

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120621\
 Data File : VX025544.D
 Acq On : 06 Dec 2021 13:21
 Operator : JC/MD
 Sample : M4923-15DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D1-20211201DL

Quant Time: Dec 07 05:58:31 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	99146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	163240	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	144921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63259	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57650	55.164	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.320%	
35) Dibromofluoromethane	5.391	113	50457	50.377	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.760%	
50) Toluene-d8	8.653	98	186900	49.630	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.260%	
62) 4-Bromofluorobenzene	11.085	95	64955	45.594	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.180%	

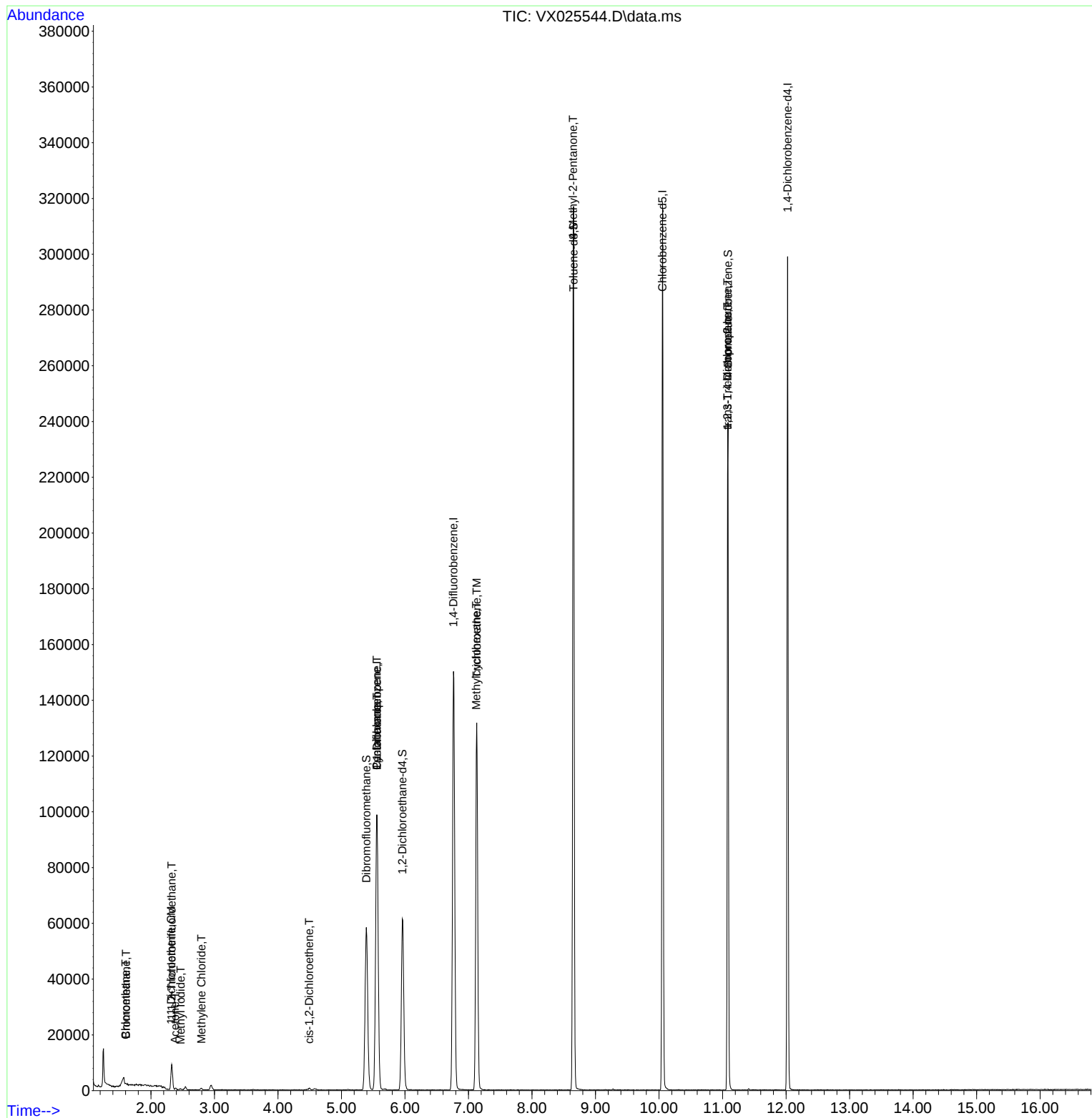
Target Compounds					Qvalue	
5) Bromomethane	1.605	94	275	0.547	ug/l	92
6) Chloroethane	1.599	64	748	0.928	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	2712	2.939	ug/l	97
10) Methyl Iodide	2.465	142	389	0.337	ug/l #	62
11) Tert butyl alcohol	2.940	59	1139	Below Cal	#	72
12) 1,1-Dichloroethene	2.319	96	1066	1.160	ug/l	78
16) Acetone	2.380	43	643	1.107	ug/l	94
20) Methylene Chloride	2.794	84	295	0.270	ug/l #	81
27) cis-1,2-Dichloroethene	4.489	96	390	0.332	ug/l	91
31) Cyclohexane	5.556	56	1780	1.102	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	6965	4.890	ug/l #	49
39) Methylcyclohexane	7.123	83	589	0.322	ug/l #	1
44) Trichloroethene	7.129	130	53514	42.698	ug/l	92
51) 4-Methyl-2-Pentanone	8.647	43	821	0.486	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	31342	24.195	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	31342	60.950	ug/l #	9
95) Naphthalene	13.780	128	63	Below Cal	#	69

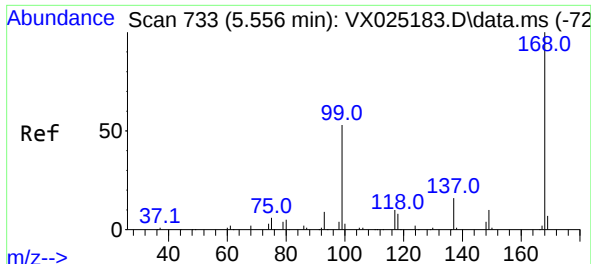
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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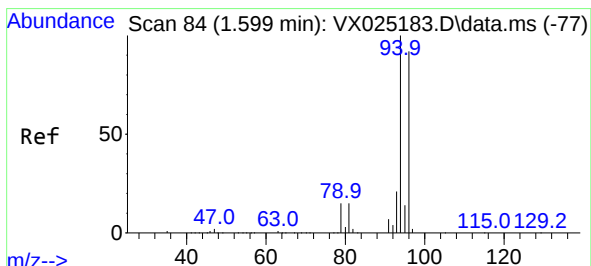
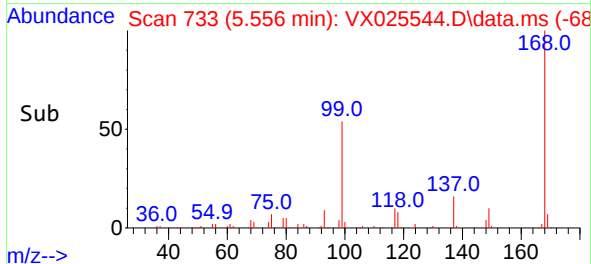
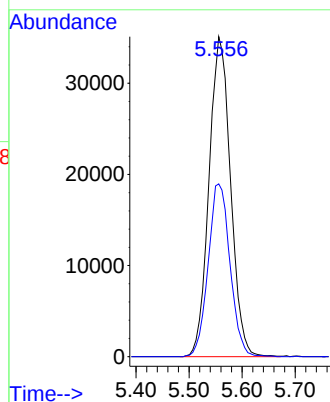
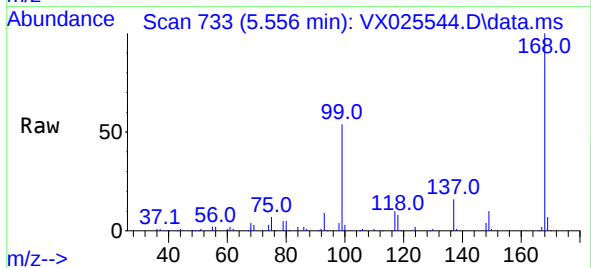




