

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025816.D
 Acq On : 15 Dec 2021 15:52
 Operator : JC/MD
 Sample : M4988-11DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20211207DL

Quant Time: Dec 16 07:29:57 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)

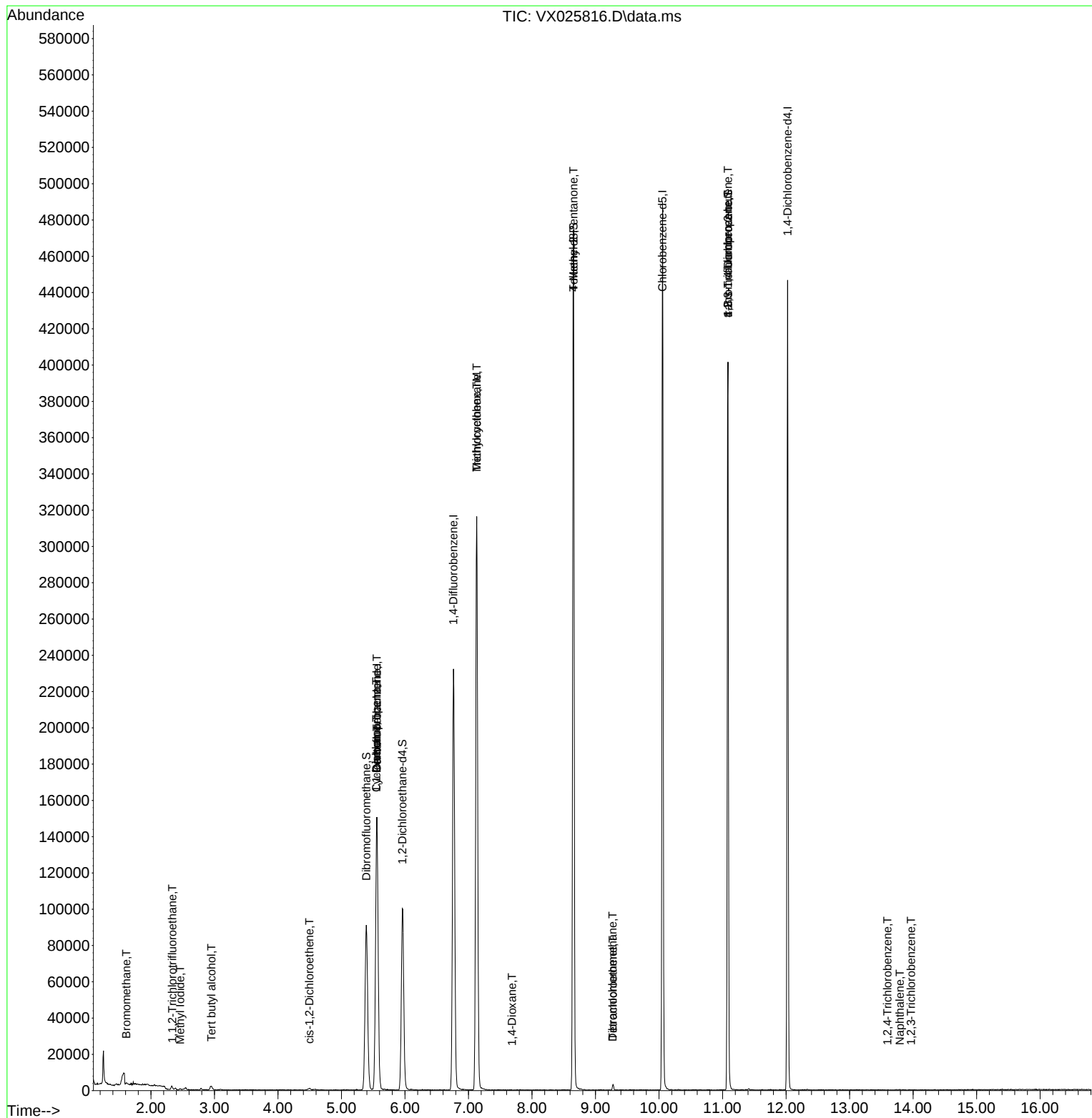
Internal Standards						
1) Pentafluorobenzene	5.556	168	138938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	239053	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	219143	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	94217	47.130	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.260%		
35) Dibromofluoromethane	5.391	113	78886	47.317	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.640%		
50) Toluene-d8	8.653	98	284501	46.836	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.680%		
62) 4-Bromofluorobenzene	11.085	95	108793	47.149	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.300%		
Target Compounds					Qvalue	
5) Bromomethane	1.611	94	556	0.452	ug/l #	69
9) 1,1,2-Trichlorotrifluo...	2.337	101	692	0.468	ug/l	96
10) Methyl Iodide	2.459	142	540	0.286	ug/l #	89
11) Tert butyl alcohol	2.953	59	1369	3.414	ug/l #	73
16) Acetone	2.386	43	925	Below Cal		99
20) Methylene Chloride	2.794	84	304	Below Cal	#	79
27) cis-1,2-Dichloroethene	4.495	96	623	0.320	ug/l	68
31) Cyclohexane	5.550	56	3038	1.250	ug/l #	41
36) 1,1-Dichloropropene	5.550	75	11341	5.016	ug/l #	49
38) Carbon Tetrachloride	5.556	117	15280	5.809	ug/l #	17
39) Methylcyclohexane	7.129	83	1597	0.631	ug/l #	1
44) Trichloroethene	7.129	130	121334	64.622	ug/l	96
49) 1,4-Dioxane	7.684	88	22	0.529	ug/l #	12
51) 4-Methyl-2-Pentanone	8.653	43	1214	0.458	ug/l #	1
60) Dibromochloromethane	9.269	129	578	0.276	ug/l #	11
64) Tetrachloroethene	9.275	164	540	0.309	ug/l	93
76) 1,2,3-Trichloropropane	11.085	75	56074	26.640	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	56074	82.592	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.597	180	50	3.396	ug/l #	13
95) Naphthalene	13.792	128	171	2.437	ug/l #	69
96) 1,2,3-Trichlorobenzene	13.969	180	50	3.019	ug/l #	12

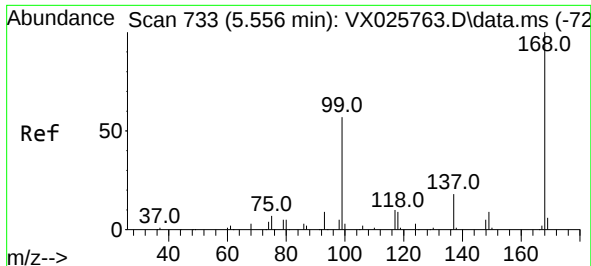
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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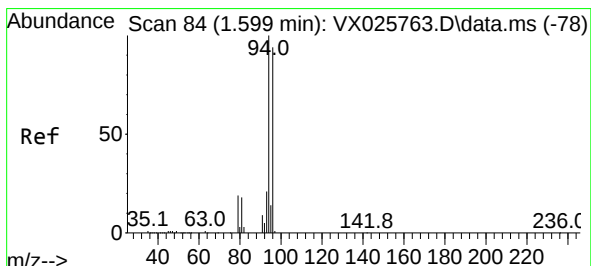
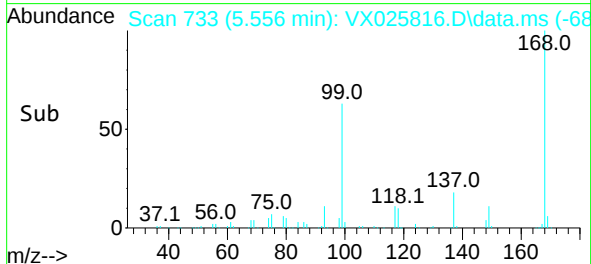
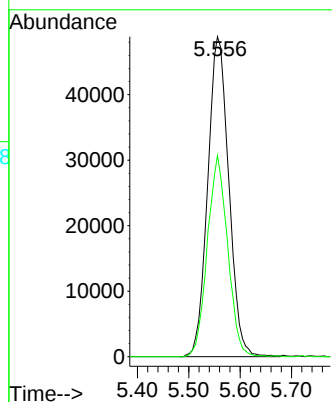
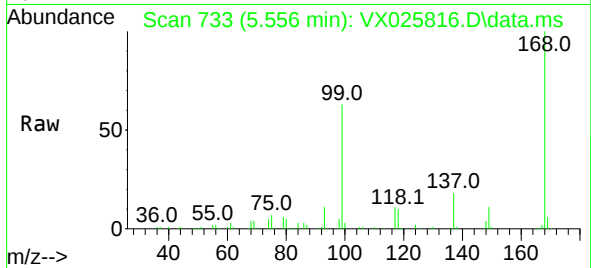




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025816.D
Acq: 15 Dec 2021 15:52

