

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120321\
 Data File : VX025506.D
 Acq On : 04 Dec 2021 01:17
 Operator : JC/MD
 Sample : M4923-09DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20211201DL

Quant Time: Dec 04 11:08:10 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)

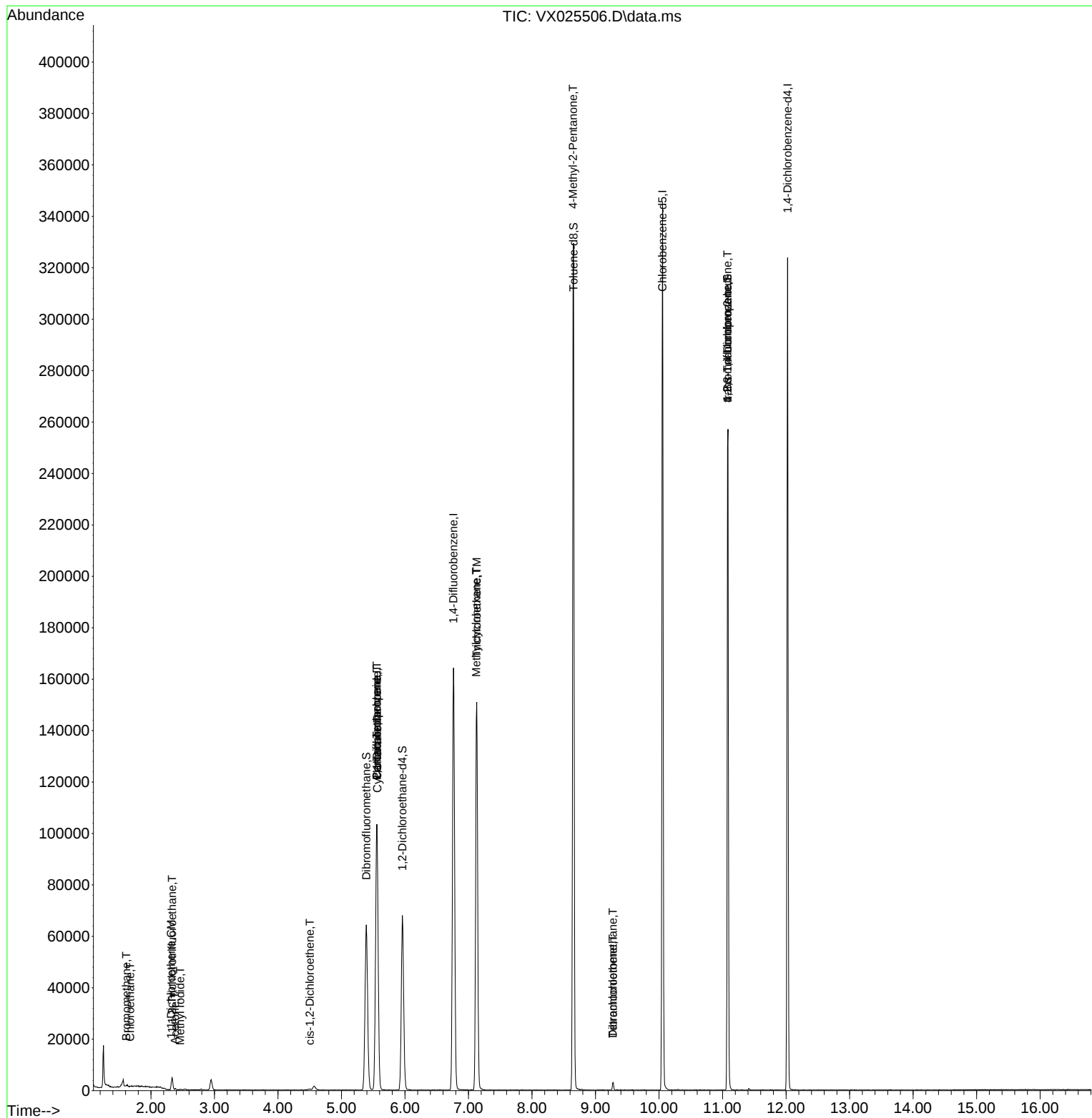
Internal Standards						
1) Pentafluorobenzene	5.556	168	104196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	178408	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	158071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	62416	56.830	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	113.660%
35) Dibromofluoromethane	5.391	113	54492	49.780	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.560%
50) Toluene-d8	8.653	98	202751	49.262	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.520%
62) 4-Bromofluorobenzene	11.079	95	70323	45.165	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.320%
Target Compounds						Qvalue
5) Bromomethane	1.611	94	208	0.394	ug/l	81
6) Chloroethane	1.672	64	195	0.230	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	1806	1.862	ug/l	97
10) Methyl Iodide	2.459	142	253	0.209	ug/l #	59
11) Tert butyl alcohol	2.946	59	2323	Below Cal	#	72
12) 1,1-Dichloroethene	2.319	96	194	0.201	ug/l #	67
16) Acetone	2.380	43	514	0.842	ug/l #	81
27) cis-1,2-Dichloroethene	4.501	96	319	0.258	ug/l	65
31) Cyclohexane	5.562	56	1816	1.070	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	7265	4.667	ug/l #	50
38) Carbon Tetrachloride	5.556	117	9695	5.655	ug/l #	16
39) Methylcyclohexane	7.123	83	744	0.373	ug/l #	1
44) Trichloroethene	7.129	130	61862	45.162	ug/l	92
51) 4-Methyl-2-Pentanone	8.647	43	892	0.483	ug/l #	1
60) Dibromochloromethane	9.275	129	568	0.403	ug/l #	11
64) Tetrachloroethene	9.275	164	595	0.456	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	34157	24.286	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34157	61.181	ug/l #	9

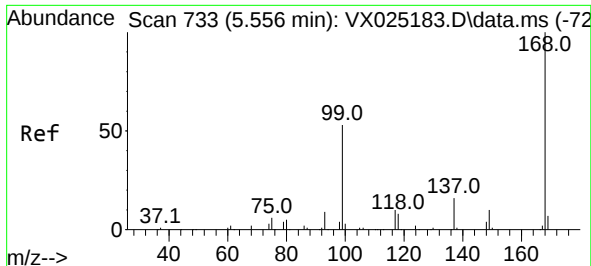
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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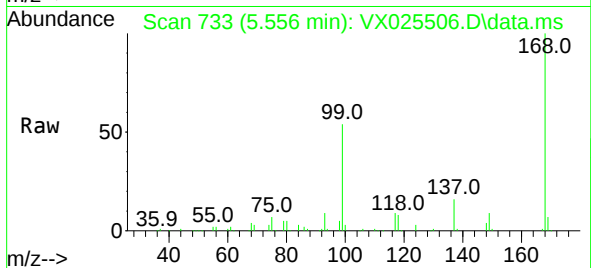
Quant Time: Dec 04 11:08:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
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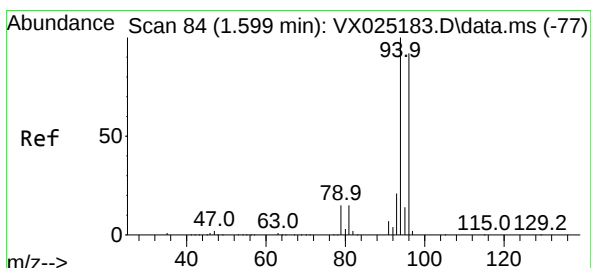
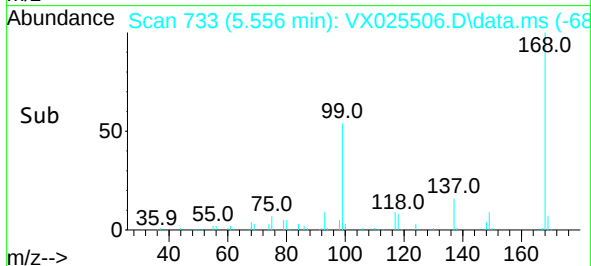
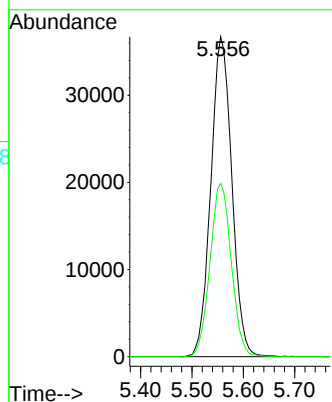


