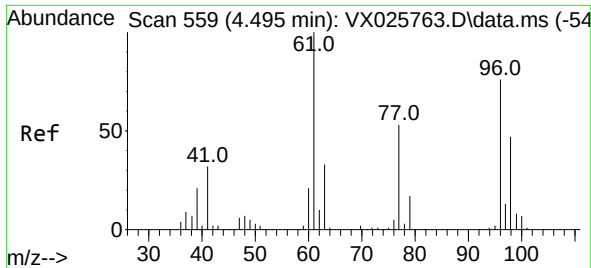
Tgt Ion: 63 Resp: 5869
 Ion Ratio Lower Upper
 63 100
 98 9.9 3.3 9.9
 100 8.3 2.2 6.6#



#25
 2-Butanone
 Concen: 0.483 ug/l
 RT: 4.587 min Scan# 574
 Delta R.T. 0.024 min
 Lab File: VX025882.D
 Acq: 17 Dec 2021 13:55

Tgt Ion: 43 Resp: 667
 Ion Ratio Lower Upper
 43 100
 72 55.0 21.0 31.4#





#27

cis-1,2-Dichloroethene

Concen: 69.484 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX025882.D

Acq: 17 Dec 2021 13:55

Instrument :

MSVOA_X

ClientSampleId :

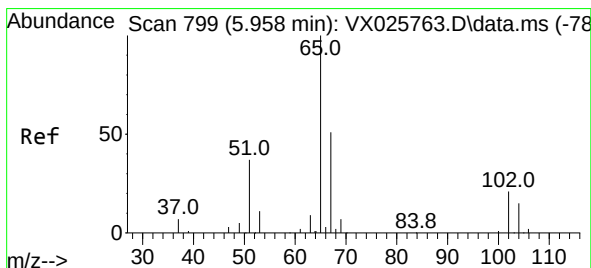
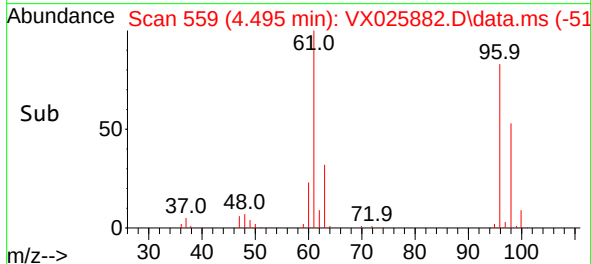
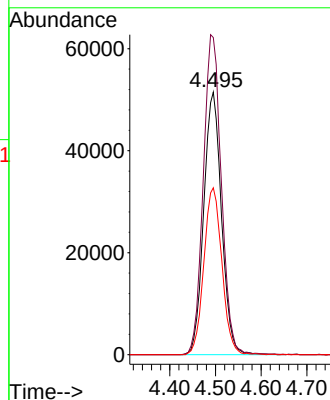
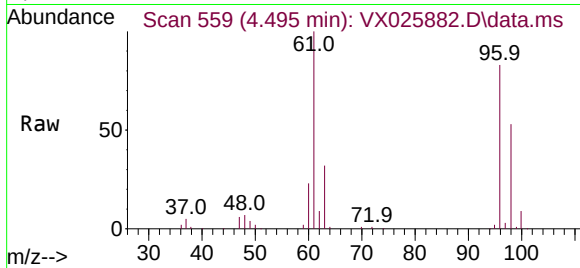
Tgt Ion: 96 Resp: 138886

Ion Ratio Lower Upper

96 100

61 124.1 0.0 276.8

98 64.5 0.0 130.6



#33

1,2-Dichloroethane-d4

Concen: 50.580 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025882.D

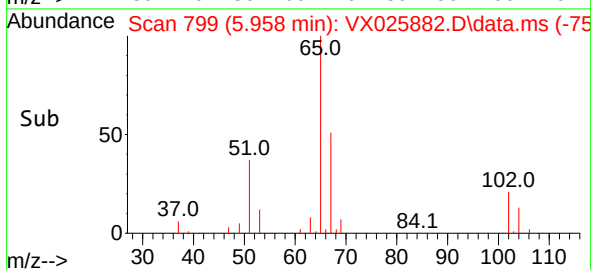
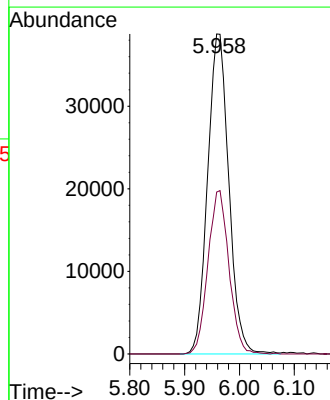
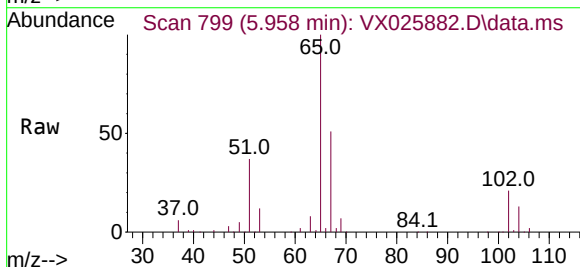
Acq: 17 Dec 2021 13:55