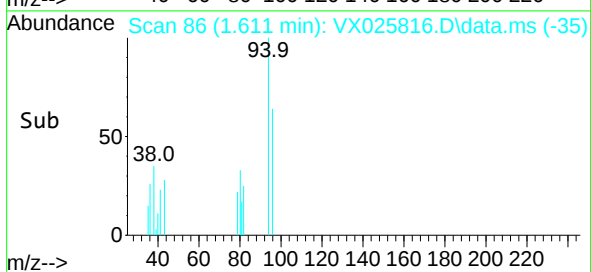
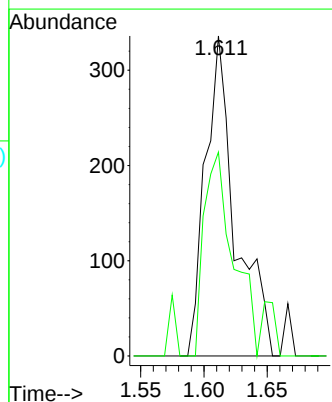
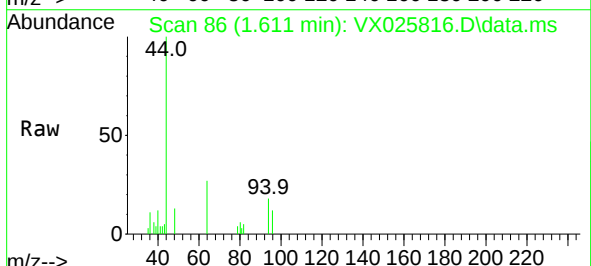
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20211207DL

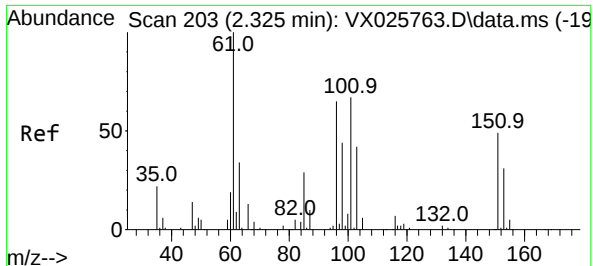
Tgt Ion:168 Resp: 138938
Ion Ratio Lower Upper
168 100
99 62.9 45.8 68.8



#5
Bromomethane
Concen: 0.452 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX025816.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 94 Resp: 556
Ion Ratio Lower Upper
94 100
96 63.7 75.0 112.4#

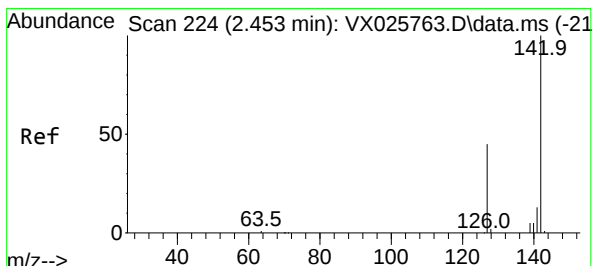
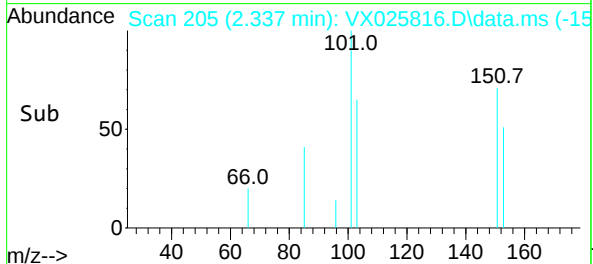
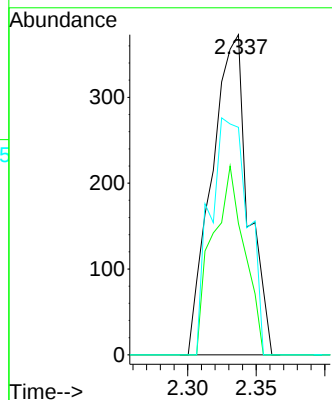
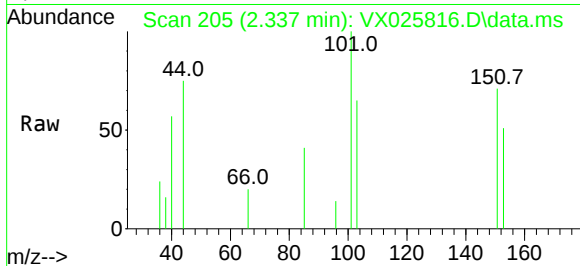




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.468 ug/l
RT: 2.337 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX025816.D
Acq: 15 Dec 2021 15:52

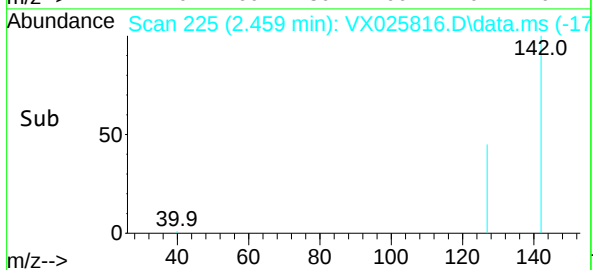
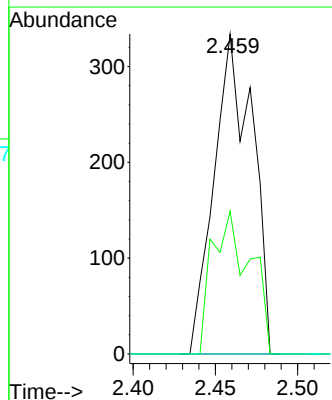
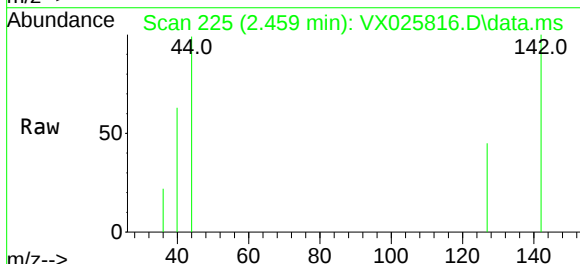
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20211207DL

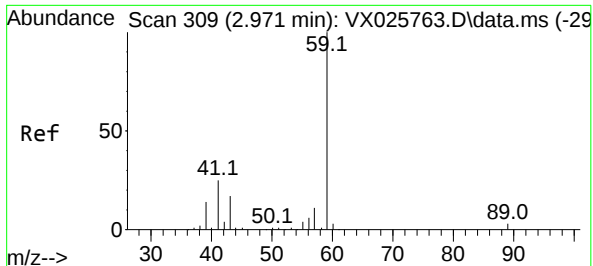
Tgt Ion:101 Resp: 692
Ion Ratio Lower Upper
101 100
85 51.4 36.5 54.7
151 76.3 60.6 90.8



#10
Methyl Iodide
Concen: 0.286 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX025816.D
Acq: 15 Dec 2021 15:52

Tgt Ion:142 Resp: 540
Ion Ratio Lower Upper
142 100
127 44.4 37.5 56.3
141 0.0 11.4 17.0#





#11

Tert butyl alcohol

Concen: 3.414 ug/l

RT: 2.953 min Scan# 309

Delta R.T. -0.018 min

Lab File: VX025816.D

Acq: 15 Dec 2021 15:52

Instrument :

MSVOA_X

ClientSampleId :

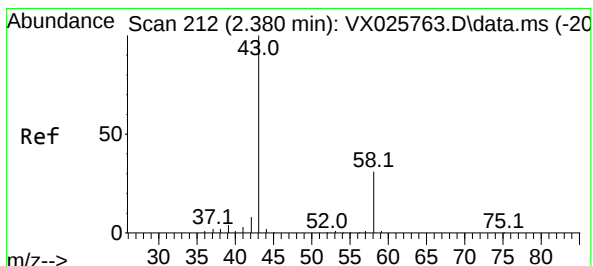
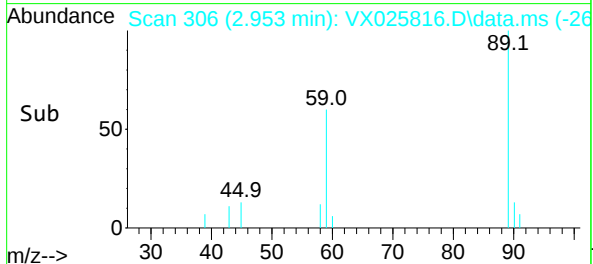
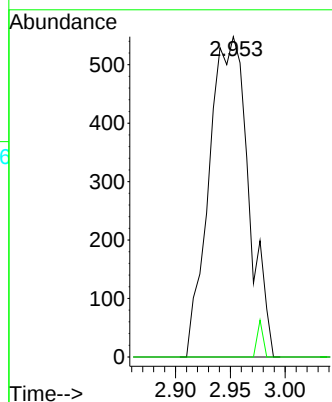
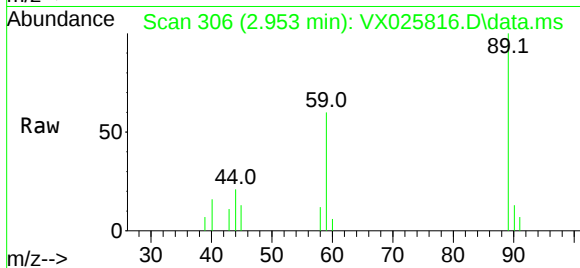
RE122D1-20211207DL