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025544.D
Acq: 06 Dec 2021 13:21

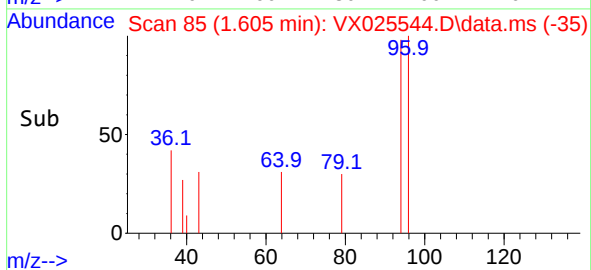
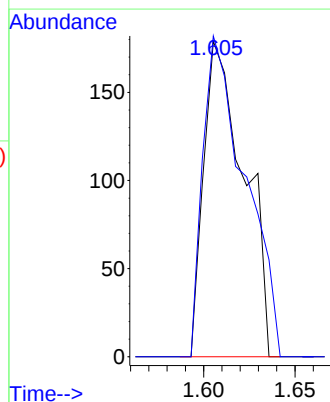
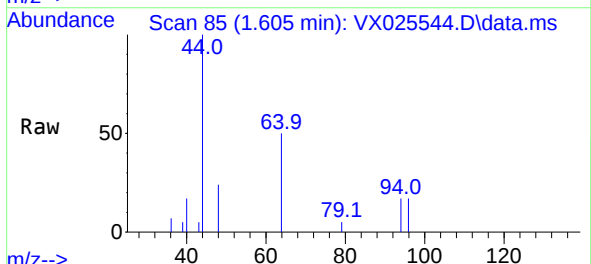
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20211201DL

Tgt Ion:168 Resp: 99146
Ion Ratio Lower Upper
168 100
99 54.0 46.4 69.6

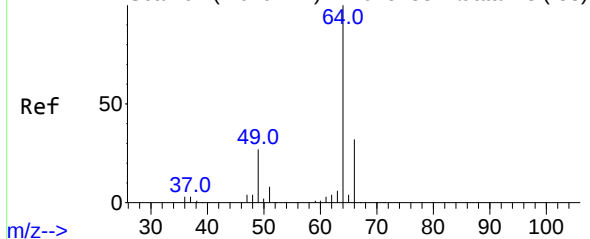


#5
Bromomethane
Concen: 0.547 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX025544.D
Acq: 06 Dec 2021 13:21

Tgt Ion: 94 Resp: 275
Ion Ratio Lower Upper
94 100
96 101.7 74.8 112.2



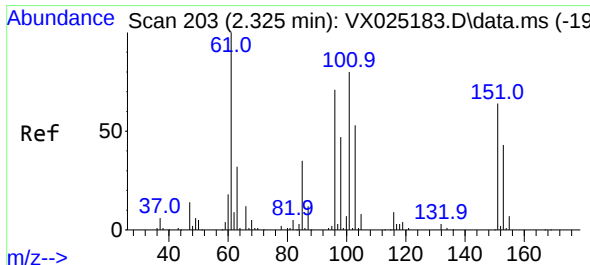
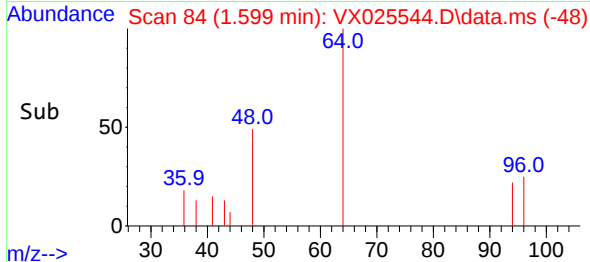
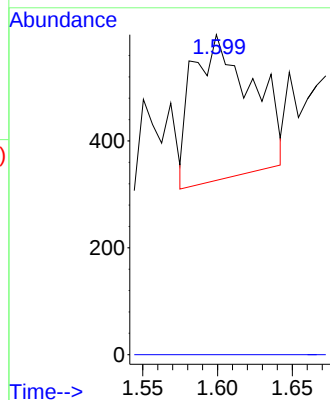
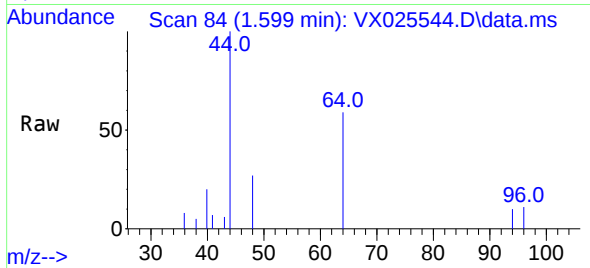
Abundance Scan 97 (1.679 min): VX025183.D\data.ms (-88)



#6
Chloroethane
Concen: 0.928 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.080 min
Lab File: VX025544.D
Acq: 06 Dec 2021 13:21

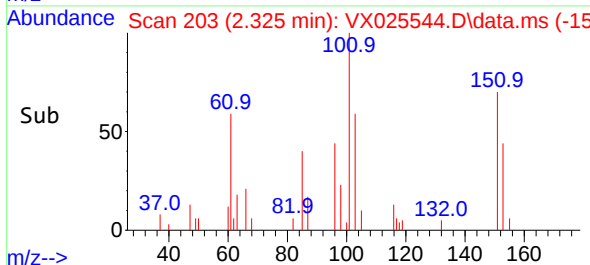
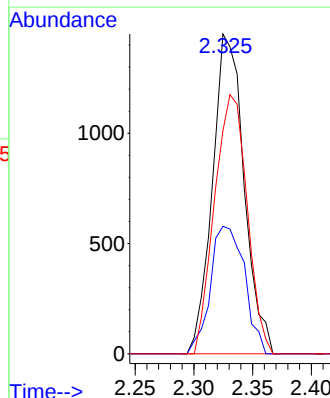
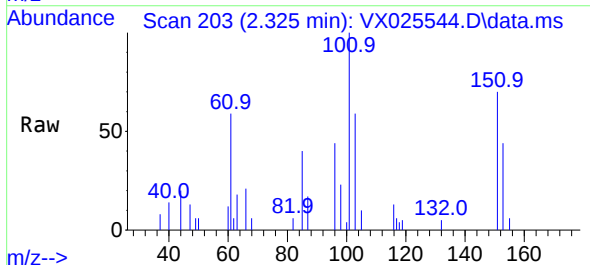
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20211201DL

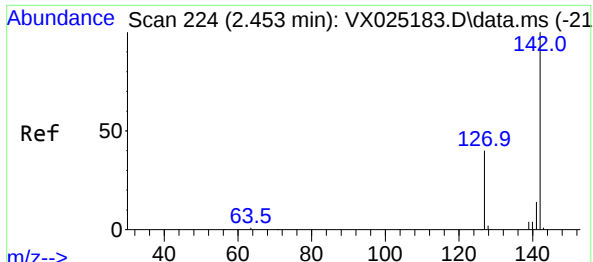
Tgt Ion: 64 Resp: 748
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.939 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX025544.D
Acq: 06 Dec 2021 13:21

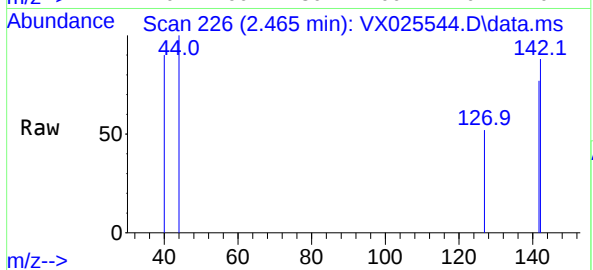
Tgt Ion: 101 Resp: 2712
Ion Ratio Lower Upper
101 100
85 43.0 35.9 53.9
151 83.5 64.4 96.6



