

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120321\
 Data File : VX025503.D
 Acq On : 04 Dec 2021 00:07
 Operator : JC/MD
 Sample : M4923-01DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

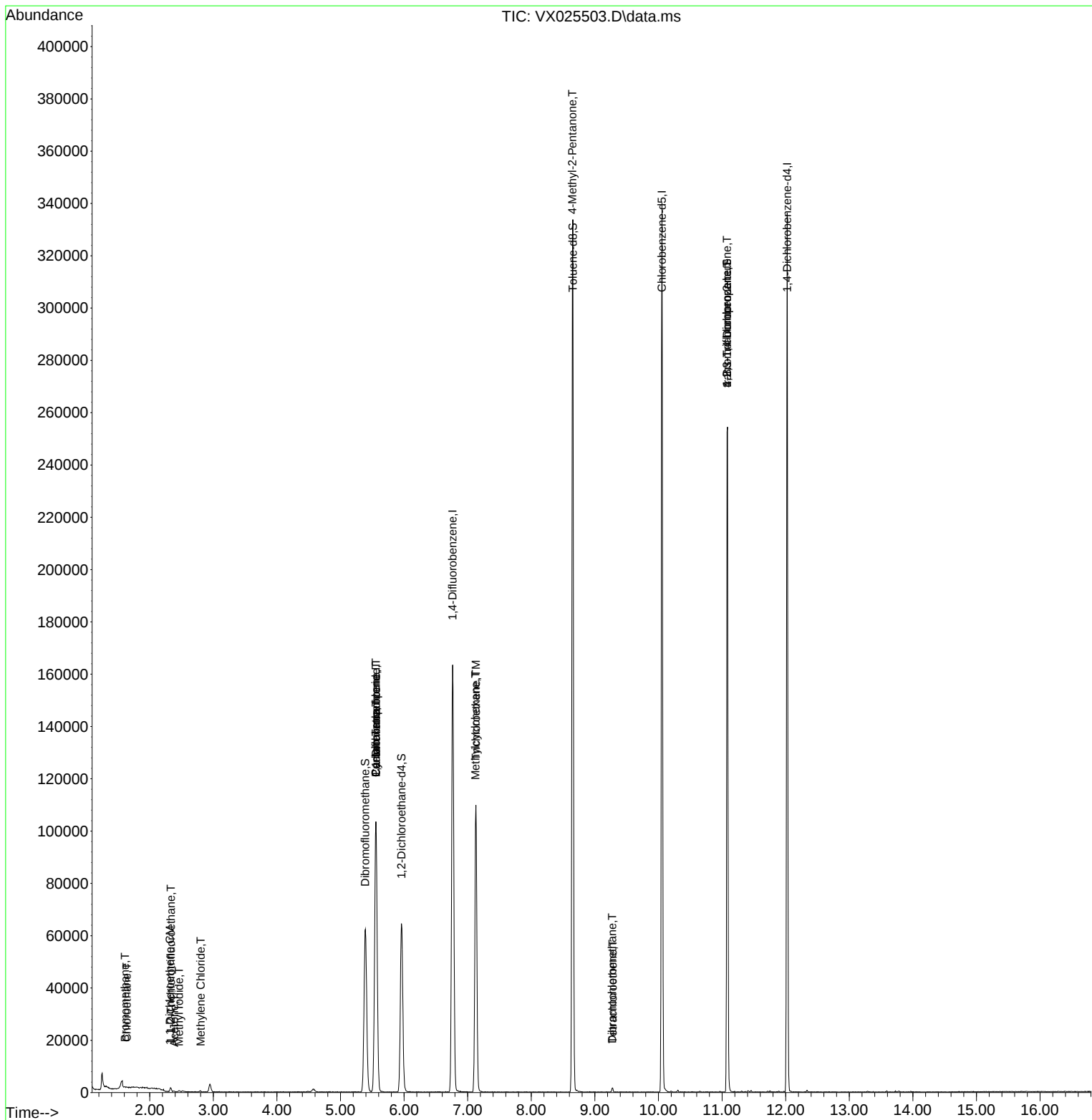
Instrument :
 MSVOA_X
 ClientSampleId :

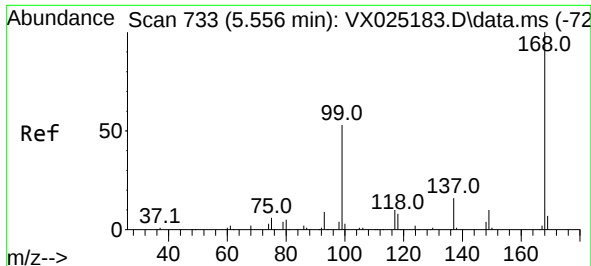
Quant Time: Dec 04 11:05:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	104897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	176505	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	158245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	69552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	61433	55.561	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.120%
35) Dibromofluoromethane	5.385	113	54266	50.108	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.220%
50) Toluene-d8	8.653	98	203887	50.072	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.140%
62) 4-Bromofluorobenzene	11.079	95	71107	46.161	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.320%
Target Compounds						Qvalue
5) Bromomethane	1.611	94	164	0.309	ug/l	86
6) Chloroethane	1.636	64	399	0.468	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	492	0.504	ug/l	90
10) Methyl Iodide	2.459	142	546	0.447	ug/l #	73
11) Tert butyl alcohol	2.940	59	1763	Below Cal	#	72
12) 1,1-Dichloroethene	2.319	96	222	0.228	ug/l #	69
16) Acetone	2.386	43	388	0.632	ug/l #	45
20) Methylene Chloride	2.800	84	233	0.202	ug/l #	69
31) Cyclohexane	5.556	56	2068	1.210	ug/l #	31
36) 1,1-Dichloropropene	5.556	75	7193	4.671	ug/l #	50
38) Carbon Tetrachloride	5.556	117	9739	5.742	ug/l #	17
39) Methylcyclohexane	7.123	83	469	0.237	ug/l #	1
44) Trichloroethene	7.129	130	44235	32.642	ug/l	95
51) 4-Methyl-2-Pentanone	8.647	43	861	0.471	ug/l #	1
60) Dibromochloromethane	9.275	129	320	0.230	ug/l #	11
64) Tetrachloroethene	9.281	164	332	0.254	ug/l #	72
76) 1,2,3-Trichloropropane	11.079	75	34711	24.371	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34711	61.394	ug/l #	9
95) Naphthalene	13.780	128	455	Below Cal	#	69

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

Quant Time: Dec 04 11:05:57 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



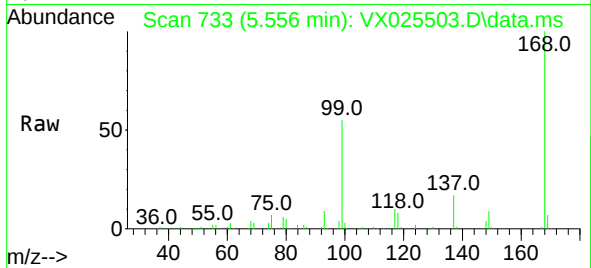


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025503.D
Acq: 04 Dec 2021 00:07

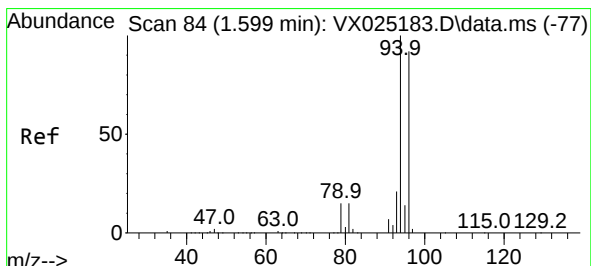
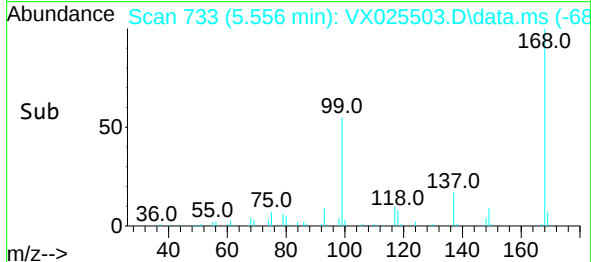
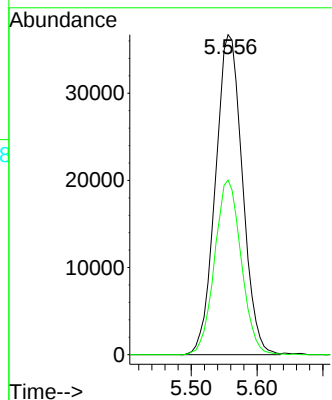
Instrument :