Tgt Ion: 59 Resp: 1369

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: Below Cal

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX025816.D

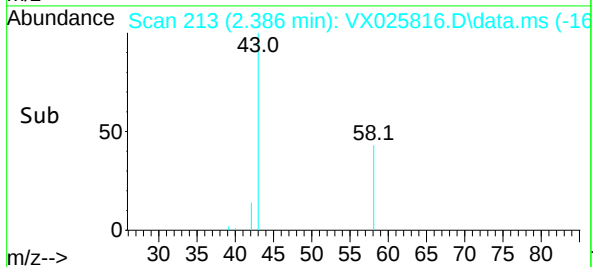
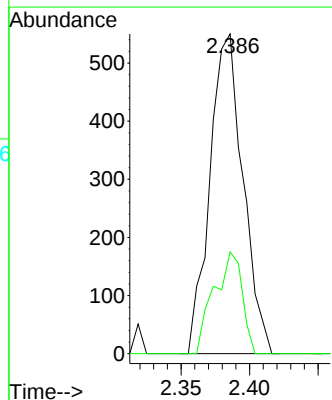
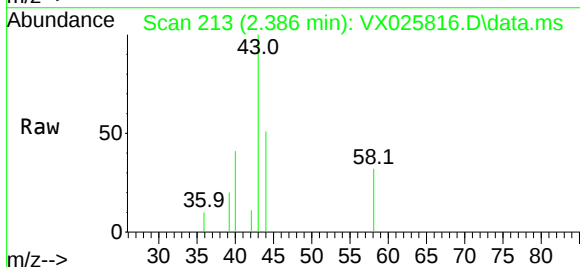
Acq: 15 Dec 2021 15:52

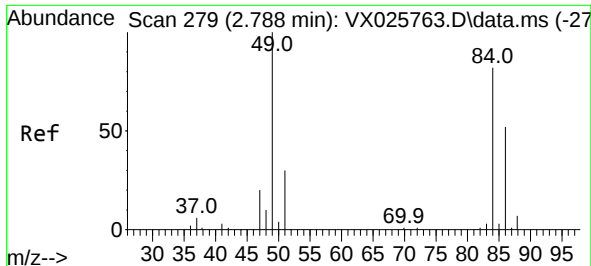
Tgt Ion: 43 Resp: 925

Ion Ratio Lower Upper

43 100

58 31.8 24.8 37.2

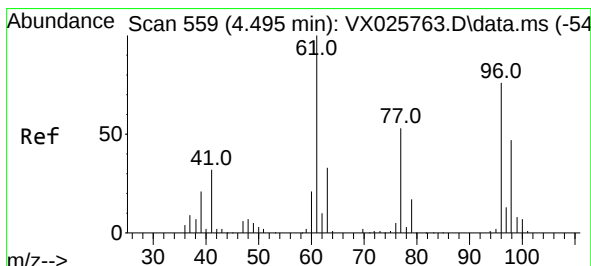
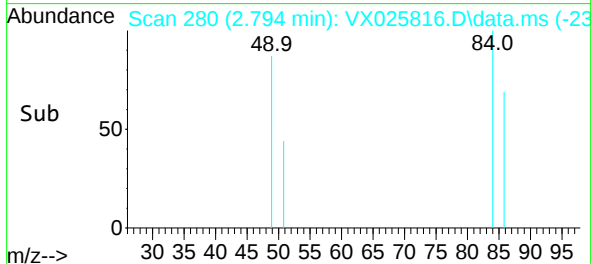
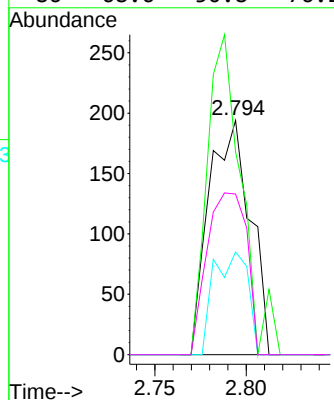
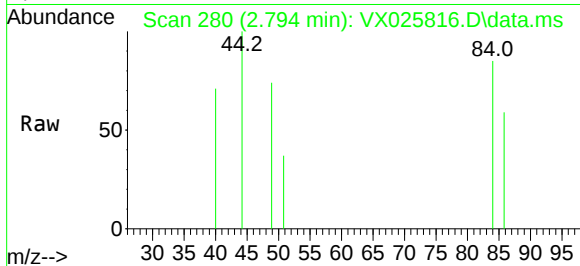




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025816.D
Acq: 15 Dec 2021 15:52

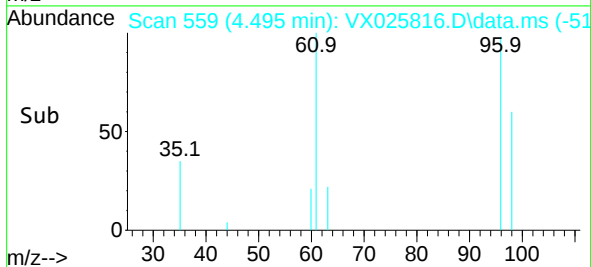
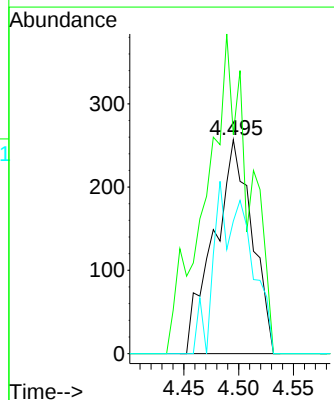
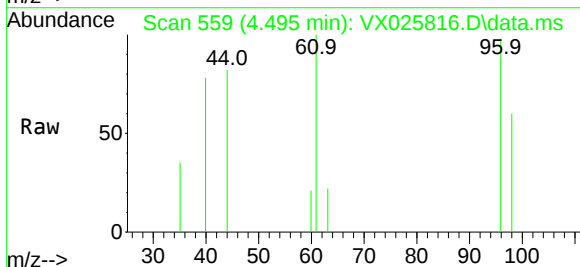
Instrument :
MSVOA_X
ClientSampleId :
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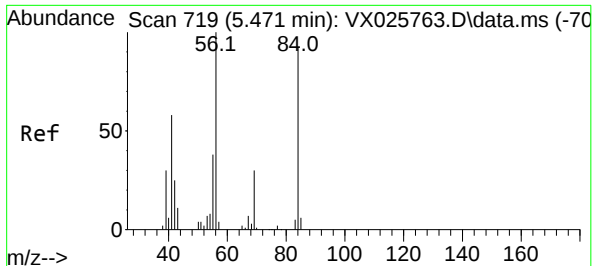
Tgt Ion: 84	Resp: 304
Ion Ratio	Lower Upper
84 100	
49 86.6	97.1 145.7#
51 43.8	29.3 43.9
86 68.6	50.8 76.2



#27
cis-1,2-Dichloroethene
Concen: 0.320 ug/l
RT: 4.495 min Scan# 559
Delta R.T. -0.000 min
Lab File: VX025816.D
Acq: 15 Dec 2021 15:52

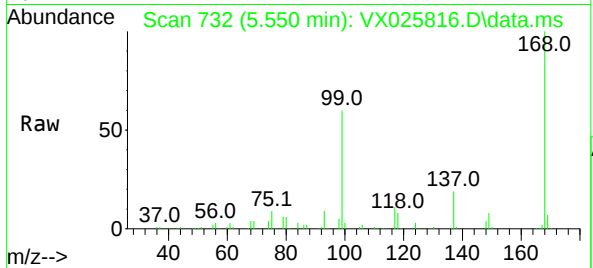
Tgt Ion: 96	Resp:	623	
Ion	Ratio	Lower	Upper
96	100		
61	170.0	0.0	276.8
98	30.5	0.0	130.6





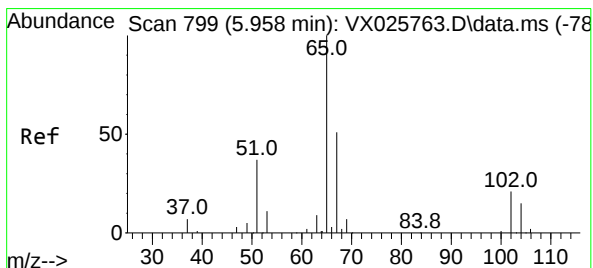
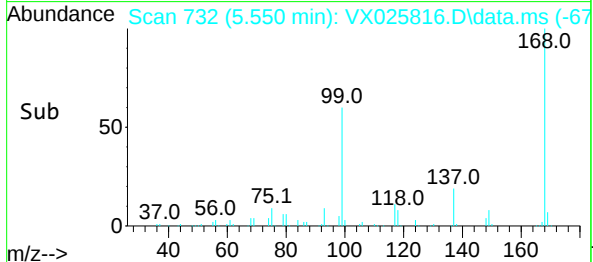
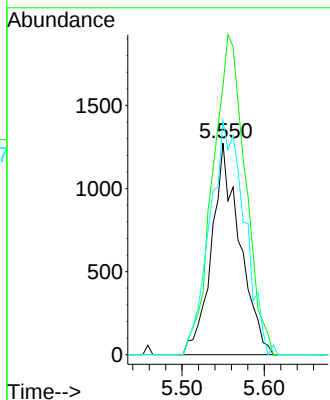
#31
Cyclohexane
Concen: 1.250 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX025816.D
Acq: 15 Dec 2021 15:52

