

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120621\
 Data File : VX025548.D
 Acq On : 06 Dec 2021 14:55
 Operator : JC/MD
 Sample : M4923-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D2-20211130

Quant Time: Dec 07 05:59:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

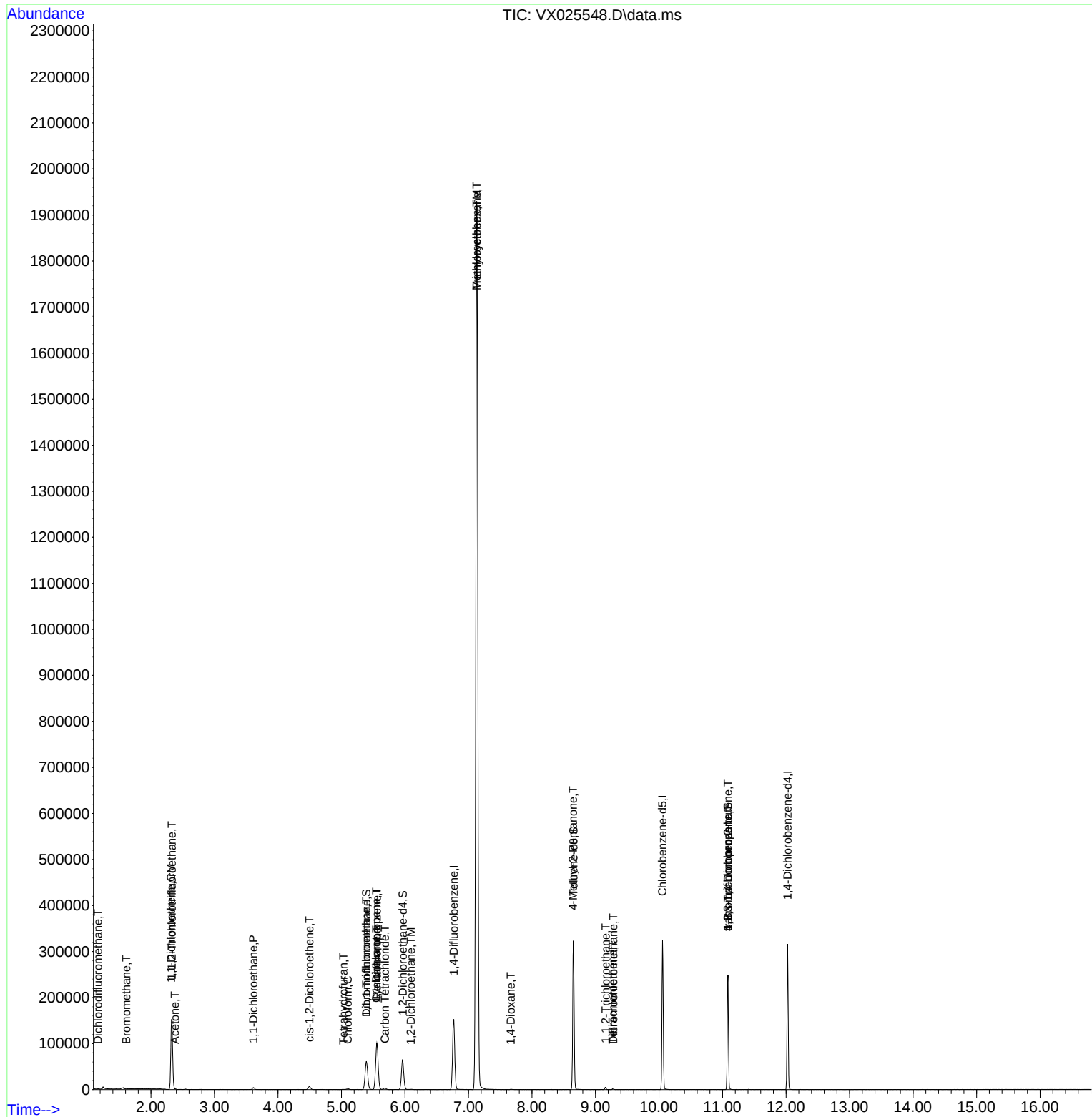
Internal Standards						
1) Pentafluorobenzene	5.556	168	98658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	165869	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	149854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	59561	57.274	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.540%			
35) Dibromofluoromethane	5.391	113	50802	49.918	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.840%			
50) Toluene-d8	8.653	98	191170	49.960	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.920%			
62) 4-Bromofluorobenzene	11.085	95	66103	45.664	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	315	0.368	ug/l #	43
5) Bromomethane	1.611	94	133	0.266	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.331	101	42015	45.761	ug/l	99
12) 1,1-Dichloroethene	2.319	96	21502	23.515	ug/l	92
16) Acetone	2.380	43	1130	1.956	ug/l	94
24) 1,1-Dichloroethane	3.611	63	5006	2.907	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	4485	3.834	ug/l	83
29) Tetrahydrofuran	5.032	42	302	0.584	ug/l #	43
30) Chloroform	5.099	83	2146	1.197	ug/l	86
31) Cyclohexane	5.550	56	1781	1.108	ug/l #	3
32) 1,1,1-Trichloroethane	5.391	97	2679	1.633	ug/l	98
36) 1,1-Dichloropropene	5.550	75	6614	4.570	ug/l #	50
38) Carbon Tetrachloride	5.684	117	2966	1.861	ug/l	94
39) Methylcyclohexane	7.129	83	8455	4.555	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	645	0.452	ug/l #	77
44) Trichloroethene	7.129	130	771757	606.014	ug/l	98
49) 1,4-Dioxane	7.665	88	608	22.388	ug/l #	79
51) 4-Methyl-2-Pentanone	8.647	43	817	0.475	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	1392	1.224	ug/l #	88
60) Dibromochloromethane	9.281	129	521	0.398	ug/l #	11
64) Tetrachloroethene	9.275	164	586	0.474	ug/l #	86
76) 1,2,3-Trichloropropane	11.085	75	32252	24.095	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	32252	60.699	ug/l #	9

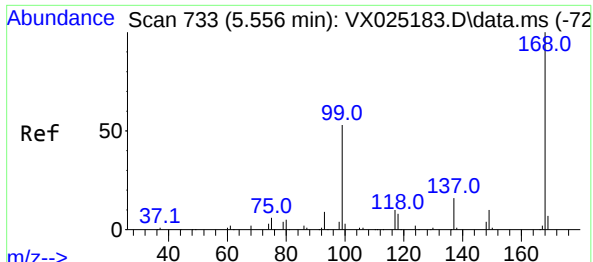
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20211130

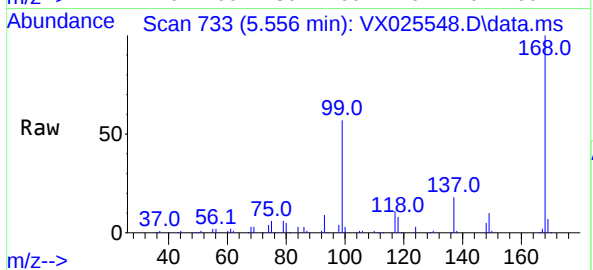
Quant Time: Dec 07 05:59:54 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 2021
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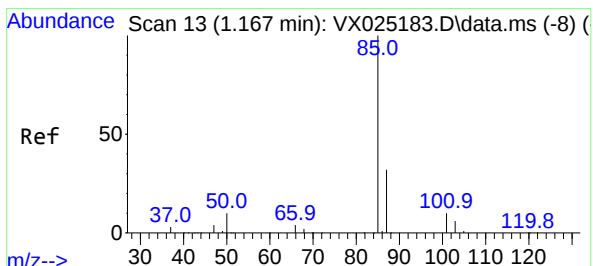
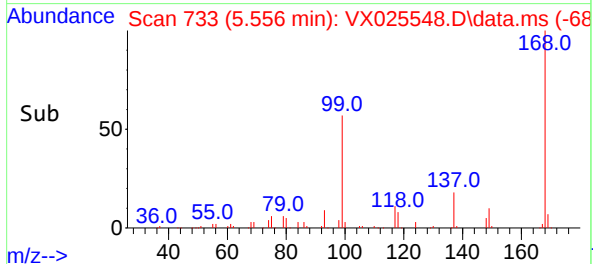
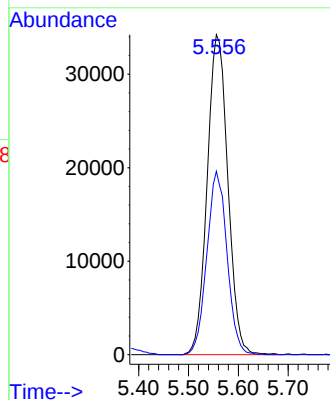


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20211130

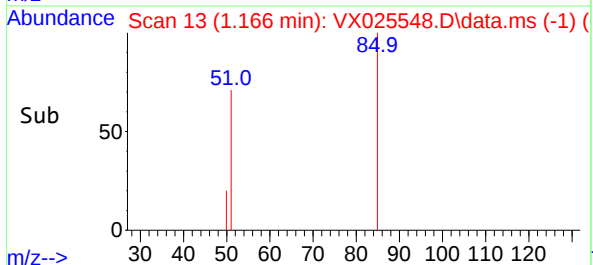
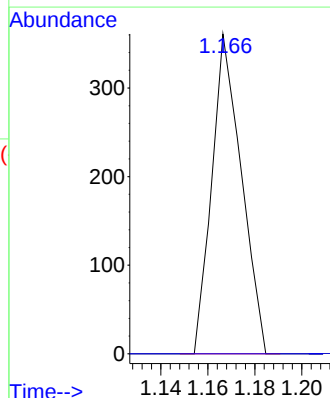
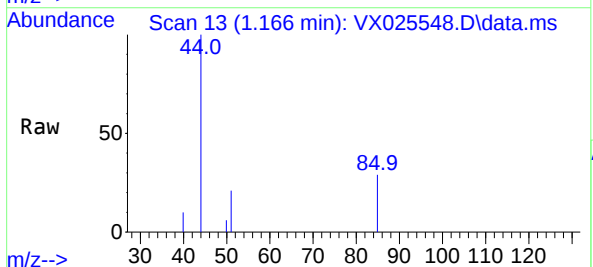