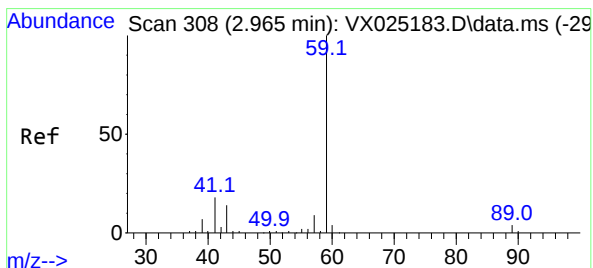
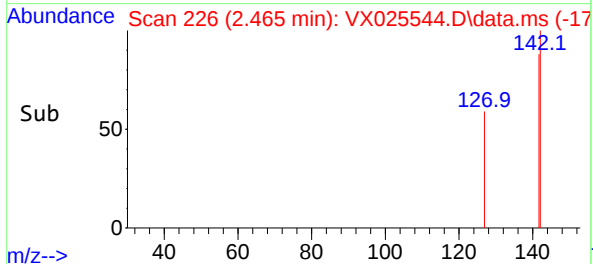
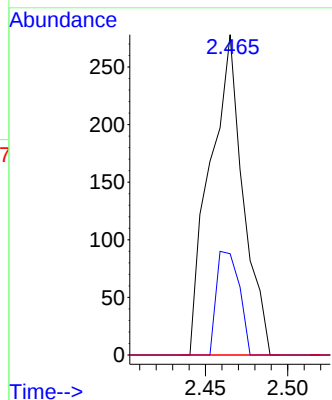


#10
Methyl Iodide
Concen: 0.337 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX025544.D
Acq: 06 Dec 2021 13:21

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20211201DL

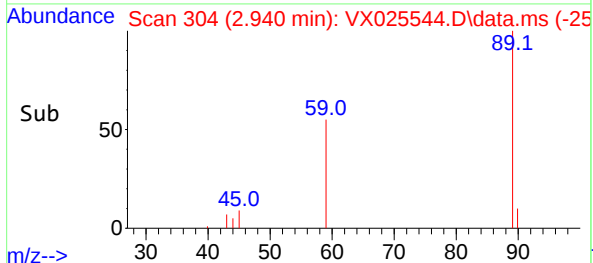
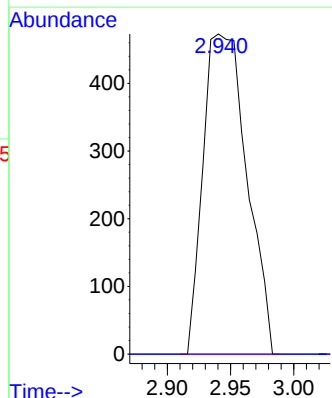
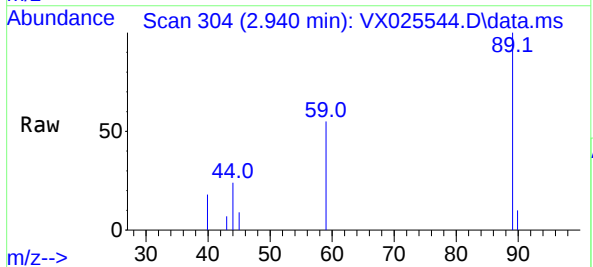


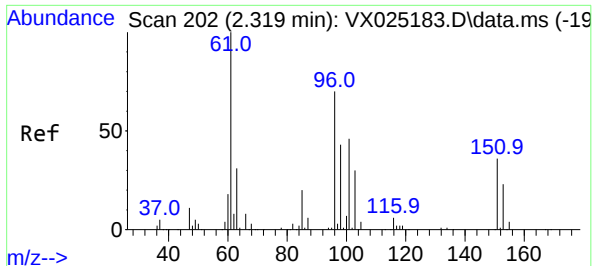
Tgt Ion:142 Resp: 389
Ion Ratio Lower Upper
142 100
127 22.4 38.9 58.3#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.025 min
Lab File: VX025544.D
Acq: 06 Dec 2021 13:21

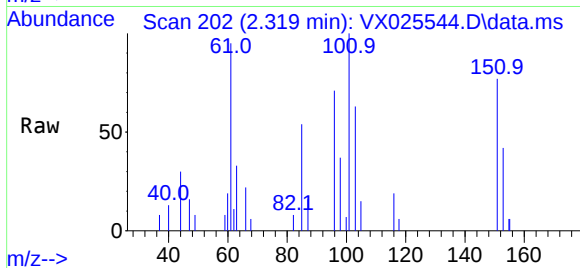
Tgt Ion: 59 Resp: 1139
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





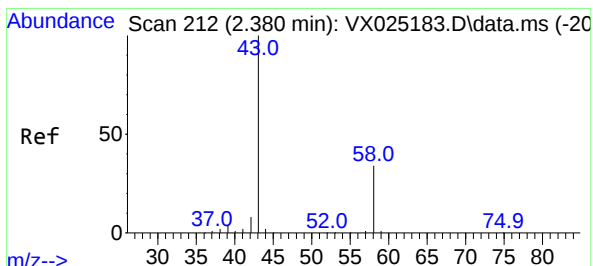
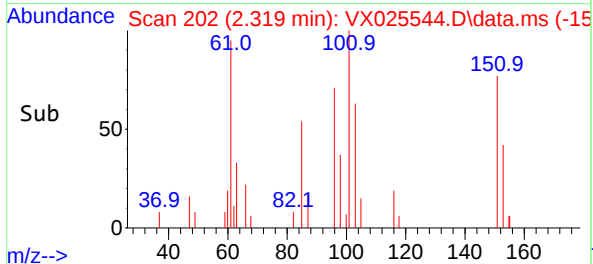
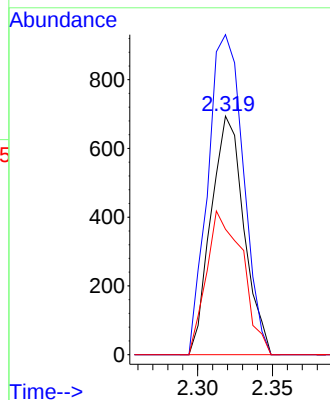
#12
1,1-Dichloroethene
Concen: 1.160 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX025544.D
Acq: 06 Dec 2021 13:21

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20211201DL



Tgt Ion: 96 Resp: 1066

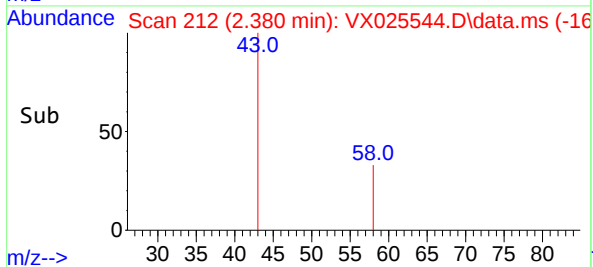
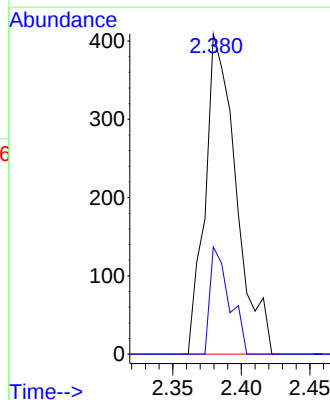
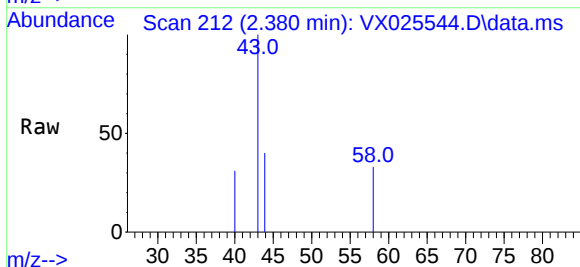
Ion	Ratio	Lower	Upper
96	100		
61	134.1	134.1	201.1
98	52.6	51.5	77.3