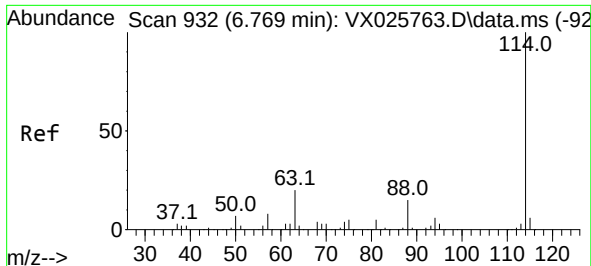
Tgt Ion: 65 Resp: 103837

Ion Ratio Lower Upper

65 100

67 50.5 0.0 103.4

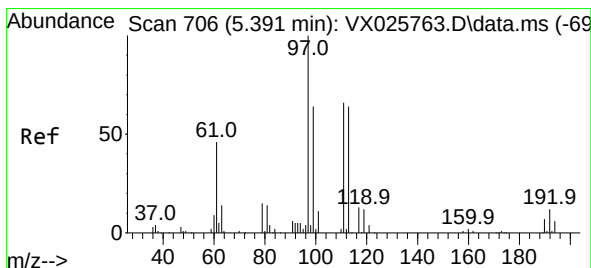
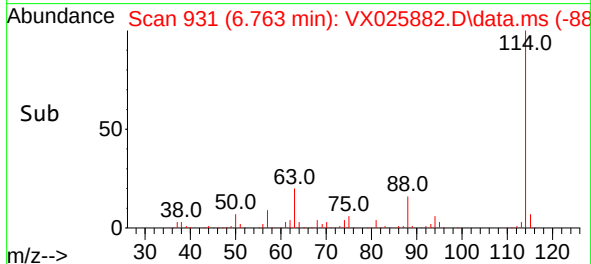
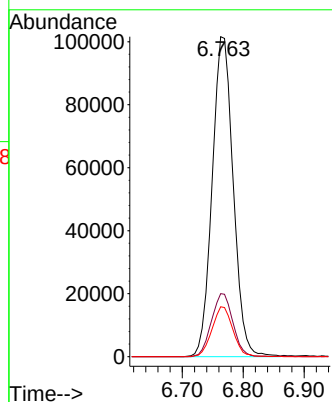
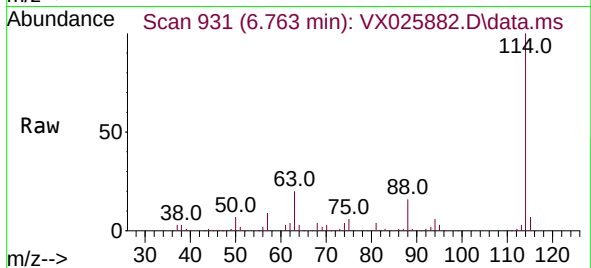




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX025882.D
Acq: 17 Dec 2021 13:55

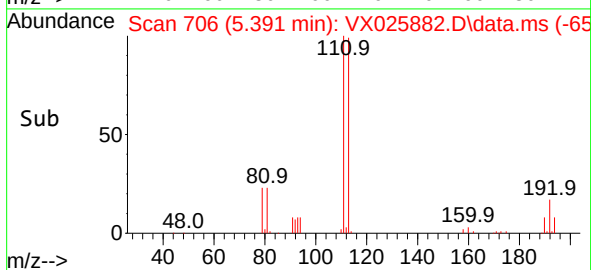
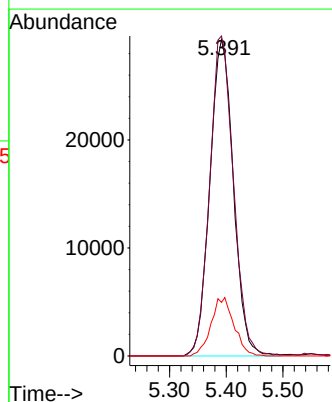
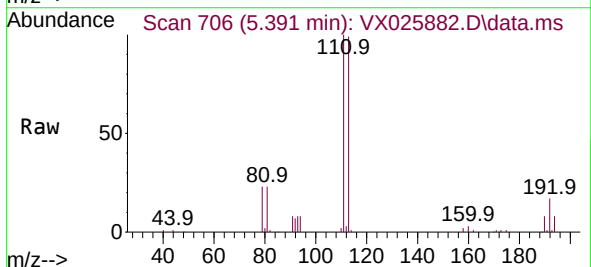
Instrument :
MSVOA_X
ClientSampleId :

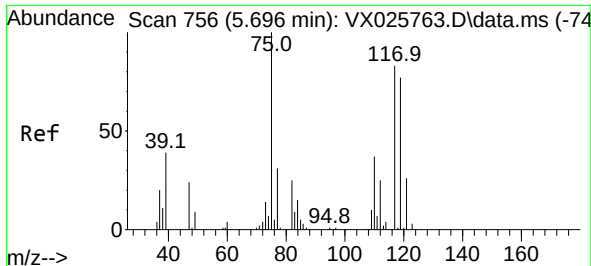
Tgt Ion:114 Resp: 243786
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.0
88 15.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.680 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX025882.D
Acq: 17 Dec 2021 13:55

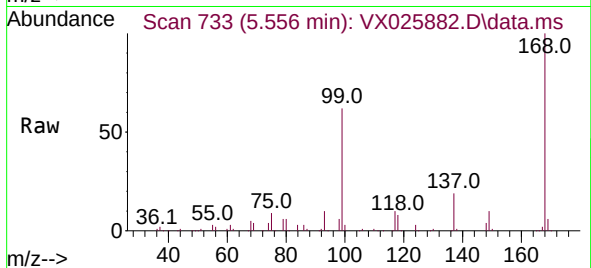
Tgt Ion:113 Resp: 84466
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.8
192 18.0 15.0 22.4



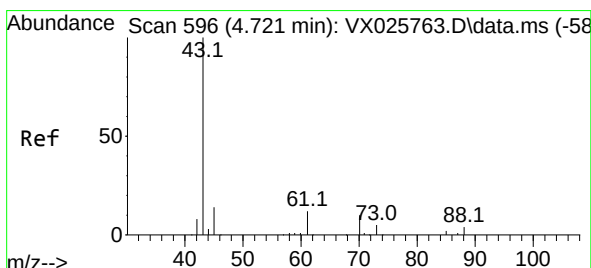
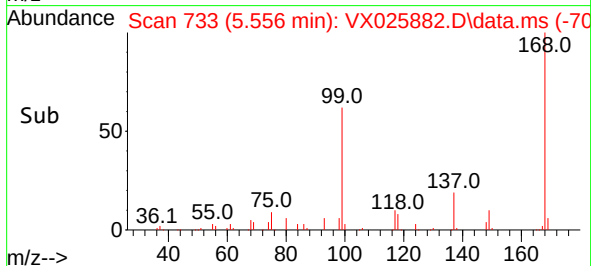
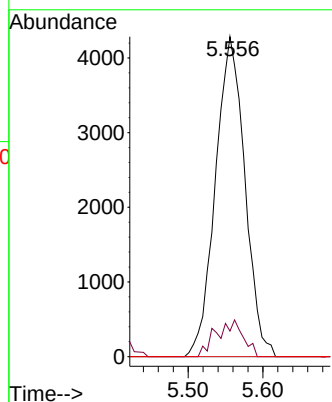


#36
1,1-Dichloropropene
Concen: 5.086 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX025882.D
Acq: 17 Dec 2021 13:55

Instrument :
MSVOA_X
ClientSampleId :