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20211207DL



Tgt Ion: 56 Resp: 3038

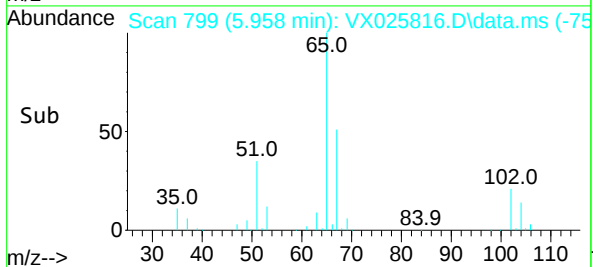
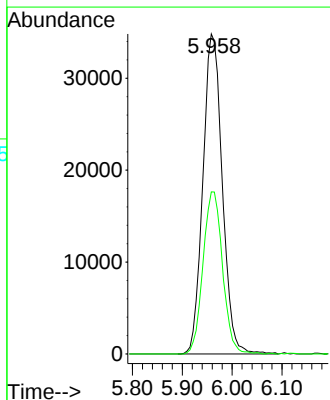
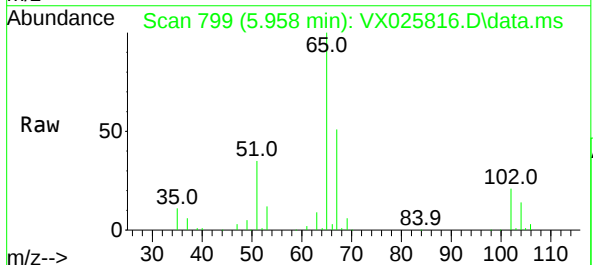
Ion	Ratio	Lower	Upper
56	100		
69	127.0	23.9	35.9#
84	110.4	73.2	109.8#

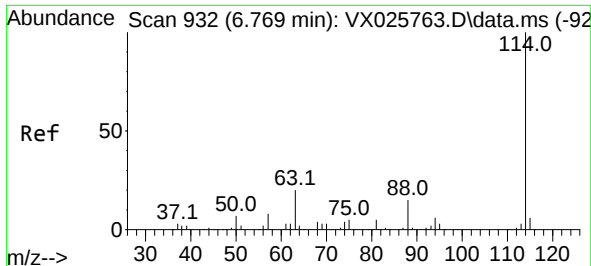


#33
1,2-Dichloroethane-d4
Concen: 47.130 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX025816.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 65 Resp: 94217

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	103.4

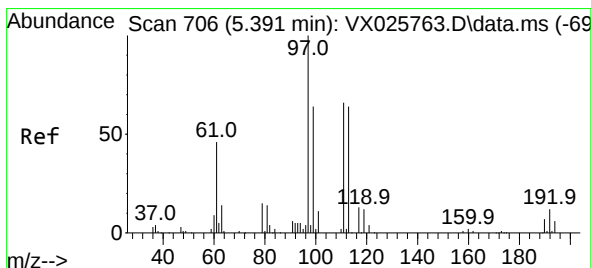
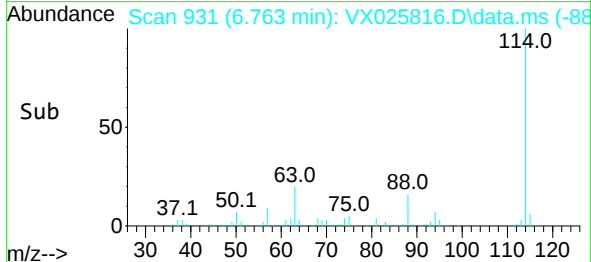
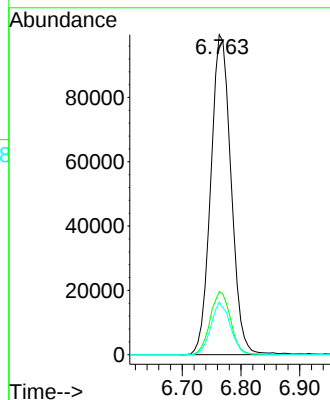
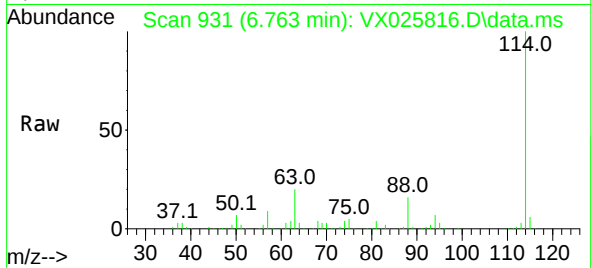




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX025816.D
Acq: 15 Dec 2021 15:52

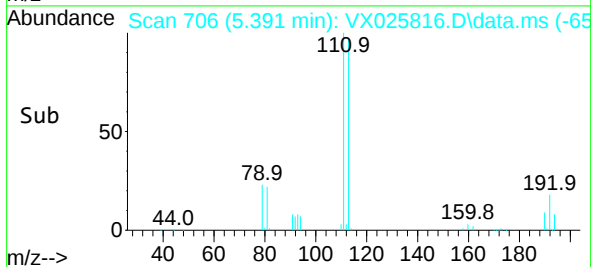
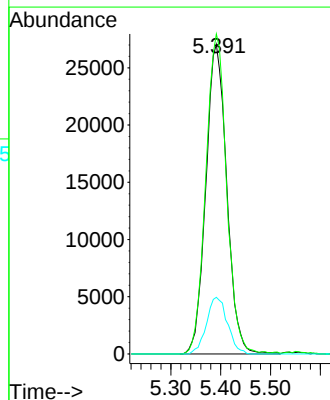
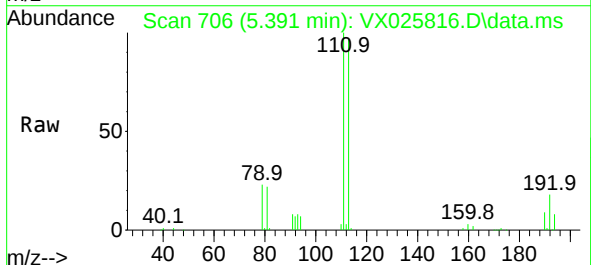
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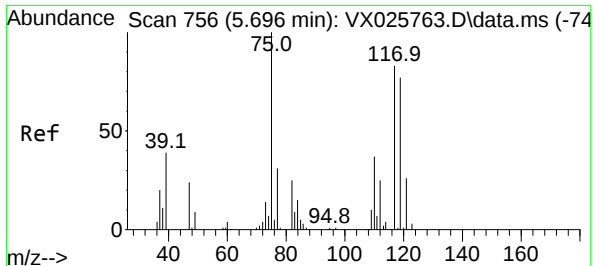
Tgt Ion:114 Resp: 239053
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.0
88 16.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.317 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025816.D
Acq: 15 Dec 2021 15:52

Tgt Ion:113 Resp: 78886
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.8
192 18.3 15.0 22.4

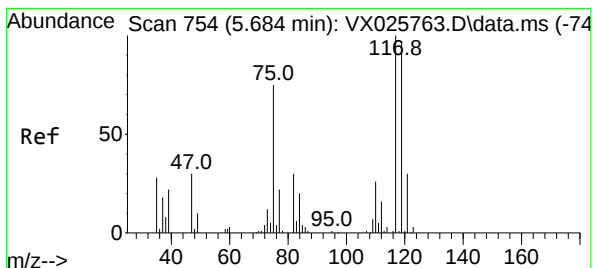
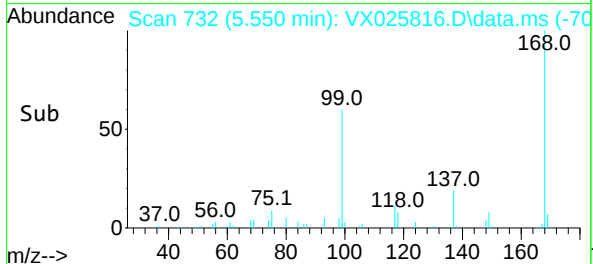
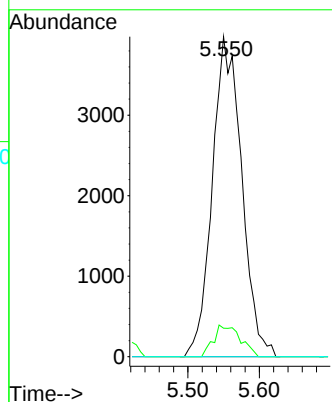
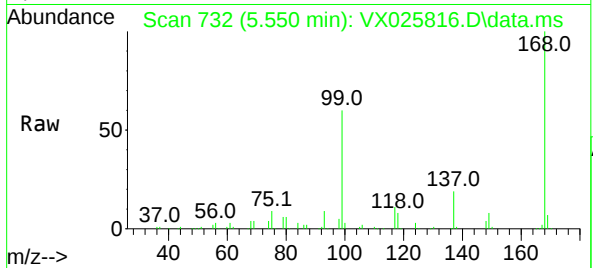