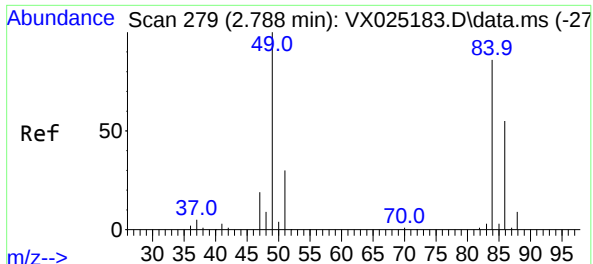


#16
Acetone
Concen: 1.107 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025544.D
Acq: 06 Dec 2021 13:21

Tgt Ion: 43 Resp: 643

Ion	Ratio	Lower	Upper
43	100		
58	33.5	24.0	36.0





#20

Methylene Chloride

Concen: 0.270 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX025544.D

Acq: 06 Dec 2021 13:21

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-20211201DL

Tgt Ion: 84 Resp: 295

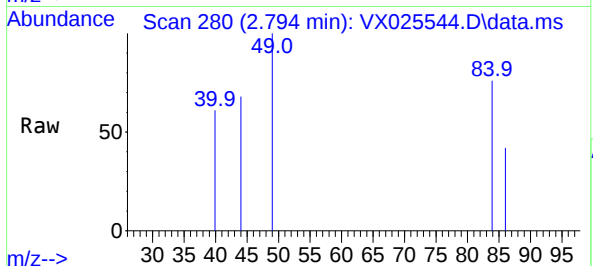
Ion Ratio Lower Upper

84 100

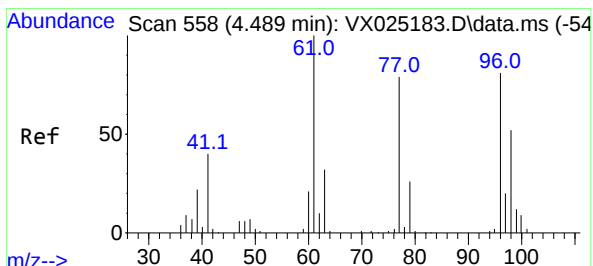
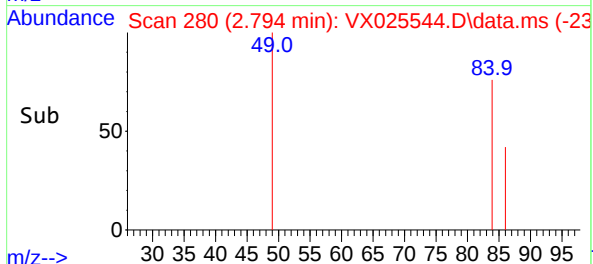
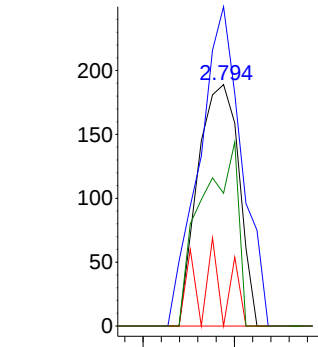
49 132.3 98.2 147.2

51 0.0 30.2 45.4#

86 55.0 52.2 78.2



Abundance



#27

cis-1,2-Dichloroethene

Concen: 0.332 ug/l

RT: 4.489 min Scan# 558

Delta R.T. -0.000 min

Lab File: VX025544.D

Acq: 06 Dec 2021 13:21

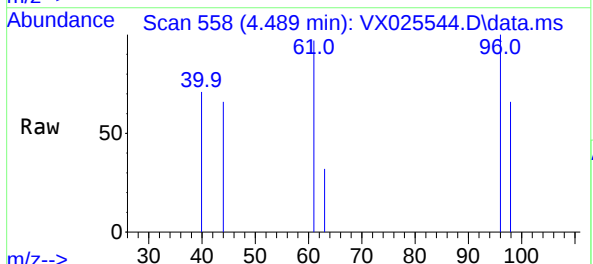
Tgt Ion: 96 Resp: 390

Ion Ratio Lower Upper

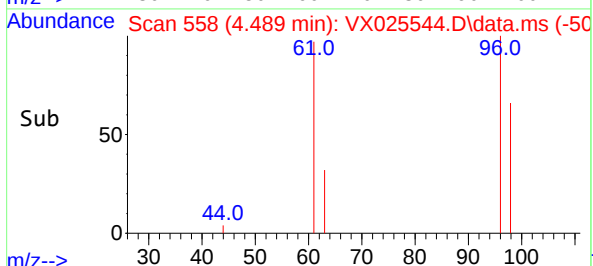
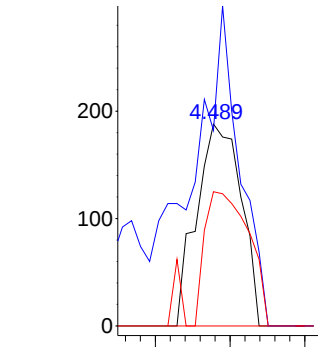
96 100

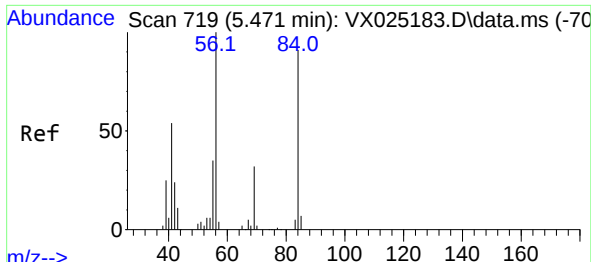
61 166.7 0.0 302.2

98 65.6 0.0 131.4



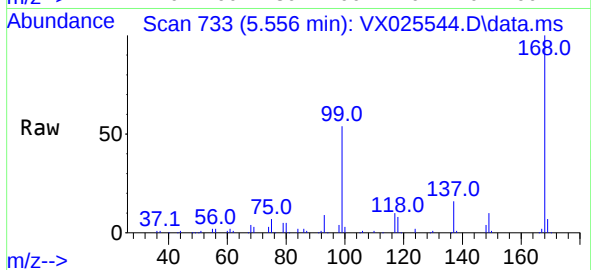
Abundance



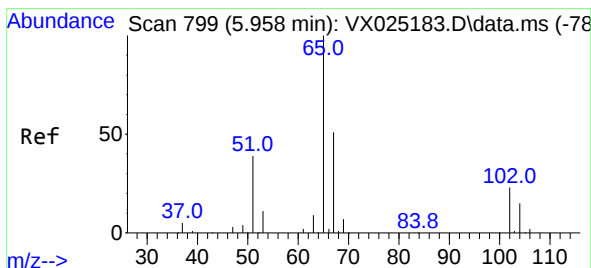
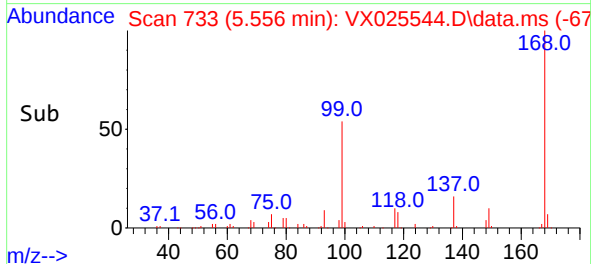
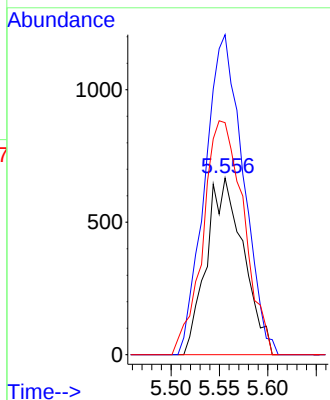