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025506.D
Acq: 04 Dec 2021 01:17

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20211201DL

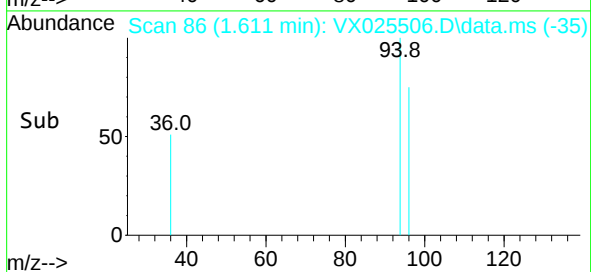
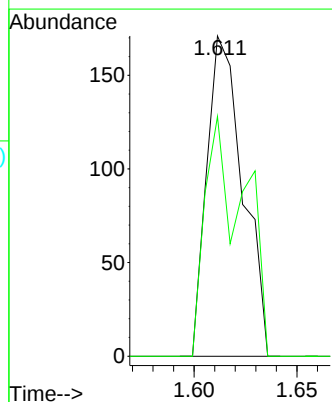
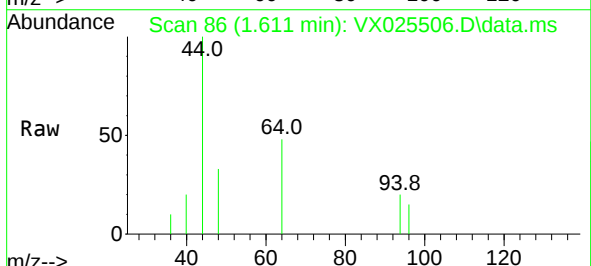


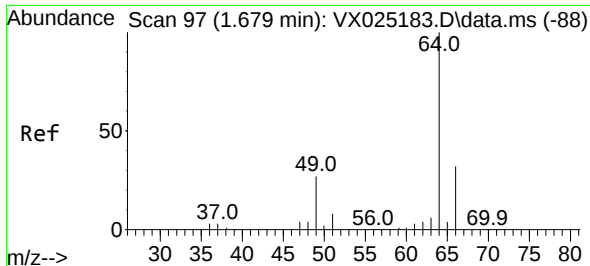
Tgt Ion:168 Resp: 104196
Ion Ratio Lower Upper
168 100
99 54.1 46.4 69.6



#5
Bromomethane
Concen: 0.394 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX025506.D
Acq: 04 Dec 2021 01:17

Tgt Ion: 94 Resp: 208
Ion Ratio Lower Upper
94 100
96 74.9 74.8 112.2

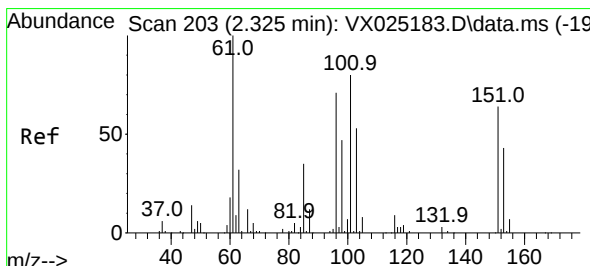
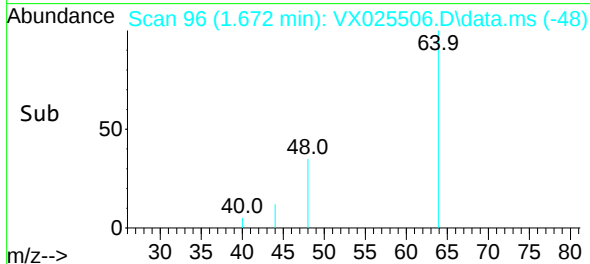
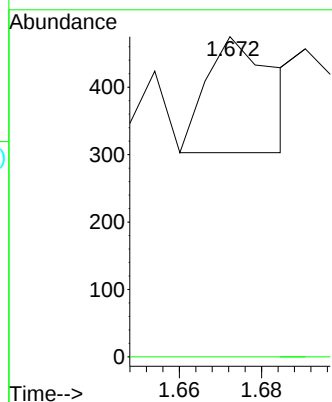
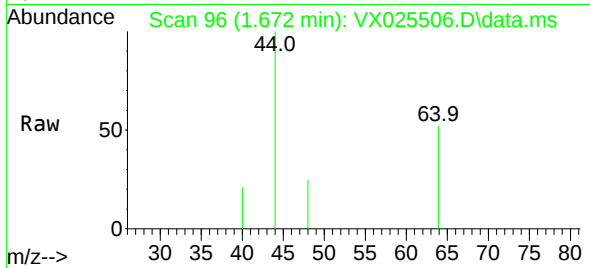




#6
Chloroethane
Concen: 0.230 ug/l
RT: 1.672 min Scan# 90
Delta R.T. -0.007 min
Lab File: VX025506.D
Acq: 04 Dec 2021 01:17

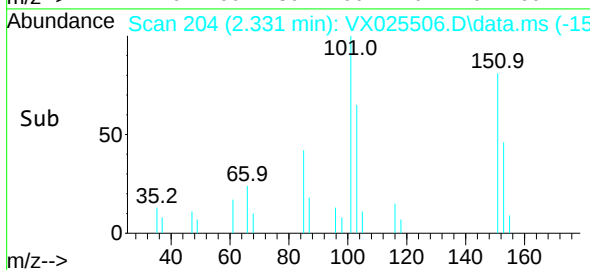
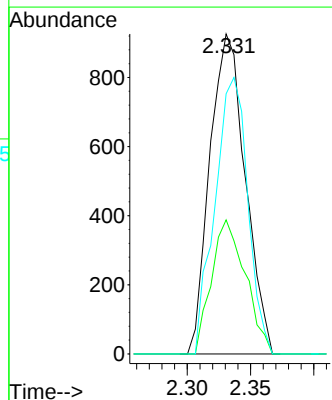
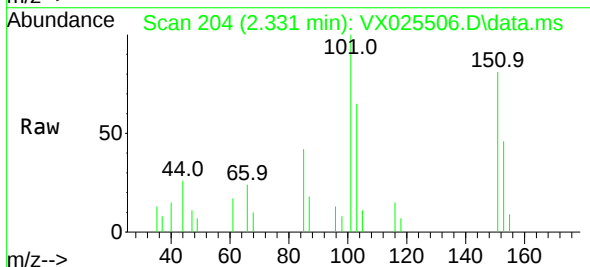
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20211201DL

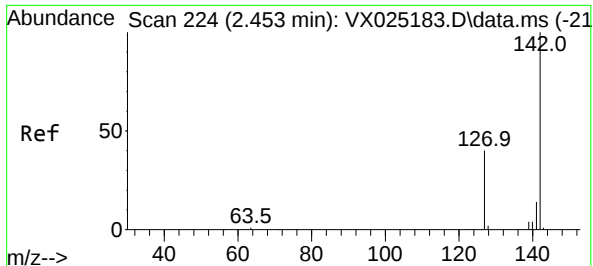
Tgt Ion: 64 Resp: 195
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.862 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX025506.D
Acq: 04 Dec 2021 01:17

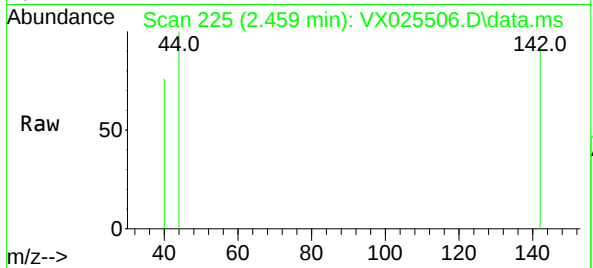
Tgt Ion: 101 Resp: 1806
Ion Ratio Lower Upper
101 100
85 40.0 35.9 53.9
151 80.0 64.4 96.6