#36
1,1-Dichloropropene
Concen: 5.016 ug/l
RT: 5.550 min Scan# 713
Delta R.T. -0.146 min
Lab File: VX025816.D
Acq: 15 Dec 2021 15:52

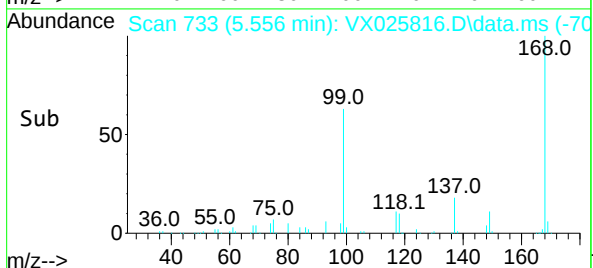
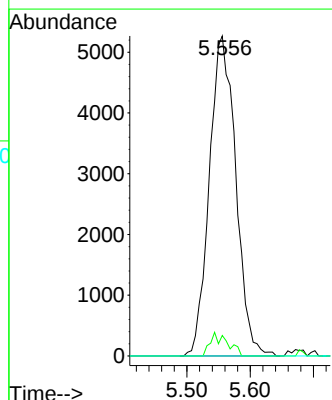
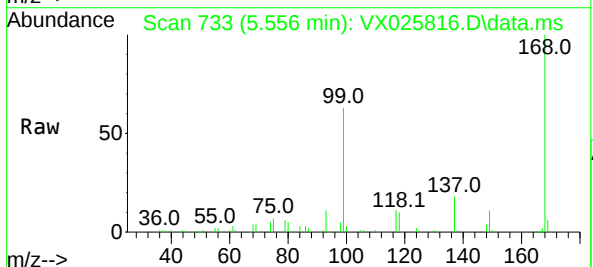
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20211207DL

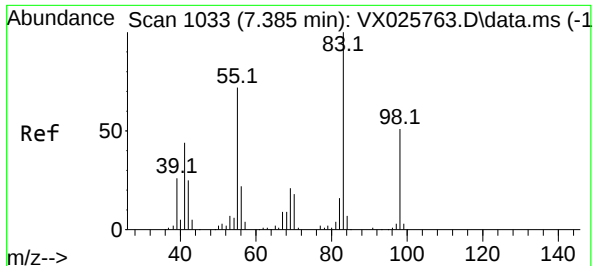
Tgt Ion: 75 Resp: 11341
Ion Ratio Lower Upper
75 100
110 9.0 18.2 54.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.809 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX025816.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 117 Resp: 15280
Ion Ratio Lower Upper
117 100
119 6.4 77.2 115.8#
121 0.0 23.8 35.8#





#39

Methylcyclohexane

Concen: 0.631 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX025816.D

Acq: 15 Dec 2021 15:52

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20211207DL

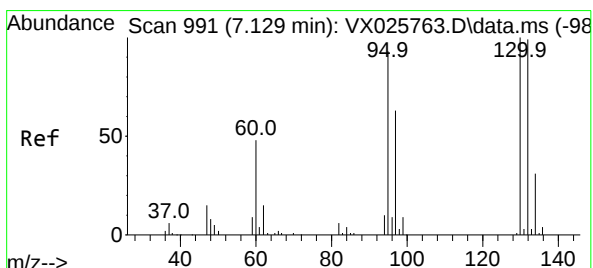
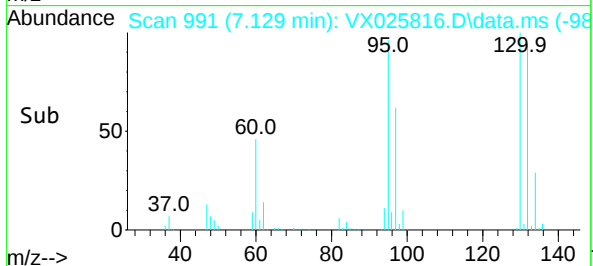
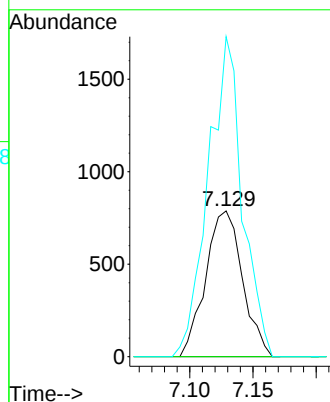
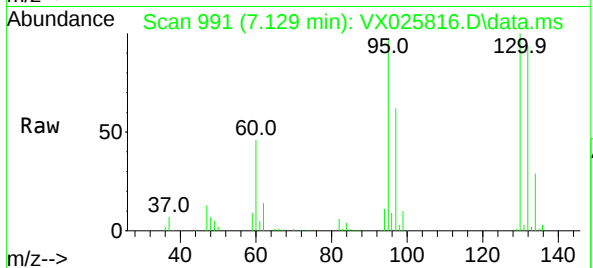
Tgt Ion: 83 Resp: 1597

Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.8#

98 219.5 40.5 60.7#



#44

Trichloroethene

Concen: 64.622 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX025816.D

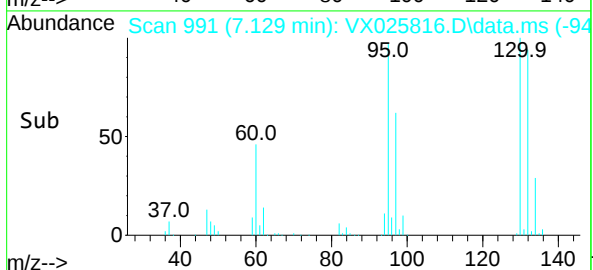
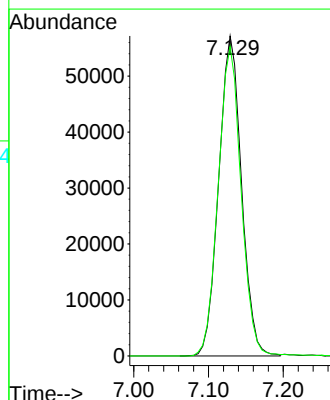
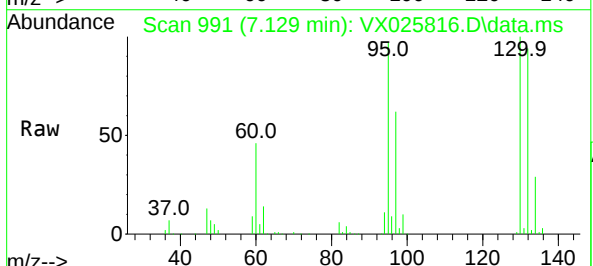
Acq: 15 Dec 2021 15:52

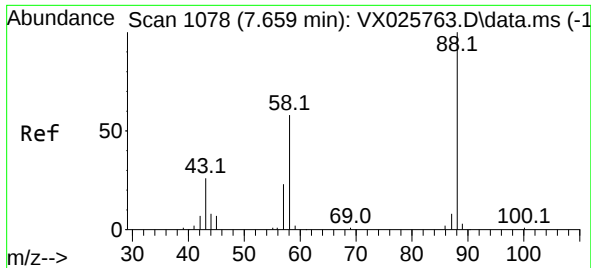
Tgt Ion:130 Resp: 121334

Ion Ratio Lower Upper

130 100

95 96.7 0.0 186.4

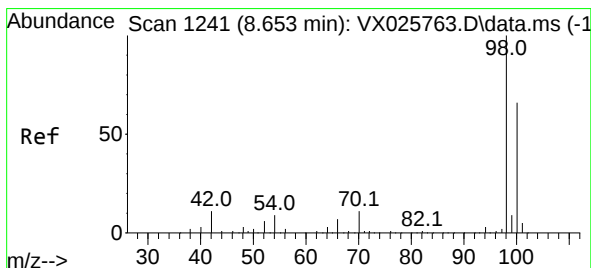
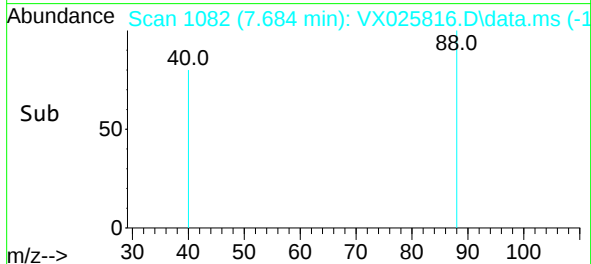
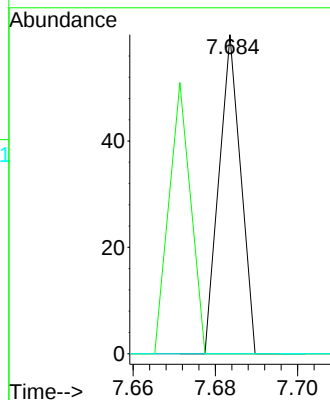
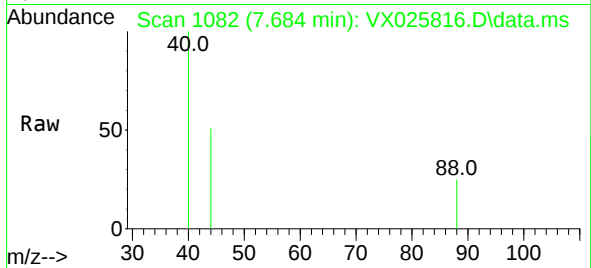