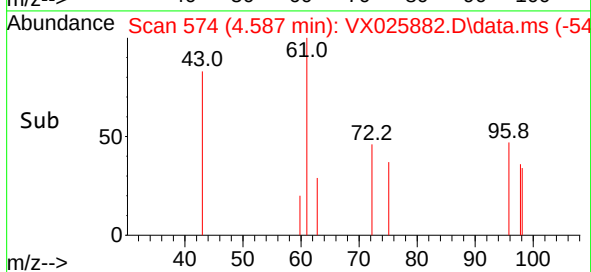
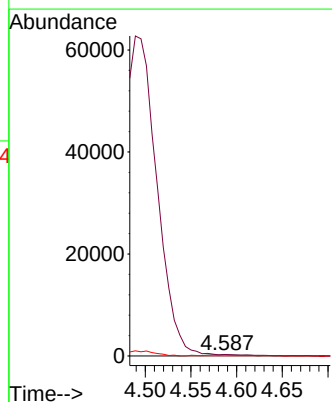
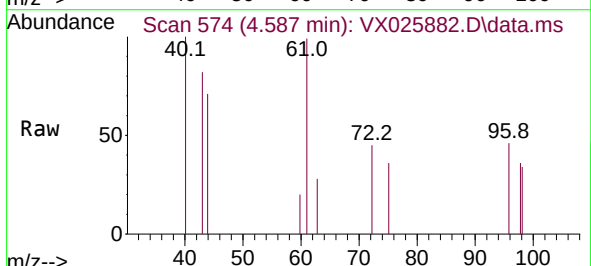


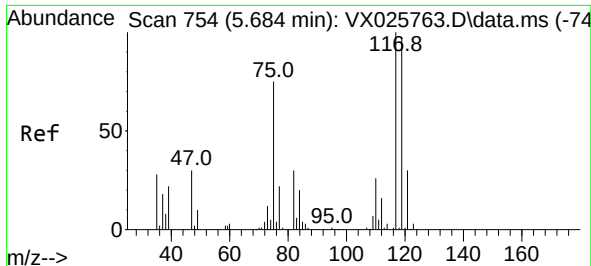
Tgt Ion: 75 Resp: 11727
Ion Ratio Lower Upper
75 100
110 6.9 18.2 54.6#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.260 ug/l
RT: 4.587 min Scan# 574
Delta R.T. -0.134 min
Lab File: VX025882.D
Acq: 17 Dec 2021 13:55

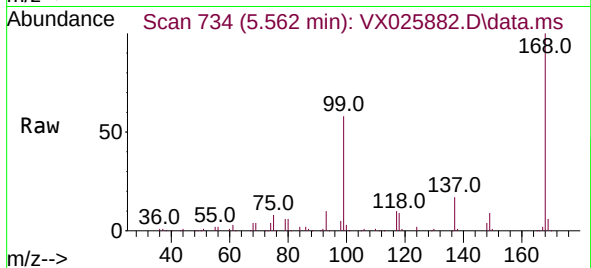
Tgt Ion: 43 Resp: 667
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 8.5 12.7#



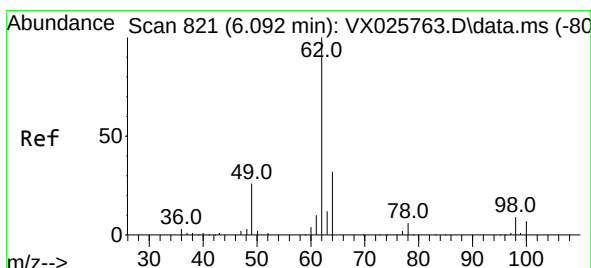
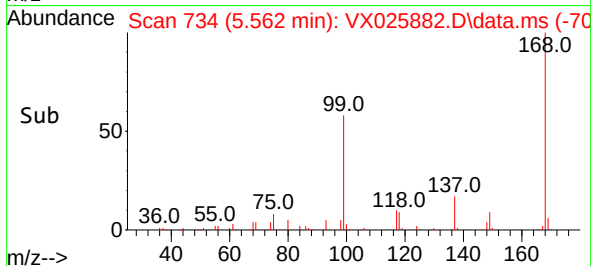
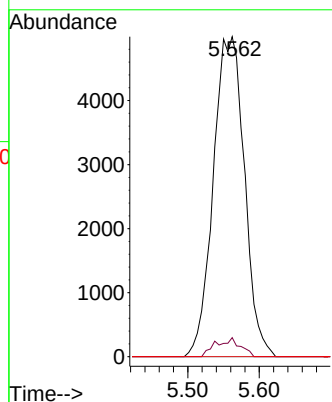


#38
Carbon Tetrachloride
Concen: 5.627 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX025882.D
Acq: 17 Dec 2021 13:55

Instrument :
MSVOA_X
ClientSampleId :

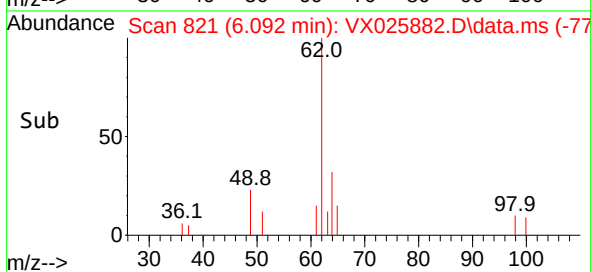
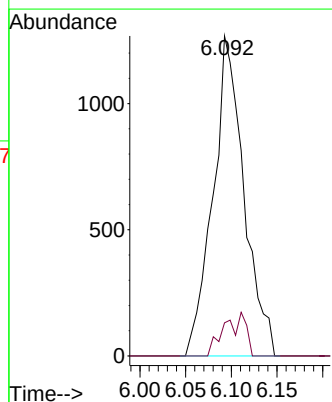
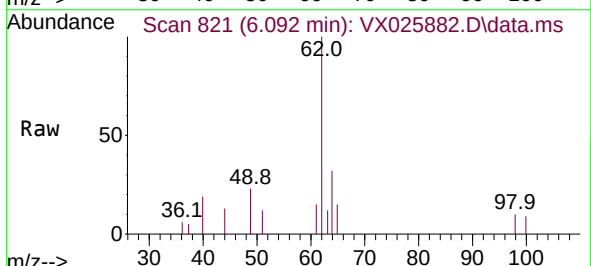


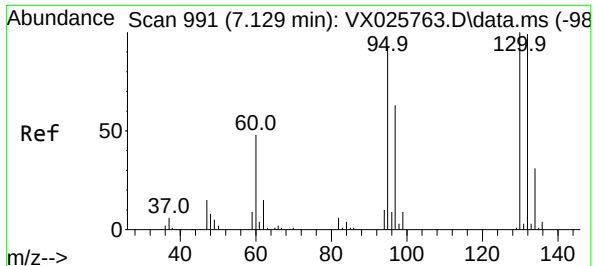
Tgt Ion:117 Resp: 15095
Ion Ratio Lower Upper
117 100
119 6.0 77.2 115.8#
121 0.0 23.8 35.8#



#42
1,2-Dichloroethane
Concen: 1.143 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.000 min
Lab File: VX025882.D
Acq: 17 Dec 2021 13:55