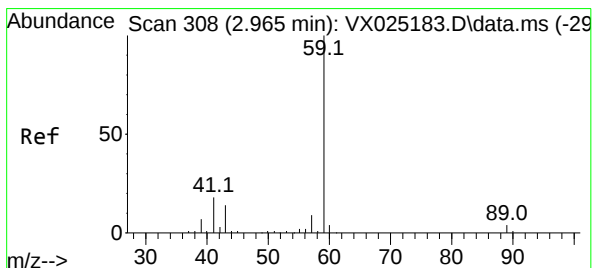
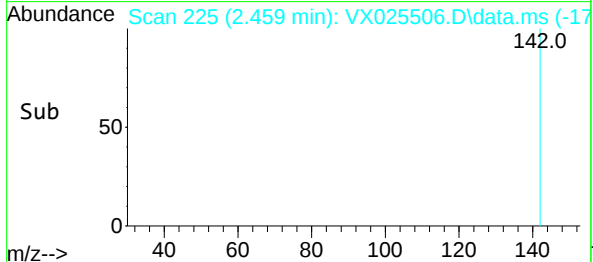
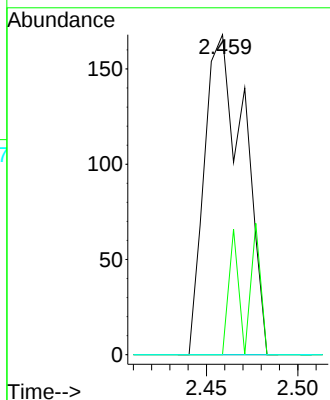


#10
Methyl Iodide
Concen: 0.209 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025506.D
Acq: 04 Dec 2021 01:17

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20211201DL

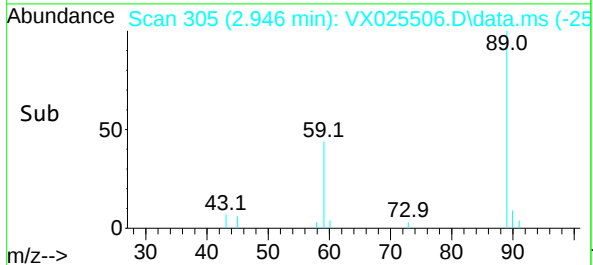
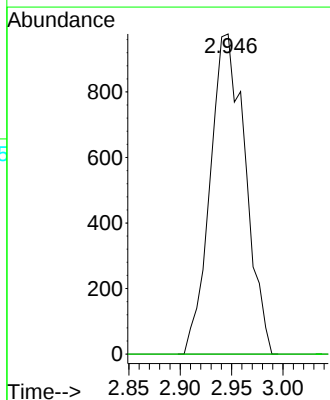
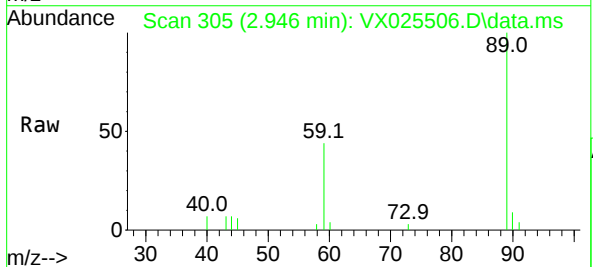


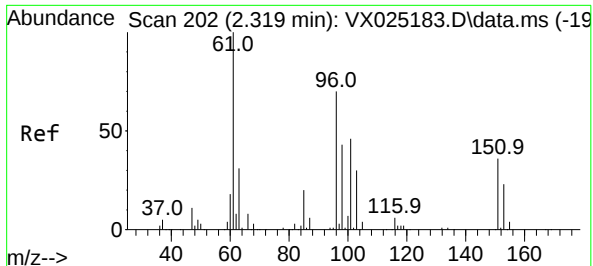
Tgt Ion:142 Resp: 253
Ion Ratio Lower Upper
142 100
127 19.4 38.9 58.3#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.019 min
Lab File: VX025506.D
Acq: 04 Dec 2021 01:17

Tgt Ion: 59 Resp: 2323
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#12

1,1-Dichloroethene

Concen: 0.201 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX025506.D

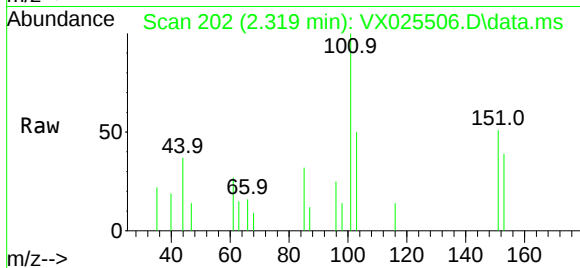
Acq: 04 Dec 2021 01:17

Instrument :

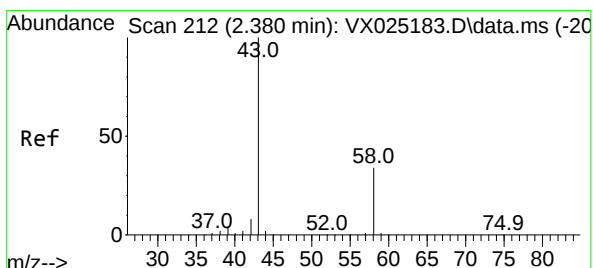
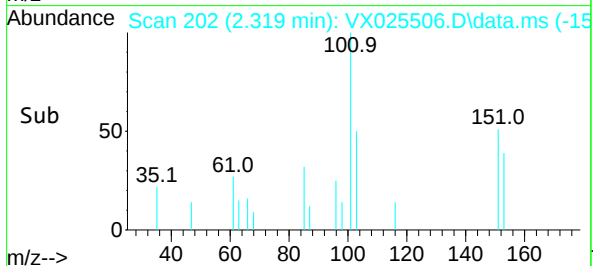
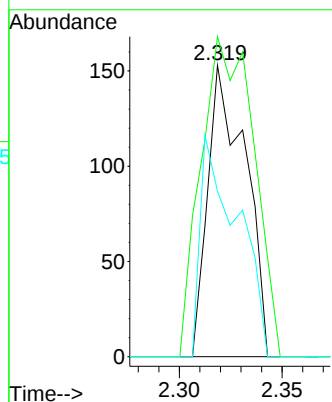
MSVOA_X

ClientSampleId :

RE120D2-20211201DL



Tgt Ion:	96	Resp:	194
Ion	Ratio	Lower	Upper
96	100		
61	109.8	134.1	201.1#
98	56.9	51.5	77.3



#16

Acetone

Concen: 0.842 ug/l

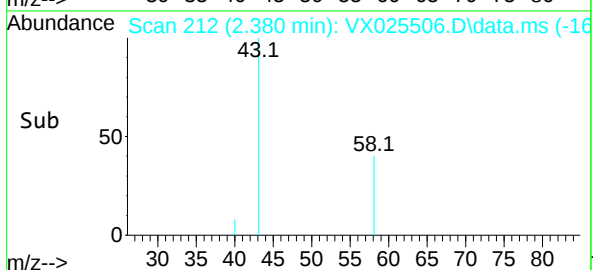
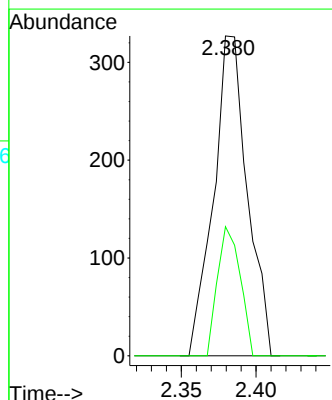
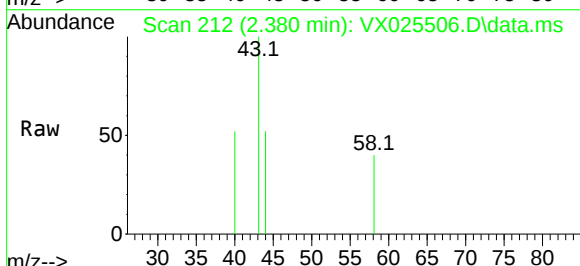
RT: 2.380 min Scan# 212