#49
1,4-Dioxane
Concen: 0.529 ug/l
RT: 7.684 min Scan# 1078
Delta R.T. 0.024 min
Lab File: VX025816.D
Acq: 15 Dec 2021 15:52

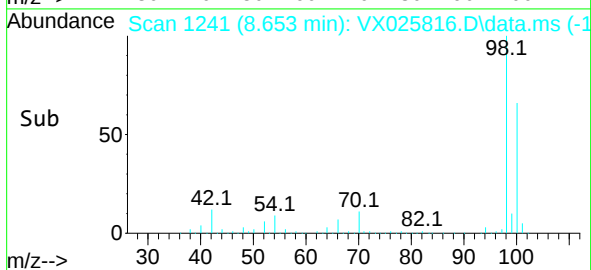
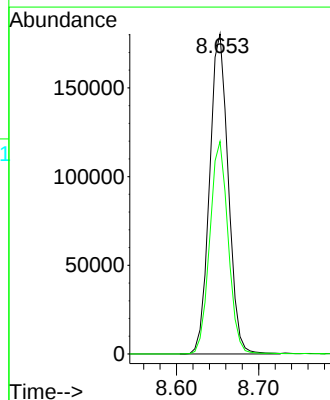
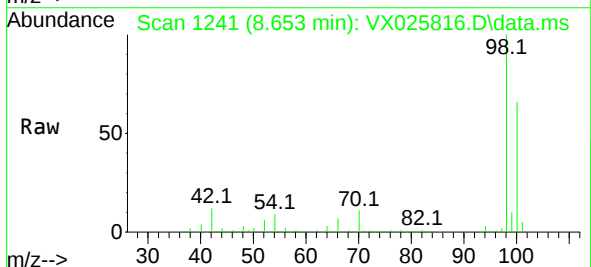
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20211207DL

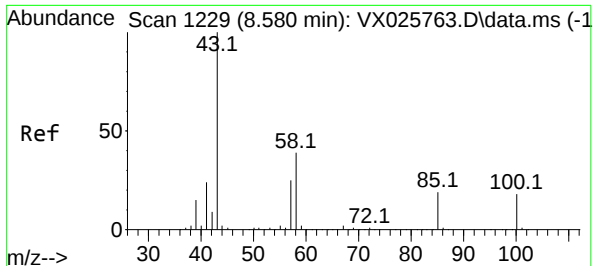
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 86.4 25.3 37.9#
58 0.0 51.8 77.6#



#50
Toluene-d8
Concen: 46.836 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025816.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 98 Resp: 284501
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8

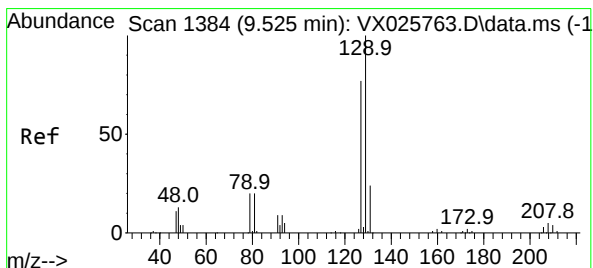
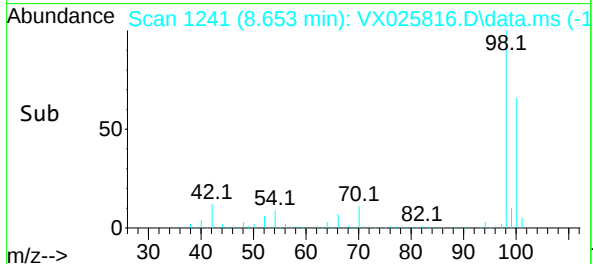
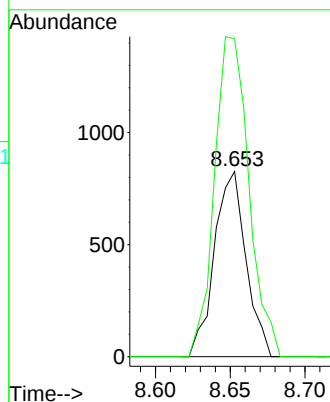
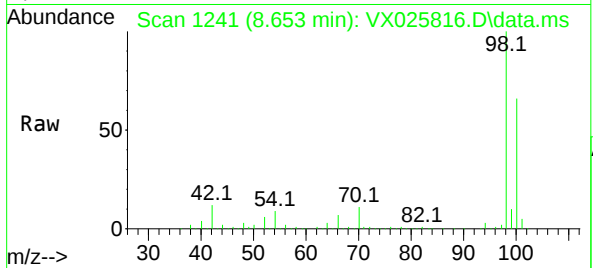




#51
4-Methyl-2-Pentanone
Concen: 0.458 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX025816.D
Acq: 15 Dec 2021 15:52

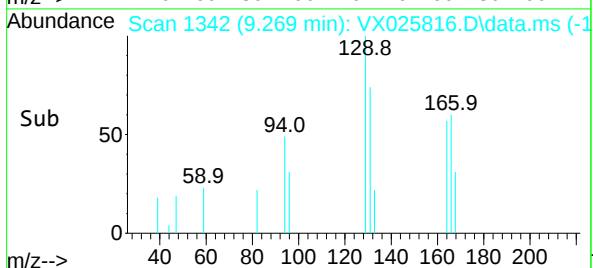
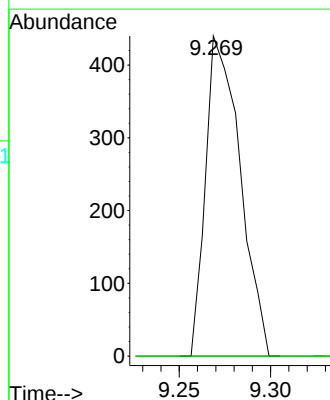
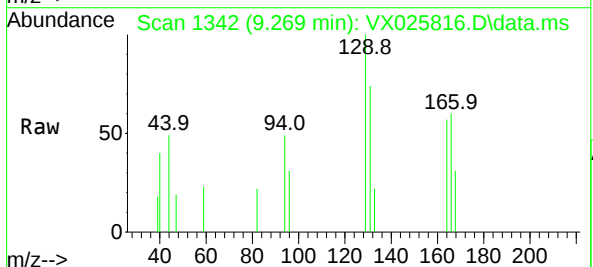
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20211207DL

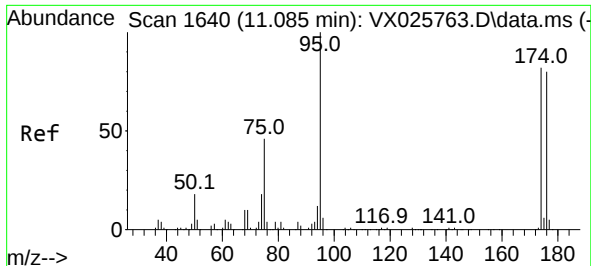
Tgt Ion: 43 Resp: 1214
Ion Ratio Lower Upper
43 100
58 188.6 30.8 46.2#



#60
Dibromochloromethane
Concen: 0.276 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.256 min
Lab File: VX025816.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 129 Resp: 578
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#

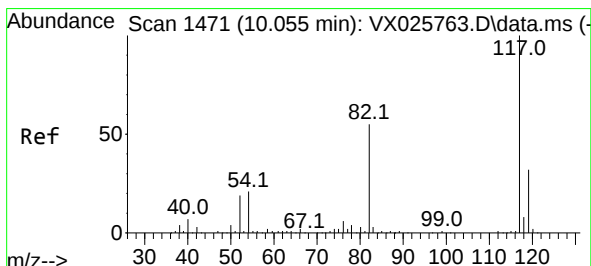
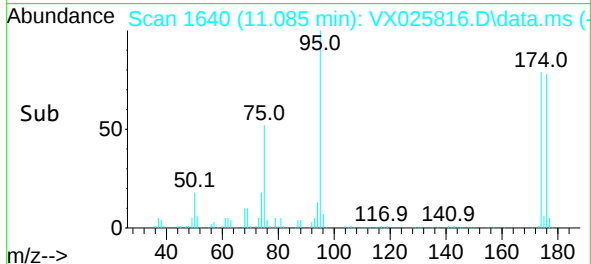
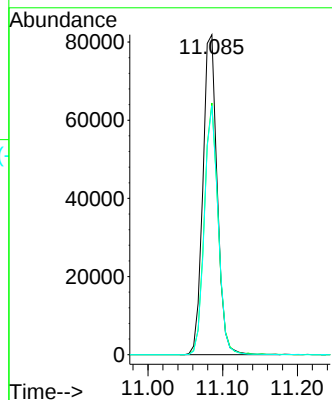
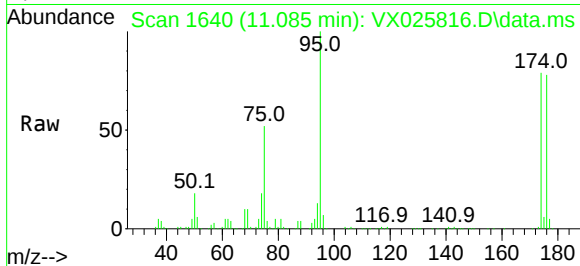




