

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120421\
 Data File : VX025519.D
 Acq On : 04 Dec 2021 14:10
 Operator : JC/MD
 Sample : M4923-16 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 06 01:02:01 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)

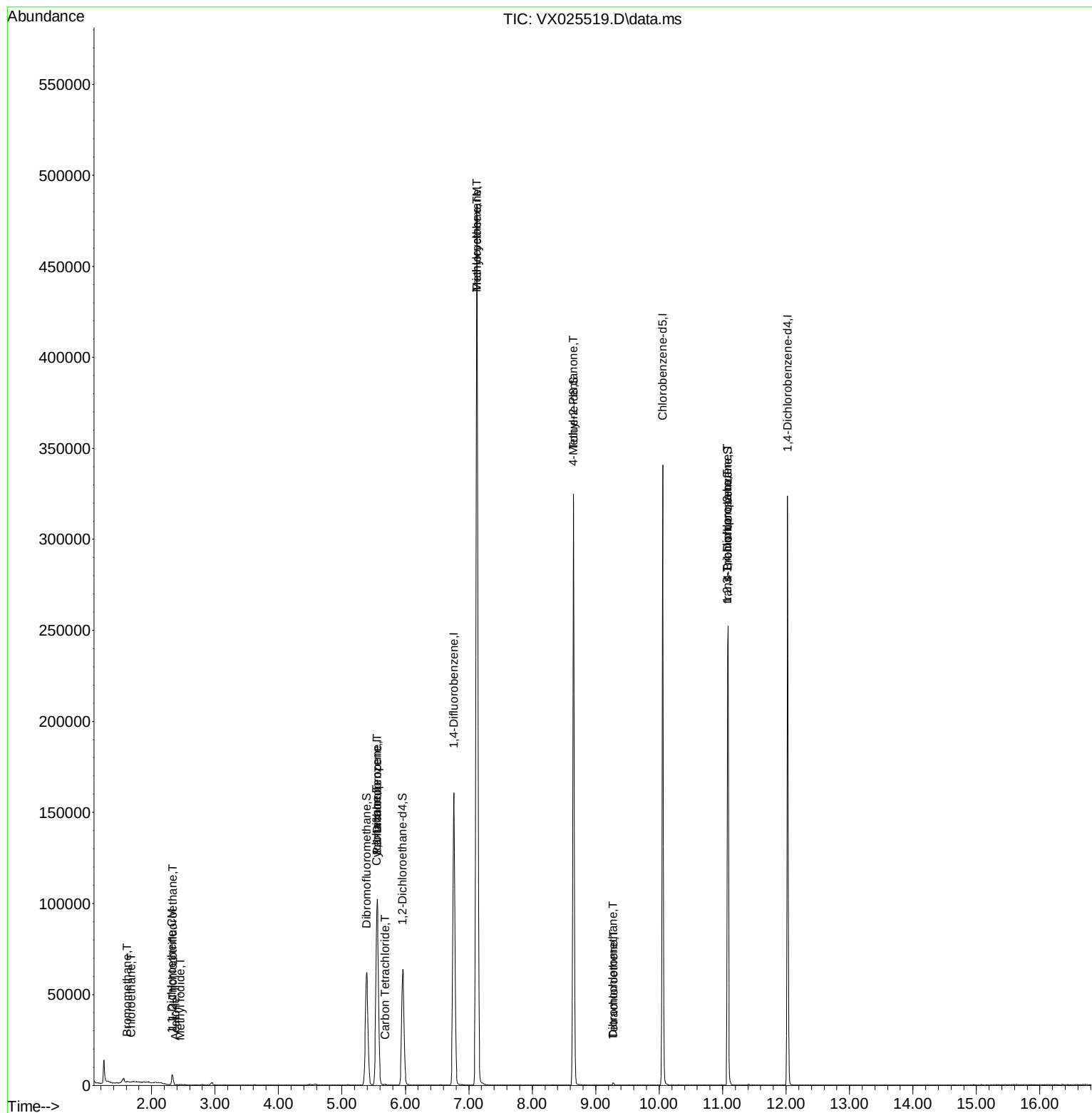
Internal Standards						
1) Pentafluorobenzene	5.556	168	103449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	172620	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	154189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67602	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	60380	55.37	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.74%			
35) Dibromofluoromethane	5.391	113	54423	51.38	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.76%			
50) Toluene-d8	8.653	98	198575	49.87	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.74%			
62) 4-Bromofluorobenzene	11.085	95	68391	45.40	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.80%			
Target Compounds						
						Qvalue
5) Bromomethane	1.611	94	288	0.55	ug/l	97
6) Chloroethane	1.679	64	223	0.27	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	1878	1.95	ug/l	95
10) Methyl Iodide	2.459	142	281	0.23	ug/l #	58
11) Tert butyl alcohol	2.947	59	951	Below Cal	#	72
12) 1,1-Dichloroethene	2.319	96	574	0.60	ug/l #	70
16) Acetone	2.380	43	225	0.37	ug/l	93
31) Cyclohexane	5.550	56	1998	1.19	ug/l #	43
36) 1,1-Dichloropropene	5.556	75	7244	4.81	ug/l #	49
38) Carbon Tetrachloride	5.684	117	425	0.26	ug/l #	77
39) Methylcyclohexane	7.129	83	1993	1.03	ug/l #	1
44) Trichloroethene	7.129	130	194870	147.04	ug/l	93
51) 4-Methyl-2-Pentanone	8.647	43	780	0.44	ug/l #	1
60) Dibromochloromethane	9.275	129	286	0.21	ug/l #	11
64) Tetrachloroethene	9.281	164	296	0.23	ug/l #	73
76) 1,2,3-Trichloropropane	11.079	75	33788	24.41	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33788	61.49	ug/l #	9

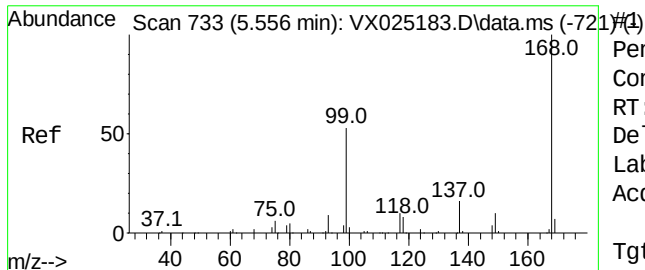
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 2021
Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.556 min Scan#

Delta R.T. -0.000 min

Lab File: VX025519.D

Acq: 04 Dec 2021 14:10

Instrument :