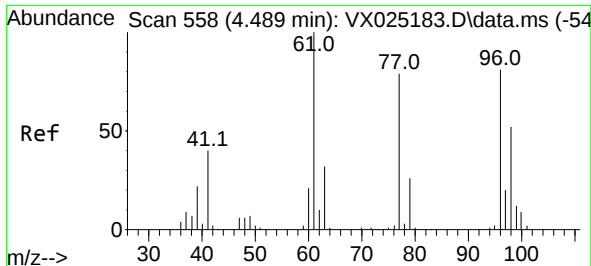
Delta R.T. -0.000 min

Lab File: VX025506.D

Acq: 04 Dec 2021 01:17

Tgt Ion:	43	Resp:	514
Ion	Ratio	Lower	Upper
43	100		
58	40.4	24.0	36.0#





#27

cis-1,2-Dichloroethene

Concen: 0.258 ug/l

RT: 4.501 min Scan# 50

Delta R.T. 0.012 min

Lab File: VX025506.D

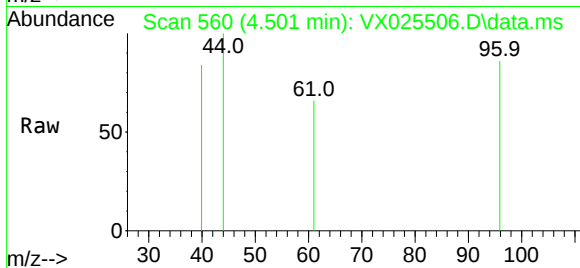
Acq: 04 Dec 2021 01:17

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20211201DL



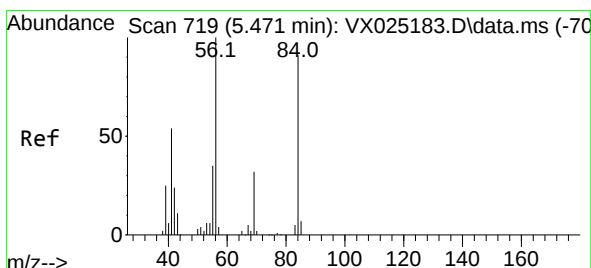
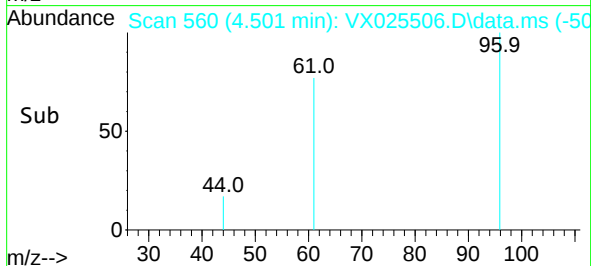
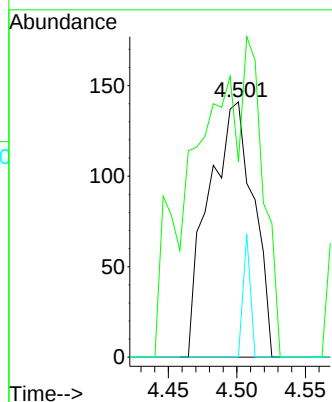
Tgt Ion: 96 Resp: 319

Ion Ratio Lower Upper

96 100

61 128.2 0.0 302.2

98 7.8 0.0 131.4



#31

Cyclohexane

Concen: 1.070 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.091 min

Lab File: VX025506.D

Acq: 04 Dec 2021 01:17

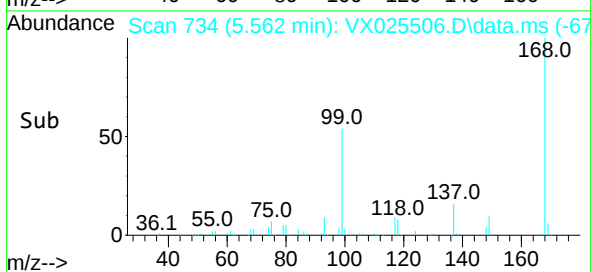
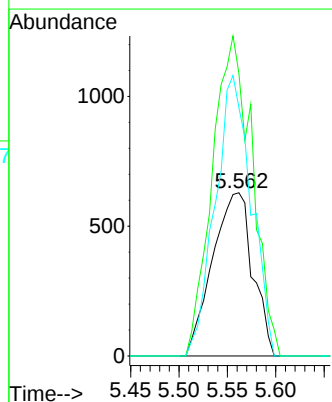
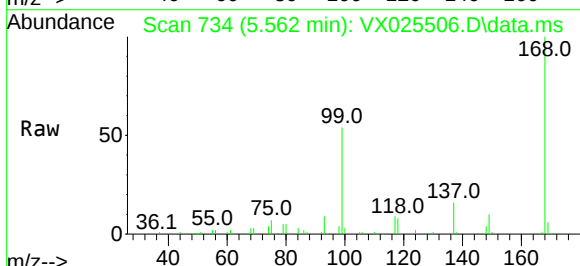
Tgt Ion: 56 Resp: 1816

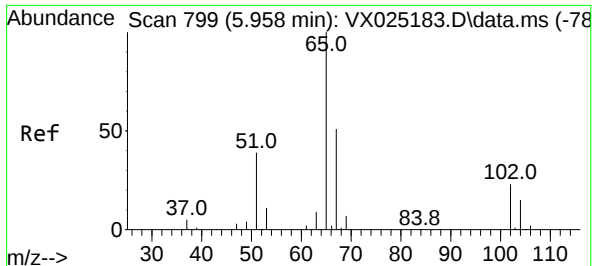
Ion Ratio Lower Upper

56 100

69 173.1 24.2 36.2#

84 152.1 71.5 107.3#





#33

1,2-Dichloroethane-d4

Concen: 56.830 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025506.D

Acq: 04 Dec 2021 01:17

Instrument :

MSVOA_X

ClientSampleId :

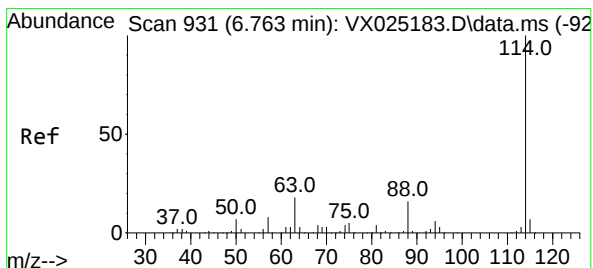
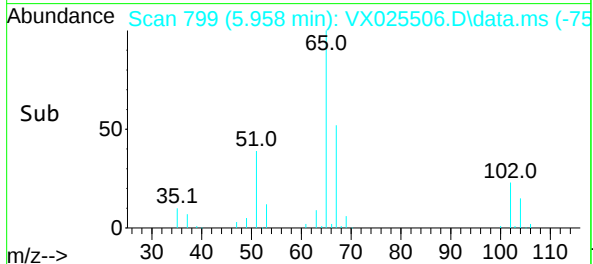
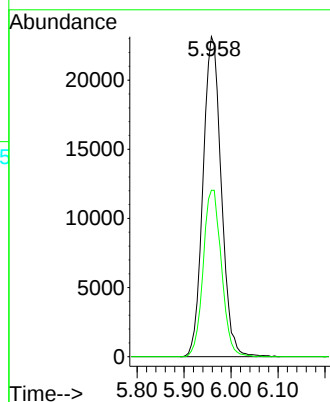
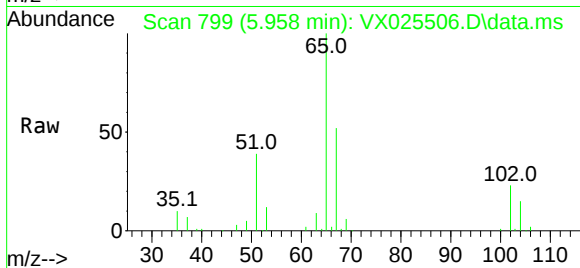
RE120D2-20211201DL