#62
4-Bromofluorobenzene
Concen: 47.149 ug/l
RT: 11.085 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX025816.D
Acq: 15 Dec 2021 15:52

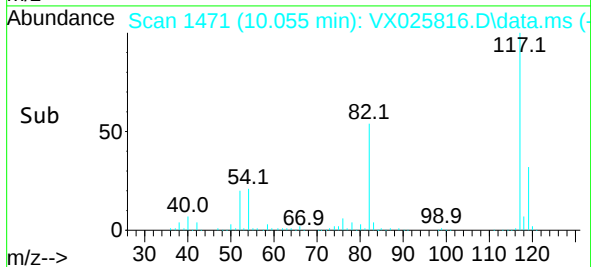
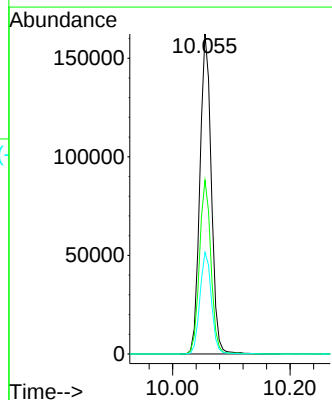
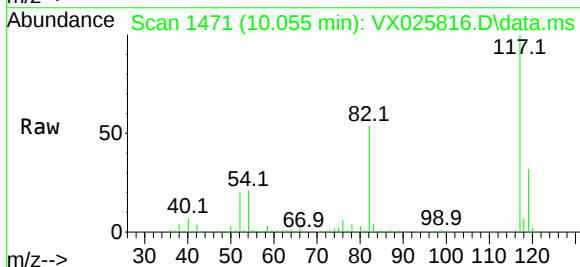
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20211207DL

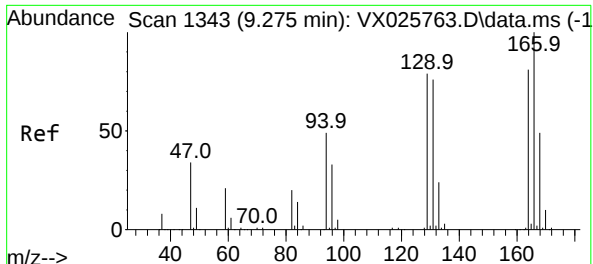
Tgt Ion: 95 Resp: 108793
Ion Ratio Lower Upper
95 100
174 76.1 0.0 157.4
176 75.1 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025816.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 117 Resp: 219143
Ion Ratio Lower Upper
117 100
82 54.3 43.8 65.6
119 31.8 25.2 37.8



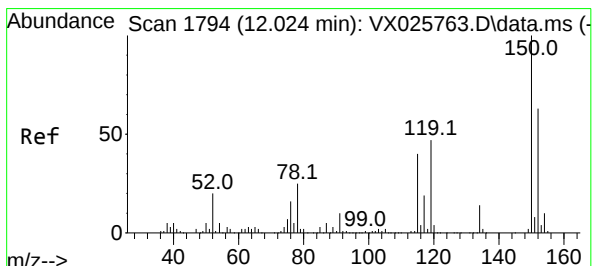
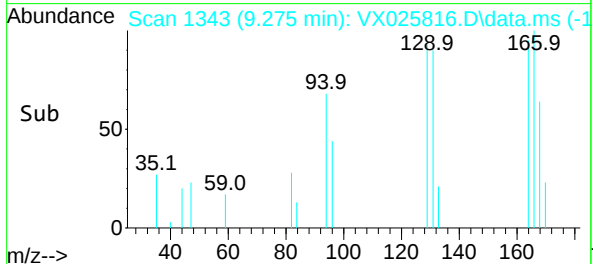
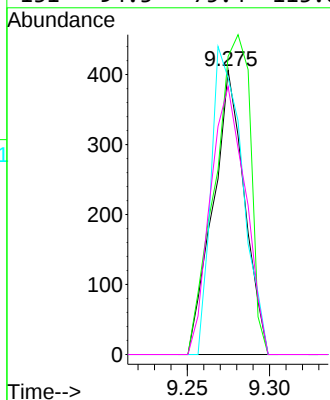
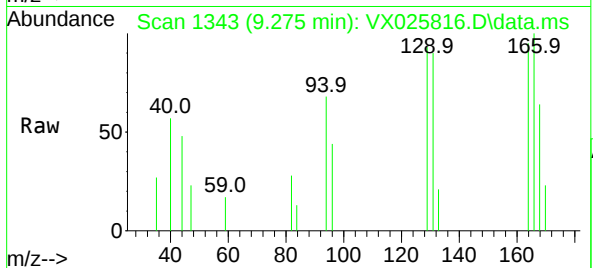


#64
Tetrachloroethene
Concen: 0.309 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025816.D
Acq: 15 Dec 2021 15:52

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20211207DL

Tgt Ion:164 Resp: 540

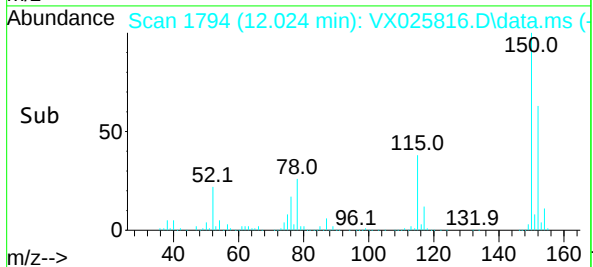
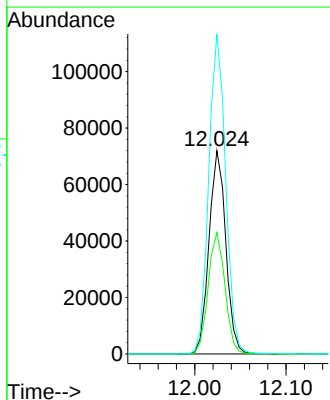
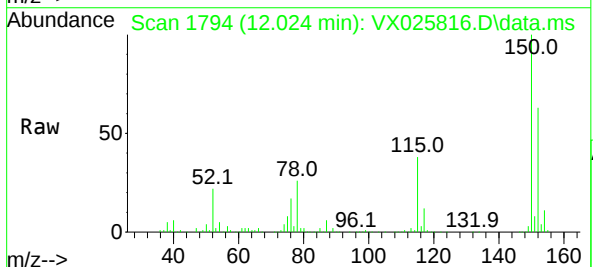
Ion	Ratio	Lower	Upper
164	100		
166	104.9	99.4	149.0
129	97.3	78.6	118.0
131	94.3	75.4	113.0

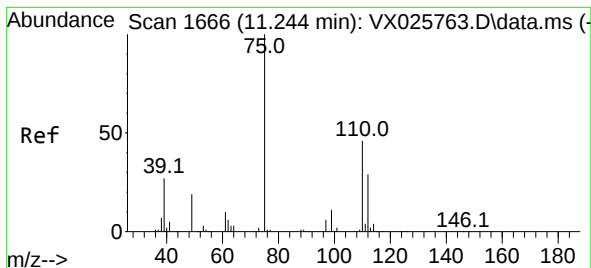


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025816.D
Acq: 15 Dec 2021 15:52

Tgt Ion:152 Resp: 91868

Ion	Ratio	Lower	Upper
152	100		
115	59.7	41.3	123.9
150	158.1	0.0	351.8





#76

1,2,3-Trichloropropane

Concen: 26.640 ug/l

RT: 11.085 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX025816.D

Acq: 15 Dec 2021 15:52

Instrument :

MSVOA_X

ClientSampleId :