MSVOA_X

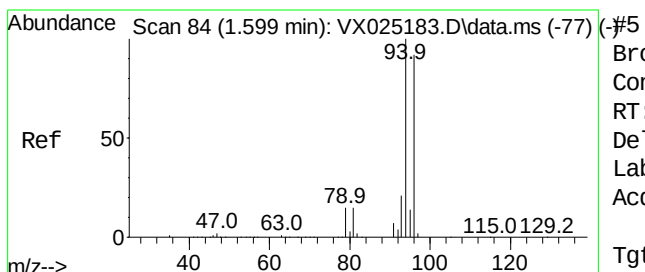
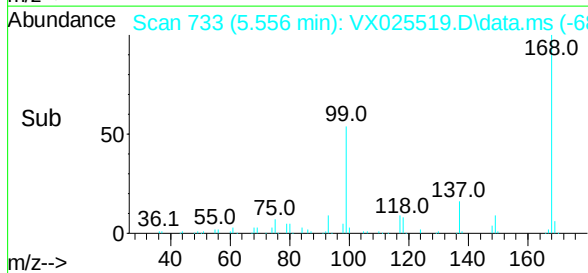
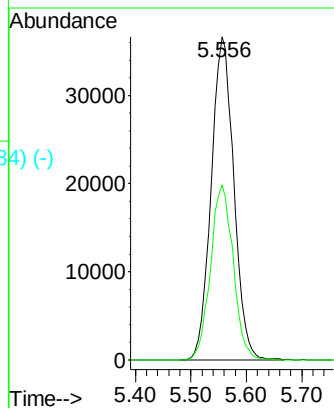
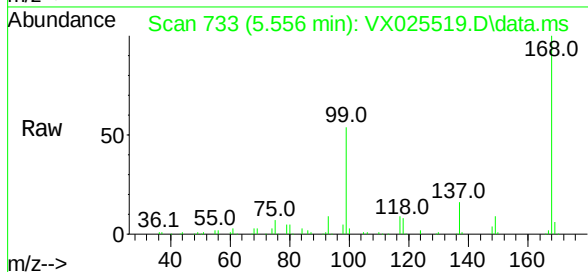
ClientSampleId :

Tgt Ion:168 Resp: 103449

Ion Ratio Lower Upper

168 100

99 54.3 46.4 69.6



Bromomethane

Concen: 0.55 ug/l

RT: 1.611 min Scan# 86

Delta R.T. 0.012 min

Lab File: VX025519.D

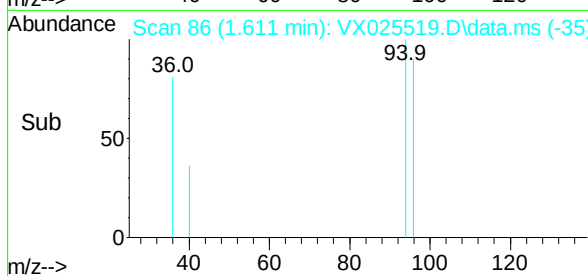
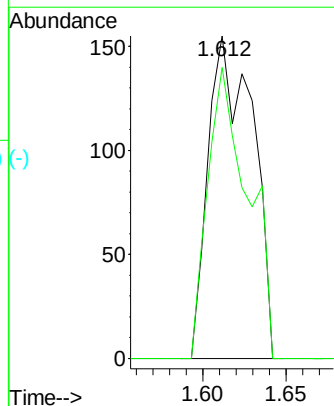
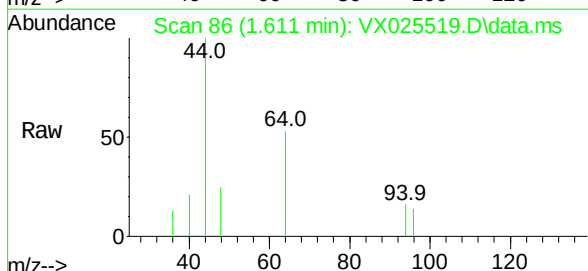
Acq: 04 Dec 2021 14:10

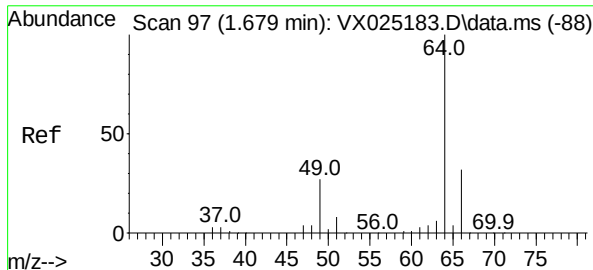
Tgt Ion: 94 Resp: 288

Ion Ratio Lower Upper

94 100

96 90.3 74.8 112.2





Chloroethane

Concen: 0.27 ug/l

RT: 1.679 min Scan#

Delta R.T. -0.000 min

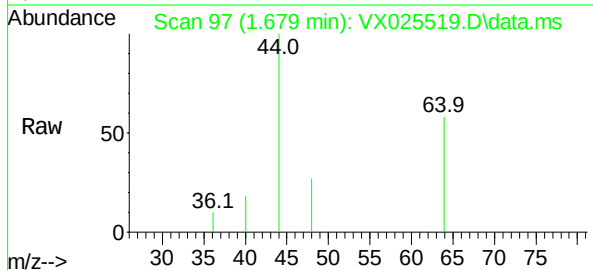
Lab File: VX025519.D

Acq: 04 Dec 2021 14:10

Instrument :

MSVOA_X

ClientSampleId :

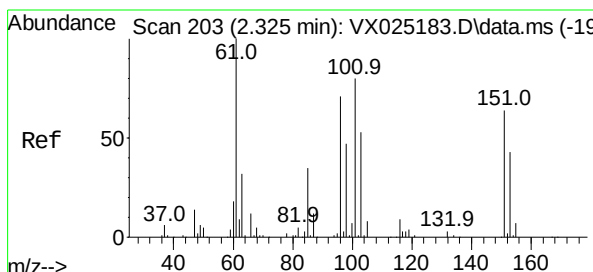
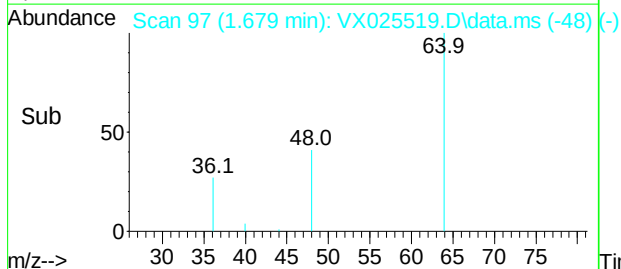
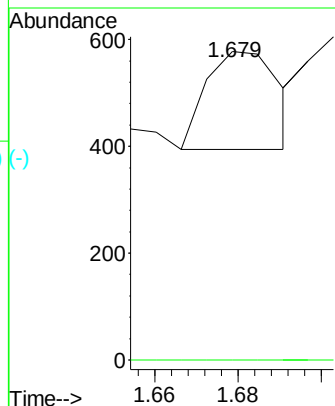