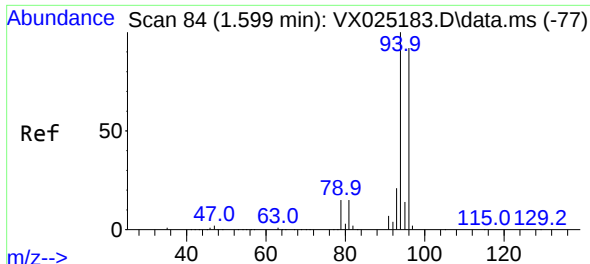
Tgt Ion:168 Resp: 98658
Ion Ratio Lower Upper
168 100
99 57.3 46.4 69.6



#2
Dichlorodifluoromethane
Concen: 0.368 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.001 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

Tgt Ion: 85 Resp: 315
Ion Ratio Lower Upper
85 100
87 0.0 16.0 47.9#

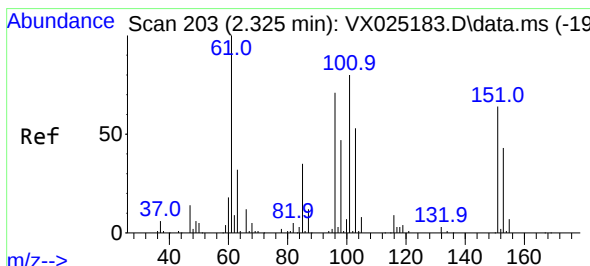
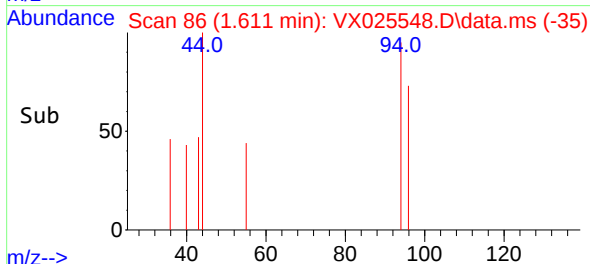
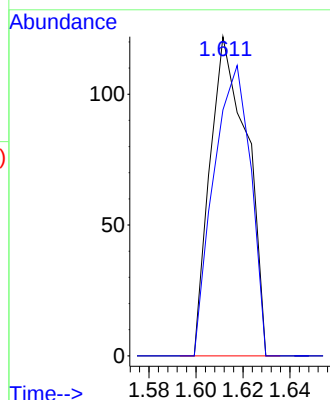
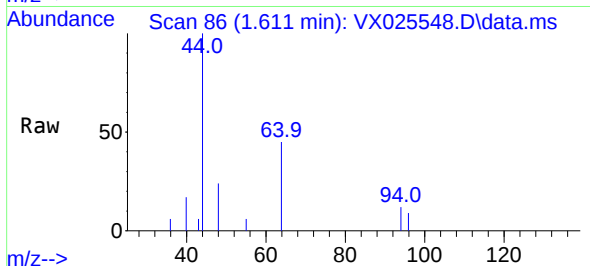




#5
Bromomethane
Concen: 0.266 ug/l
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

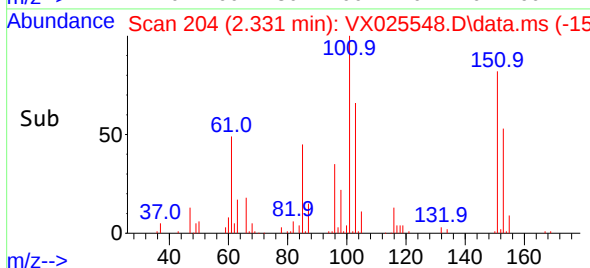
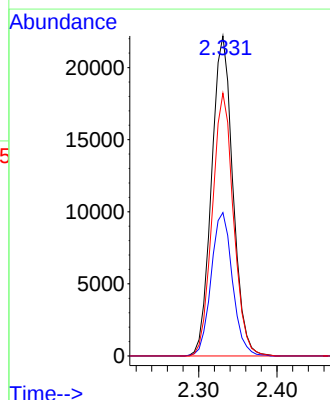
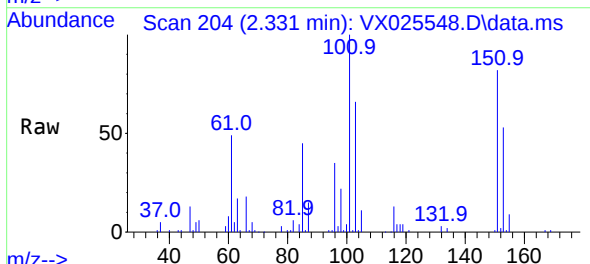
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20211130

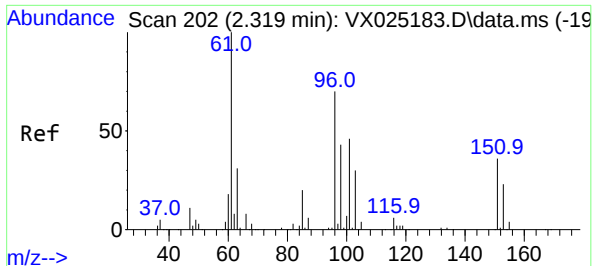
Tgt Ion: 94 Resp: 133
Ion Ratio Lower Upper
94 100
96 77.0 74.8 112.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.761 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

Tgt Ion: 101 Resp: 42015
Ion Ratio Lower Upper
101 100
85 44.7 35.9 53.9
151 81.5 64.4 96.6

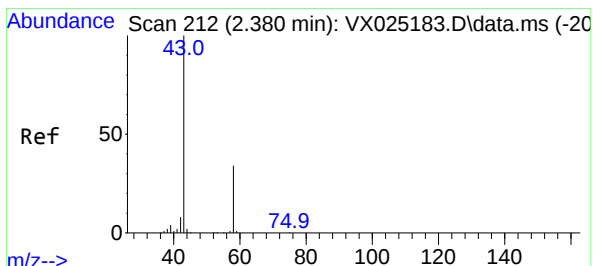
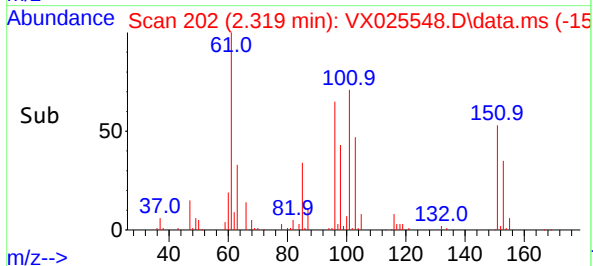
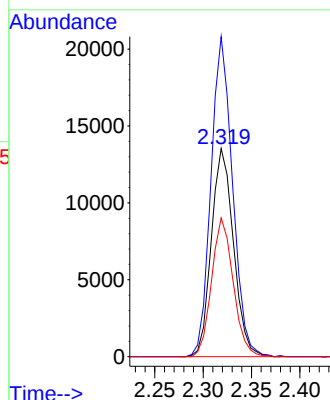
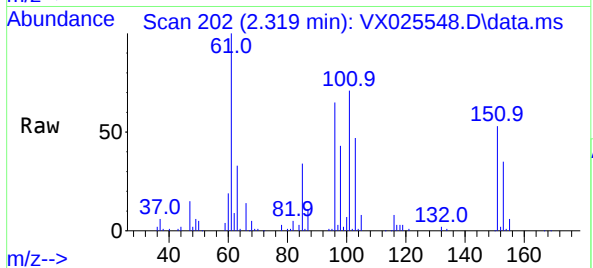




#12
1,1-Dichloroethene
Concen: 23.515 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

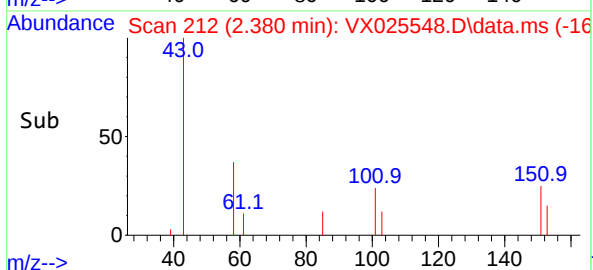
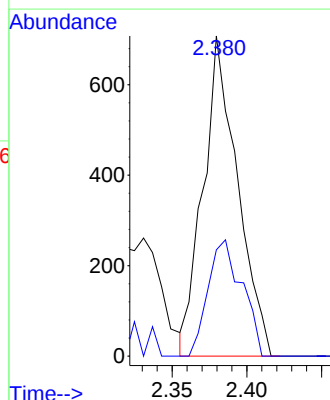
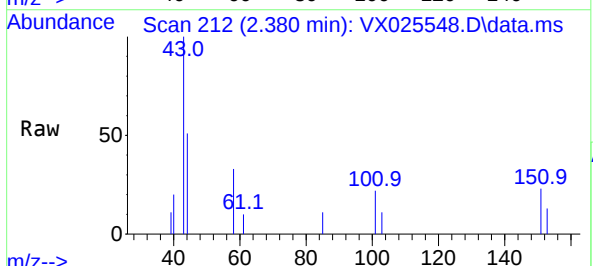
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20211130