MSVOA_X

ClientSampled :

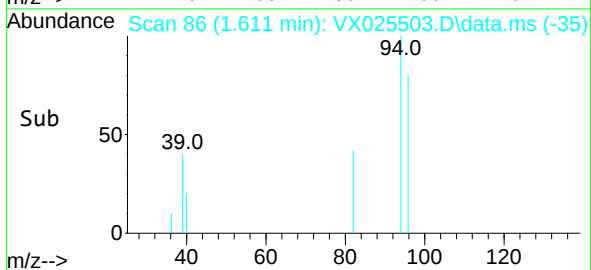
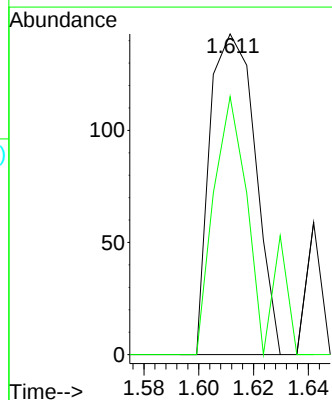
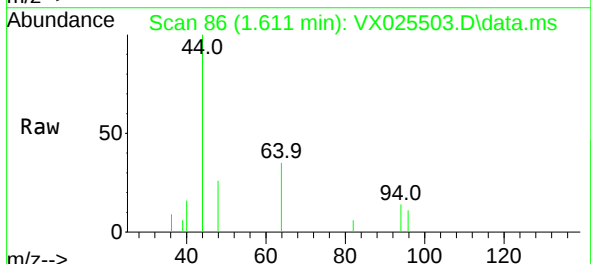


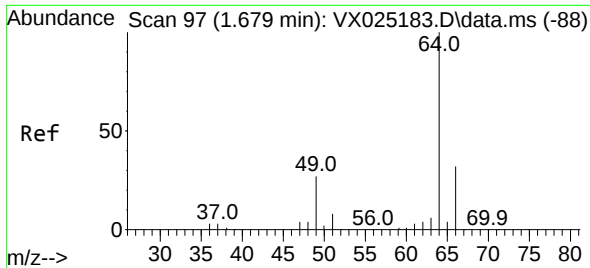
Tgt Ion:168 Resp: 104897
Ion Ratio Lower Upper
168 100
99 54.6 46.4 69.6



#5
Bromomethane
Concen: 0.309 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX025503.D
Acq: 04 Dec 2021 00:07

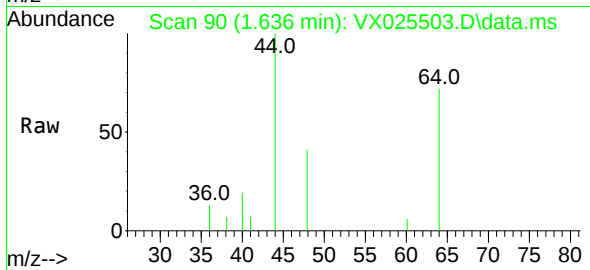
Tgt Ion: 94 Resp: 164
Ion Ratio Lower Upper
94 100
96 80.4 74.8 112.2



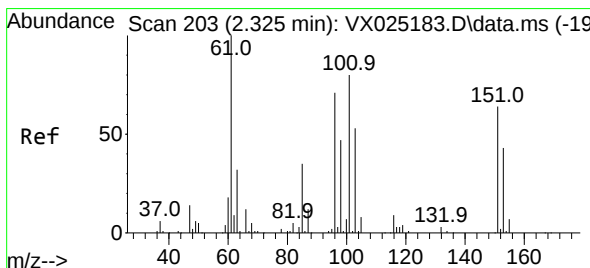
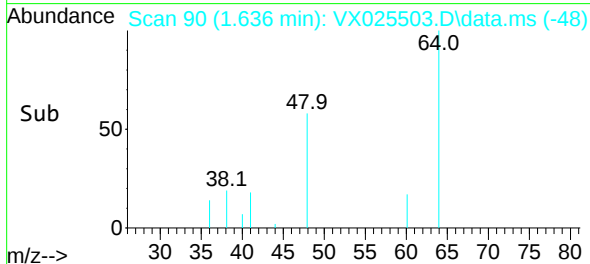
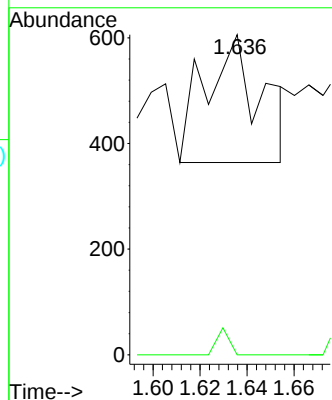


#6
Chloroethane
Concen: 0.468 ug/l
RT: 1.636 min Scan# 90
Delta R.T. -0.043 min
Lab File: VX025503.D
Acq: 04 Dec 2021 00:07

Instrument :
MSVOA_X
ClientSampleId :

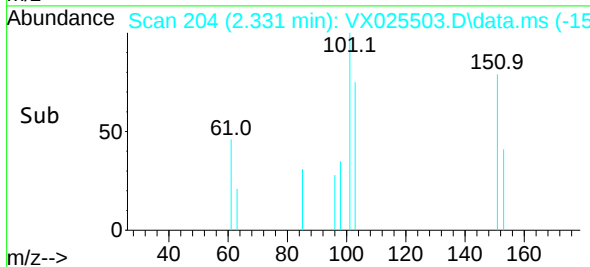
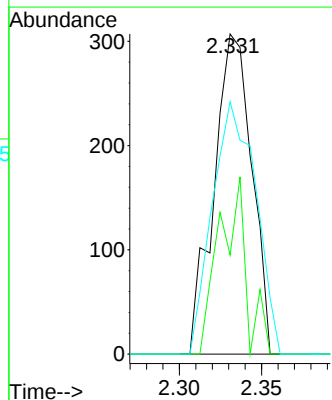
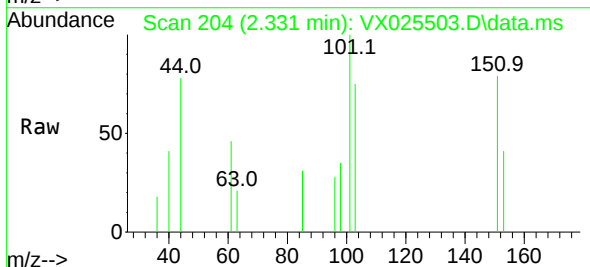


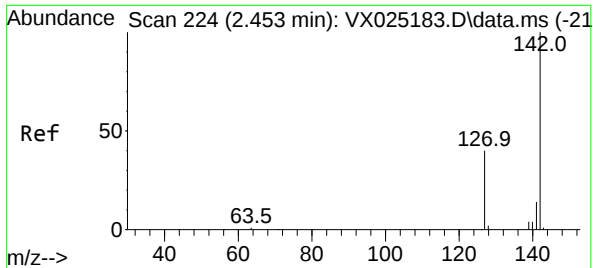
Tgt Ion: 64 Resp: 399
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.504 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX025503.D
Acq: 04 Dec 2021 00:07

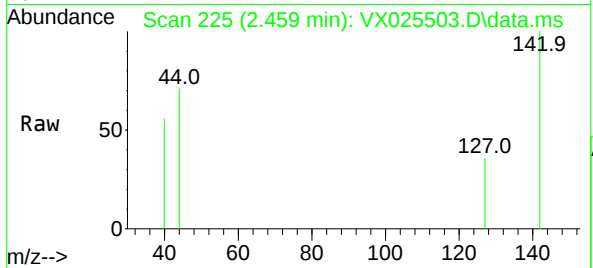
Tgt Ion: 101 Resp: 492
Ion Ratio Lower Upper
101 100
85 39.6 35.9 53.9
151 90.0 64.4 96.6