Tgt Ion: 64 Resp: 223

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



1,1,2-Trichlorotrifluoroethane

Concen: 1.95 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.006 min

Lab File: VX025519.D

Acq: 04 Dec 2021 14:10

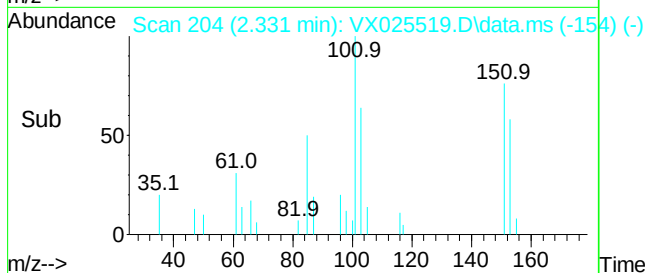
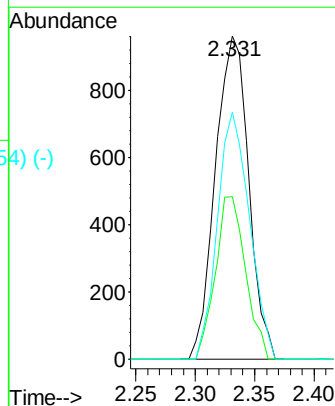
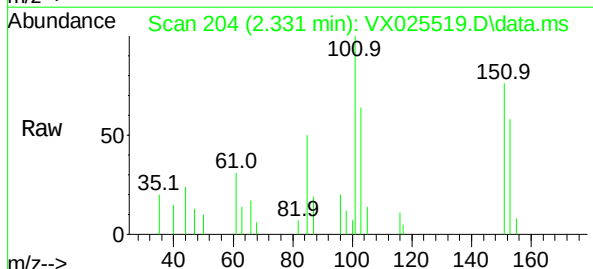
Tgt Ion: 101 Resp: 1878

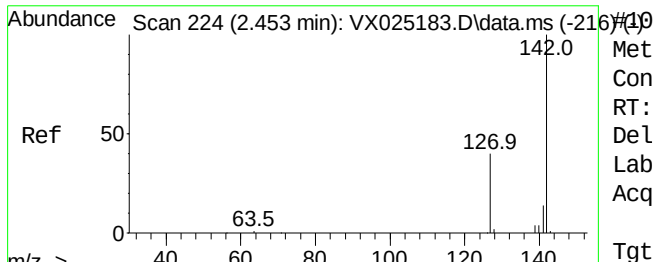
Ion Ratio Lower Upper

101 100

85 45.4 35.9 53.9

151 73.5 64.4 96.6





Methyl Iodide

Concen: 0.23 ug/l

RT: 2.459 min Scan# 1

Delta R.T. 0.006 min

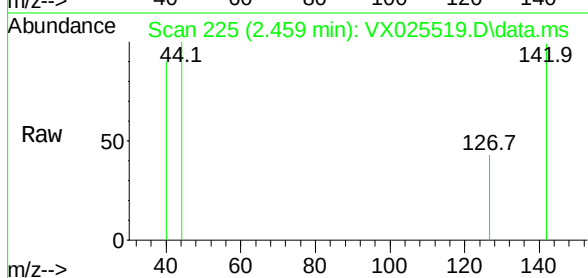
Lab File: VX025519.D

Acq: 04 Dec 2021 14:10

Instrument :

MSVOA_X

ClientSampleId :



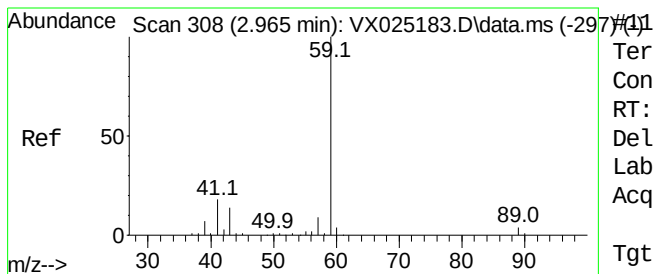
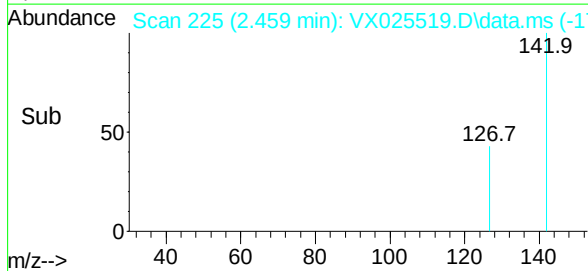
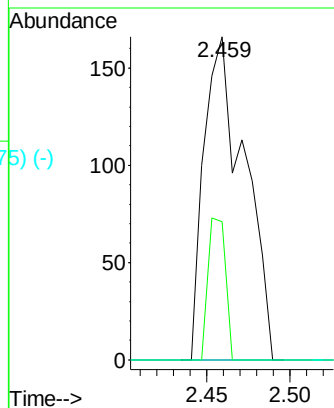
Tgt Ion:142 Resp: 281

Ion Ratio Lower Upper

142 100

127 18.9 38.9 58.3#

141 0.0 11.7 17.5#



Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 305

Delta R.T. -0.018 min

Lab File: VX025519.D

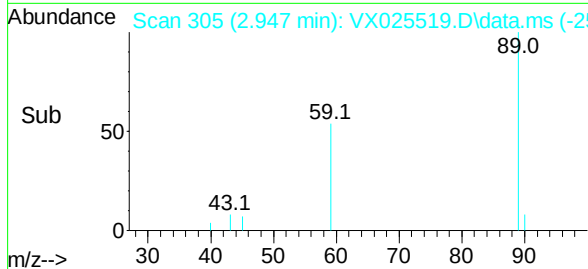
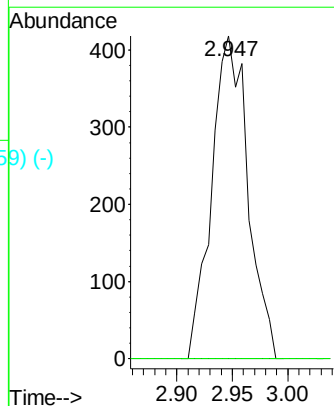
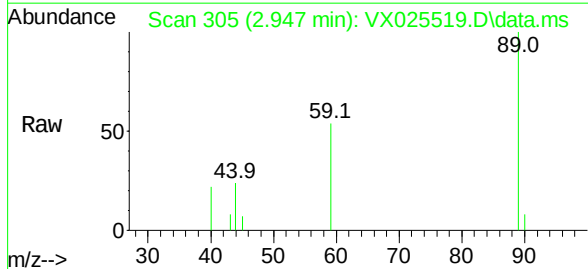
Acq: 04 Dec 2021 14:10