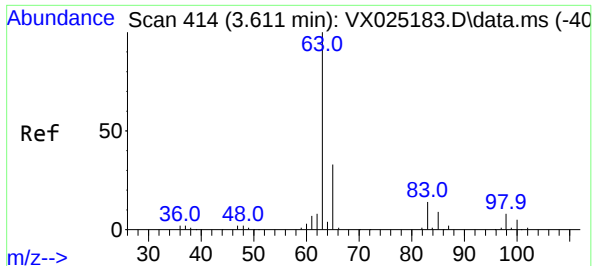
Tgt Ion: 96 Resp: 21502
Ion Ratio Lower Upper
96 100
61 153.8 134.1 201.1
98 66.7 51.5 77.3



#16
Acetone
Concen: 1.956 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

Tgt Ion: 43 Resp: 1130
Ion Ratio Lower Upper
43 100
58 33.2 24.0 36.0

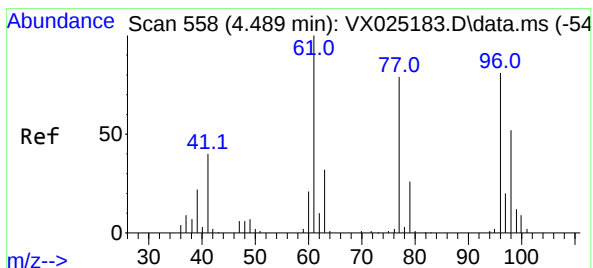
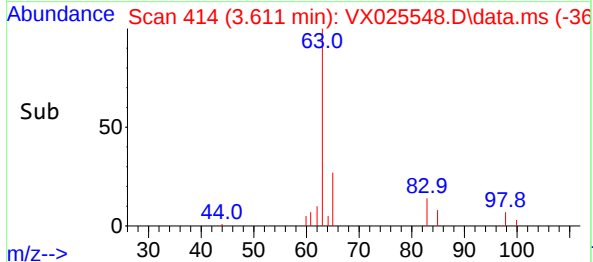
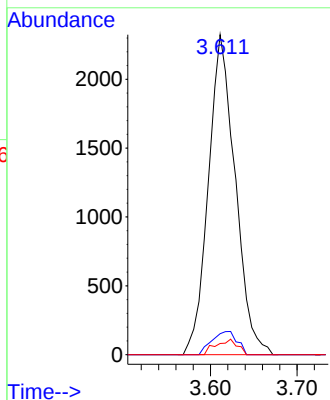
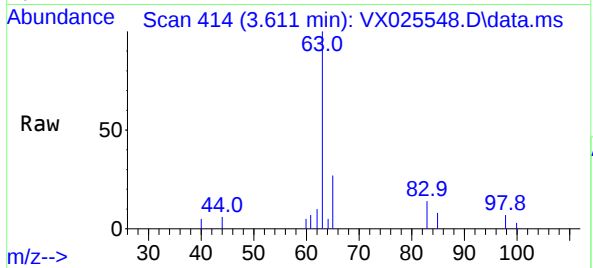




#24
1,1-Dichloroethane
Concen: 2.907 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

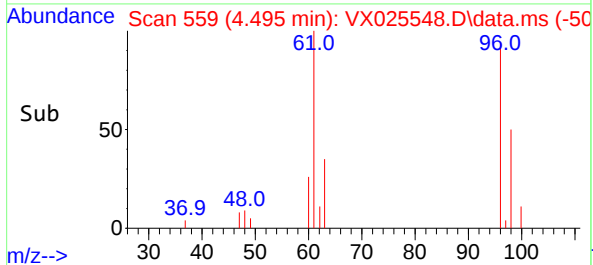
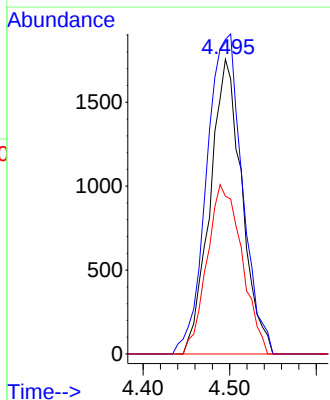
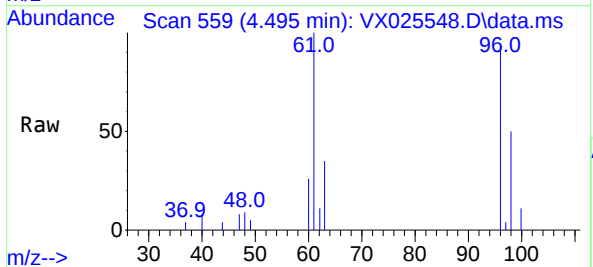
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20211130

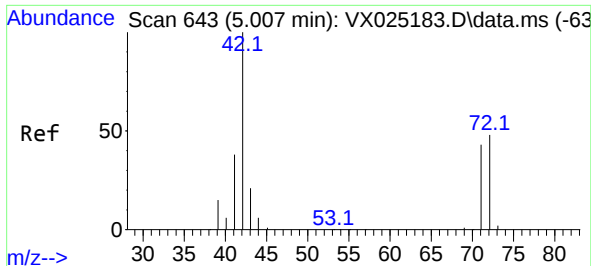
Tgt Ion: 63	Resp:	5006
Ion Ratio	Lower	Upper
63	100	
98	6.5	3.3 9.9
100	3.5	2.1 6.2



#27
cis-1,2-Dichloroethene
Concen: 3.834 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

Tgt Ion: 96	Resp:	4485
Ion Ratio	Lower	Upper
96	100	
61	121.6	0.0 302.2
98	62.8	0.0 131.4





#29

Tetrahydrofuran

Concen: 0.584 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX025548.D

Acq: 06 Dec 2021 14:55

Instrument :

MSVOA_X

ClientSampleId :

RE115D2-20211130

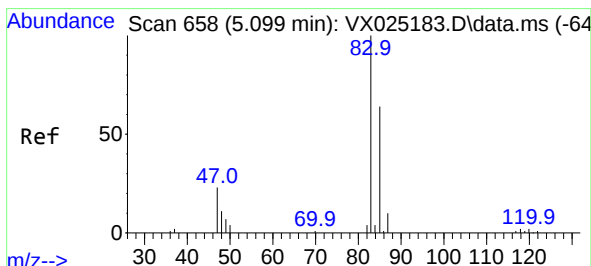
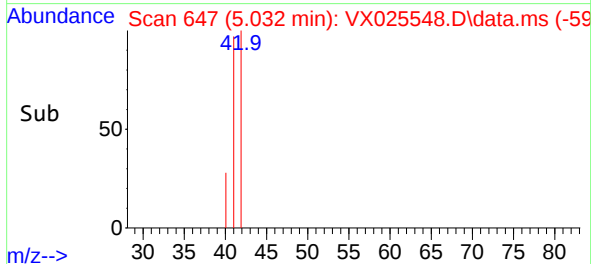
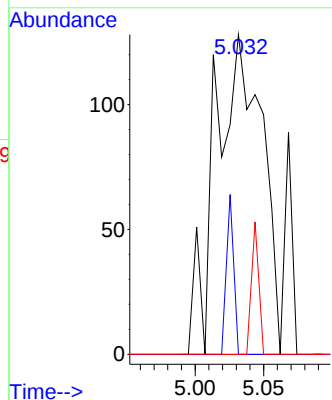
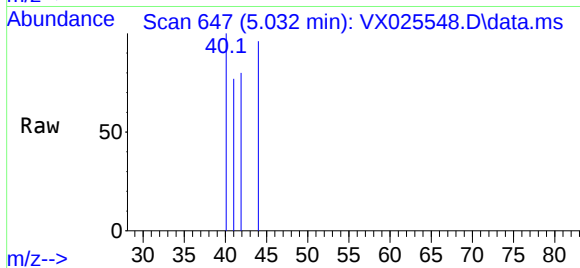
Tgt Ion: 42 Resp: 302

Ion Ratio Lower Upper

42 100

72 7.6 36.1 54.1#

71 6.3 33.7 50.5#



#30

Chloroform

Concen: 1.197 ug/l

RT: 5.099 min Scan# 658

Delta R.T. -0.000 min

Lab File: VX025548.D

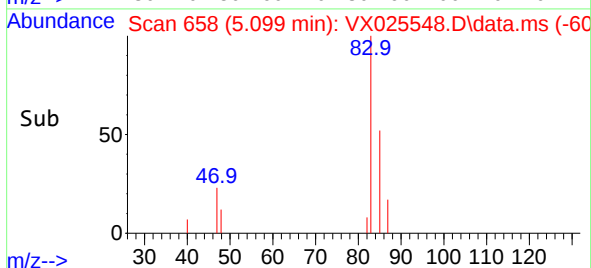
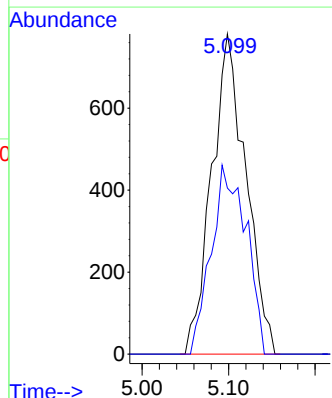
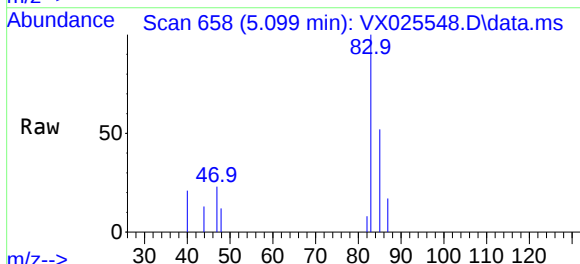
Acq: 06 Dec 2021 14:55