Tgt Ion: 65 Resp: 62416

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX025506.D

Acq: 04 Dec 2021 01:17

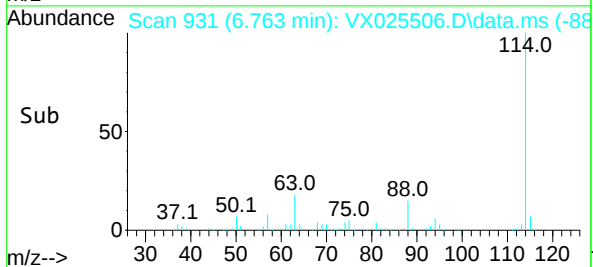
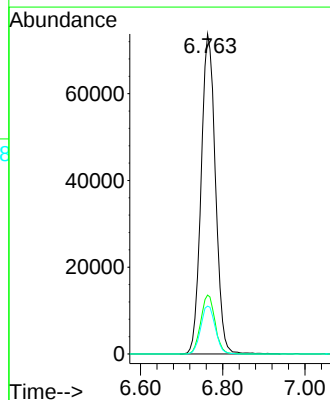
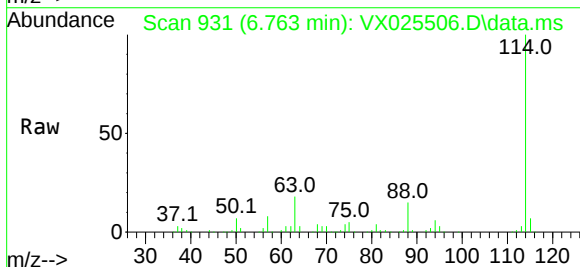
Tgt Ion: 114 Resp: 178408

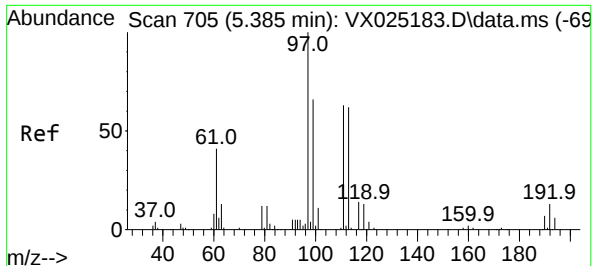
Ion Ratio Lower Upper

114 100

63 18.4 0.0 41.0

88 15.0 0.0 34.8





#35

Dibromofluoromethane

Concen: 49.780 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX025506.D

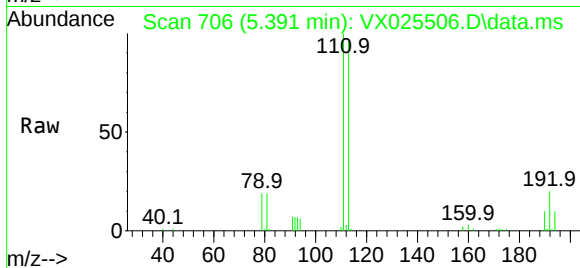
Acq: 04 Dec 2021 01:17

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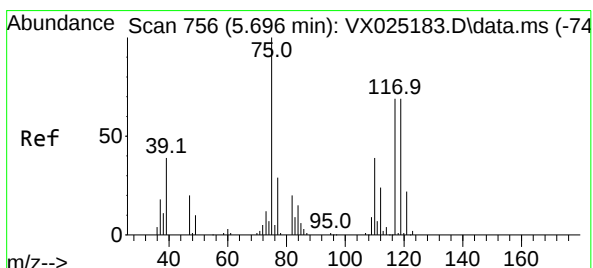
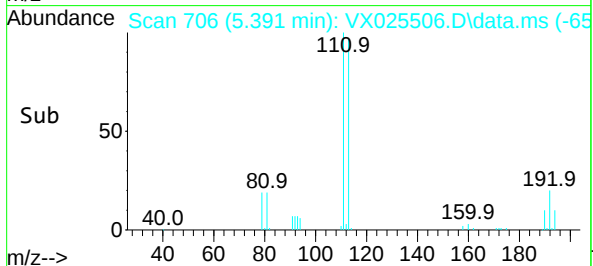
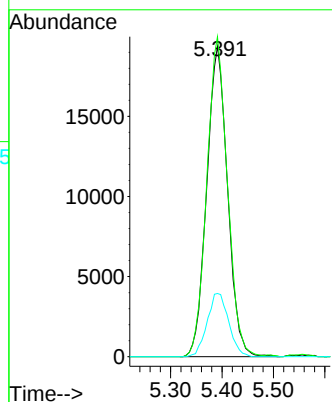
Tgt Ion:113 Resp: 54492

Ion Ratio Lower Upper

113 100

111 102.1 82.1 123.1

192 21.0 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.667 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX025506.D

Acq: 04 Dec 2021 01:17

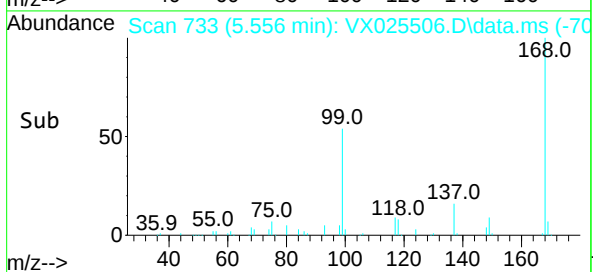
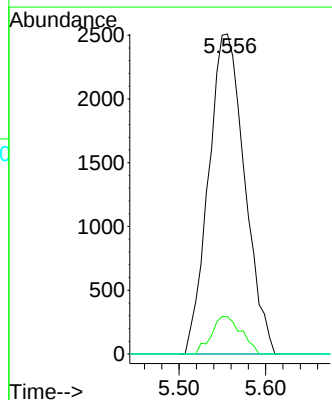
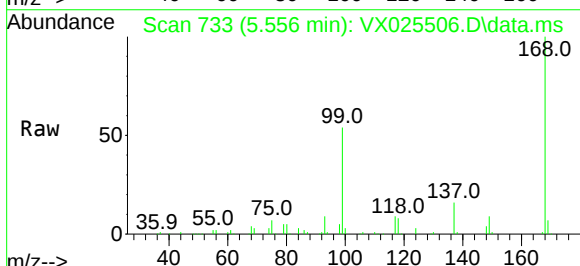
Tgt Ion: 75 Resp: 7265

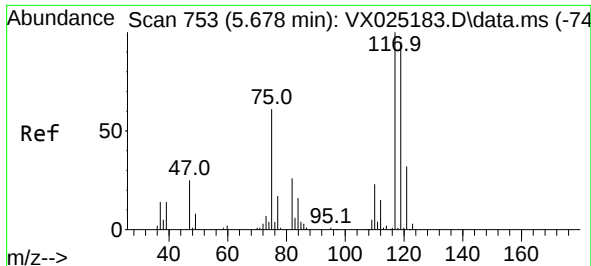
Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.3#

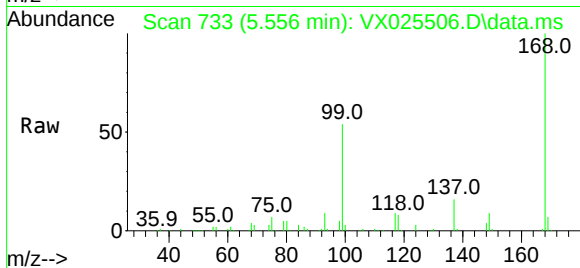
77 0.0 24.4 36.6#



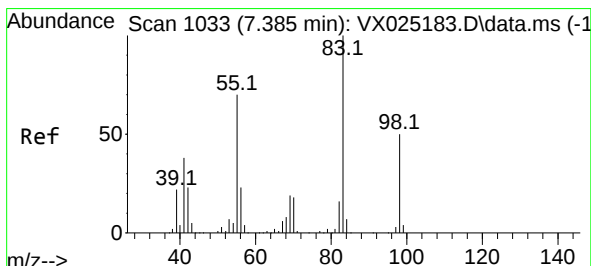
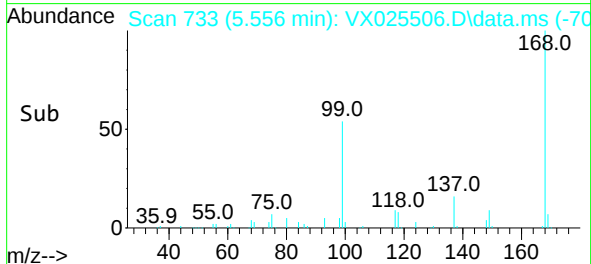
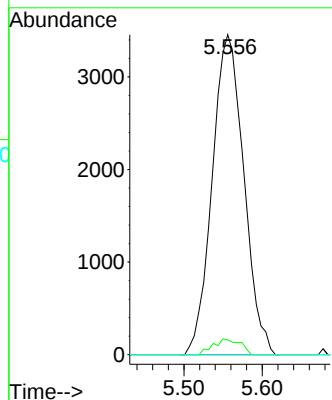