#31
Cyclohexane
Concen: 1.102 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX025544.D
Acq: 06 Dec 2021 13:21

Instrument :
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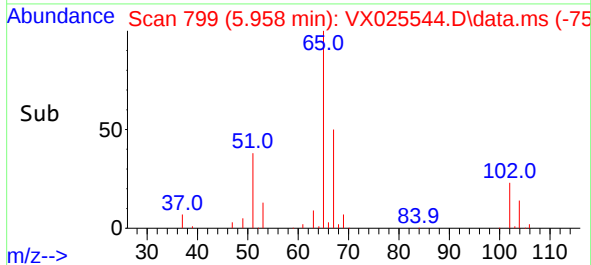
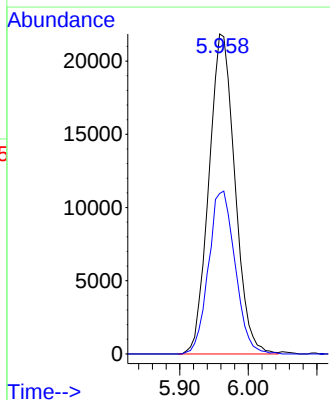
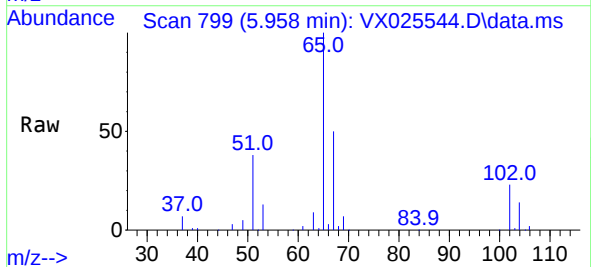


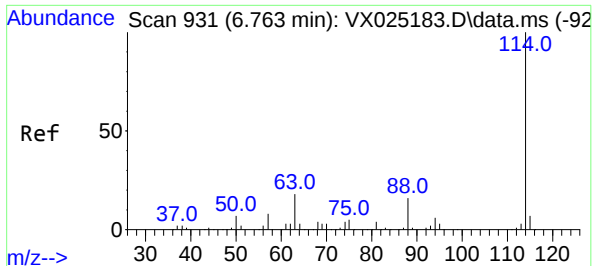
Tgt Ion: 56 Resp: 1780
Ion Ratio Lower Upper
56 100
69 181.1 24.2 36.2#
84 131.3 71.5 107.3#



#33
1,2-Dichloroethane-d4
Concen: 55.164 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX025544.D
Acq: 06 Dec 2021 13:21

Tgt Ion: 65 Resp: 57650
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# 91

Delta R.T. -0.000 min

Lab File: VX025544.D

Acq: 06 Dec 2021 13:21

Instrument :

MSVOA_X

ClientSampleId :

TT101D1-20211201DL

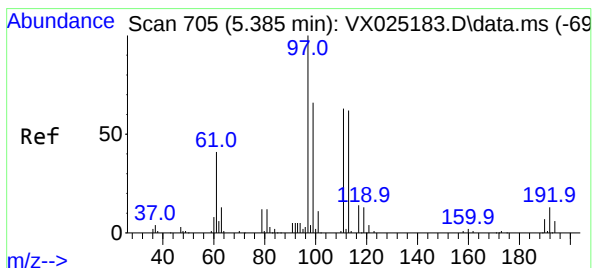
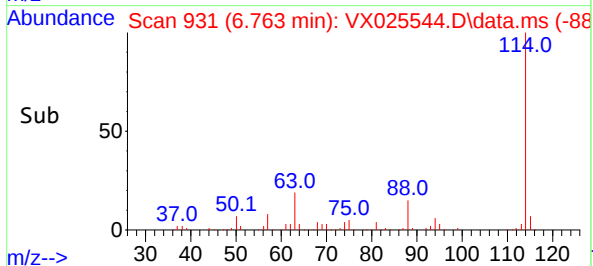
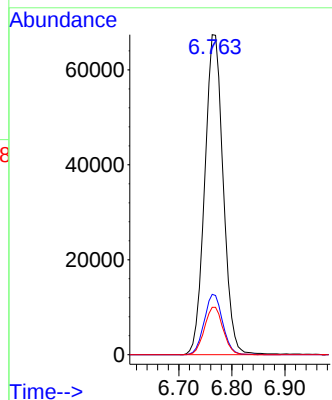
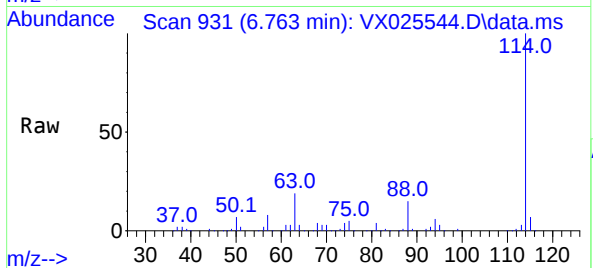
Tgt Ion:114 Resp: 163240

Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.0

88 14.8 0.0 34.8



#35

Dibromofluoromethane

Concen: 50.377 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX025544.D

Acq: 06 Dec 2021 13:21

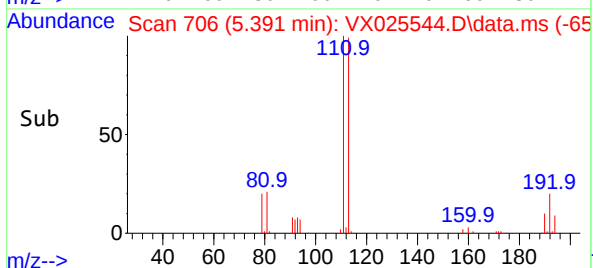
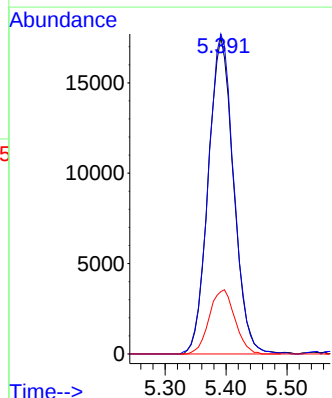
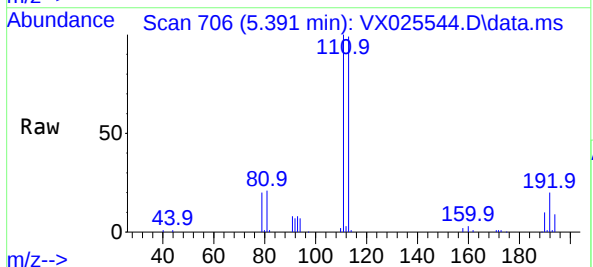
Tgt Ion:113 Resp: 50457