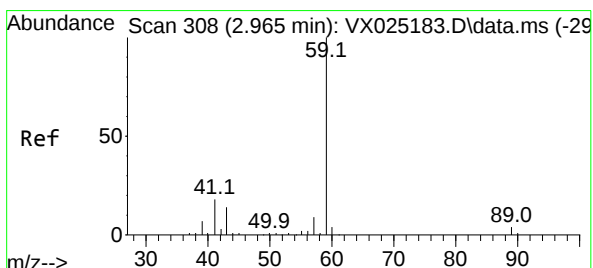
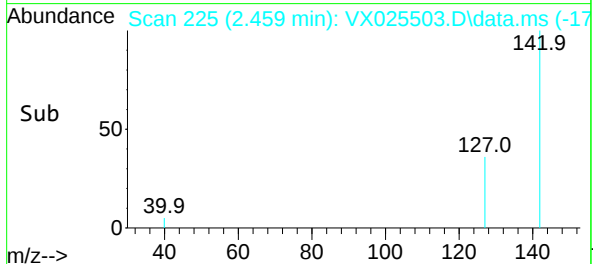
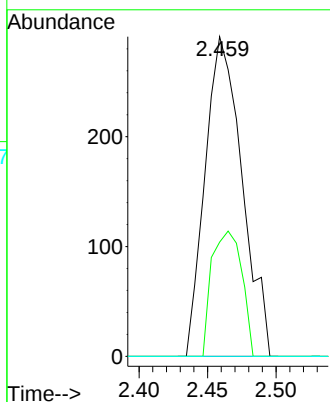


#10
Methyl Iodide
Concen: 0.447 ug/l
RT: 2.459 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX025503.D
Acq: 04 Dec 2021 00:07

Instrument :
MSVOA_X
ClientSampleId :

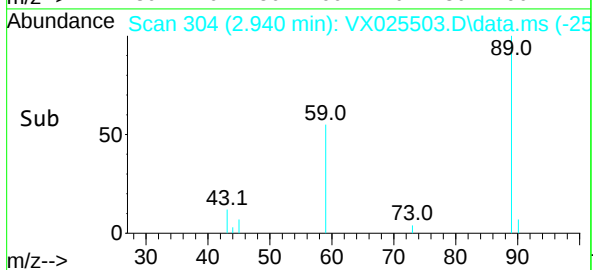
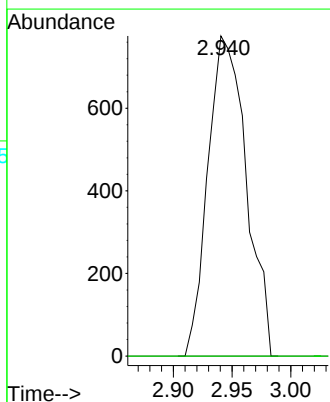
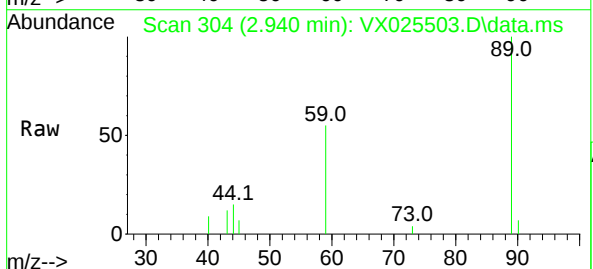


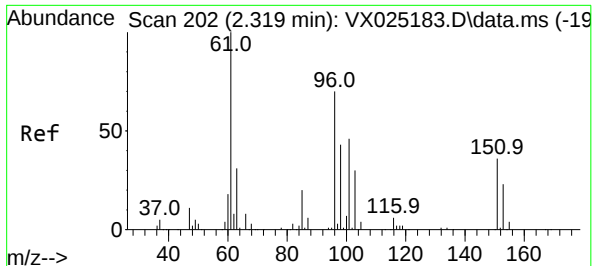
Tgt Ion:142 Resp: 546
Ion Ratio Lower Upper
142 100
127 31.7 38.9 58.3#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.025 min
Lab File: VX025503.D
Acq: 04 Dec 2021 00:07

Tgt Ion: 59 Resp: 1763
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#12

1,1-Dichloroethene

Concen: 0.228 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

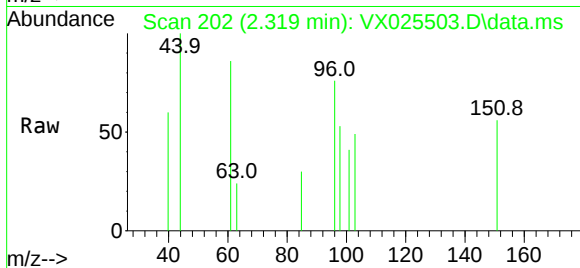
Lab File: VX025503.D

Acq: 04 Dec 2021 00:07

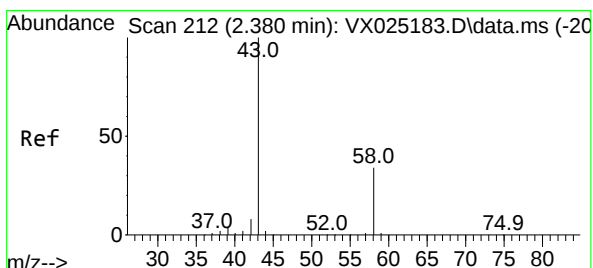
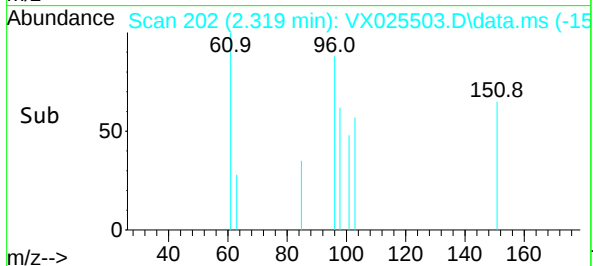
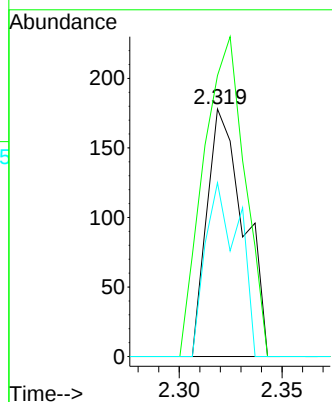
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 96	Resp: 222
Ion Ratio	Lower Upper
96	100
61	113.5 134.1 201.1#
98	70.2 51.5 77.3



#16

Acetone

Concen: 0.632 ug/l

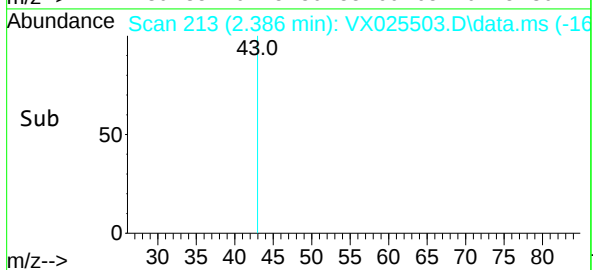
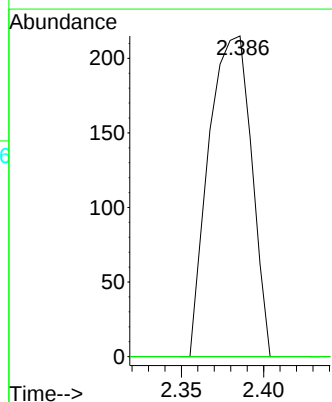
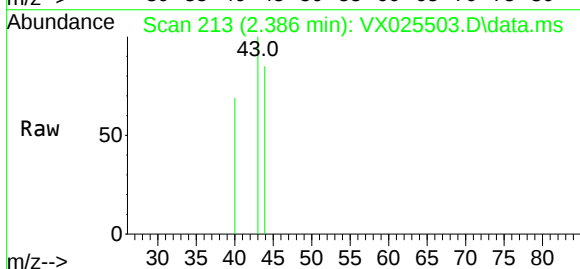
RT: 2.386 min Scan# 213