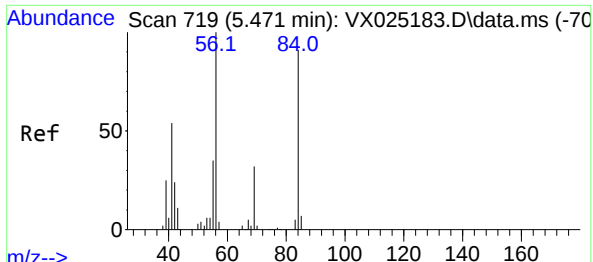
Tgt Ion: 83 Resp: 2146

Ion Ratio Lower Upper

83 100

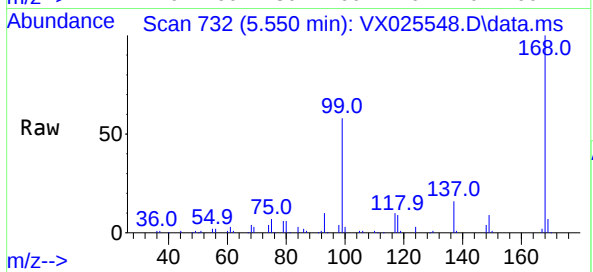
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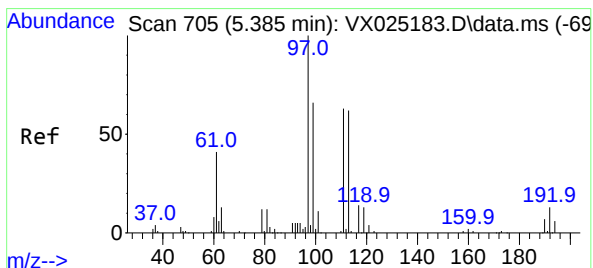
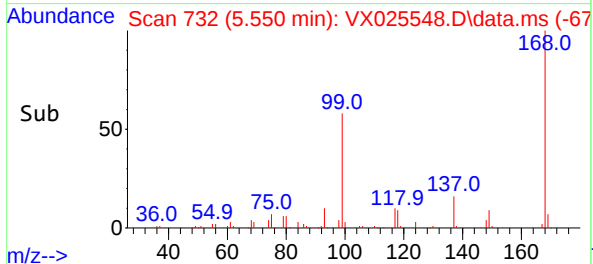
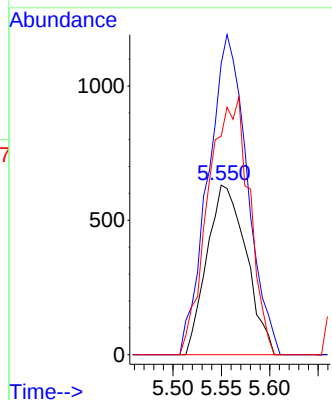


#31
Cyclohexane
Concen: 1.108 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

Instrument :
MSVOA_X
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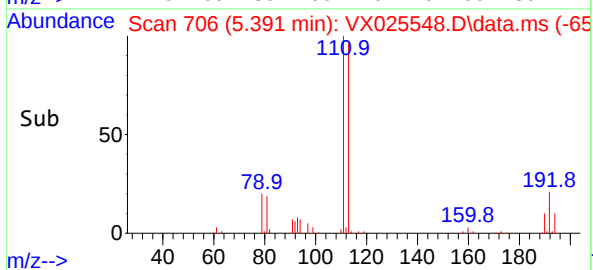
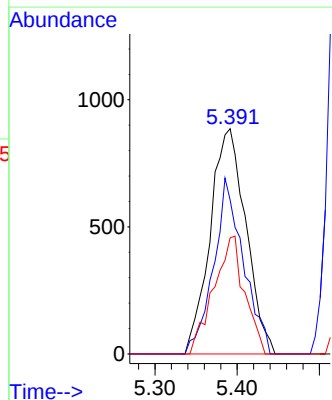
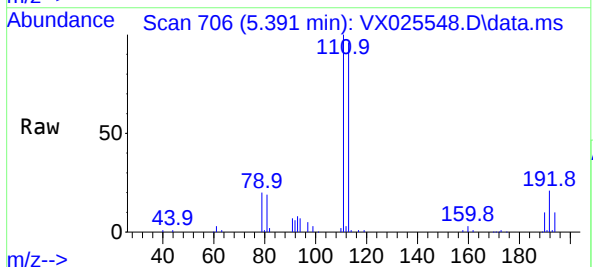


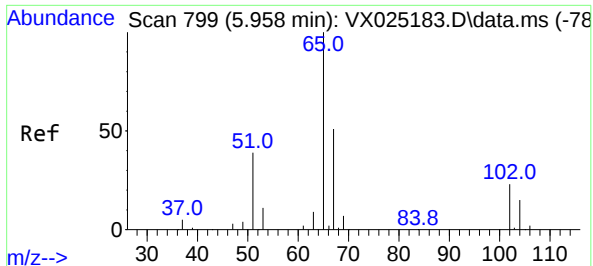
Tgt Ion: 56 Resp: 1781
Ion Ratio Lower Upper
56 100
69 171.6 24.2 36.2#
84 128.8 71.5 107.3#



#32
1,1,1-Trichloroethane
Concen: 1.633 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

Tgt Ion: 97 Resp: 2679
Ion Ratio Lower Upper
97 100
99 65.1 50.9 76.3
61 45.1 35.0 52.4





#33

1,2-Dichloroethane-d4

Concen: 57.274 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX025548.D

Acq: 06 Dec 2021 14:55

Instrument :

MSVOA_X

ClientSampleId :

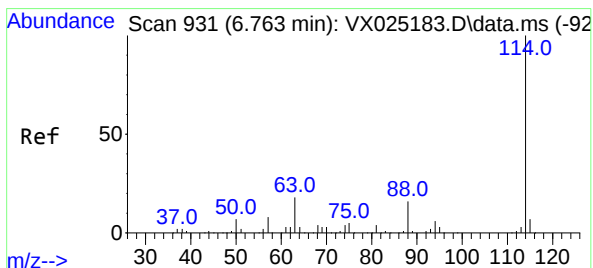
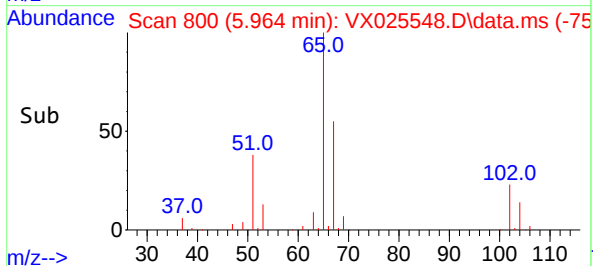
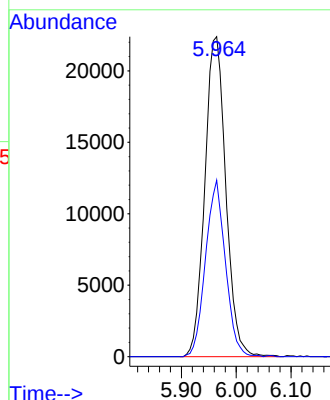
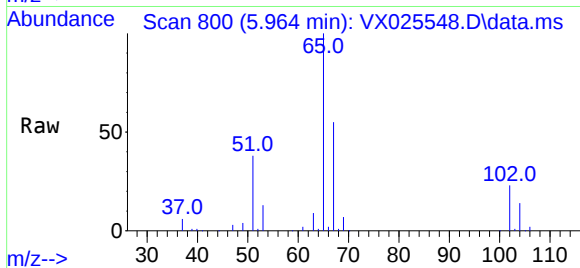
RE115D2-20211130

Tgt Ion: 65 Resp: 59561

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX025548.D

Acq: 06 Dec 2021 14:55

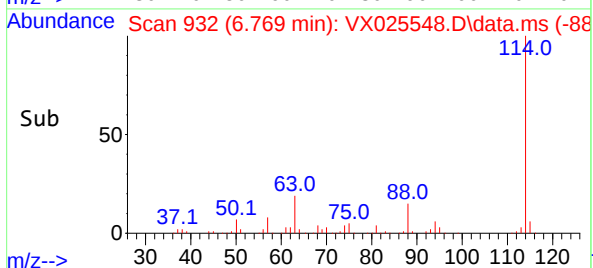
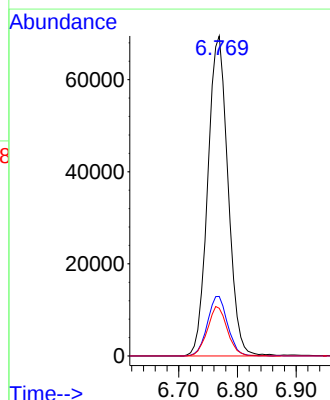
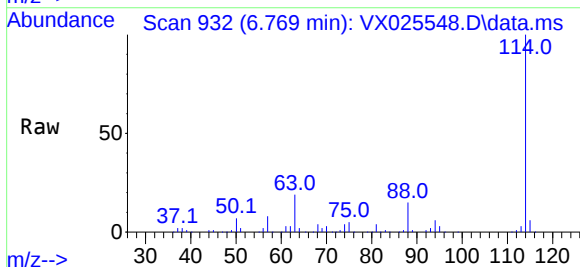
Tgt Ion: 114 Resp: 165869