#38
Carbon Tetrachloride
Concen: 5.655 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX025506.D
Acq: 04 Dec 2021 01:17

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20211201DL

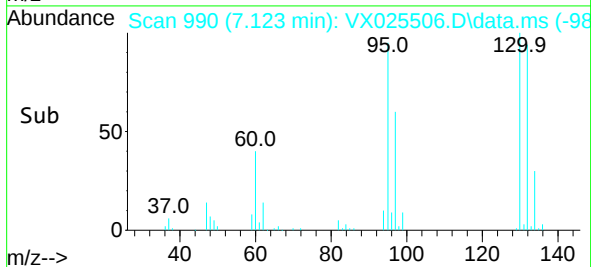
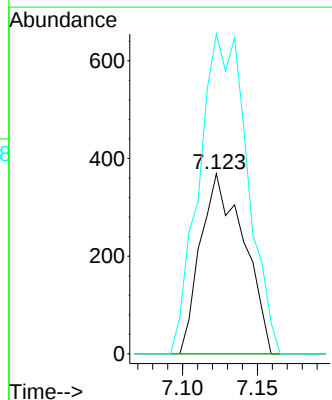
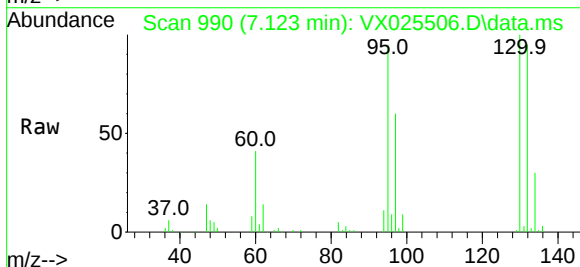


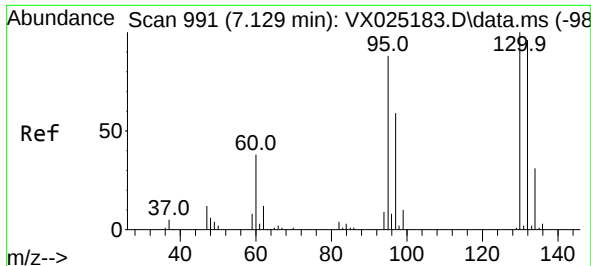
Tgt Ion:117 Resp: 9695
Ion Ratio Lower Upper
117 100
119 4.6 75.6 113.4#
121 0.0 23.7 35.5#



#39
Methylcyclohexane
Concen: 0.373 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX025506.D
Acq: 04 Dec 2021 01:17

Tgt Ion: 83 Resp: 744
Ion Ratio Lower Upper
83 100
55 0.0 60.8 91.2#
98 177.5 37.0 55.4#

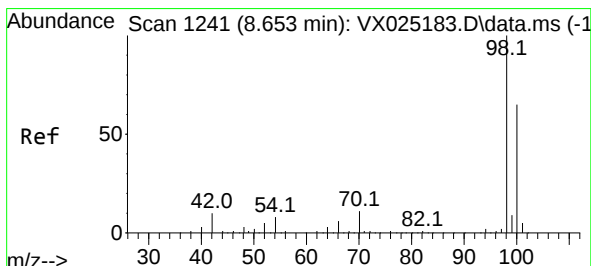
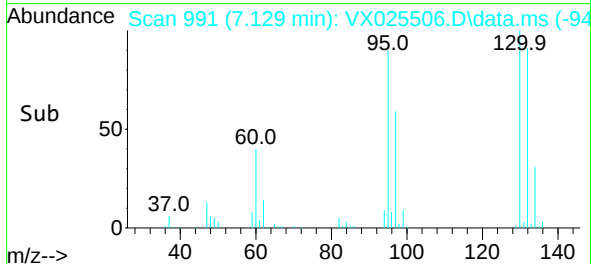
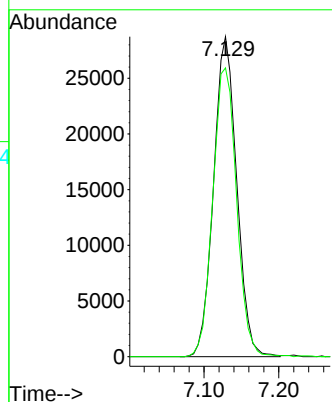
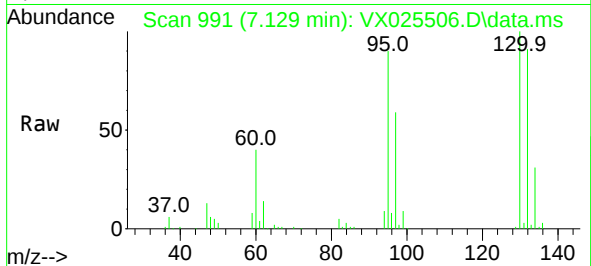




#44
Trichloroethene
Concen: 45.162 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX025506.D
Acq: 04 Dec 2021 01:17

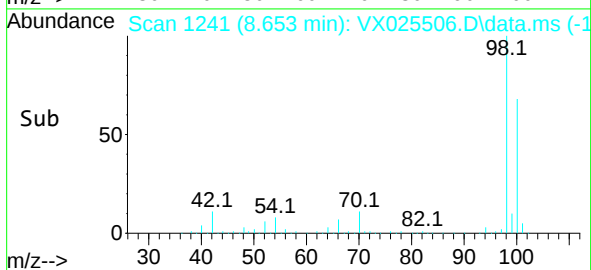
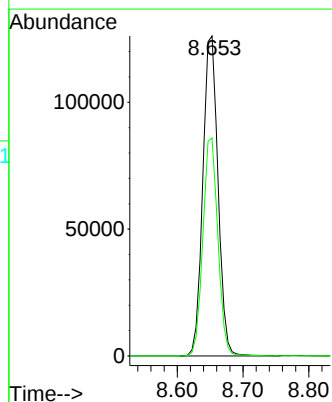
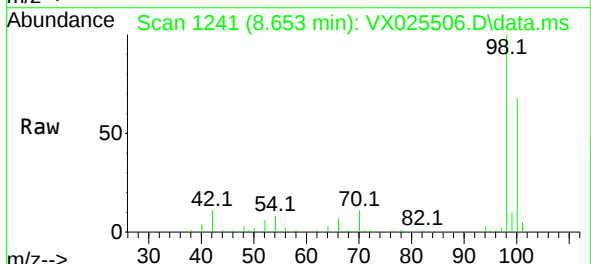
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20211201DL

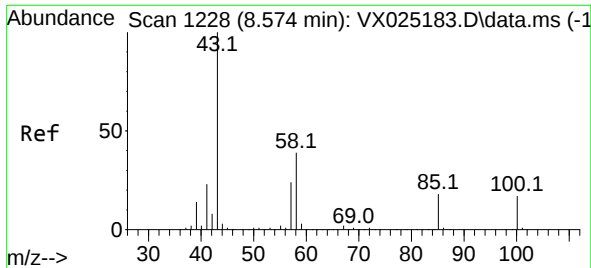
Tgt Ion:130 Resp: 61862
Ion Ratio Lower Upper
130 100
95 90.3 0.0 196.8



#50
Toluene-d8
Concen: 49.262 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025506.D
Acq: 04 Dec 2021 01:17