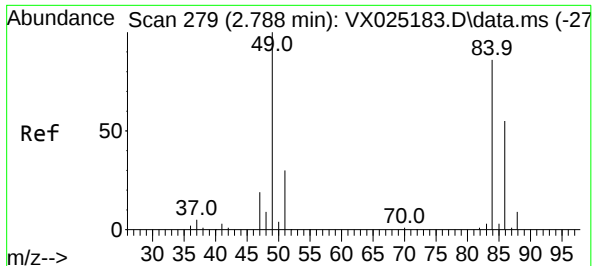
Delta R.T. 0.006 min

Lab File: VX025503.D

Acq: 04 Dec 2021 00:07

Tgt Ion: 43	Resp: 388
Ion Ratio	Lower Upper
43	100
58	0.0 24.0 36.0#





#20

Methylene Chloride

Concen: 0.202 ug/l

RT: 2.800 min Scan# 21

Delta R.T. 0.012 min

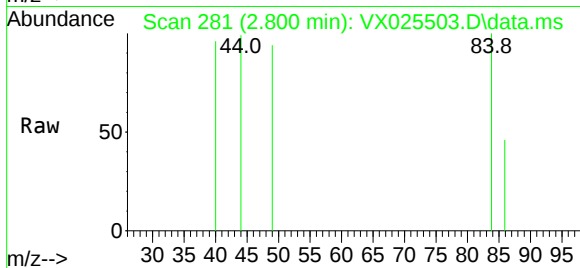
Lab File: VX025503.D

Acq: 04 Dec 2021 00:07

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 233

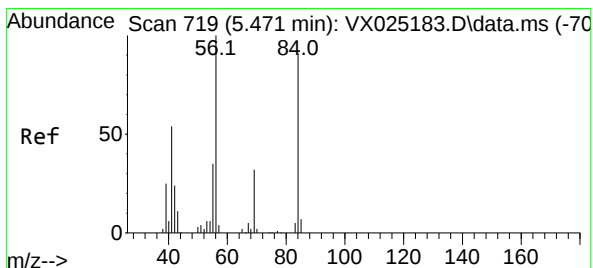
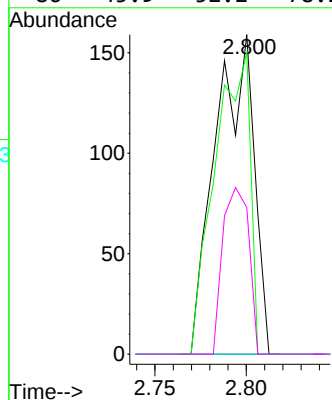
Ion Ratio Lower Upper

84 100

49 94.3 98.2 147.2#

51 0.0 30.2 45.4#

86 45.9 52.2 78.2#



#31

Cyclohexane

Concen: 1.210 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX025503.D

Acq: 04 Dec 2021 00:07

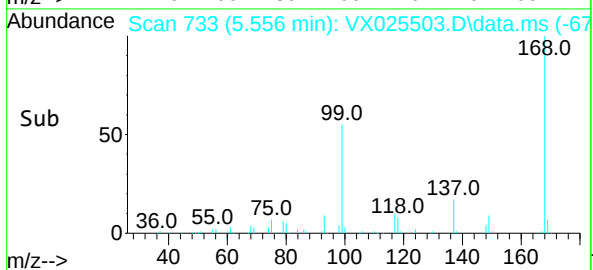
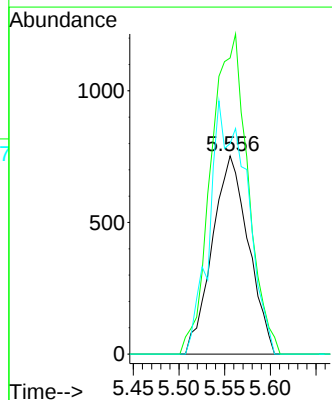
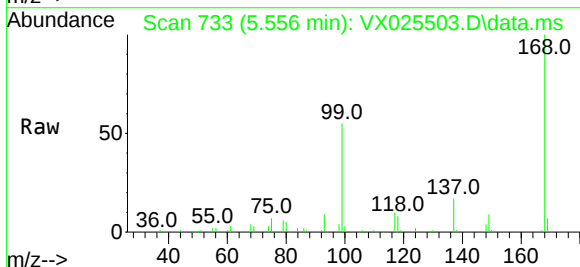
Tgt Ion: 56 Resp: 2068

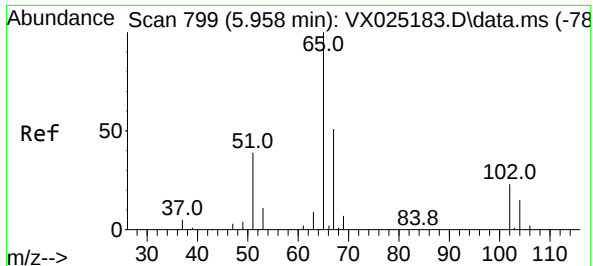
Ion Ratio Lower Upper

56 100

69 149.4 24.2 36.2#

84 106.2 71.5 107.3





#33

1,2-Dichloroethane-d4

Concen: 55.561 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025503.D

Acq: 04 Dec 2021 00:07

Instrument :

MSVOA_X

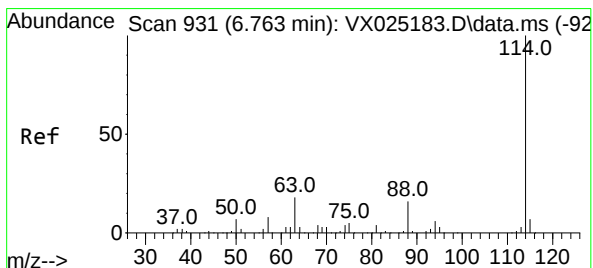
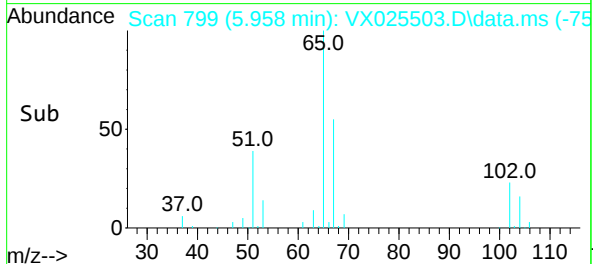
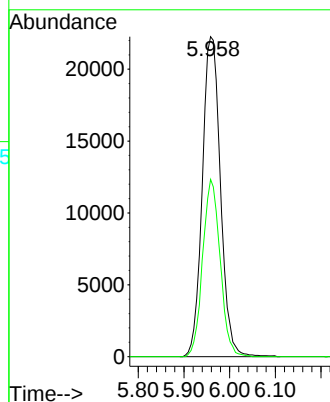
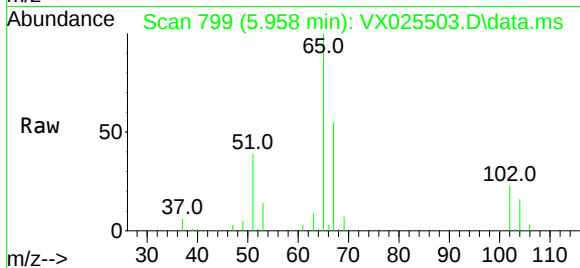
ClientSampleId :

Tgt Ion: 65 Resp: 61433

Ion Ratio Lower Upper

65 100

67 53.2 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: VX025503.D

Acq: 04 Dec 2021 00:07

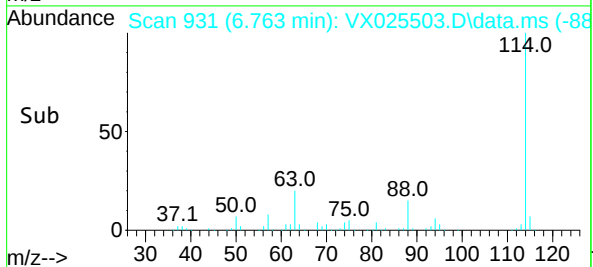
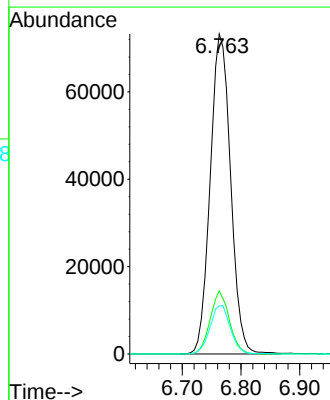
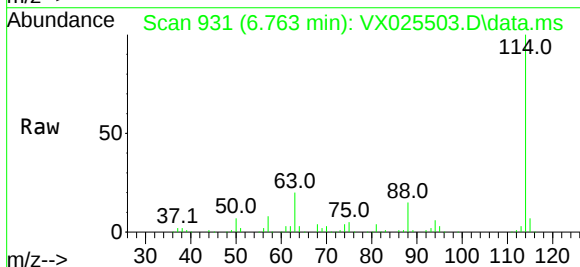
Tgt Ion: 114 Resp: 176505

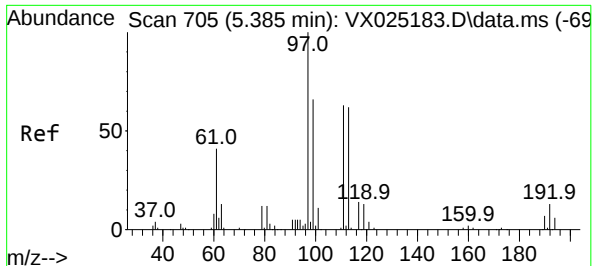
Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.0