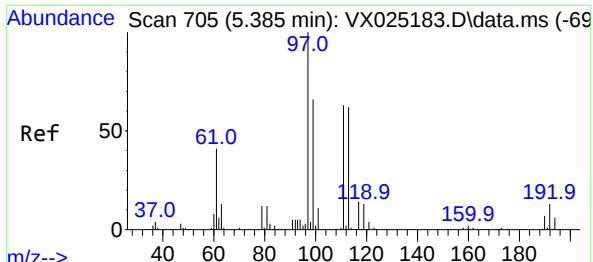
Ion Ratio Lower Upper

114 100

63 18.6 0.0 41.0

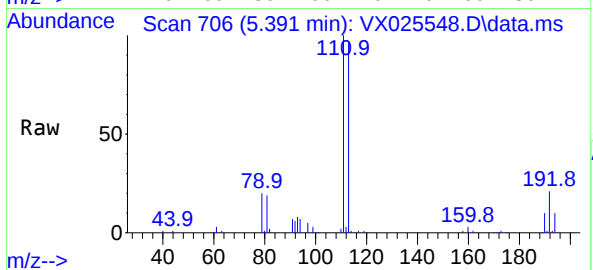
88 14.9 0.0 34.8



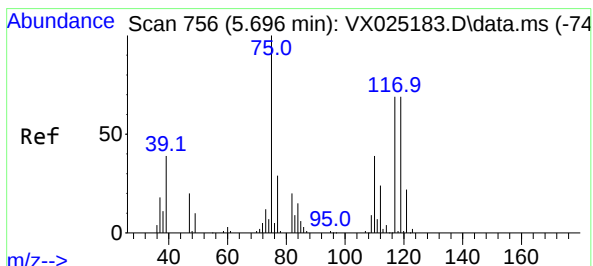
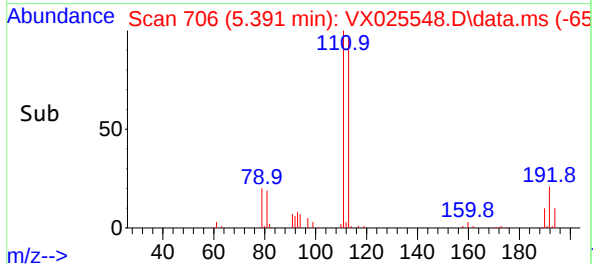
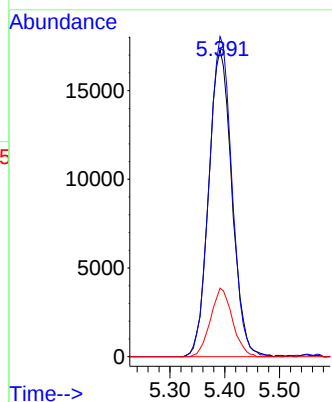


#35
 Dibromofluoromethane
 Concen: 49.918 ug/l
 RT: 5.391 min Scan# 705
 Delta R.T. 0.006 min
 Lab File: VX025548.D
 Acq: 06 Dec 2021 14:55

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D2-20211130

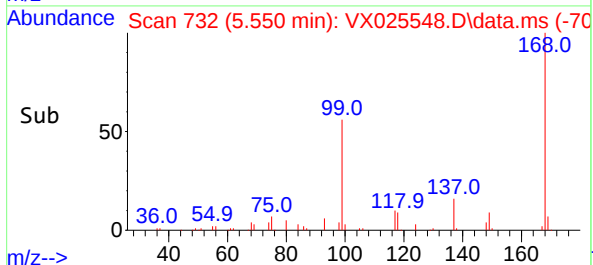
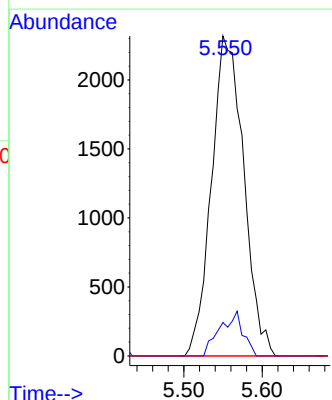
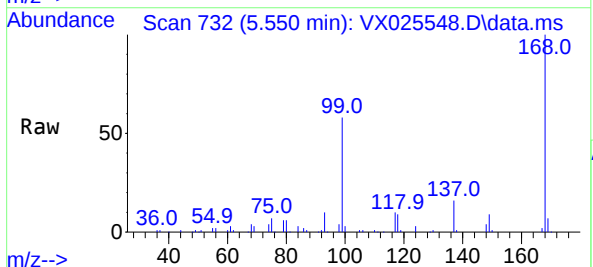


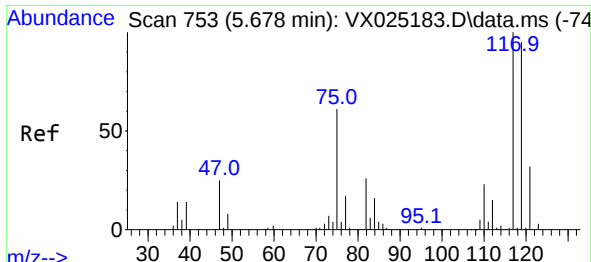
Tgt Ion:113 Resp: 50802
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.1 123.1
 192 21.1 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 4.570 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.146 min
 Lab File: VX025548.D
 Acq: 06 Dec 2021 14:55

Tgt Ion: 75 Resp: 6614
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.1 54.3#
 77 0.0 24.4 36.6#

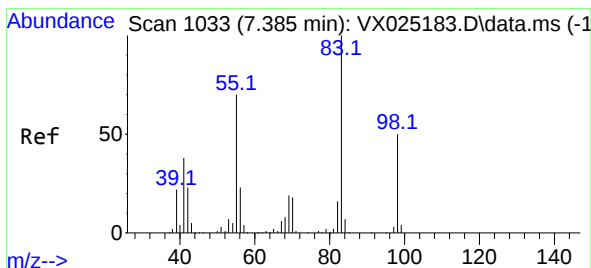
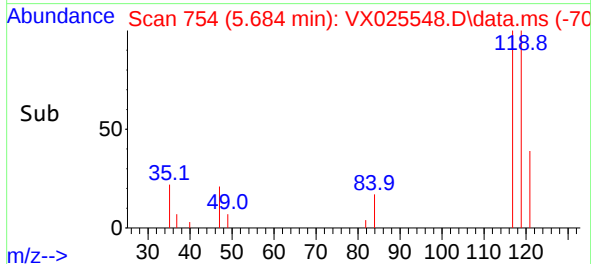
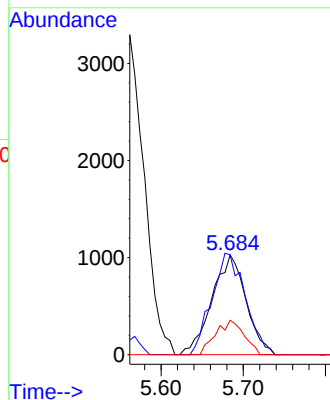
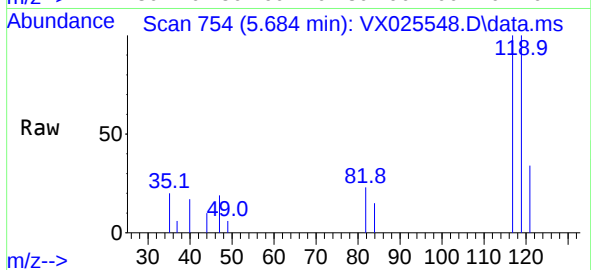




#38
Carbon Tetrachloride
Concen: 1.861 ug/l
RT: 5.684 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

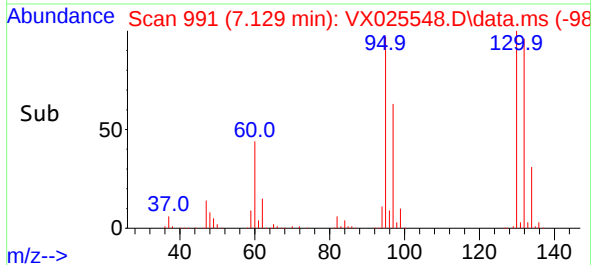
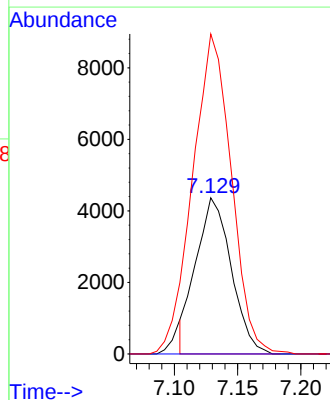
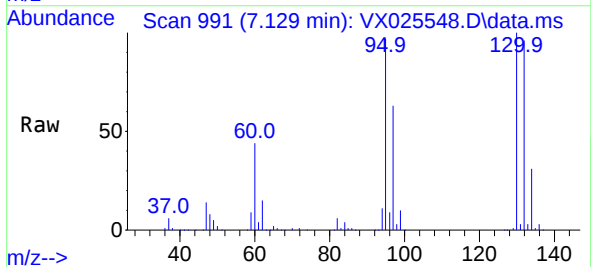
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20211130

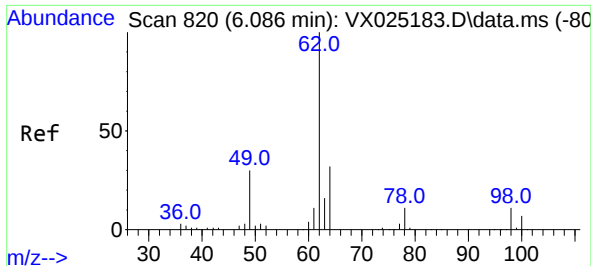
Tgt Ion:117 Resp: 2966
Ion Ratio Lower Upper
117 100
119 100.0 75.6 113.4
121 34.4 23.7 35.5