Tgt Ion: 98 Resp: 202751
Ion Ratio Lower Upper
98 100
100 67.3 51.4 77.0

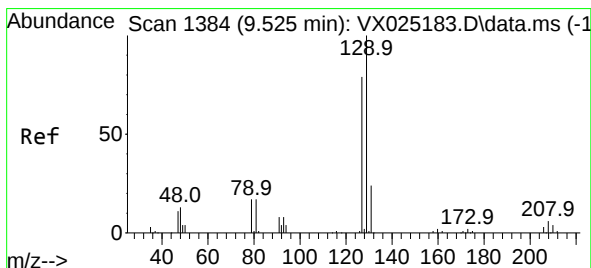
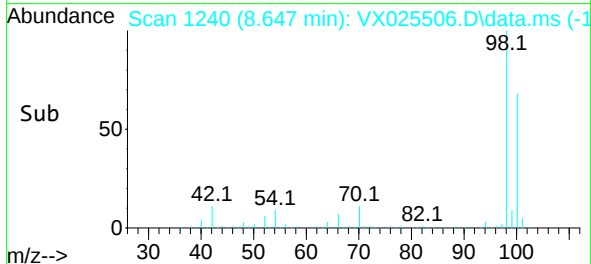
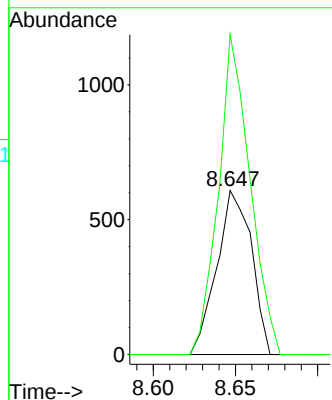
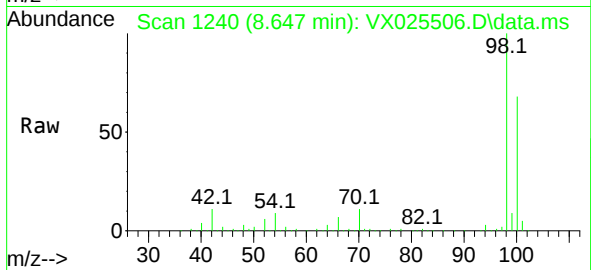




#51
4-Methyl-2-Pentanone
Concen: 0.483 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX025506.D
Acq: 04 Dec 2021 01:17

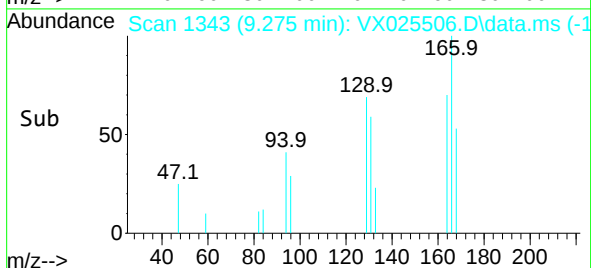
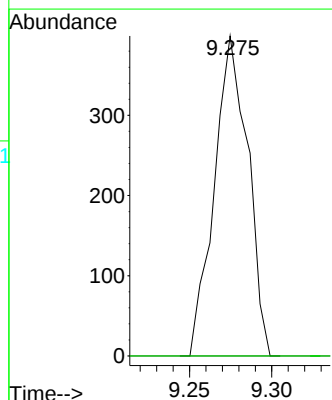
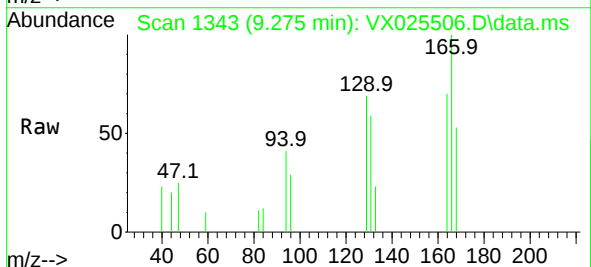
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20211201DL

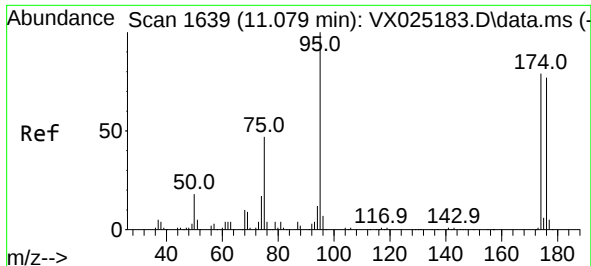
Tgt Ion: 43 Resp: 892
Ion Ratio Lower Upper
43 100
58 178.4 30.9 46.3#



#60
Dibromochloromethane
Concen: 0.403 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX025506.D
Acq: 04 Dec 2021 01:17

Tgt Ion: 129 Resp: 568
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

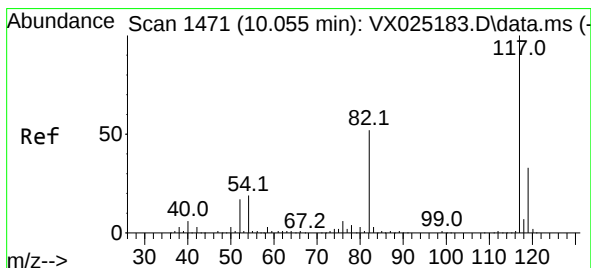
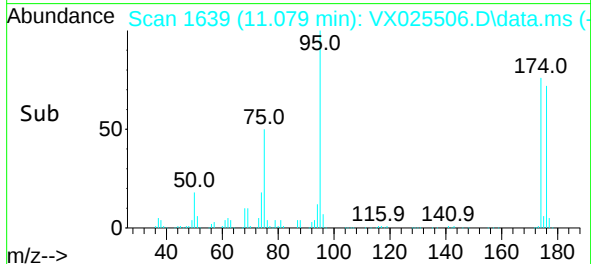
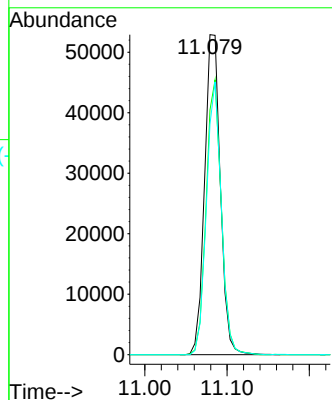
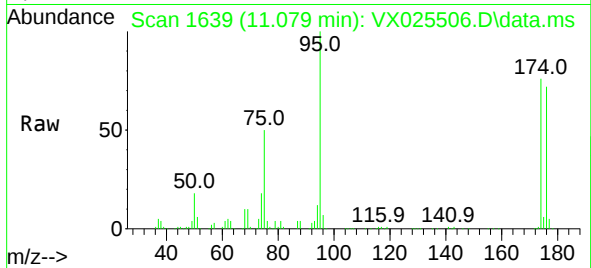




#62
4-Bromofluorobenzene
Concen: 45.165 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025506.D
Acq: 04 Dec 2021 01:17

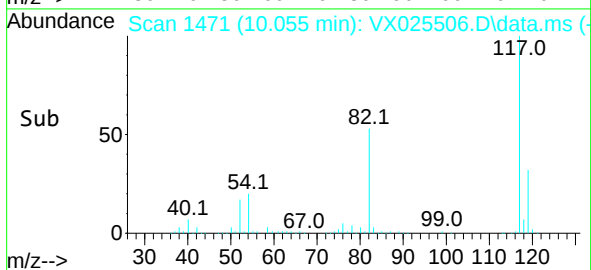
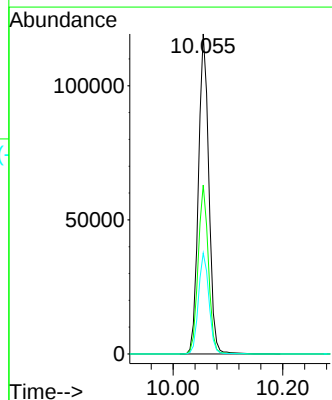
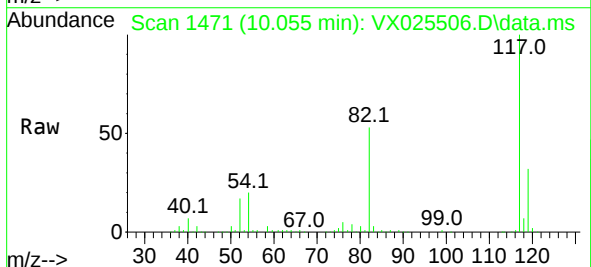
Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20211201DL