Tgt Ion: 62 Resp: 2988
Ion Ratio Lower Upper
62 100
98 6.0 0.0 18.8

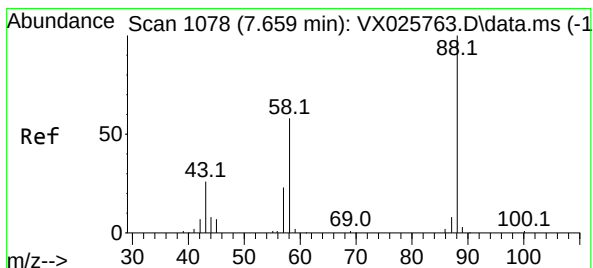
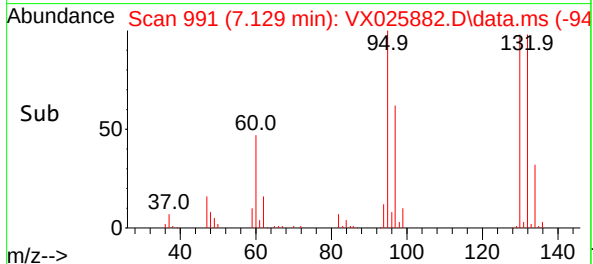
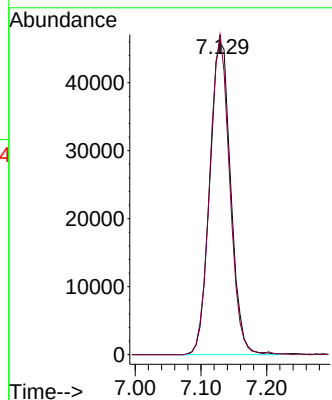
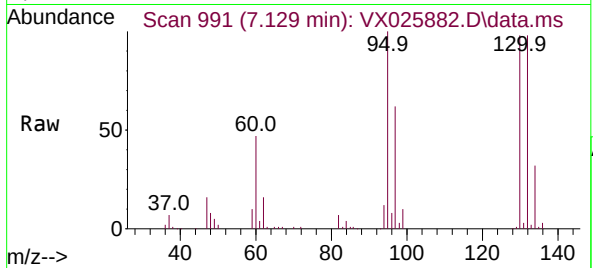




#44
Trichloroethene
Concen: 53.375 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX025882.D
Acq: 17 Dec 2021 13:55

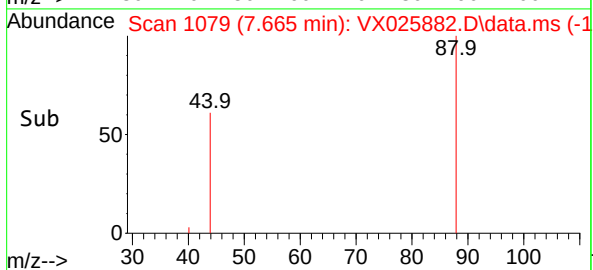
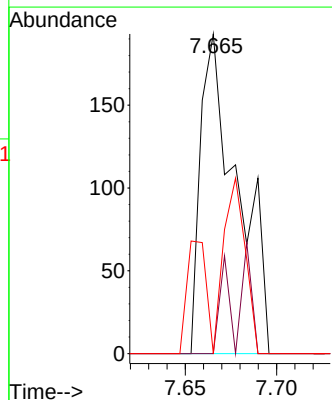
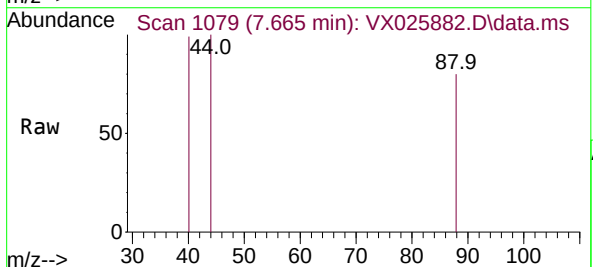
Instrument :
MSVOA_X
ClientSampleId :

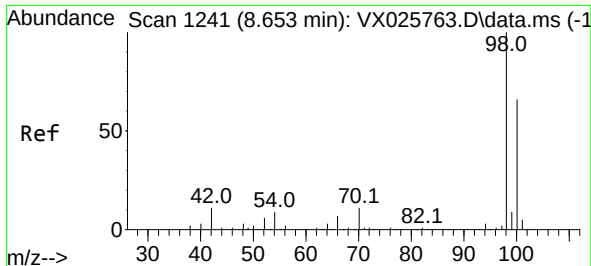
Tgt Ion:130 Resp: 102202
Ion Ratio Lower Upper
130 100
95 102.4 0.0 186.4



#49
1,4-Dioxane
Concen: 6.387 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX025882.D
Acq: 17 Dec 2021 13:55

Tgt Ion: 88 Resp: 271
Ion Ratio Lower Upper
88 100
43 8.1 25.3 37.9#
58 32.1 51.8 77.6#

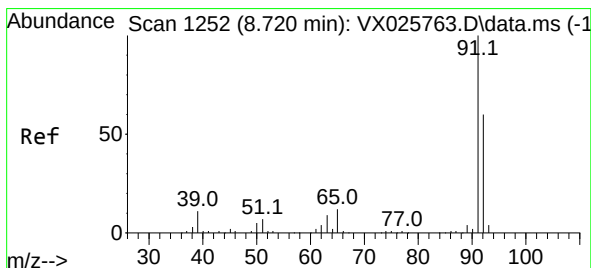
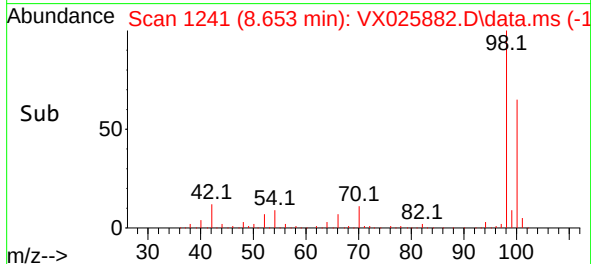
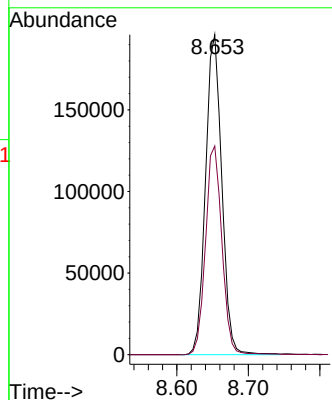
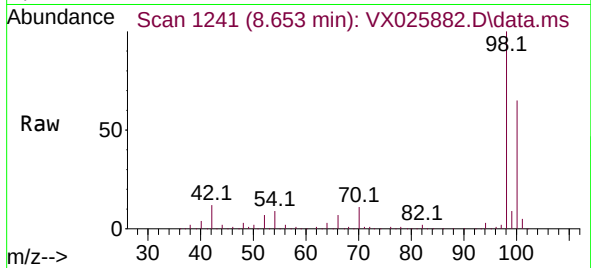