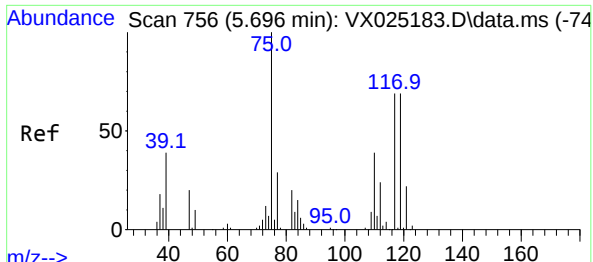
Ion Ratio Lower Upper

113 100

111 101.9 82.1 123.1

192 20.6 15.6 23.4

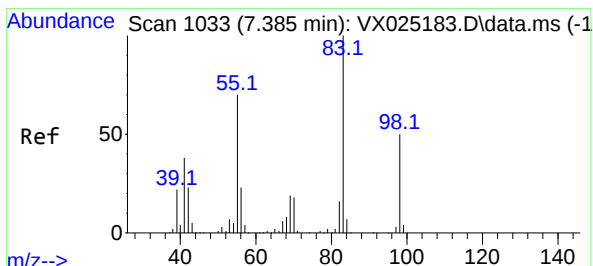
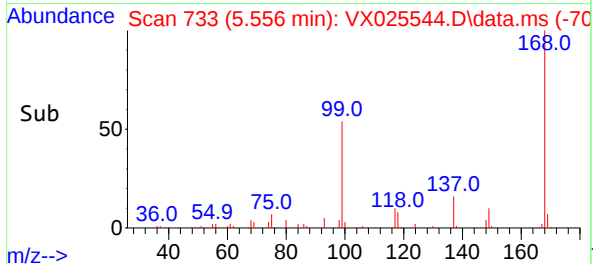
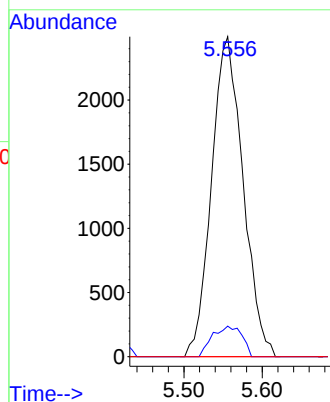
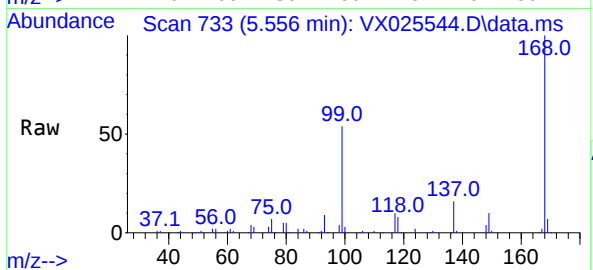




#36
1,1-Dichloropropene
Concen: 4.890 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX025544.D
Acq: 06 Dec 2021 13:21

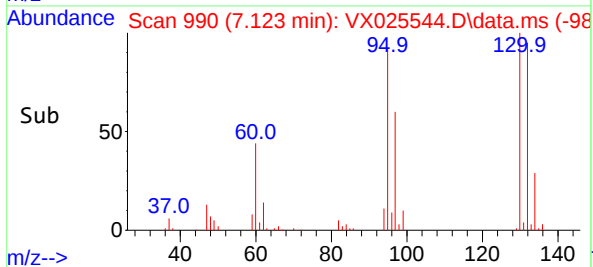
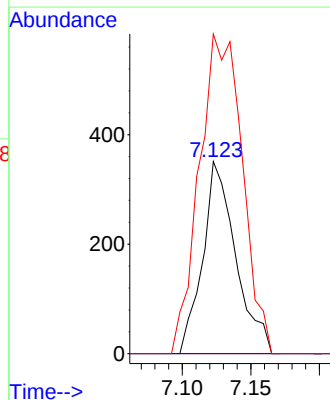
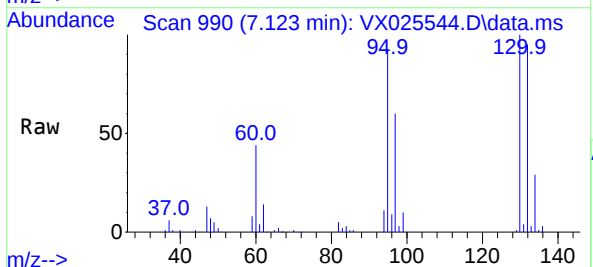
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20211201DL

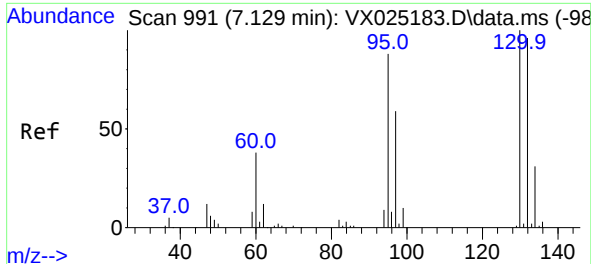
Tgt Ion: 75 Resp: 6965
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.3#
77 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.322 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX025544.D
Acq: 06 Dec 2021 13:21

Tgt Ion: 83 Resp: 589
Ion Ratio Lower Upper
83 100
55 0.0 60.8 91.2#
98 166.4 37.0 55.4#





#44

Trichloroethene

Concen: 42.698 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX025544.D

Acq: 06 Dec 2021 13:21

Instrument :

MSVOA_X

ClientSampleId :

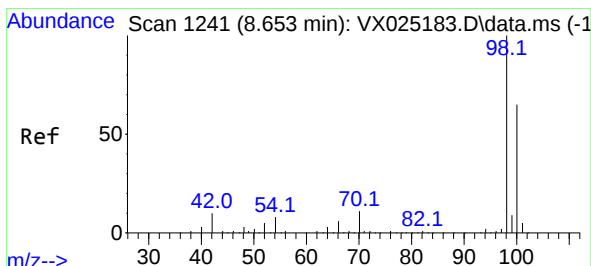
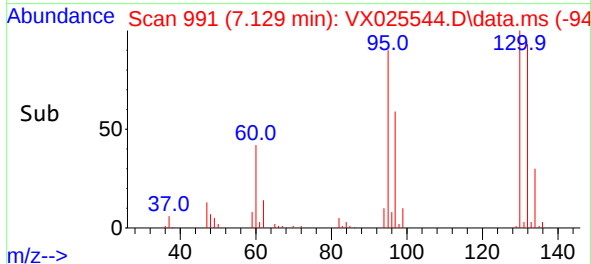
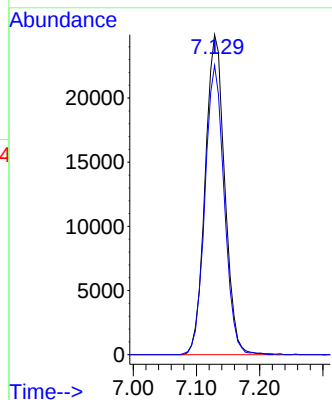
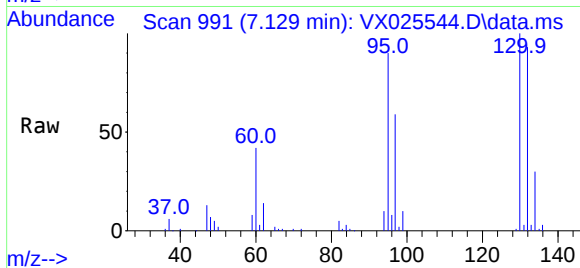
TT101D1-20211201DL

Tgt Ion:130 Resp: 53514

Ion Ratio Lower Upper

130 100

95 90.4 0.0 196.8



#50

Toluene-d8

Concen: 49.630 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025544.D

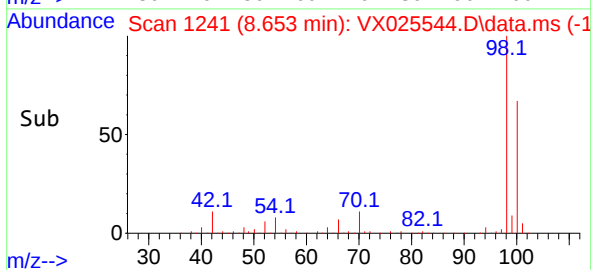
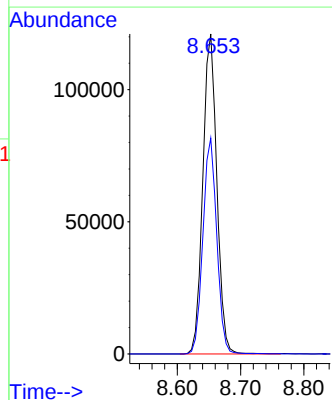
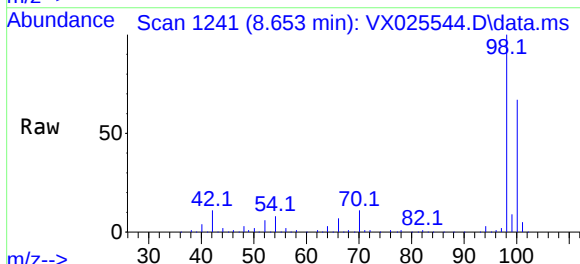
Acq: 06 Dec 2021 13:21