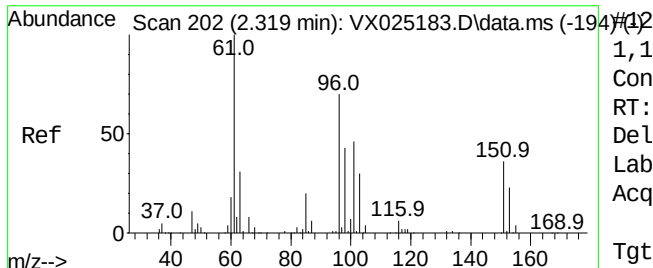
Tgt Ion: 59 Resp: 951

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





1,1-Dichloroethene

Concen: 0.60 ug/l

RT: 2.319 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX025519.D

Acq: 04 Dec 2021 14:10

Instrument :

MSVOA_X

ClientSampleId :

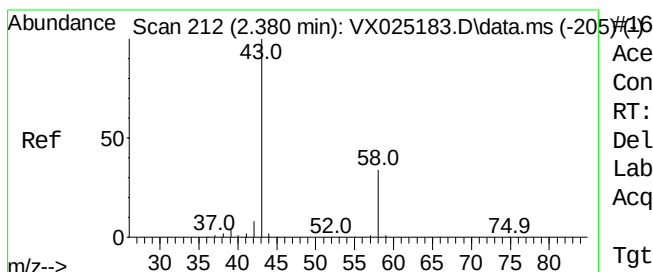
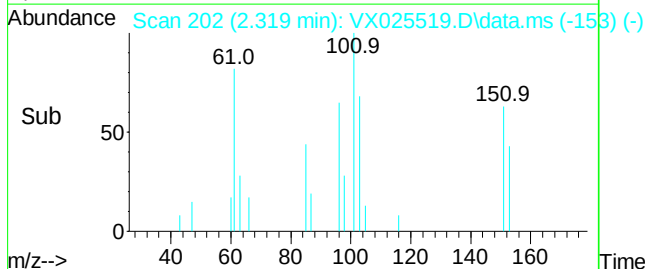
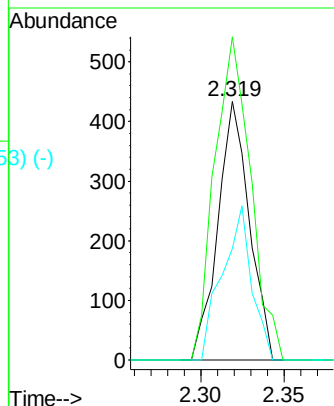
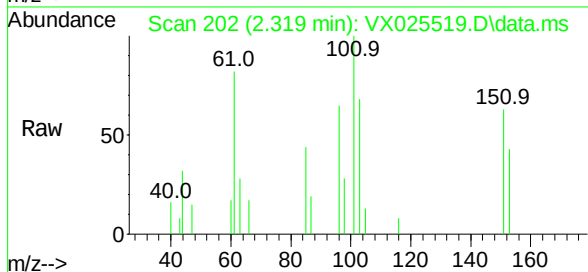
Tgt Ion: 96 Resp: 574

Ion Ratio Lower Upper

96 100

61 124.9 134.1 201.1#

98 43.1 51.5 77.3#



Acetone

Concen: 0.37 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX025519.D

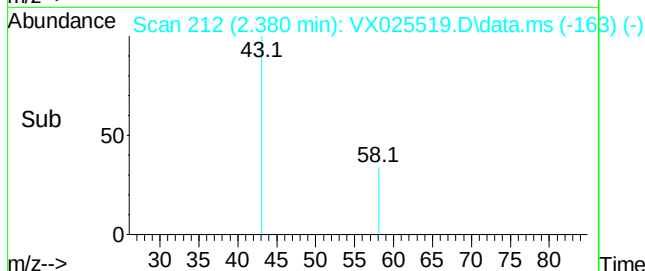
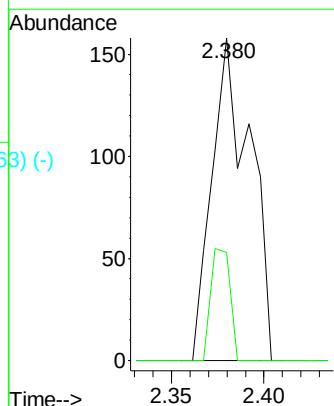
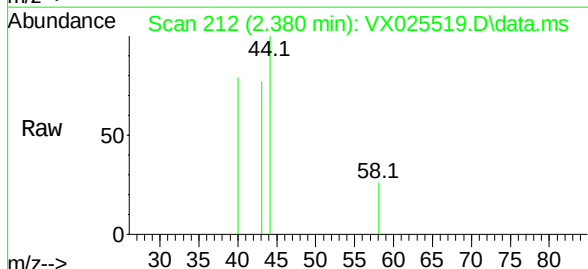
Acq: 04 Dec 2021 14:10

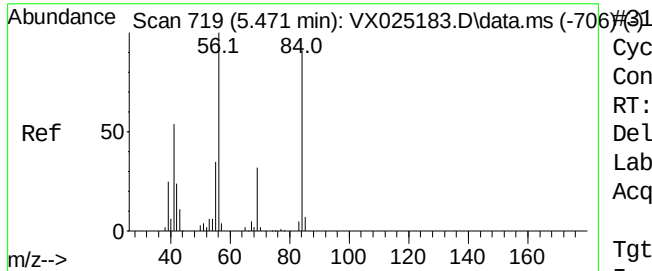
Tgt Ion: 43 Resp: 225

Ion Ratio Lower Upper

43 100

58 33.5 24.0 36.0





Cyclohexane

Concen: 1.19 ug/l

RT: 5.550 min Scan#

Delta R.T. 0.079 min

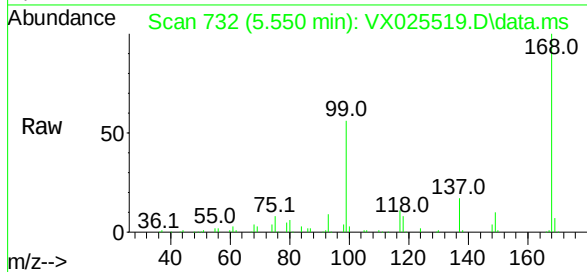
Lab File: VX025519.D

Acq: 04 Dec 2021 14:10

Instrument :

MSVOA_X

ClientSampleId :