#50
Toluene-d8
Concen: 49.999 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025882.D
Acq: 17 Dec 2021 13:55

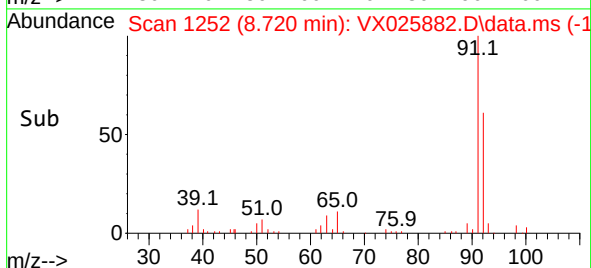
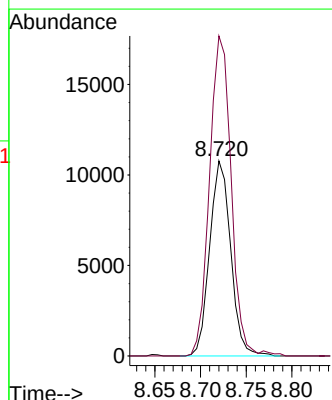
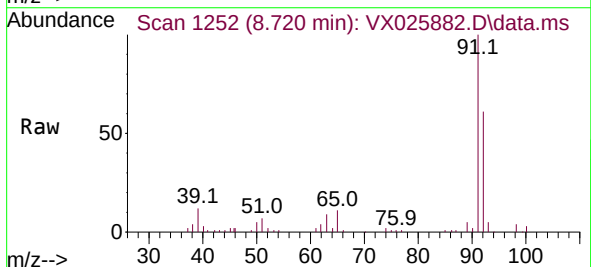
Instrument :
MSVOA_X
ClientSampleId :

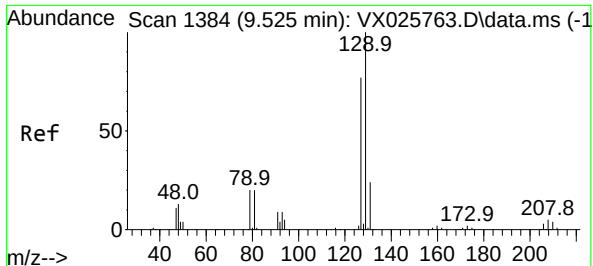
Tgt Ion: 98 Resp: 309728
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#52
Toluene
Concen: 3.939 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX025882.D
Acq: 17 Dec 2021 13:55

Tgt Ion: 92 Resp: 17260
Ion Ratio Lower Upper
92 100
91 168.7 136.0 204.0

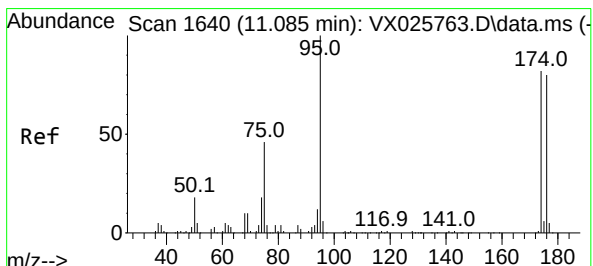
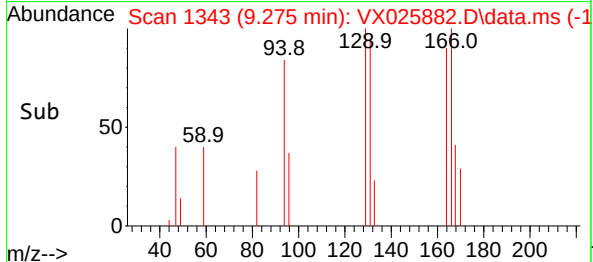
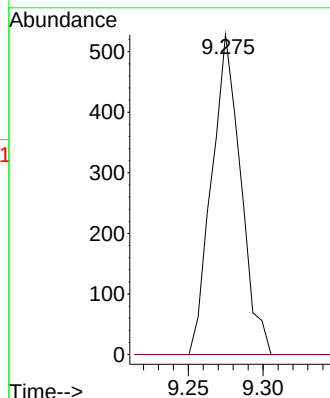
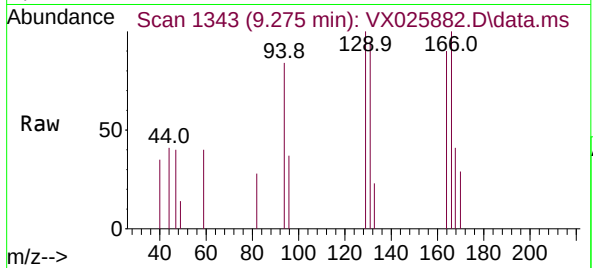




#60
Dibromochloromethane
Concen: 0.335 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX025882.D
Acq: 17 Dec 2021 13:55

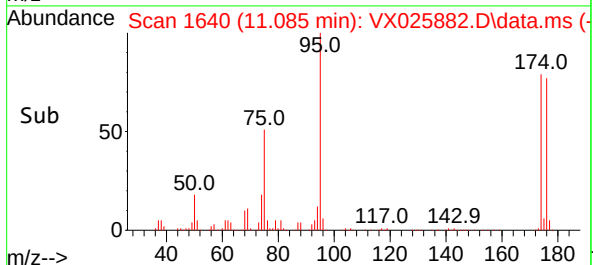
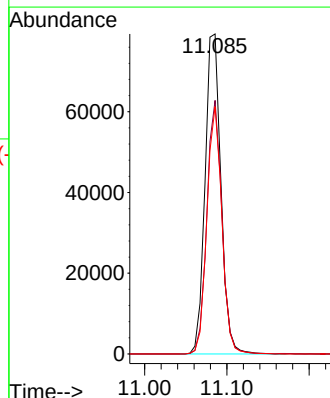
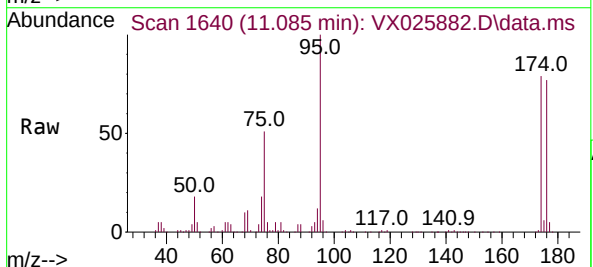
Instrument :
MSVOA_X
ClientSampleId :

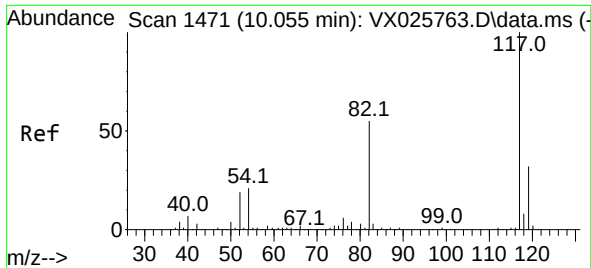
Tgt Ion:129 Resp: 714
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#