#39
Methylcyclohexane
Concen: 4.555 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

Tgt Ion: 83 Resp: 8455
Ion Ratio Lower Upper
83 100
55 0.0 60.8 91.2#
98 203.3 37.0 55.4#

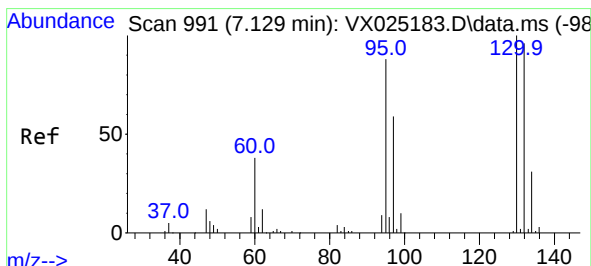
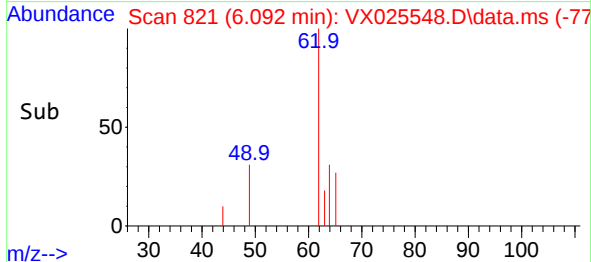
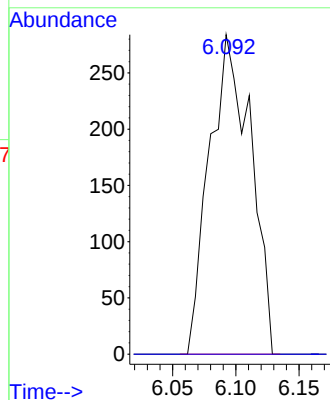
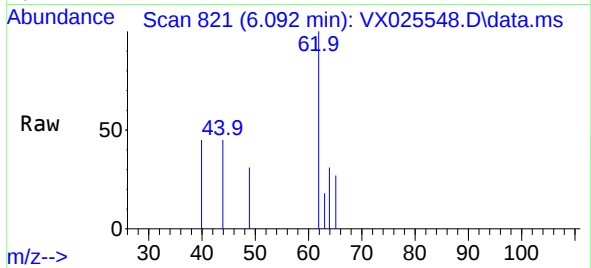




#42
1,2-Dichloroethane
Concen: 0.452 ug/l
RT: 6.092 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

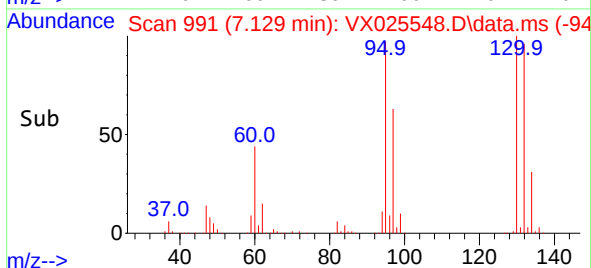
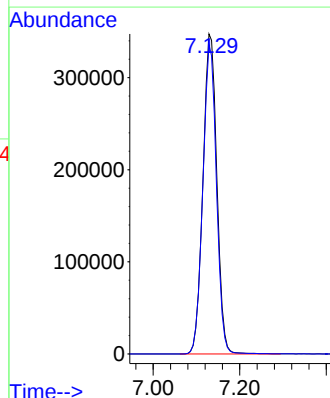
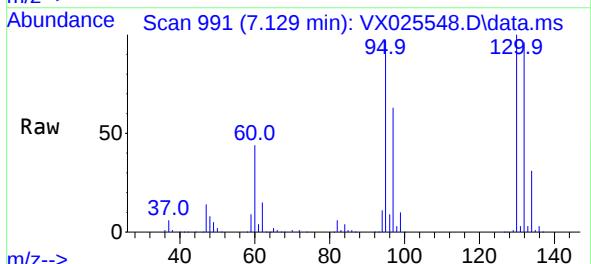
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20211130

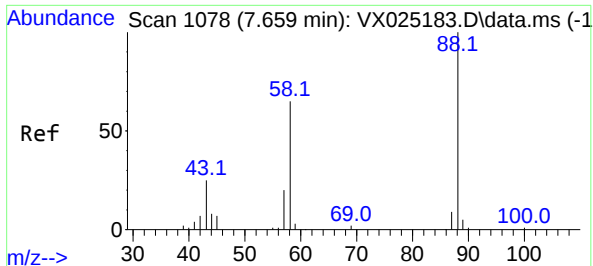
Tgt Ion: 62 Resp: 645
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0



#44
Trichloroethene
Concen: 606.014 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

Tgt Ion:130 Resp: 771757
Ion Ratio Lower Upper
130 100
95 96.6 0.0 196.8





#49

1,4-Dioxane

Concen: 22.388 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX025548.D

Acq: 06 Dec 2021 14:55

Instrument :

MSVOA_X

ClientSampleId :

RE115D2-20211130

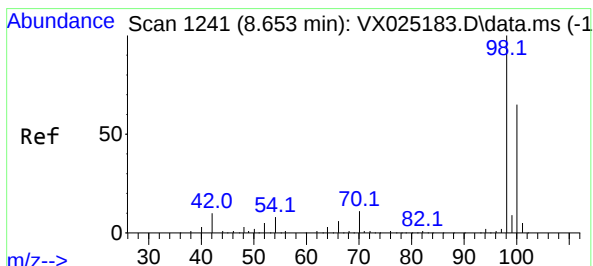
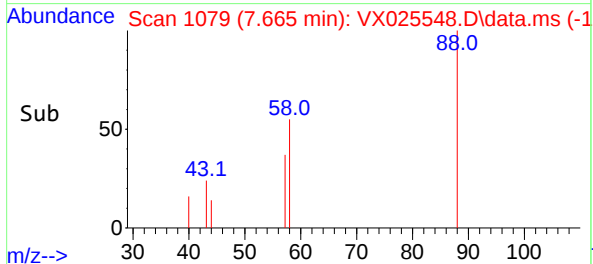
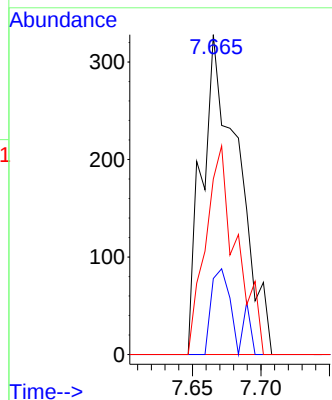
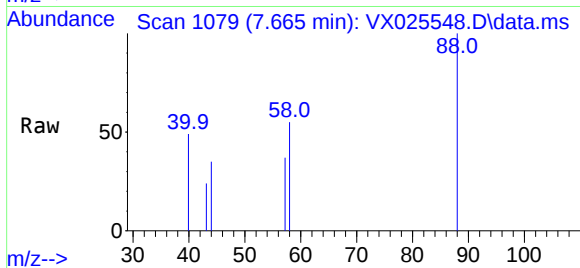
Tgt Ion: 88 Resp: 608

Ion Ratio Lower Upper

88 100

43 16.8 27.0 40.6#

58 55.6 55.2 82.8



#50

Toluene-d8

Concen: 49.960 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025548.D

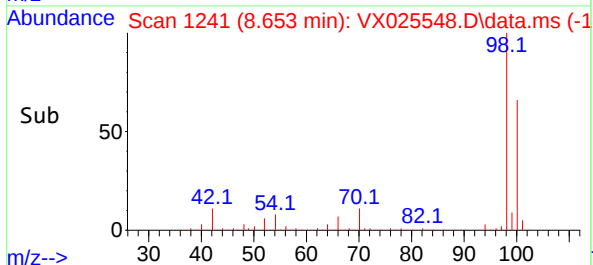
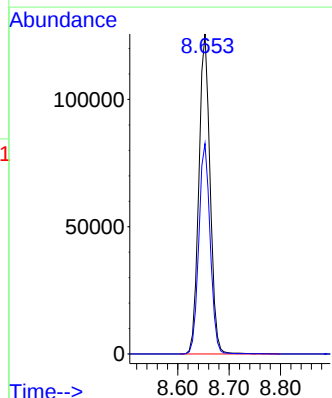
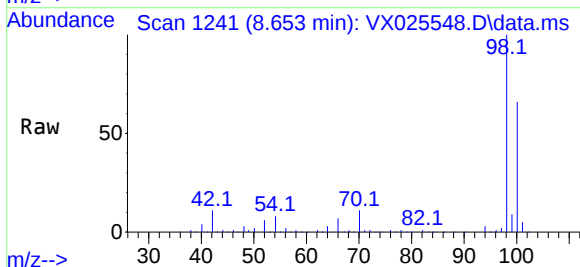
Acq: 06 Dec 2021 14:55