88 15.0 0.0 34.8





#35

Dibromofluoromethane

Concen: 50.108 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

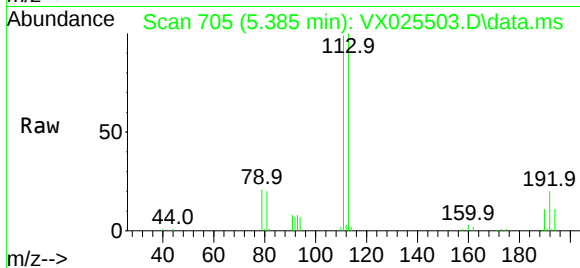
Lab File: VX025503.D

Acq: 04 Dec 2021 00:07

Instrument :

MSVOA_X

ClientSampleId :



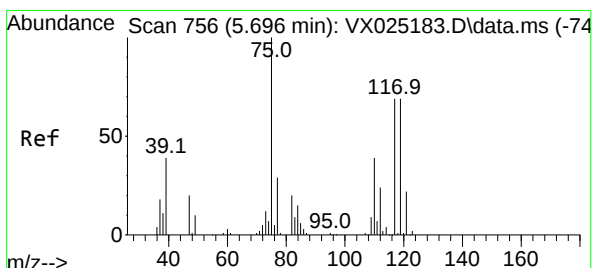
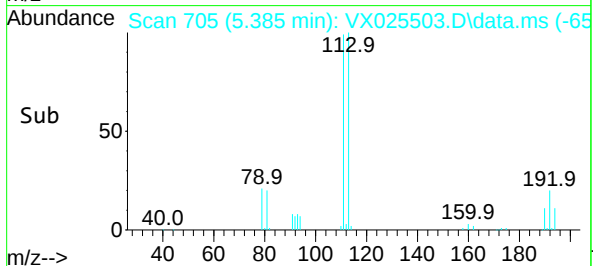
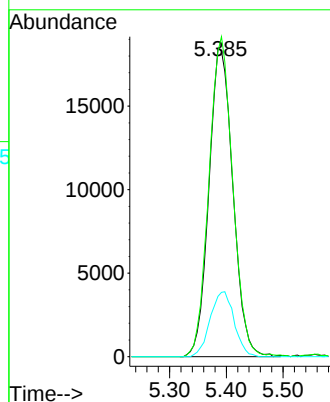
Tgt Ion:113 Resp: 54266

Ion Ratio Lower Upper

113 100

111 102.8 82.1 123.1

192 21.0 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.671 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX025503.D

Acq: 04 Dec 2021 00:07

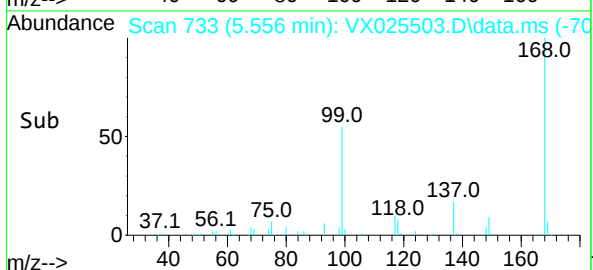
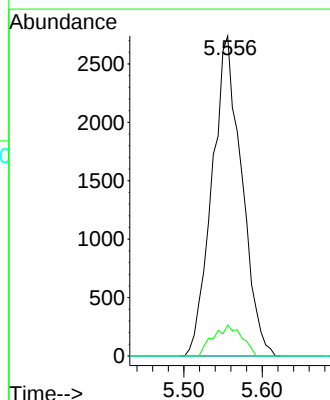
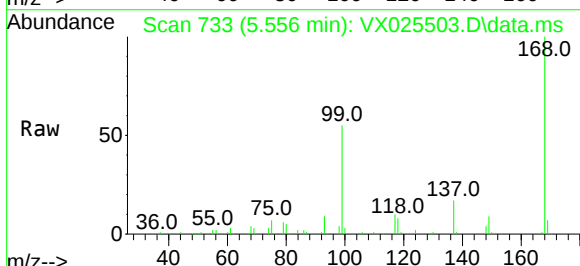
Tgt Ion: 75 Resp: 7193

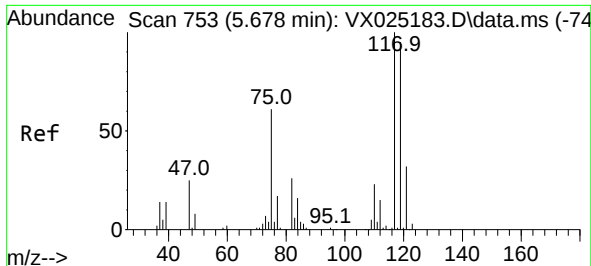
Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.3#

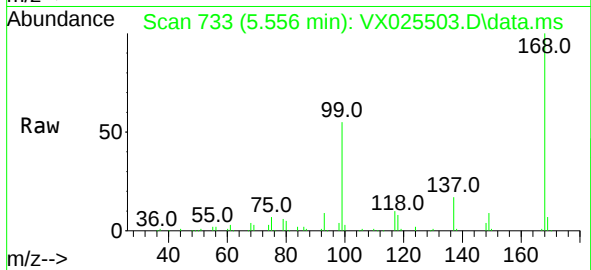
77 0.0 24.4 36.6#



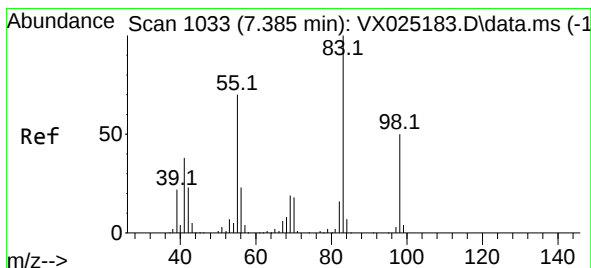
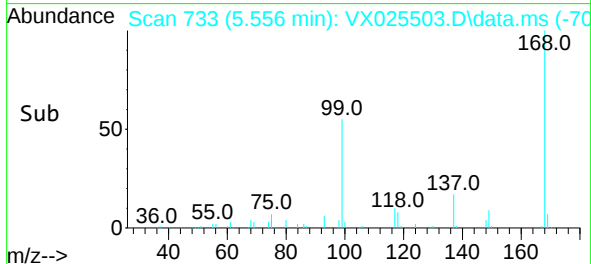
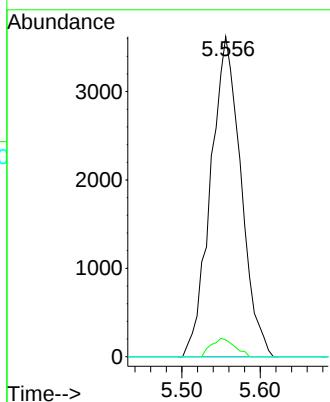


#38
Carbon Tetrachloride
Concen: 5.742 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX025503.D
Acq: 04 Dec 2021 00:07

Instrument :
MSVOA_X
ClientSampleId :

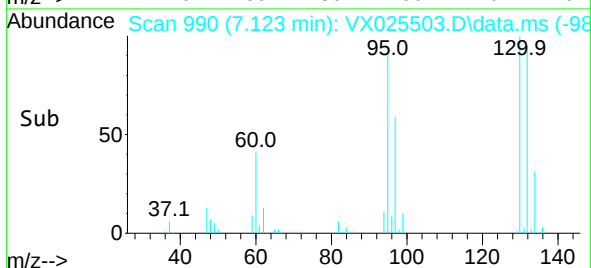
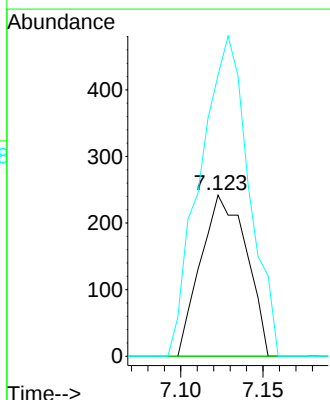
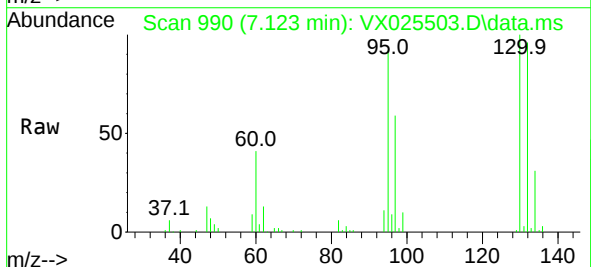