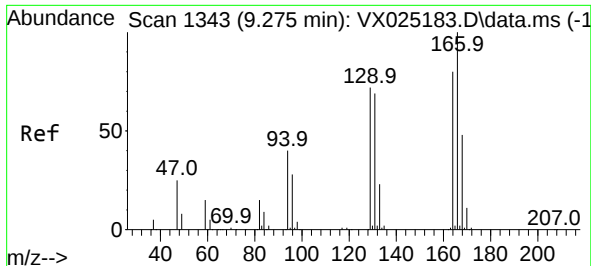
Tgt Ion: 95 Resp: 70323
Ion Ratio Lower Upper
95 100
174 82.7 0.0 158.0
176 80.7 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025506.D
Acq: 04 Dec 2021 01:17

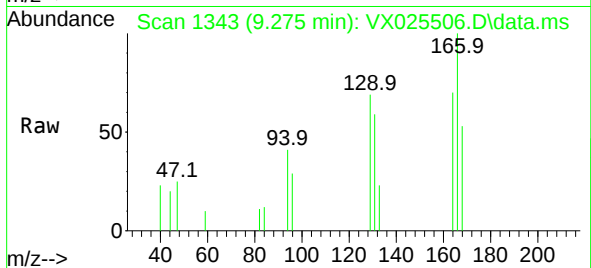
Tgt Ion: 117 Resp: 158071
Ion Ratio Lower Upper
117 100
82 52.8 44.6 67.0
119 31.6 24.8 37.2



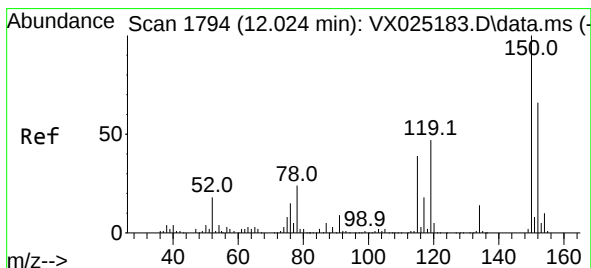
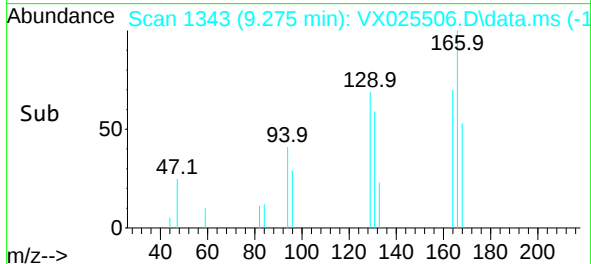
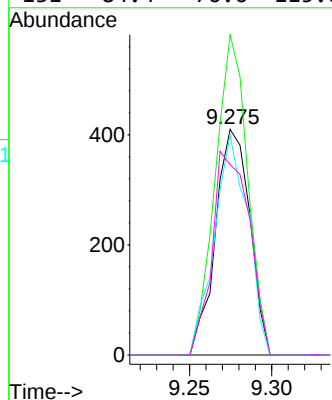


#64
Tetrachloroethene
Concen: 0.456 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025506.D
Acq: 04 Dec 2021 01:17

Instrument :
MSVOA_X
ClientSampleId :
RE120D2-20211201DL

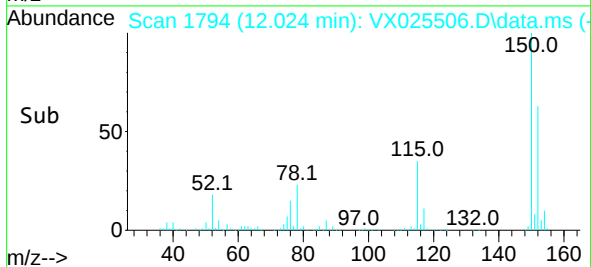
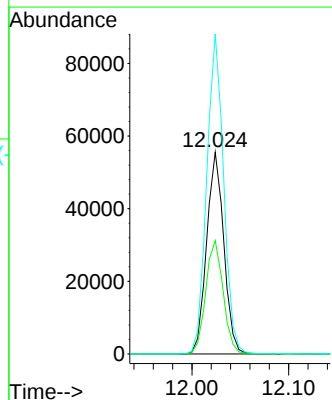
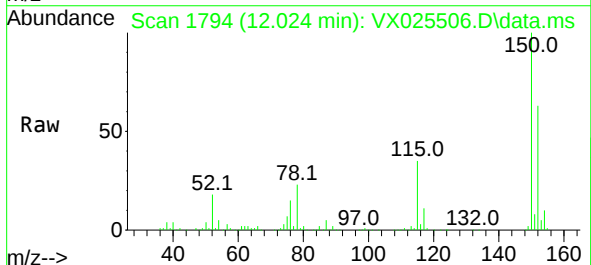


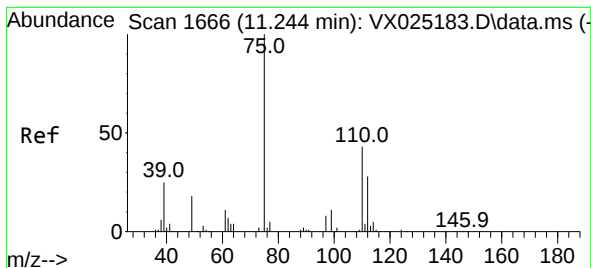
Tgt Ion:164 Resp: 595
Ion Ratio Lower Upper
164 100
166 142.0 103.2 154.8
129 97.3 81.0 121.4
131 84.4 76.6 115.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025506.D
Acq: 04 Dec 2021 01:17

Tgt Ion:152 Resp: 68681
Ion Ratio Lower Upper
152 100
115 57.0 43.3 129.8
150 155.7 0.0 351.2





#76

1,2,3-Trichloropropane

Concen: 24.286 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.165 min

Lab File: VX025506.D

Acq: 04 Dec 2021 01:17

Instrument :

MSVOA_X

ClientSampleId :

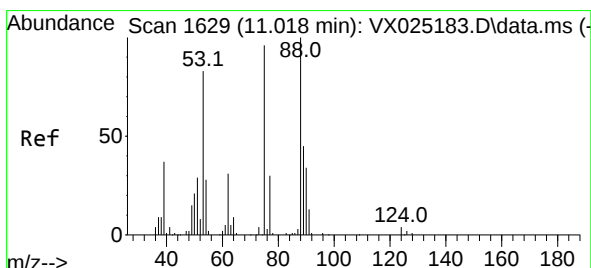
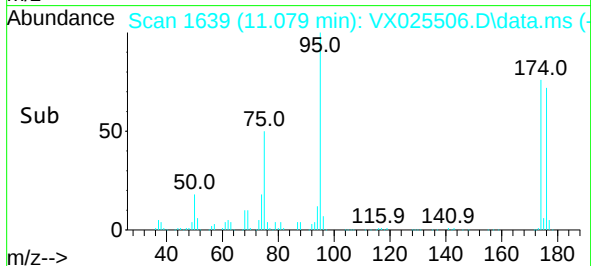
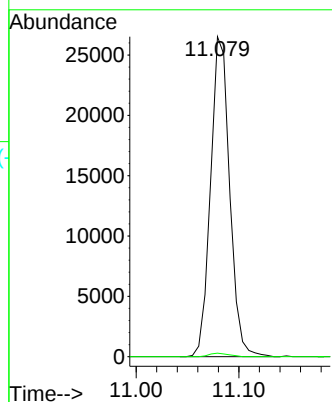
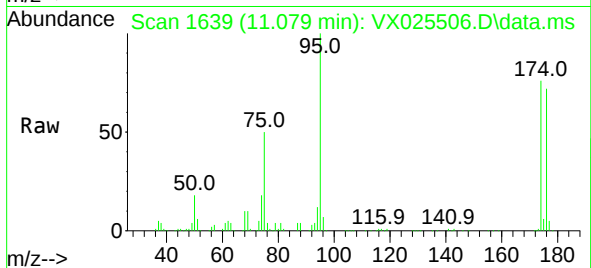
RE120D2-20211201DL

Tgt Ion: 75 Resp: 34157

Ion Ratio Lower Upper

75 100

77 1.1 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.181 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX025506.D

Acq: 04 Dec 2021 01:17

Tgt Ion: 75 Resp: 34157

Ion Ratio Lower Upper

75 100

53 0.0 81.9 122.9#

89 0.0 38.2 57.2#