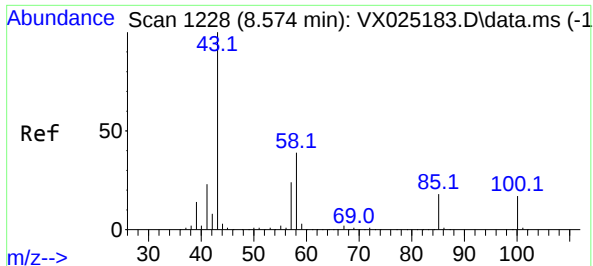
Tgt Ion: 98 Resp: 191170

Ion Ratio Lower Upper

98 100

100 66.4 51.4 77.0

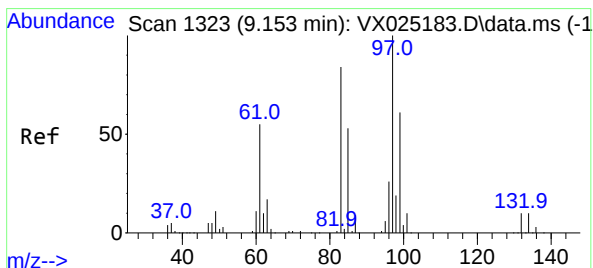
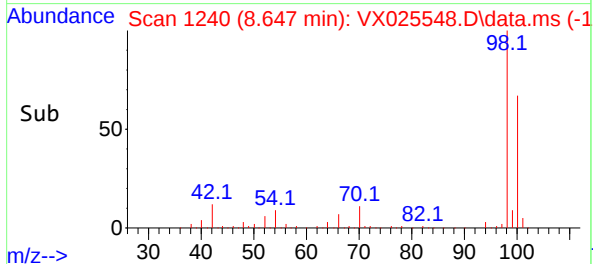
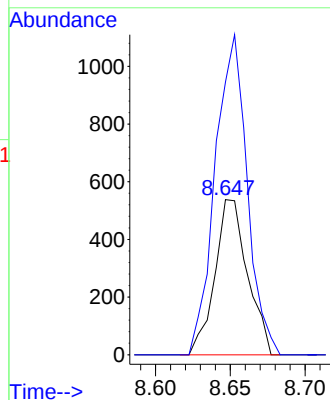
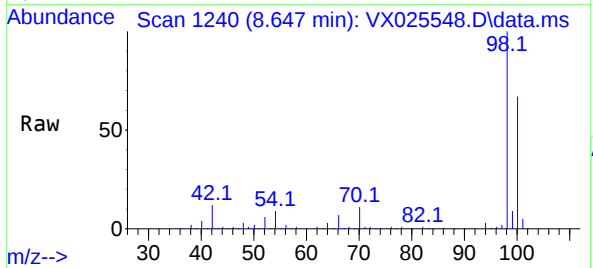




#51
4-Methyl-2-Pentanone
Concen: 0.475 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

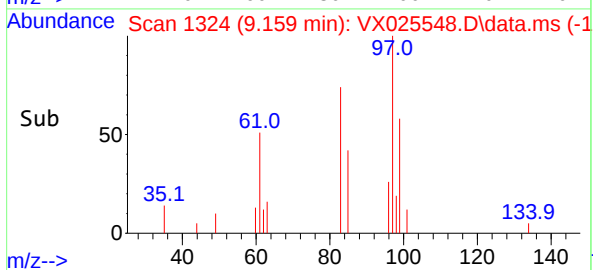
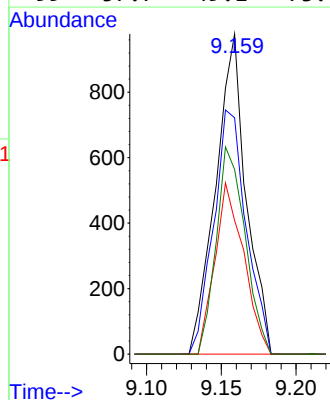
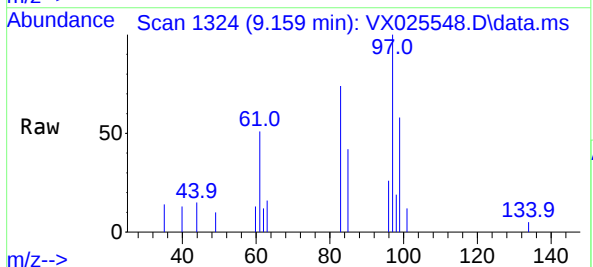
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20211130

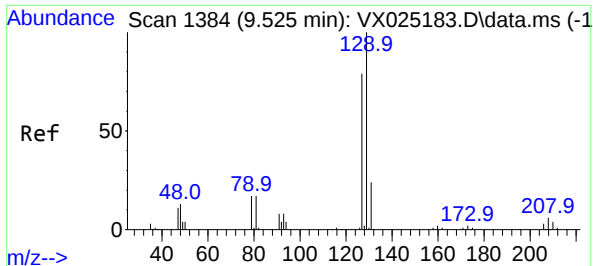
Tgt Ion: 43 Resp: 817
Ion Ratio Lower Upper
43 100
58 202.3 30.9 46.3#



#55
1,1,2-Trichloroethane
Concen: 1.224 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

Tgt Ion: 97 Resp: 1392
Ion Ratio Lower Upper
97 100
83 73.8 69.2 103.8
85 41.7 43.3 64.9#
99 57.7 49.1 73.7

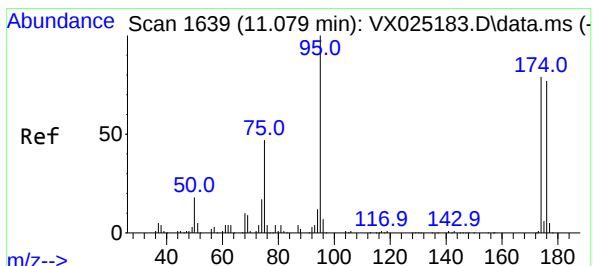
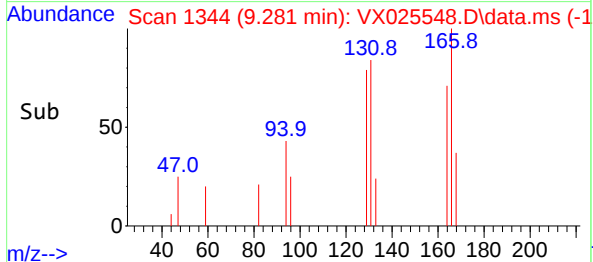
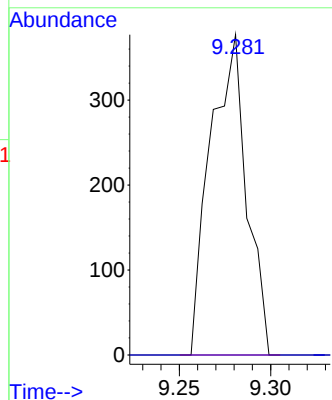
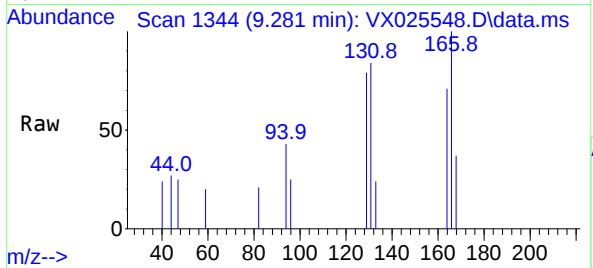




#60
Dibromochloromethane
Concen: 0.398 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

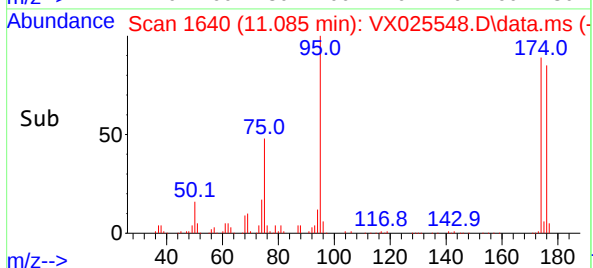
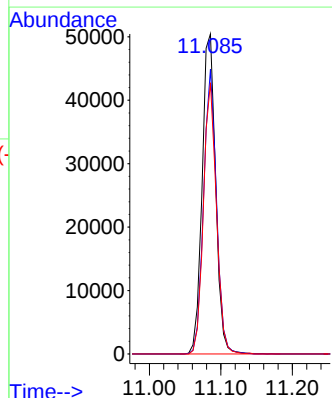
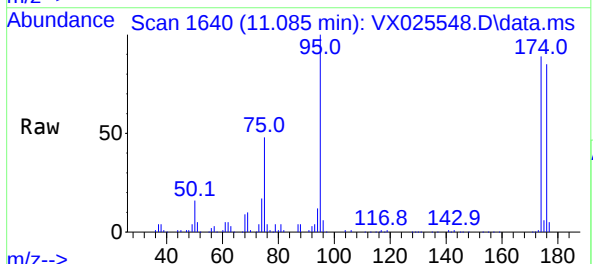
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20211130

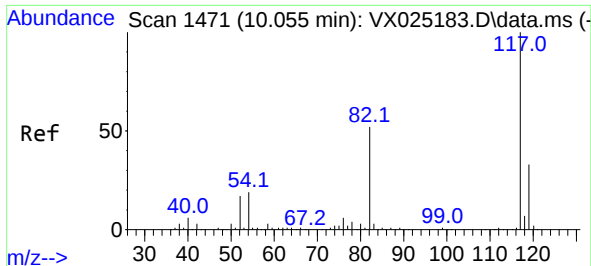
Tgt Ion:129 Resp: 521
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 45.664 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

Tgt Ion: 95 Resp: 66103
Ion Ratio Lower Upper
95 100
174 84.9 0.0 158.0
176 81.4 0.0 153.6