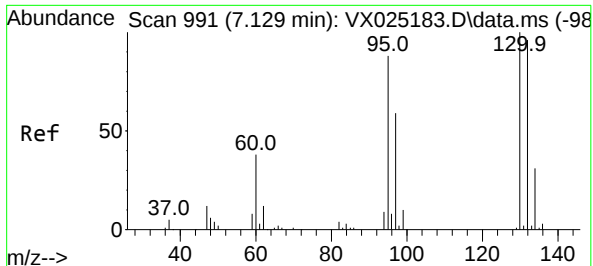
Tgt Ion:117 Resp: 9739
Ion Ratio Lower Upper
117 100
119 5.2 75.6 113.4#
121 0.0 23.7 35.5#



#39
Methylcyclohexane
Concen: 0.237 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX025503.D
Acq: 04 Dec 2021 00:07

Tgt Ion: 83 Resp: 469
Ion Ratio Lower Upper
83 100
55 0.0 60.8 91.2#
98 231.9 37.0 55.4#

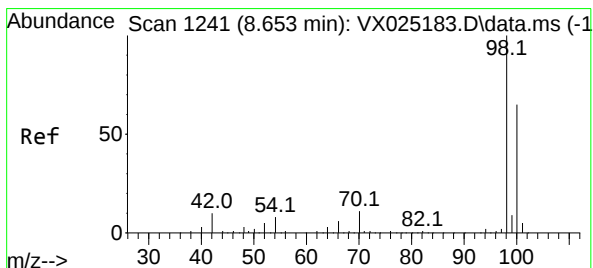
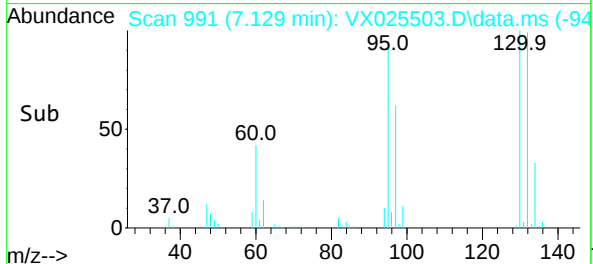
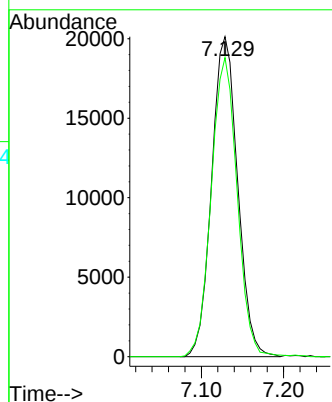
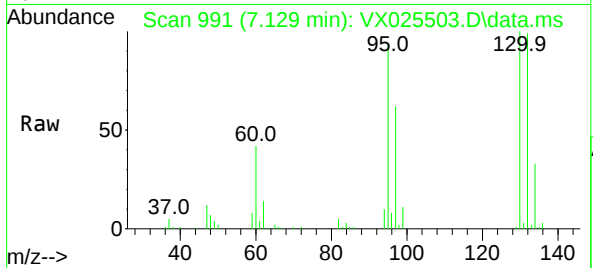




#44
Trichloroethene
Concen: 32.642 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX025503.D
Acq: 04 Dec 2021 00:07

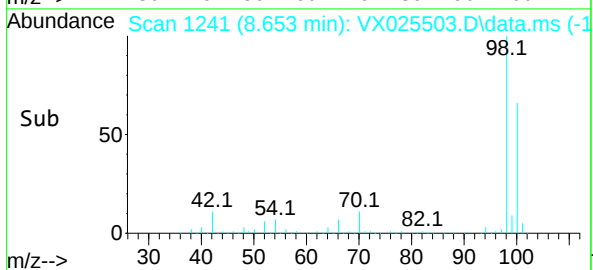
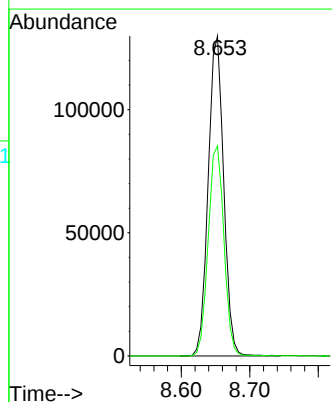
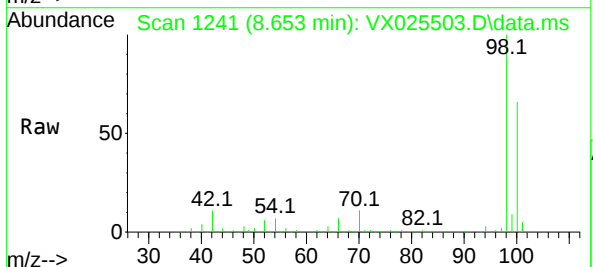
Instrument :
MSVOA_X
ClientSampleId :

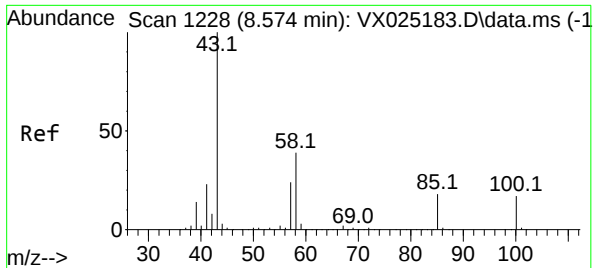
Tgt Ion:130 Resp: 44235
Ion Ratio Lower Upper
130 100
95 93.4 0.0 196.8



#50
Toluene-d8
Concen: 50.072 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025503.D
Acq: 04 Dec 2021 00:07

Tgt Ion: 98 Resp: 203887
Ion Ratio Lower Upper
98 100
100 67.0 51.4 77.0

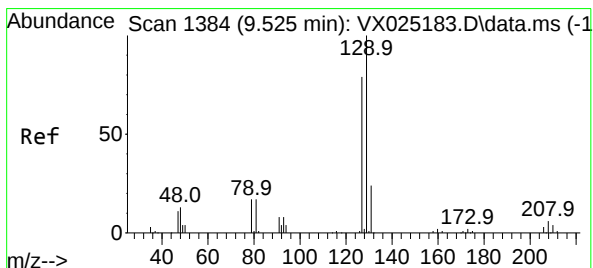
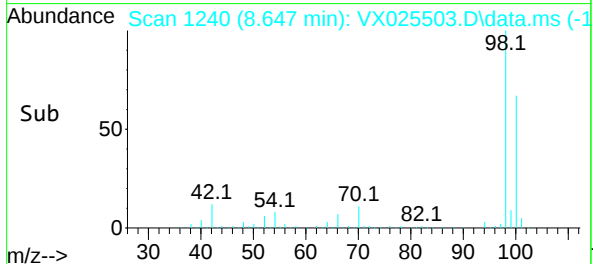
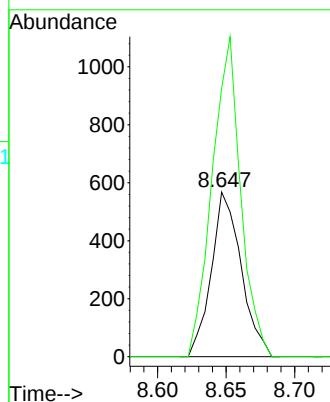
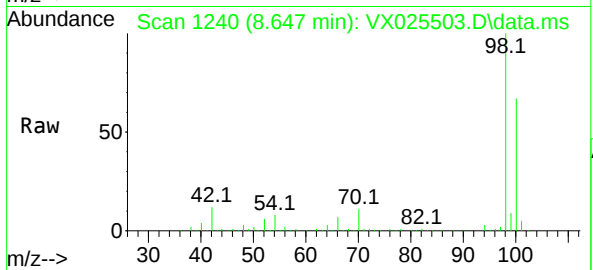




#51
4-Methyl-2-Pentanone
Concen: 0.471 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX025503.D
Acq: 04 Dec 2021 00:07