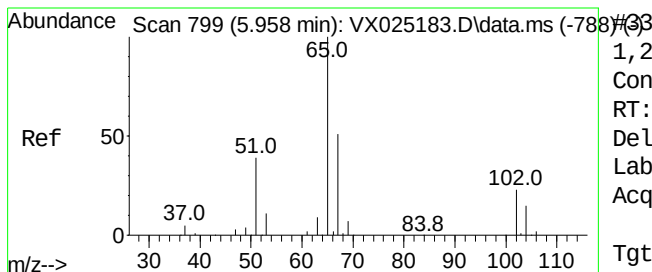
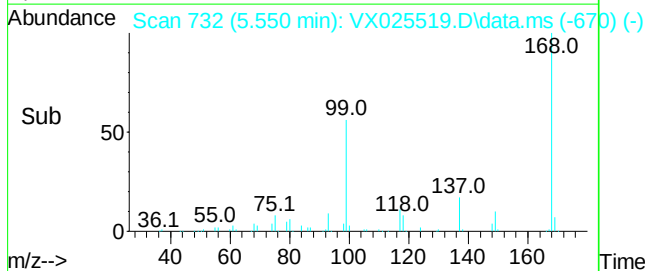
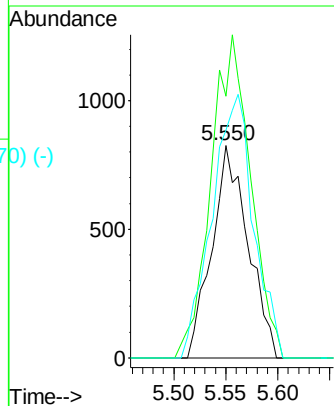
Tgt Ion: 56 Resp: 1998

Ion Ratio Lower Upper

56 100

69 123.1 24.2 36.2#

84 107.1 71.5 107.3



1,2-Dichloroethane-d4

Concen: 55.37 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025519.D

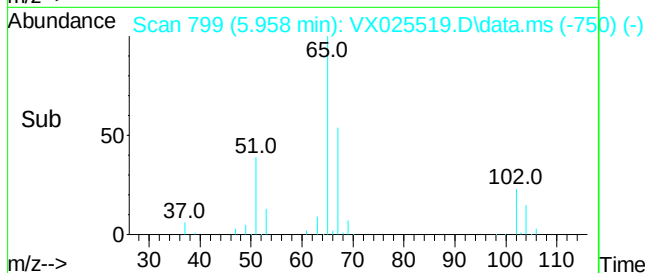
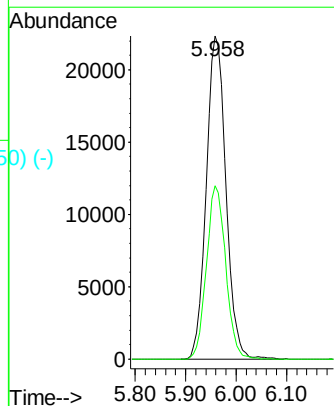
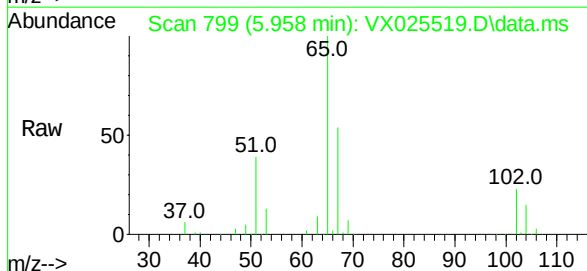
Acq: 04 Dec 2021 14:10

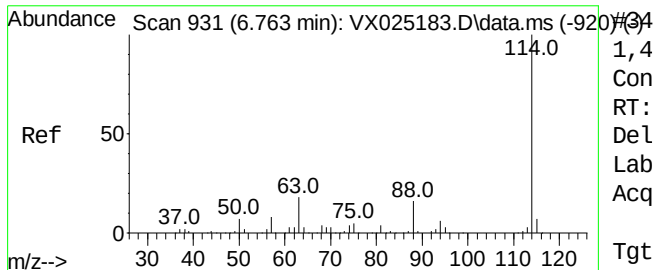
Tgt Ion: 65 Resp: 60380

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.0





1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min MSVOA_X

Lab File: VX025519.D

Acq: 04 Dec 2021 14:10

Instrument :

MSVOA_X

ClientSampleId :

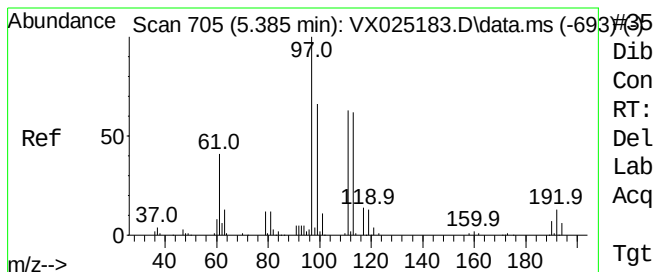
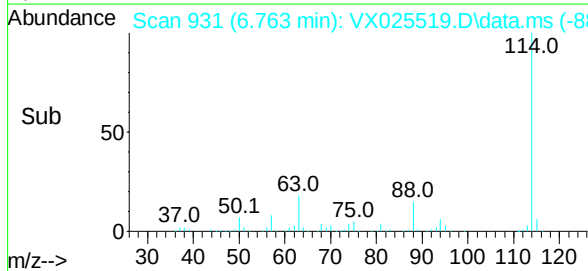
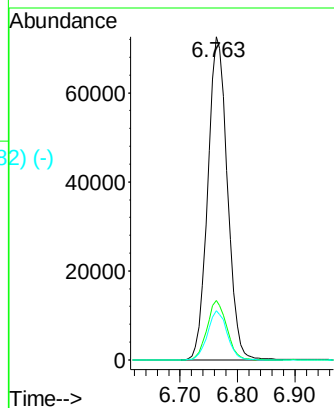
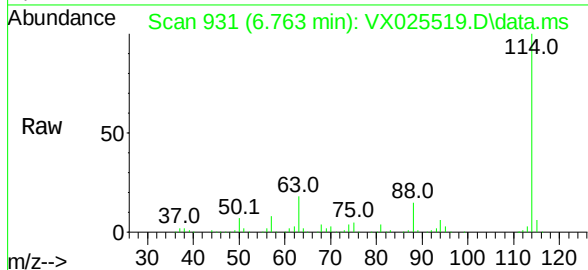
Tgt Ion:114 Resp: 172620

Ion Ratio Lower Upper

114 100

63 18.3 0.0 41.0

88 15.3 0.0 34.8



Dibromofluoromethane

Concen: 51.38 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX025519.D

Acq: 04 Dec 2021 14:10

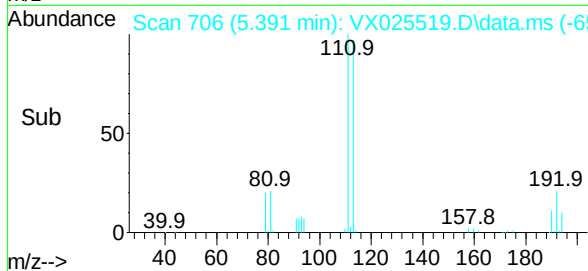
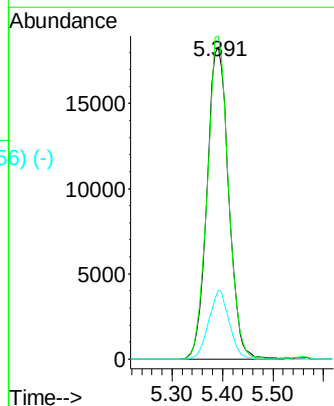
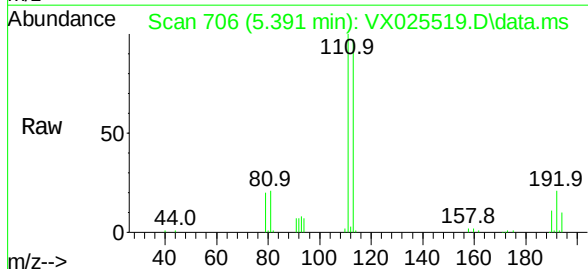
Tgt Ion:113 Resp: 54423