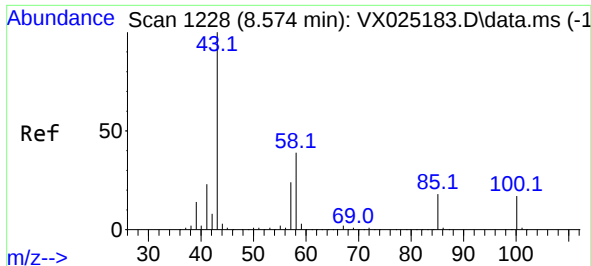
Tgt Ion: 98 Resp: 186900

Ion Ratio Lower Upper

98 100

100 66.7 51.4 77.0

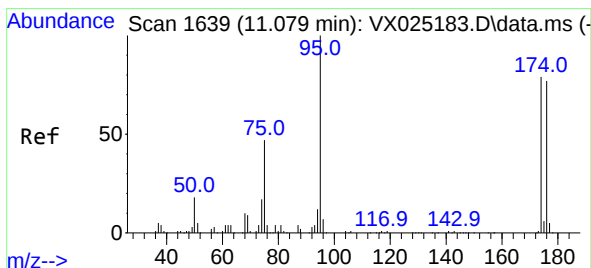
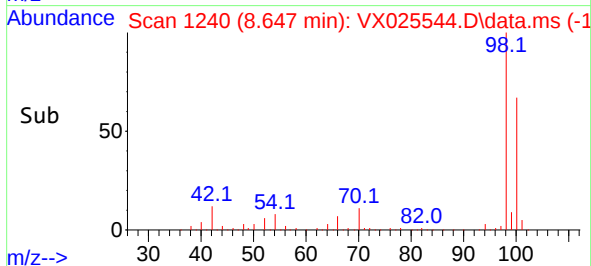
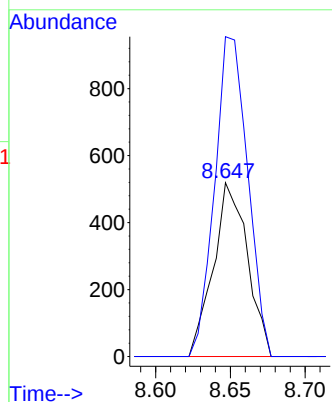
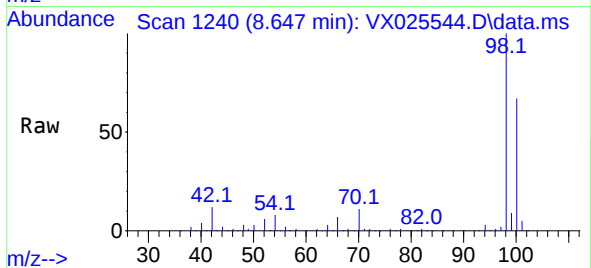




#51
4-Methyl-2-Pentanone
Concen: 0.486 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX025544.D
Acq: 06 Dec 2021 13:21

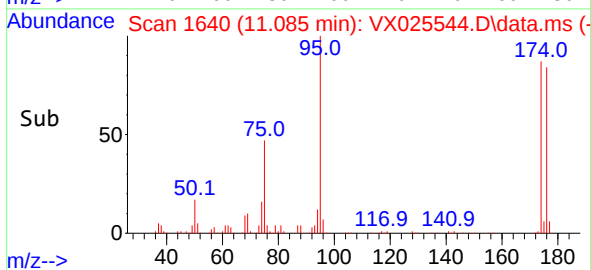
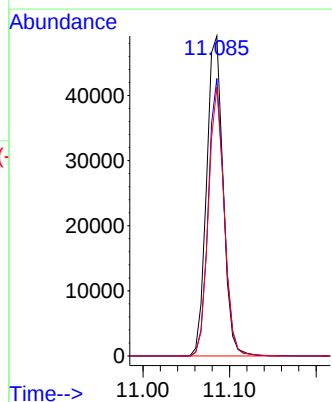
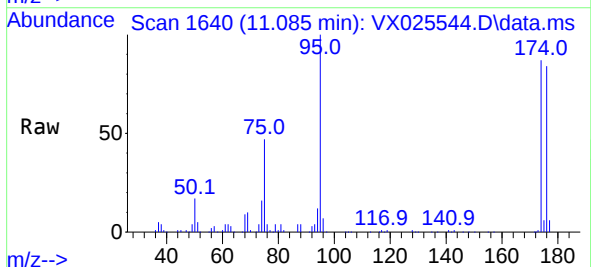
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20211201DL

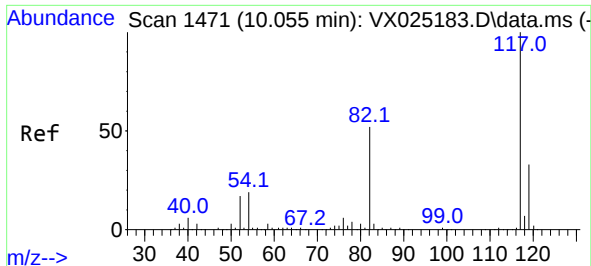
Tgt Ion: 43 Resp: 821
Ion Ratio Lower Upper
43 100
58 178.8 30.9 46.3#



#62
4-Bromofluorobenzene
Concen: 45.594 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX025544.D
Acq: 06 Dec 2021 13:21

Tgt Ion: 95 Resp: 64955
Ion Ratio Lower Upper
95 100
174 82.5 0.0 158.0
176 80.1 0.0 153.6

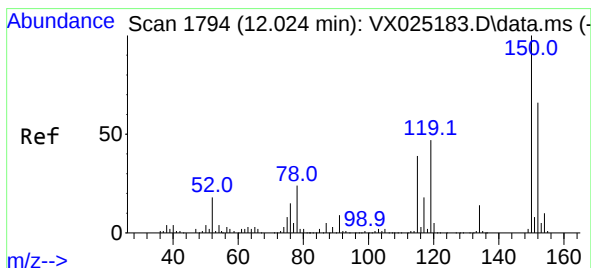
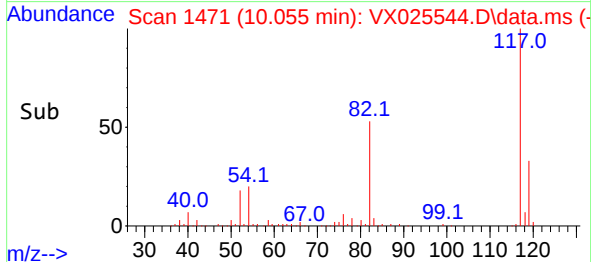
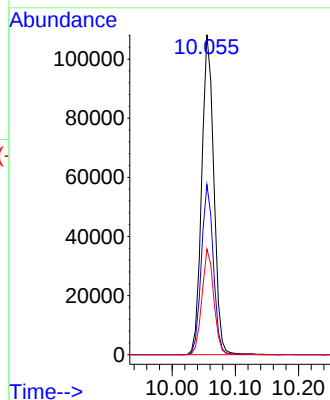
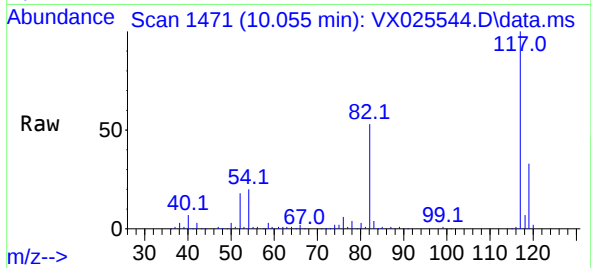