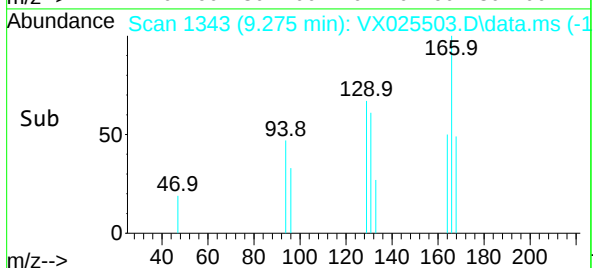
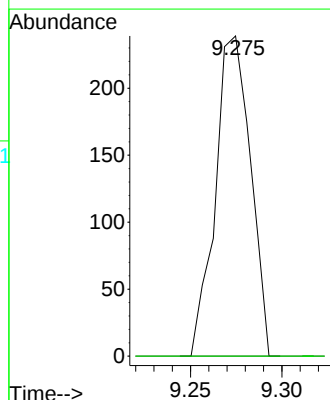
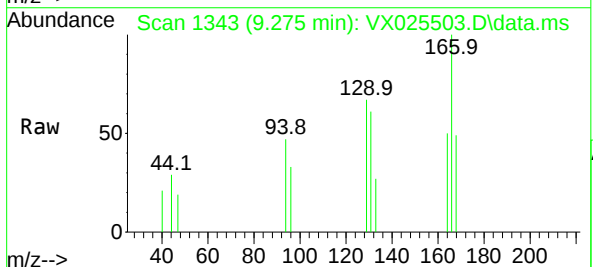
Instrument :
MSVOA_X
ClientSampleId :

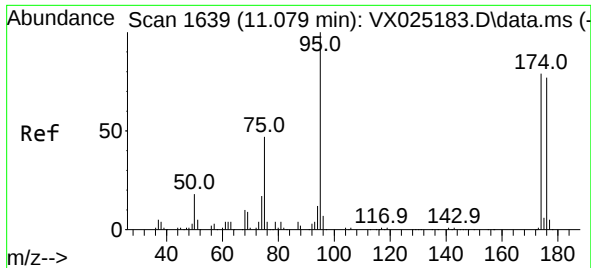
Tgt Ion: 43 Resp: 861
Ion Ratio Lower Upper
43 100
58 185.7 30.9 46.3#



#60
Dibromochloromethane
Concen: 0.230 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX025503.D
Acq: 04 Dec 2021 00:07

Tgt Ion: 129 Resp: 320
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

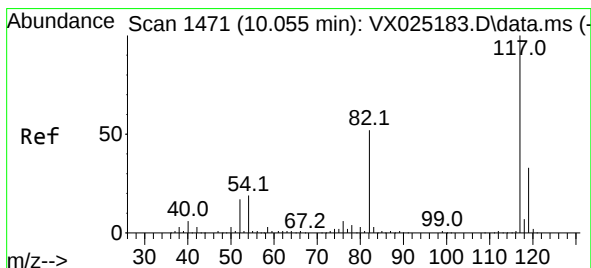
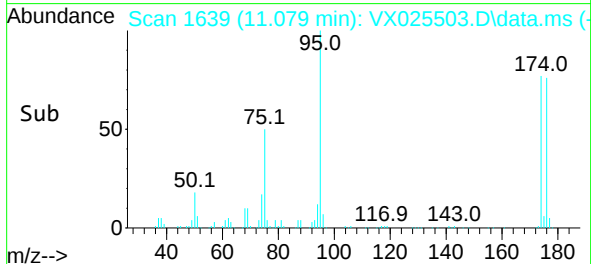
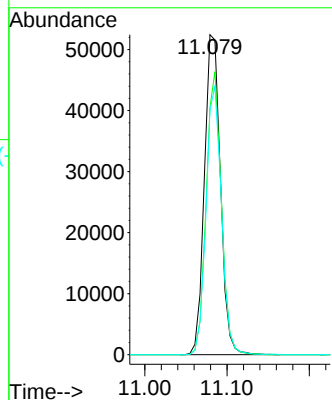
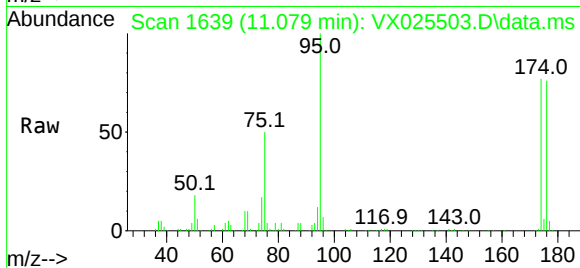




#62
4-Bromofluorobenzene
Concen: 46.161 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX025503.D
Acq: 04 Dec 2021 00:07

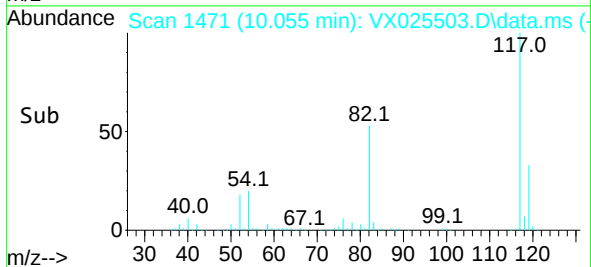
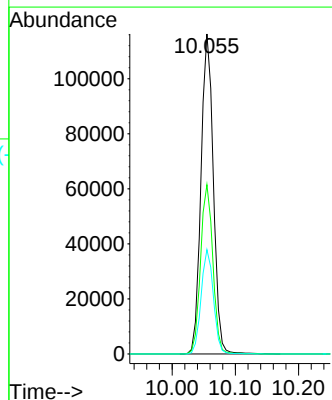
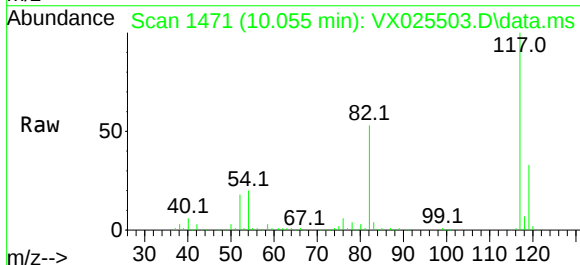
Instrument :
MSVOA_X
ClientSampleId :

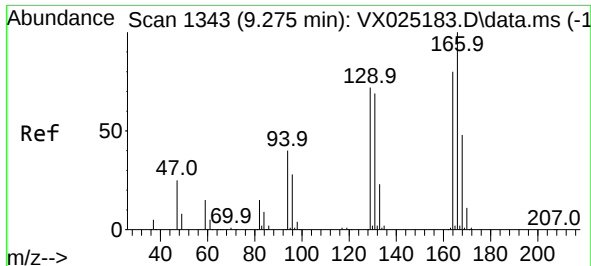
Tgt Ion: 95 Resp: 71107
Ion Ratio Lower Upper
95 100
174 83.8 0.0 158.0
176 80.8 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025503.D
Acq: 04 Dec 2021 00:07

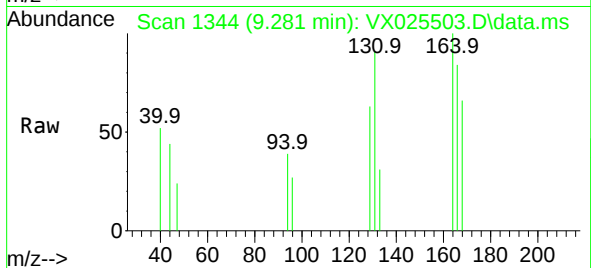
Tgt Ion: 117 Resp: 158245
Ion Ratio Lower Upper
117 100
82 52.9 44.6 67.0
119 32.6 24.8 37.2



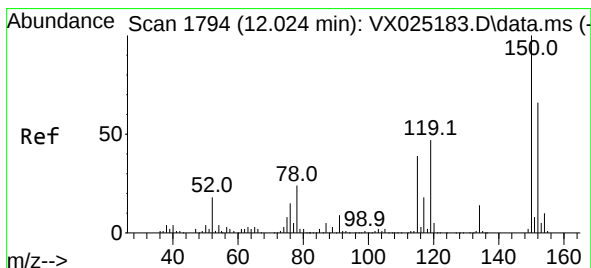
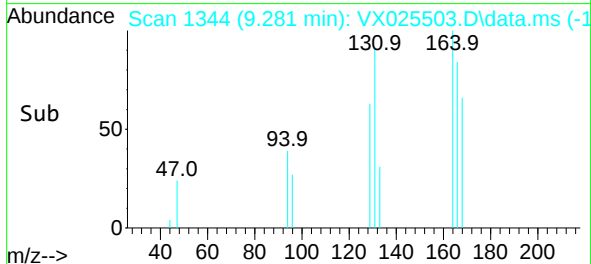
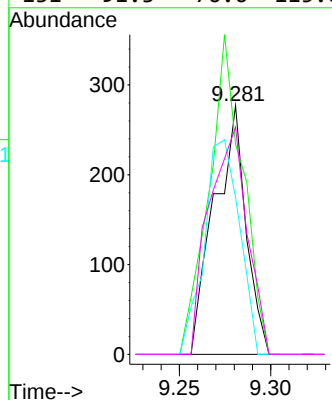