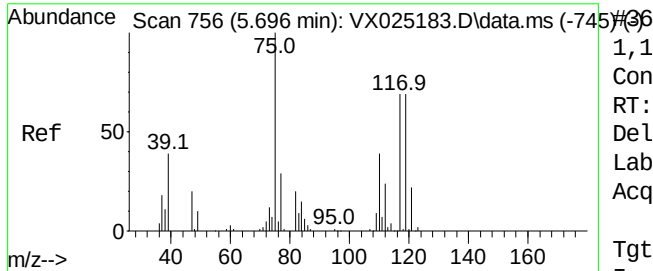
Ion Ratio Lower Upper

113 100

111 101.1 82.1 123.1

192 20.8 15.6 23.4

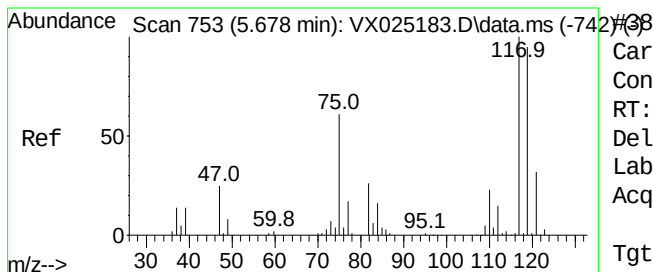
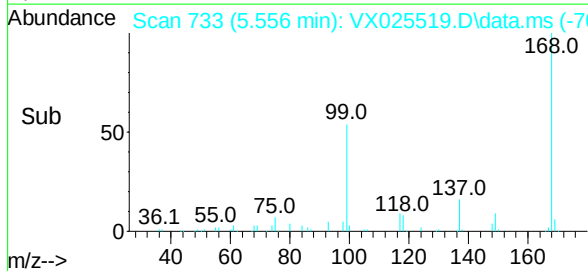
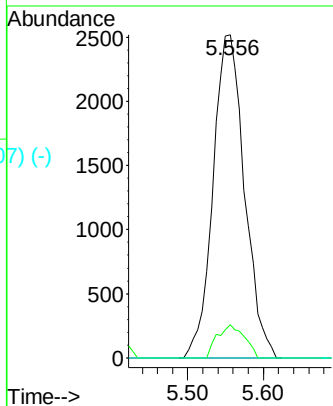
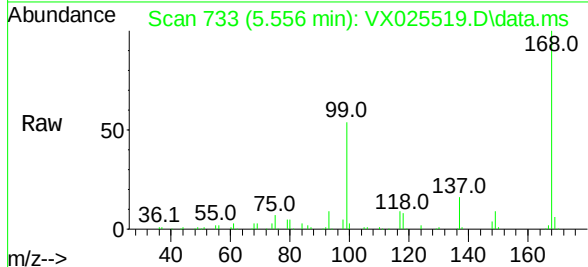




1,1-Dichloropropene
 Concen: 4.81 ug/l
 RT: 5.556 min Scan#
 Delta R.T. -0.140 min
 Lab File: VX025519.D
 Acq: 04 Dec 2021 14:10

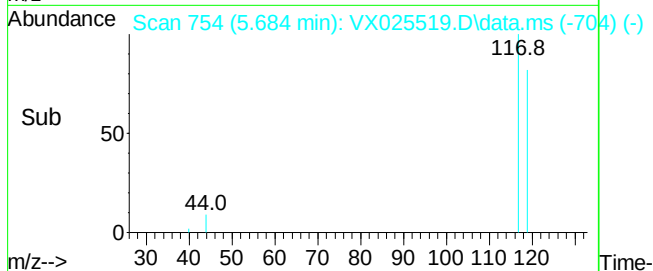
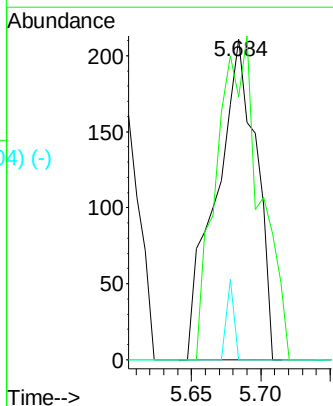
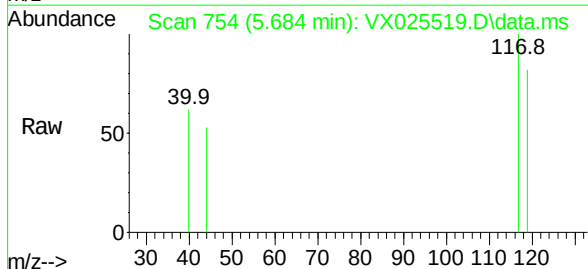
Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:	75	Resp:	7244
Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.3#
77	0.0	24.4	36.6#

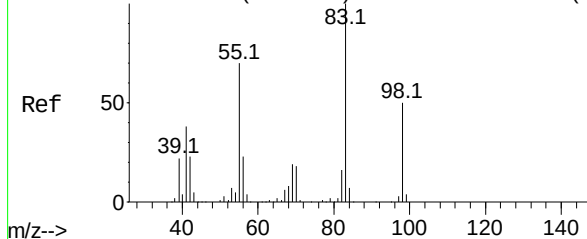


Carbon Tetrachloride
 Concen: 0.26 ug/l
 RT: 5.684 min Scan# 754
 Delta R.T. 0.006 min
 Lab File: VX025519.D
 Acq: 04 Dec 2021 14:10

Tgt Ion:	117	Resp:	425
Ion	Ratio	Lower	Upper
117	100		
119	82.0	75.6	113.4
121	0.0	23.7	35.5#



Abundance Scan 1033 (7.385 min): VX025183.D\data.ms (-1029)



Methylcyclohexane

Concen: 1.03 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX025519.D

Acq: 04 Dec 2021 14:10

Instrument :

MSVOA_X

ClientSampleId :