#62
4-Bromofluorobenzene
Concen: 45.123 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX025882.D
Acq: 17 Dec 2021 13:55

Tgt Ion: 95 Resp: 106181
Ion Ratio Lower Upper
95 100
174 75.2 0.0 157.4
176 73.2 0.0 154.6

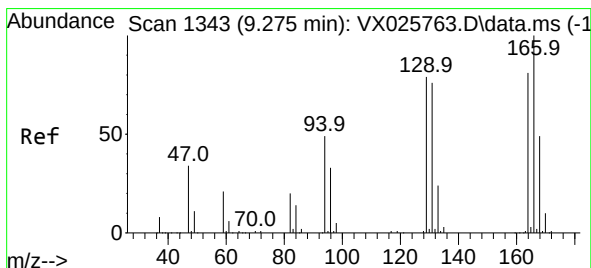
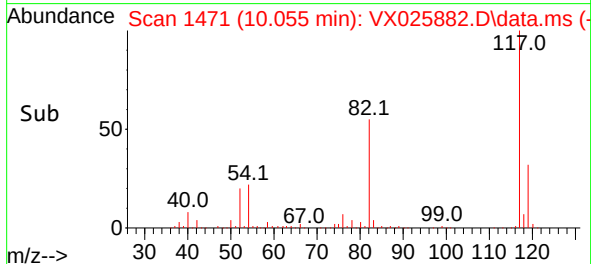
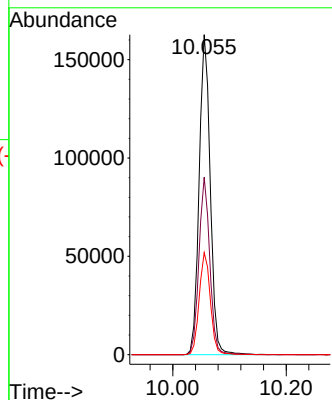
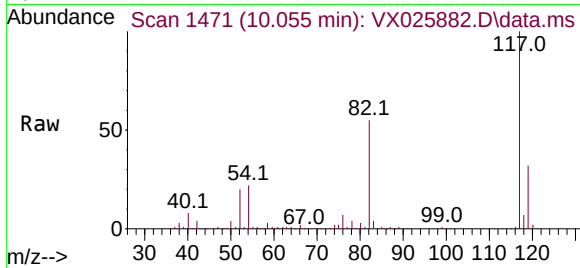




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025882.D
Acq: 17 Dec 2021 13:55

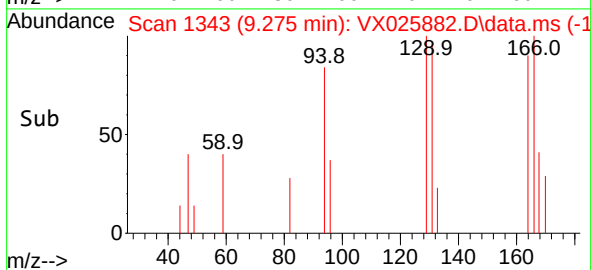
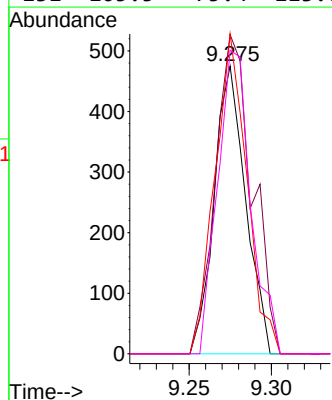
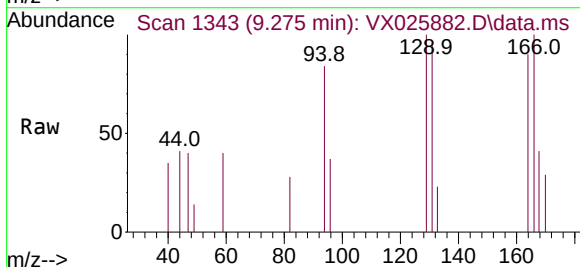
Instrument :
MSVOA_X
ClientSampleId :

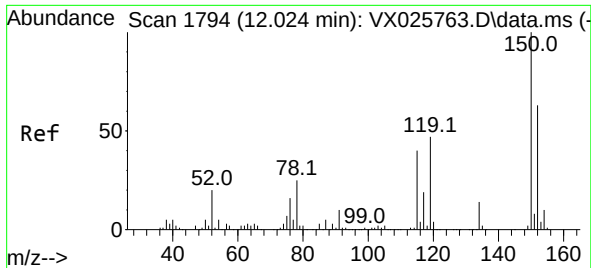
Tgt Ion:117 Resp: 220574
Ion Ratio Lower Upper
117 100
82 55.4 43.8 65.6
119 31.9 25.2 37.8



#64
Tetrachloroethene
Concen: 0.357 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX025882.D
Acq: 17 Dec 2021 13:55

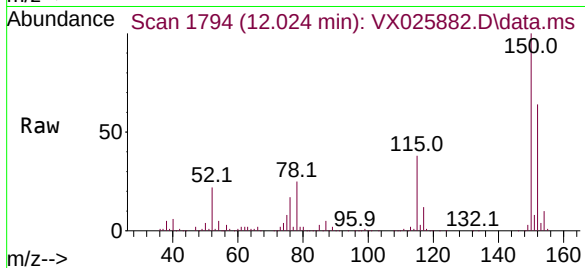
Tgt Ion:164 Resp: 629
Ion Ratio Lower Upper
164 100
166 110.9 99.4 149.0
129 111.2 78.6 118.0
131 105.5 75.4 113.0



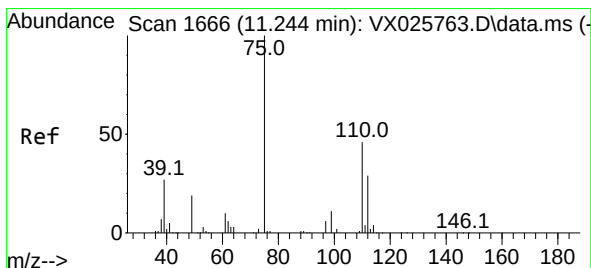
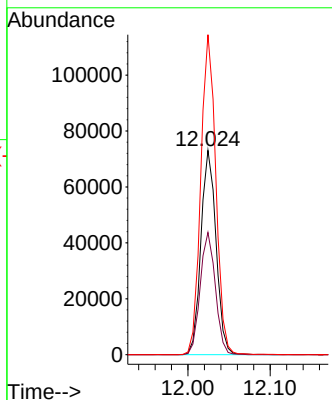
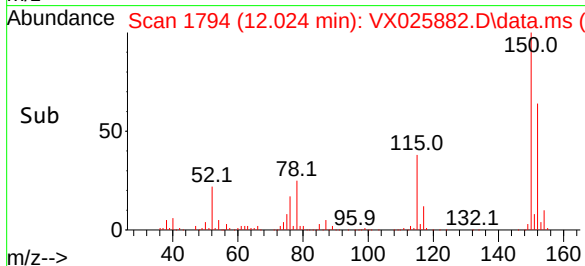