#64
Tetrachloroethene
Concen: 0.254 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX025503.D
Acq: 04 Dec 2021 00:07

Instrument :
MSVOA_X
ClientSampleId :

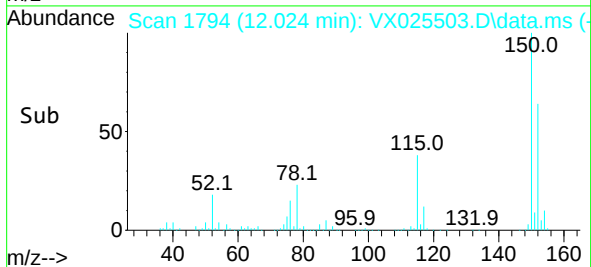
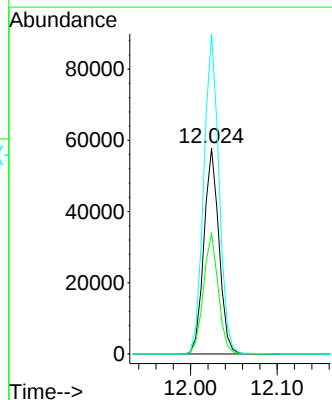
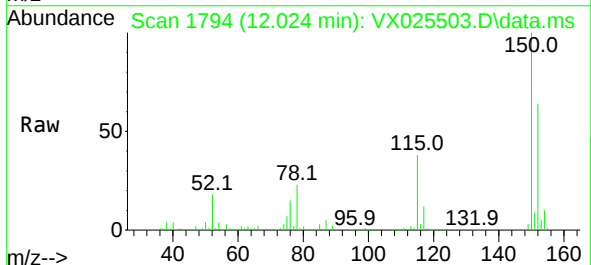


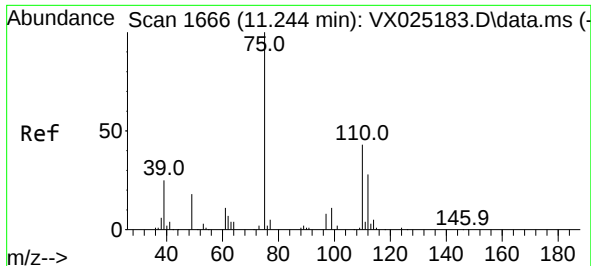
Tgt Ion:164 Resp: 332
Ion Ratio Lower Upper
164 100
166 84.5 103.2 154.8#
129 63.2 81.0 121.4#
131 91.3 76.6 115.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025503.D
Acq: 04 Dec 2021 00:07

Tgt Ion:152 Resp: 69552
Ion Ratio Lower Upper
152 100
115 57.7 43.3 129.8
150 158.1 0.0 351.2

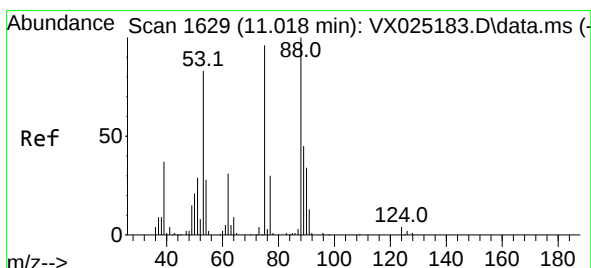
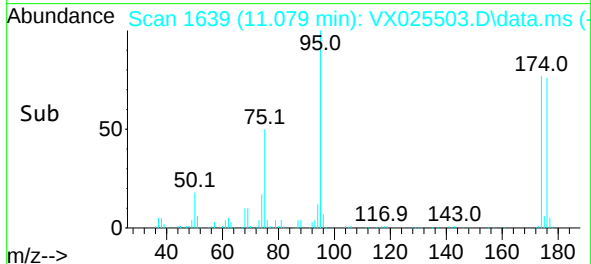
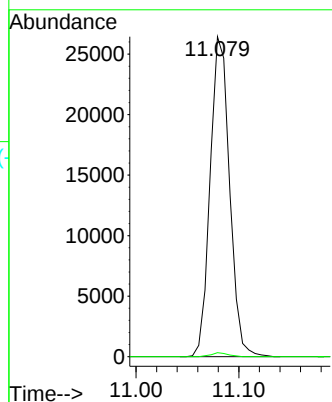
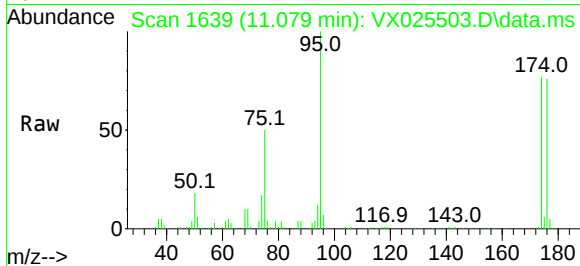




#76
1,2,3-Trichloropropane
Concen: 24.371 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025503.D
Acq: 04 Dec 2021 00:07

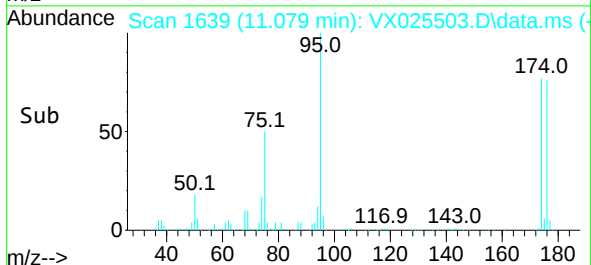
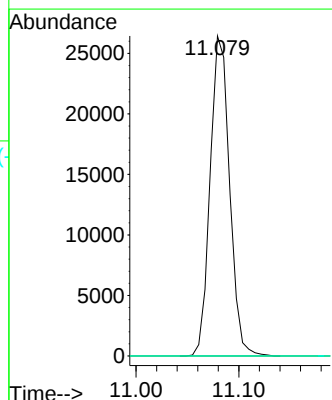
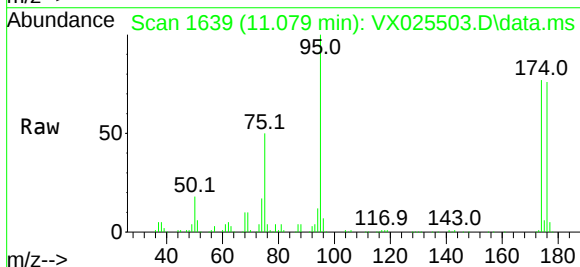
Instrument :
MSVOA_X
ClientSampleId :

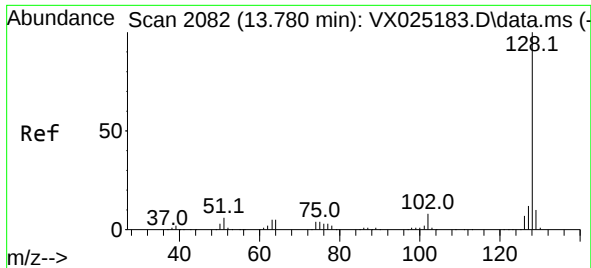
Tgt Ion: 75 Resp: 34711
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.394 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025503.D
Acq: 04 Dec 2021 00:07

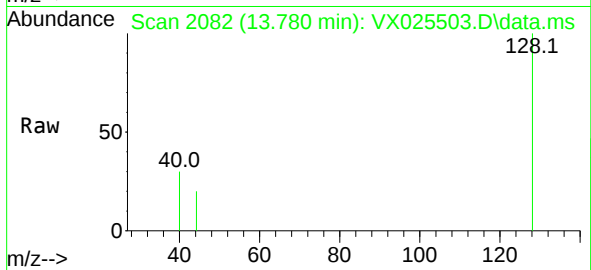
Tgt Ion: 75 Resp: 34711
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#





#95
Naphthalene
Concen: Below Cal
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX025503.D
Acq: 04 Dec 2021 00:07

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 455
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