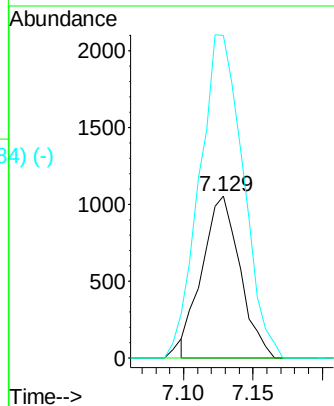
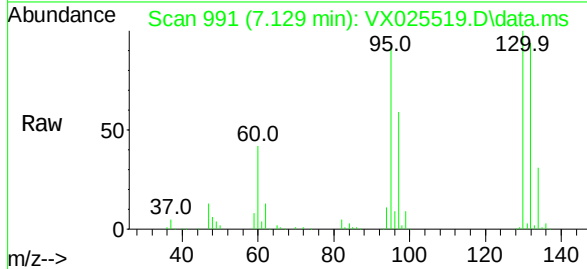
Tgt Ion: 83 Resp: 1993

Ion Ratio Lower Upper

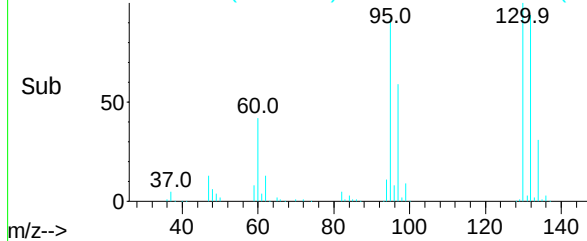
83 100

55 0.0 60.8 91.2#

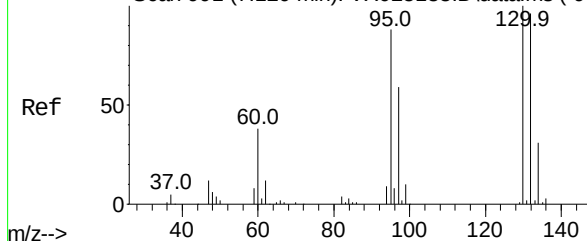
98 199.3 37.0 55.4#



Abundance Scan 991 (7.129 min): VX025519.D\data.ms (-984) (-)



Abundance Scan 991 (7.129 min): VX025183.D\data.ms (-981) (-)



Trichloroethene

Concen: 147.04 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX025519.D

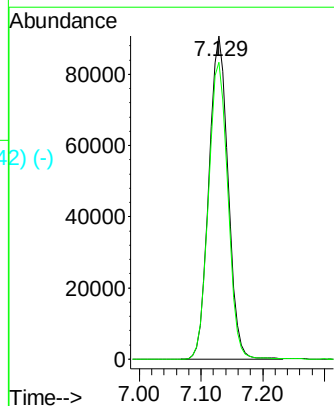
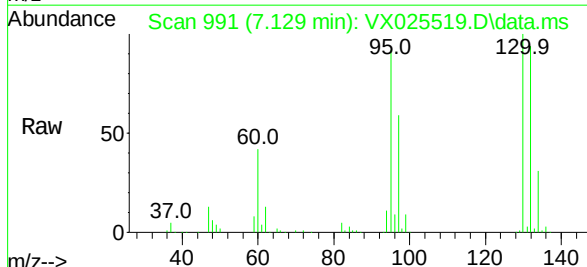
Acq: 04 Dec 2021 14:10

Tgt Ion:130 Resp: 194870

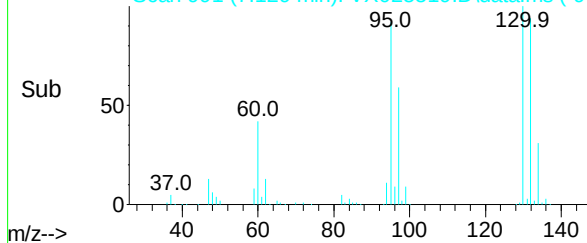
Ion Ratio Lower Upper

130 100

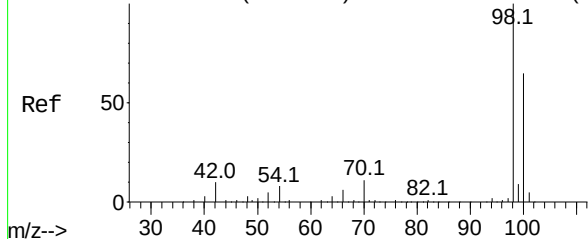
95 91.9 0.0 196.8



Abundance Scan 991 (7.129 min): VX025519.D\data.ms (-942) (-)



Abundance Scan 1241 (8.653 min): VX025183.D\data.ms (-12350-)



Toluene-d8

Concen: 49.87 ug/l

RT: 8.653 min Scan#

Delta R.T. -0.000 min

Lab File: VX025519.D

Acq: 04 Dec 2021 14:10

Instrument :

MSVOA_X

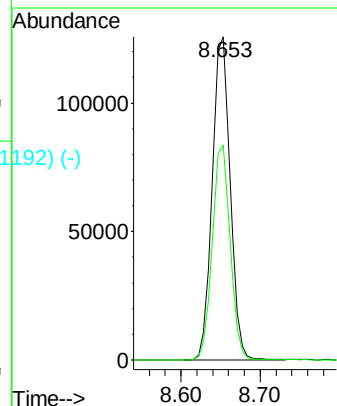
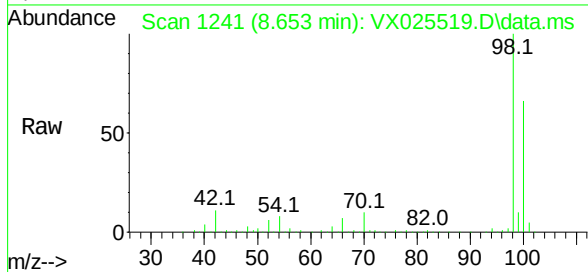
ClientSampleId :

Tgt Ion: 98 Resp: 198575

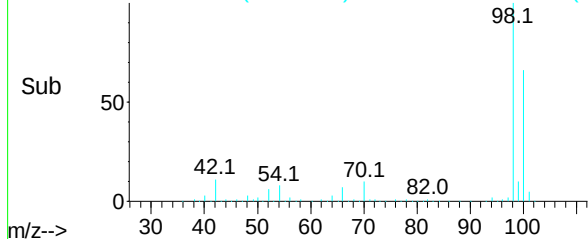
Ion Ratio Lower Upper

98 100

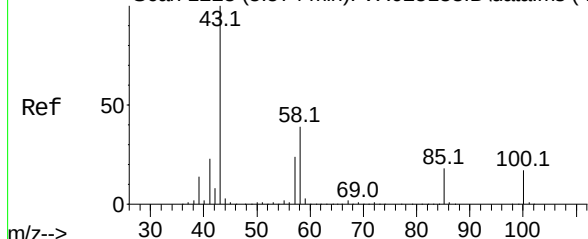
100 66.4 51.4 77.0



Abundance Scan 1241 (8.653 min): VX025519.D\data.ms (-1192-)