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025544.D
Acq: 06 Dec 2021 13:21

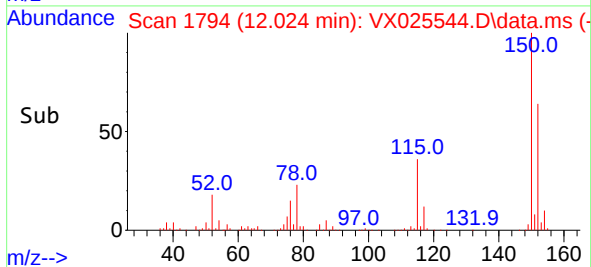
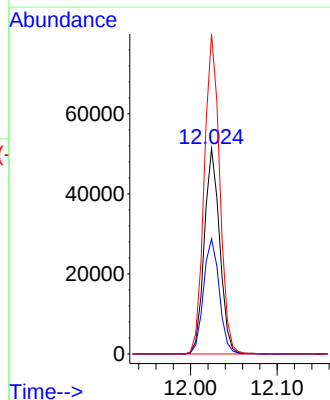
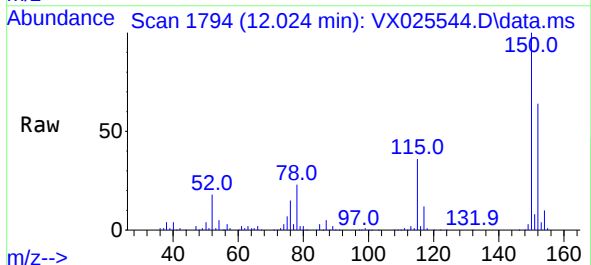
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20211201DL

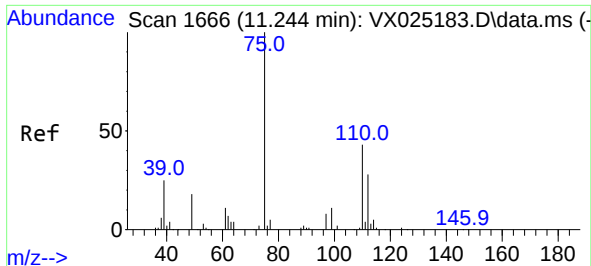
Tgt Ion:117 Resp: 144921
Ion Ratio Lower Upper
117 100
82 53.1 44.6 67.0
119 33.0 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025544.D
Acq: 06 Dec 2021 13:21

Tgt Ion:152 Resp: 63259
Ion Ratio Lower Upper
152 100
115 57.5 43.3 129.8
150 156.8 0.0 351.2

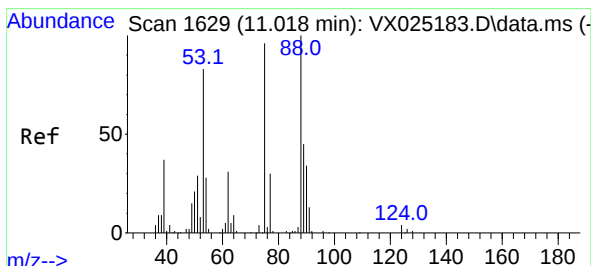
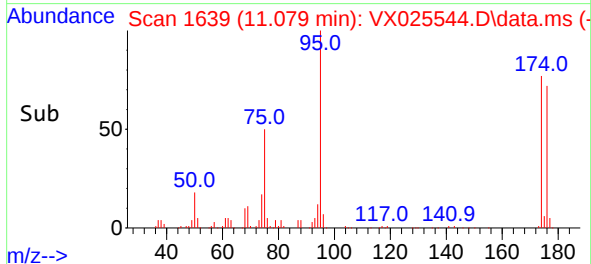
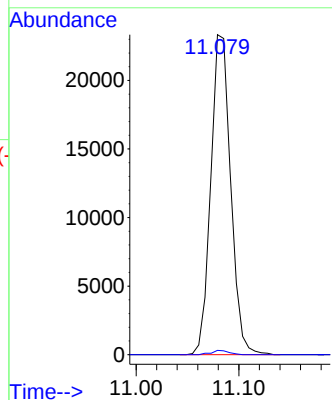
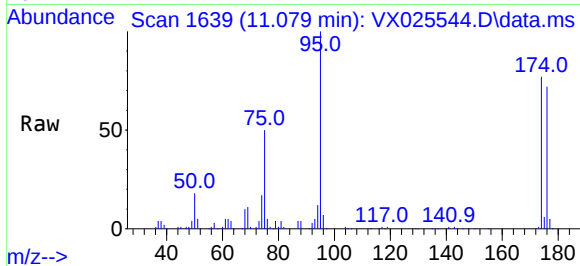




#76
1,2,3-Trichloropropane
Concen: 24.195 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025544.D
Acq: 06 Dec 2021 13:21

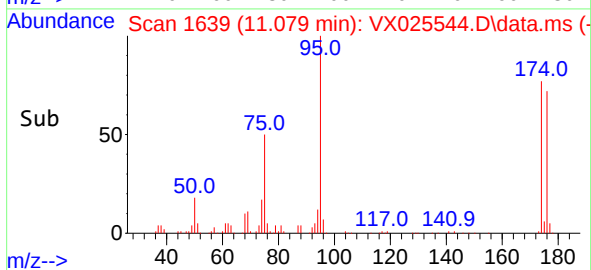
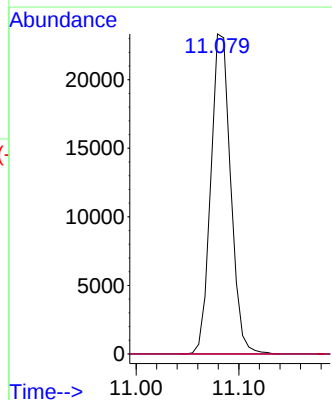
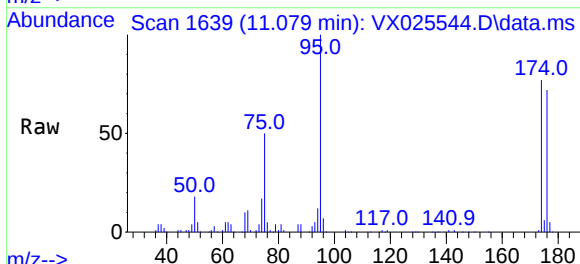
Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20211201DL

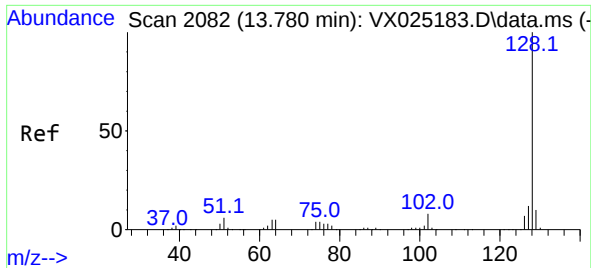
Tgt Ion: 75 Resp: 31342
Ion Ratio Lower Upper
75 100
77 1.2 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.950 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025544.D
Acq: 06 Dec 2021 13:21

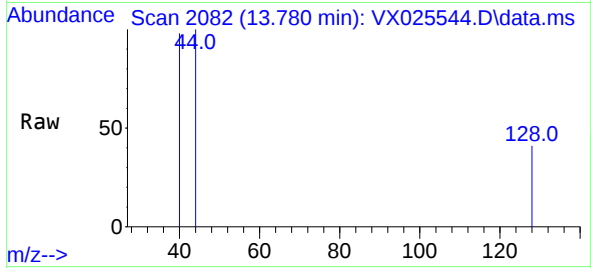
Tgt Ion: 75 Resp: 31342
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#





#95
Naphthalene
Concen: Below Cal
RT: 13.780 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX025544.D
Acq: 06 Dec 2021 13:21

Instrument :
MSVOA_X
ClientSampleId :
TT101D1-20211201DL



Tgt Ion:128 Resp: 63
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