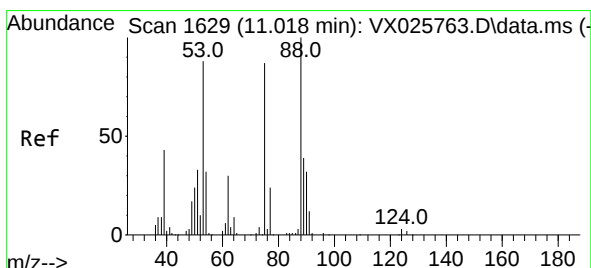
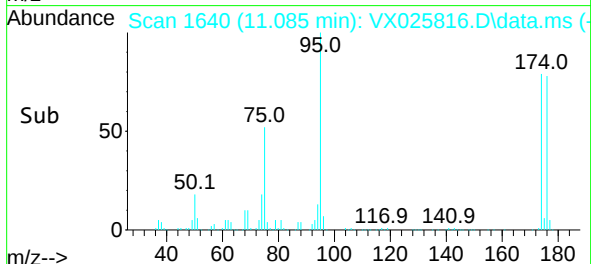
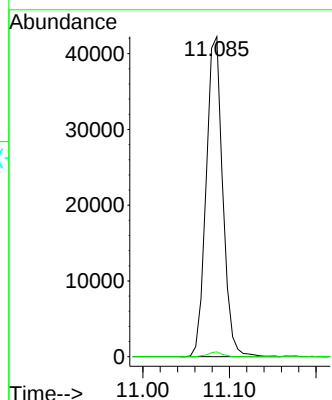
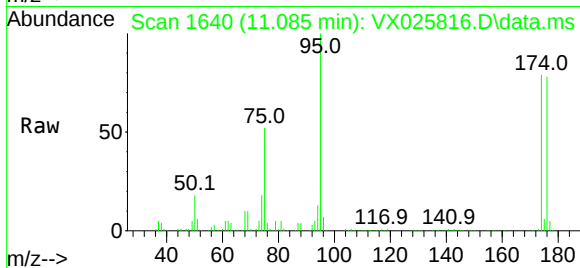
RE122D1-20211207DL

Tgt Ion: 75 Resp: 56074

Ion Ratio Lower Upper

75 100

77 1.3 19.0 57.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.592 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.067 min

Lab File: VX025816.D

Acq: 15 Dec 2021 15:52

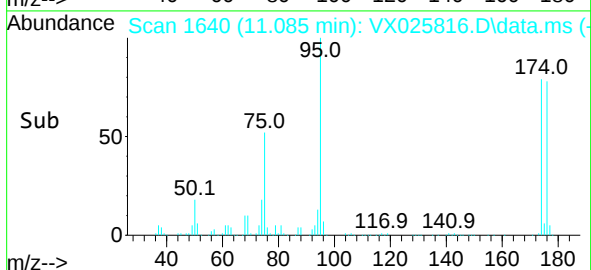
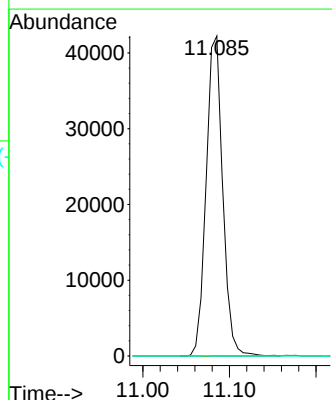
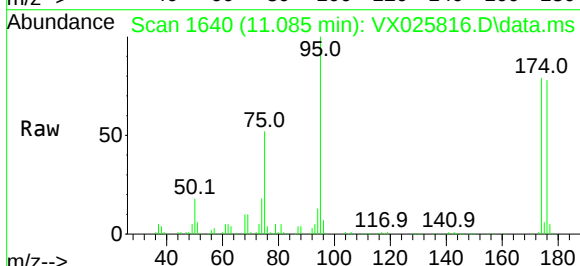
Tgt Ion: 75 Resp: 56074

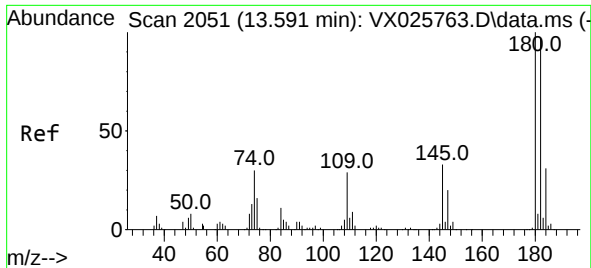
Ion Ratio Lower Upper

75 100

53 0.0 79.5 119.3#

89 0.0 38.3 57.5#

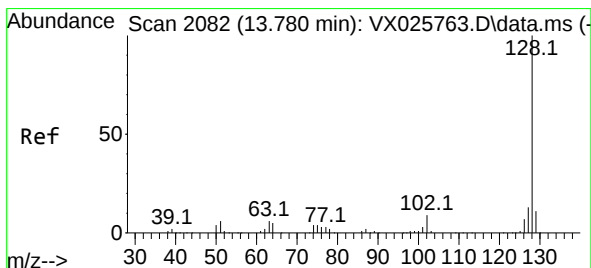
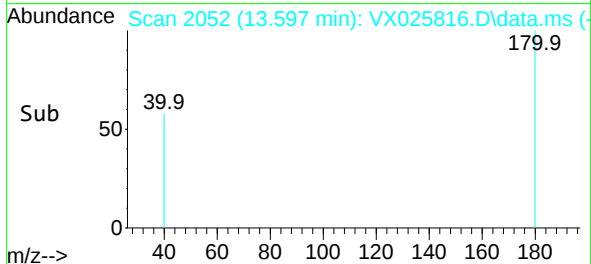
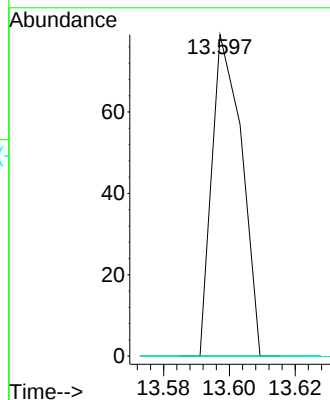
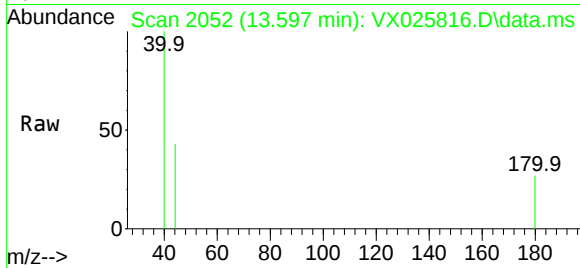




#93
 1,2,4-Trichlorobenzene
 Concen: 3.396 ug/l
 RT: 13.597 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX025816.D
 Acq: 15 Dec 2021 15:52

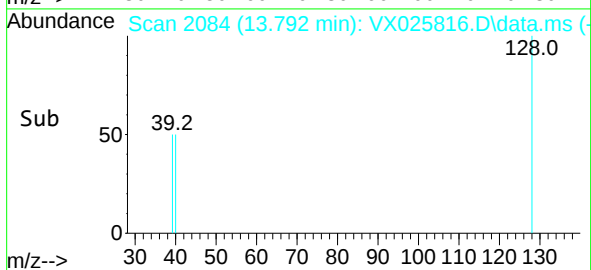
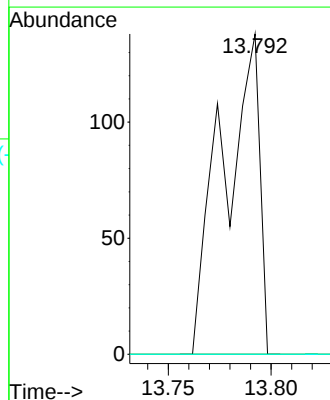
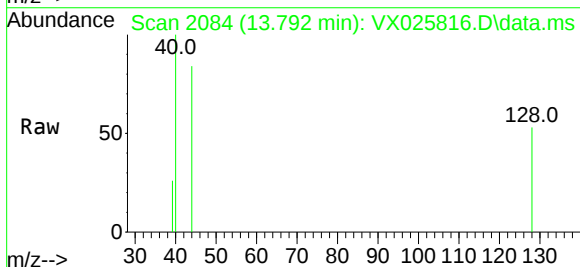
Instrument :
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 ClientSampleId :
 RE122D1-20211207DL

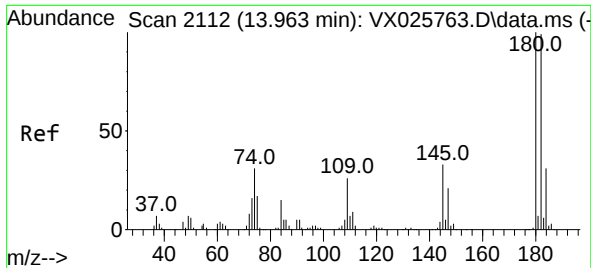
Tgt Ion:180 Resp: 50
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.2 141.6#
 145 0.0 16.3 48.9#



#95
 Naphthalene
 Concen: 2.437 ug/l
 RT: 13.792 min Scan# 2084
 Delta R.T. 0.012 min
 Lab File: VX025816.D
 Acq: 15 Dec 2021 15:52

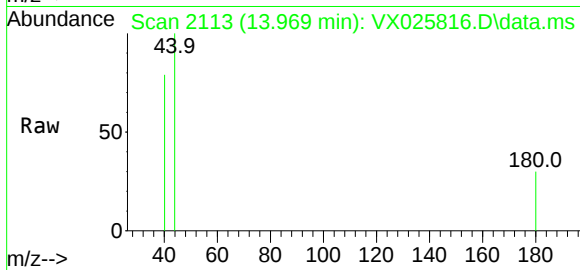
Tgt Ion:128 Resp: 171
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.019 ug/l
 RT: 13.969 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX025816.D
 Acq: 15 Dec 2021 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20211207DL



Tgt Ion:180 Resp: 50
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.5 142.6#
 145 0.0 16.7 50.1#