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX025882.D
 Acq: 17 Dec 2021 13:55

Instrument :
 MSVOA_X
 ClientSampleId :

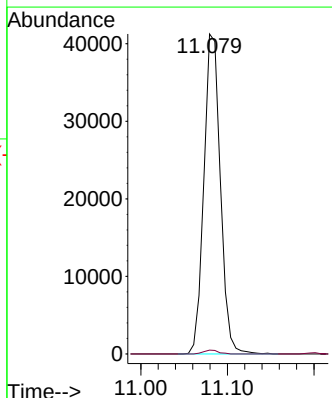
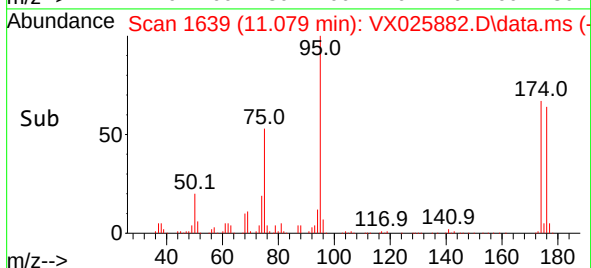
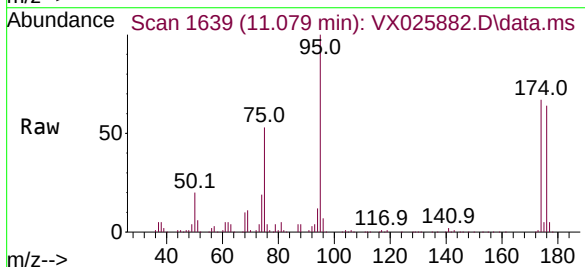


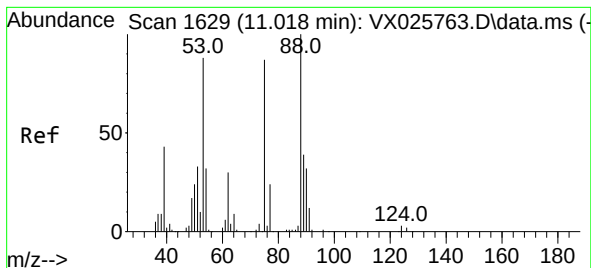
Tgt Ion:152 Resp: 93441
 Ion Ratio Lower Upper
 152 100
 115 59.9 41.3 123.9
 150 155.7 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 25.509 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX025882.D
 Acq: 17 Dec 2021 13:55

Tgt Ion: 75 Resp: 54612
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.0 57.0#

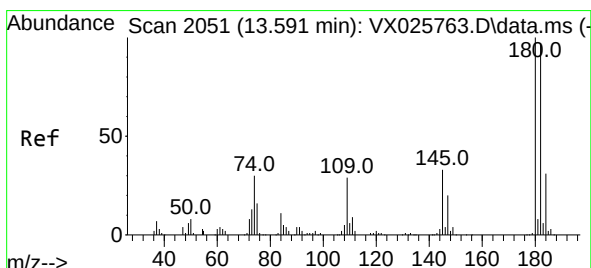
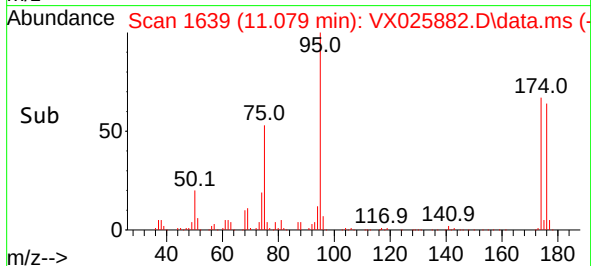
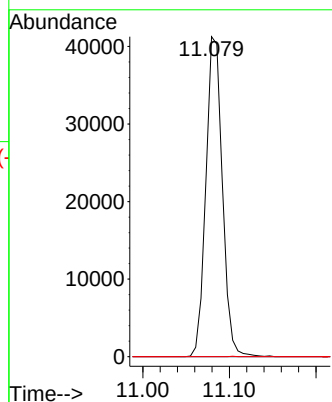
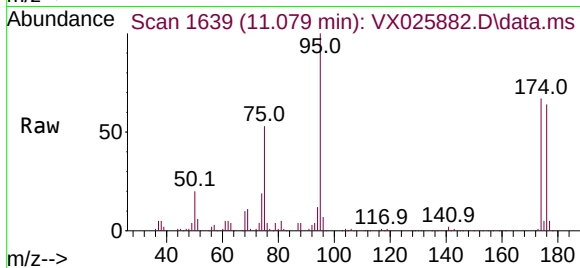




#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.085 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX025882.D
 Acq: 17 Dec 2021 13:55

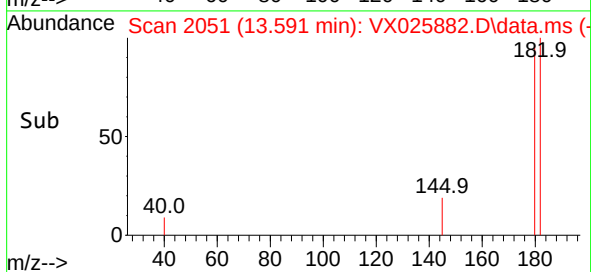
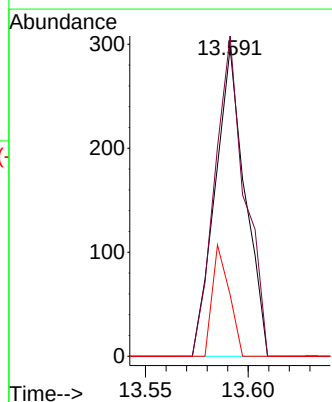
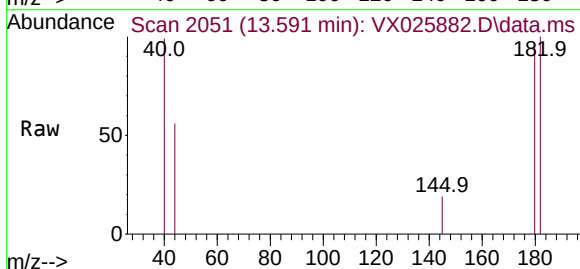
Instrument :
 MSVOA_X
 ClientSampleId :