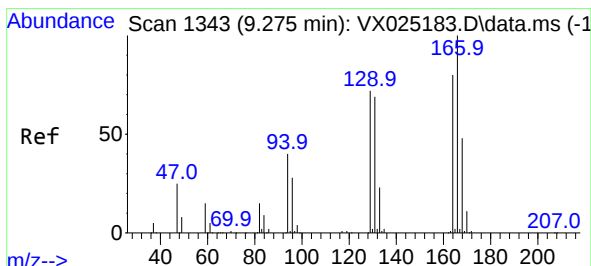
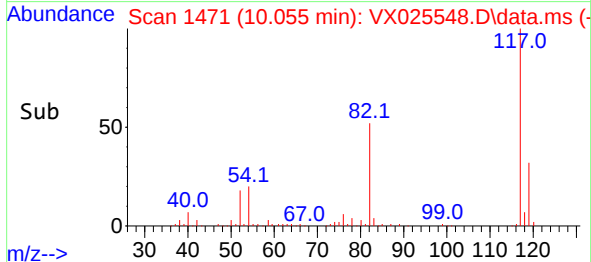
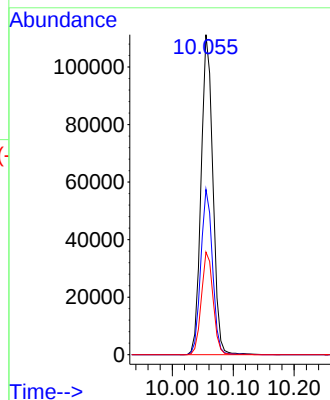
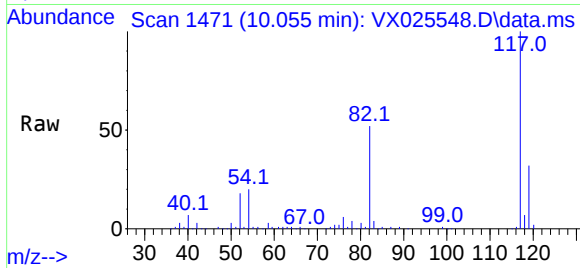




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

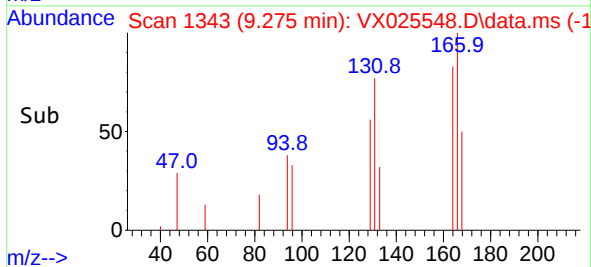
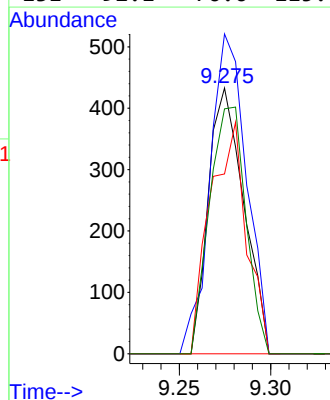
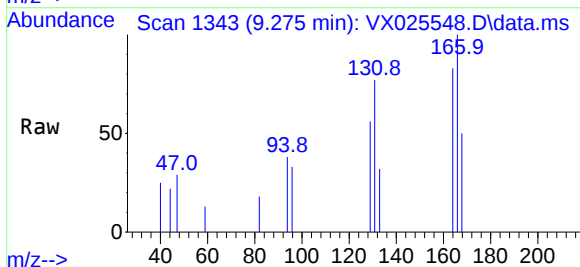
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20211130

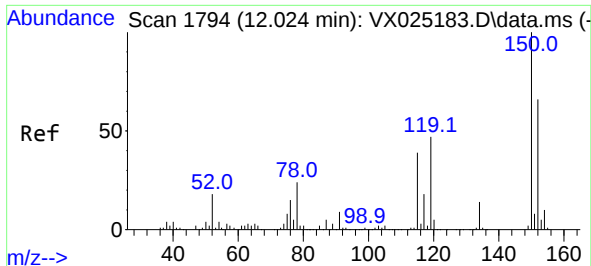
Tgt Ion:117 Resp: 149854
Ion Ratio Lower Upper
117 100
82 51.6 44.6 67.0
119 32.0 24.8 37.2



#64
Tetrachloroethene
Concen: 0.474 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

Tgt Ion:164 Resp: 586
Ion Ratio Lower Upper
164 100
166 120.3 103.2 154.8
129 67.7 81.0 121.4#
131 92.1 76.6 115.0

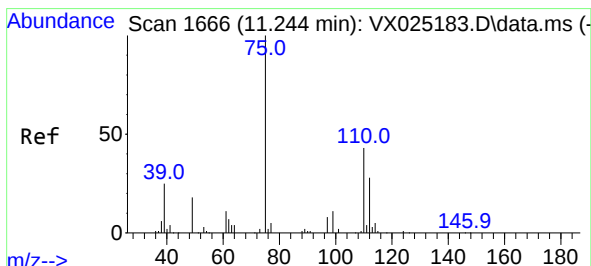
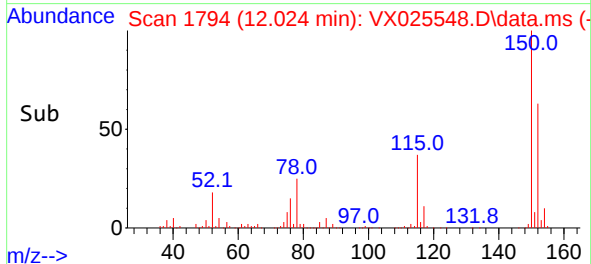
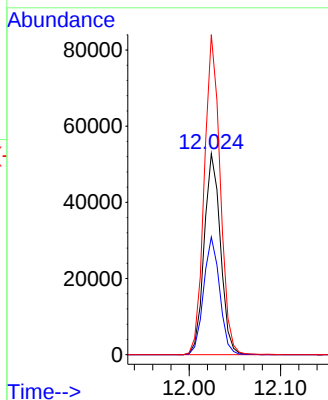
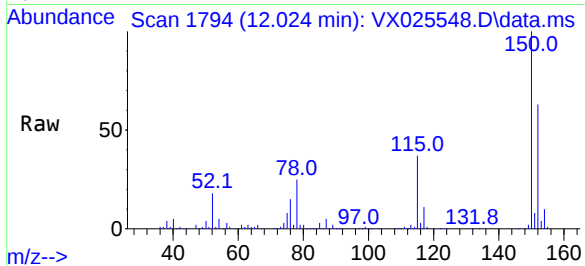




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

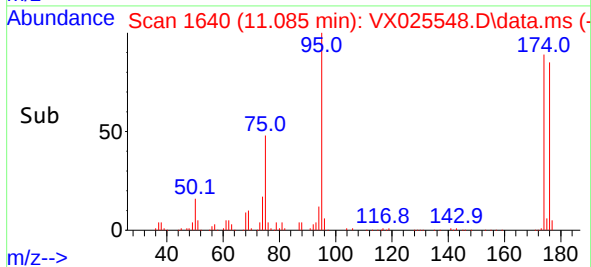
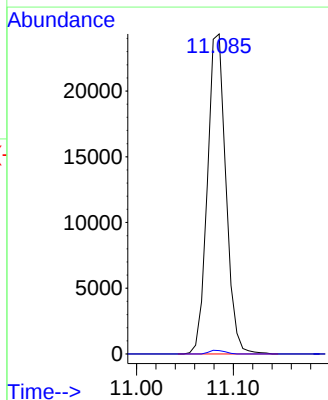
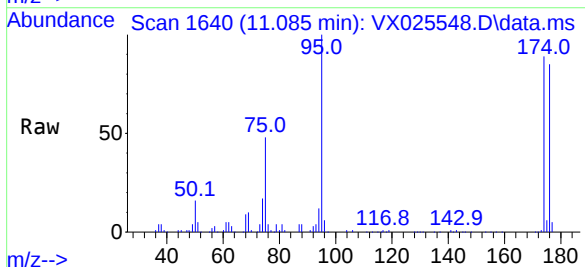
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20211130

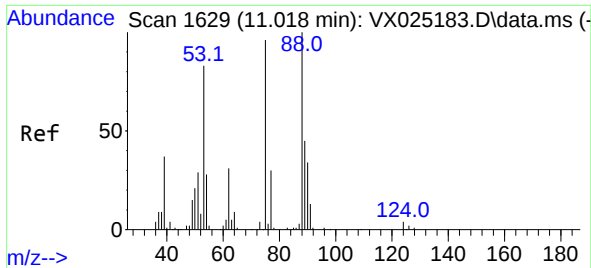
Tgt Ion:152 Resp: 65365
Ion Ratio Lower Upper
152 100
115 57.7 43.3 129.8
150 155.5 0.0 351.2



#76
1,2,3-Trichloropropane
Concen: 24.095 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025548.D
Acq: 06 Dec 2021 14:55

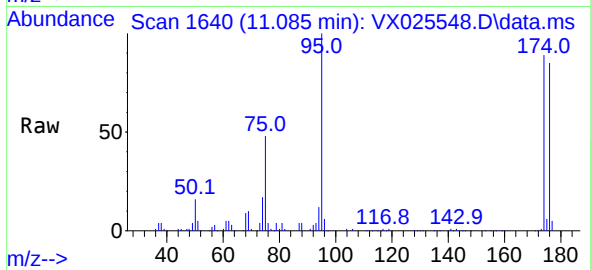
Tgt Ion: 75 Resp: 32252
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.699 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX025548.D
 Acq: 06 Dec 2021 14:55

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D2-20211130



Tgt Ion: 75 Resp: 32252
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.9 122.9#
 89 0.0 38.2 57.2#