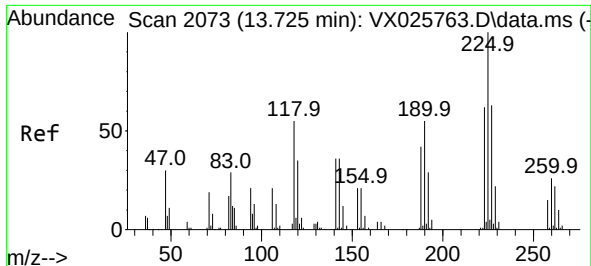
Tgt Ion: 75 Resp: 54612
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 38.3 57.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.520 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.000 min
 Lab File: VX025882.D
 Acq: 17 Dec 2021 13:55

Tgt Ion:180 Resp: 300
 Ion Ratio Lower Upper
 180 100
 182 104.3 47.2 141.6
 145 20.3 16.3 48.9

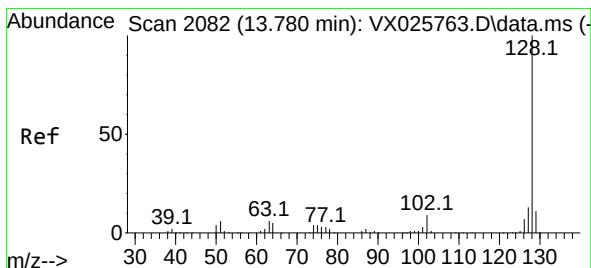
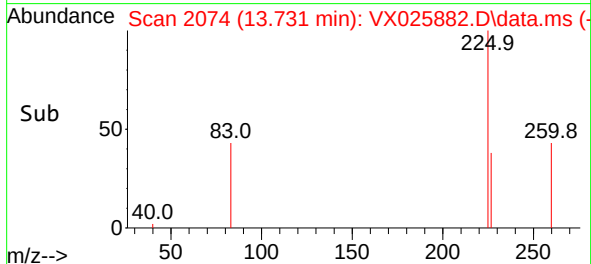
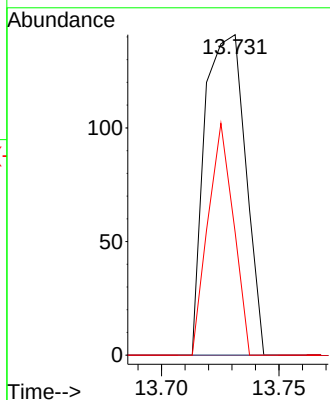
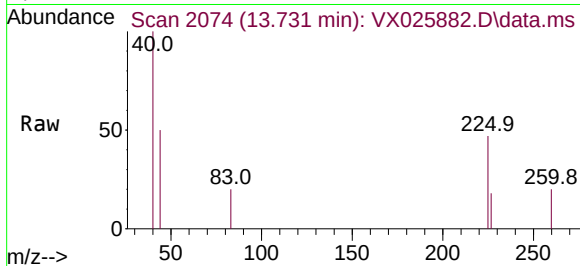




#94
Hexachlorobutadiene
Concen: 0.257 ug/l
RT: 13.731 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX025882.D
Acq: 17 Dec 2021 13:55

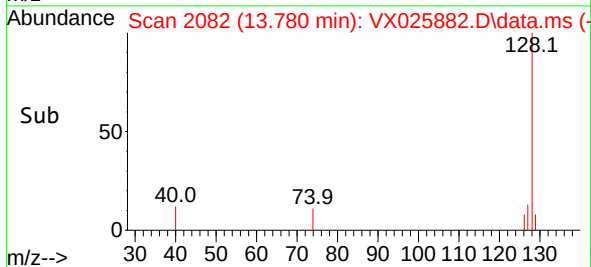
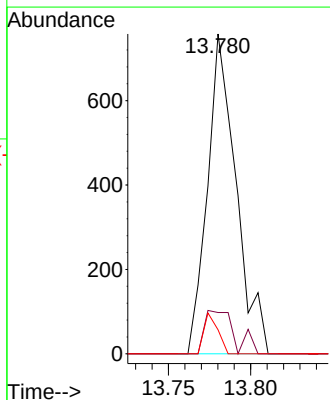
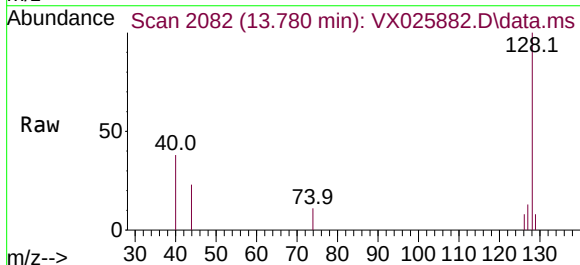
Instrument :
MSVOA_X
ClientSampleId :

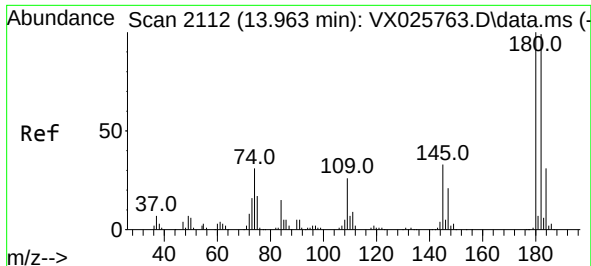
Tgt Ion:225 Resp: 169
Ion Ratio Lower Upper
225 100
223 0.0 31.6 95.0#
227 45.6 32.5 97.5



#95
Naphthalene
Concen: 2.548 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX025882.D
Acq: 17 Dec 2021 13:55

Tgt Ion:128 Resp: 916
Ion Ratio Lower Upper
128 100
127 14.3 10.3 15.5
129 6.1 8.8 13.2#





#96

1,2,3-Trichlorobenzene

Concen: 3.144 ug/l

RT: 13.957 min Scan# 21

Delta R.T. -0.006 min

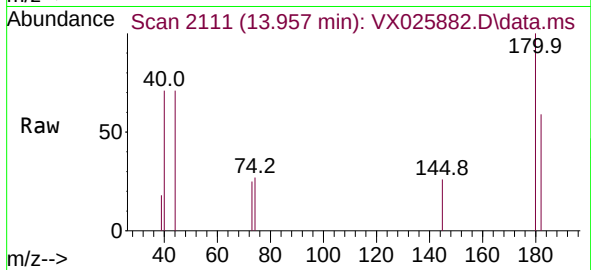
Lab File: VX025882.D

Acq: 17 Dec 2021 13:55

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 295

Ion Ratio Lower Upper

180 100

182 96.9 47.5 142.6

145 9.2 16.7 50.1#