Abundance Scan 1228 (8.574 min): VX025183.D\data.ms (-12351-)



4-Methyl-2-Pentanone

Concen: 0.44 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX025519.D

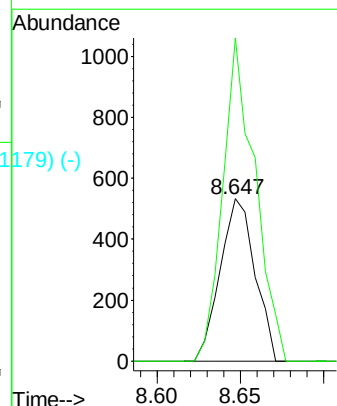
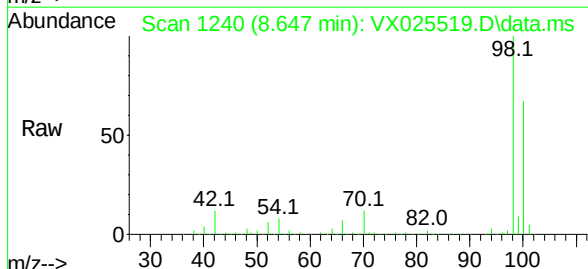
Acq: 04 Dec 2021 14:10

Tgt Ion: 43 Resp: 780

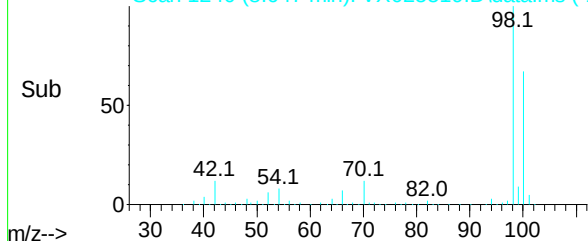
Ion Ratio Lower Upper

43 100

58 184.0 30.9 46.3#



Abundance Scan 1240 (8.647 min): VX025519.D\data.ms (-1179-)



Abundance Scan 1384 (9.525 min): VX025183.D\data.ms (-13760)

Dibromochloromethane

Concen: 0.21 ug/l

RT: 9.275 min Scan#

Delta R.T. -0.250 min

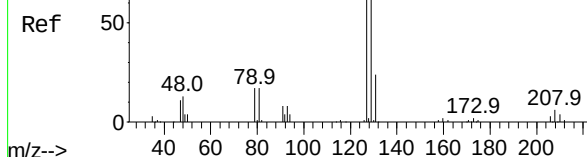
Lab File: VX025519.D

Acq: 04 Dec 2021 14:10

Instrument :

MSVOA_X

ClientSampleId :

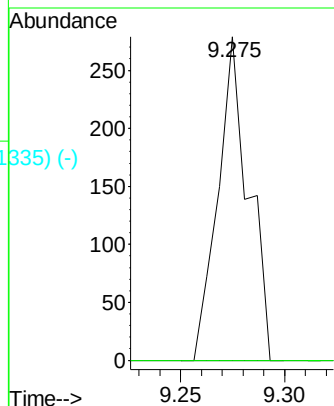
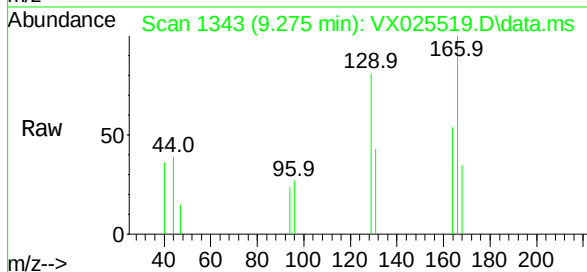


Tgt Ion:129 Resp: 286

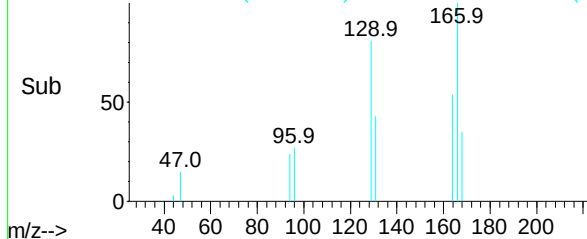
Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#



Abundance Scan 1343 (9.275 min): VX025519.D\data.ms (-1335) (-)



Abundance Scan 1639 (11.079 min): VX025183.D\data.ms (-1639) (-)

4-Bromofluorobenzene

Concen: 45.40 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX025519.D

Acq: 04 Dec 2021 14:10

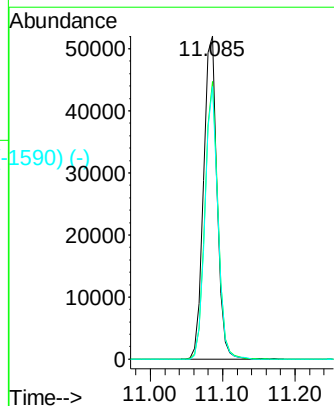
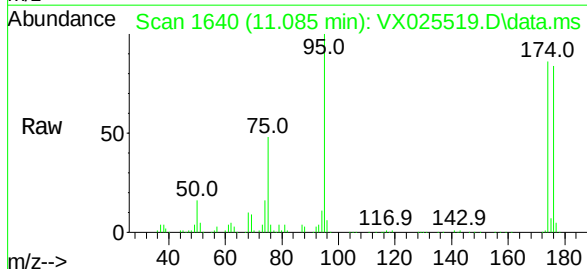
Tgt Ion: 95 Resp: 68391

Ion Ratio Lower Upper

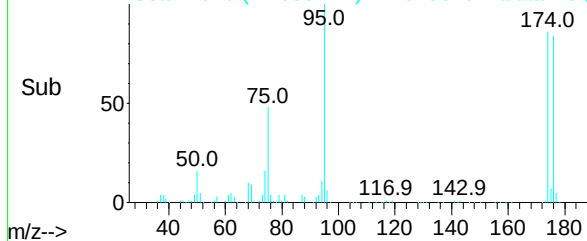
95 100

174 83.3 0.0 158.0

176 81.2 0.0 153.6



Abundance Scan 1640 (11.085 min): VX025519.D\data.ms (-1590) (-)



Abundance Scan 1471 (10.055 min): VX025183.D\data.ms (-1468) (-)

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.055 min Scan# 1468

Delta R.T. 0.000 min

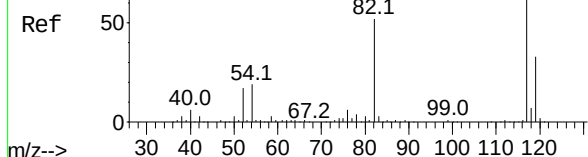
Lab File: VX025519.D

Acq: 04 Dec 2021 14:10

Instrument :

MSVOA_X

ClientSampleId :



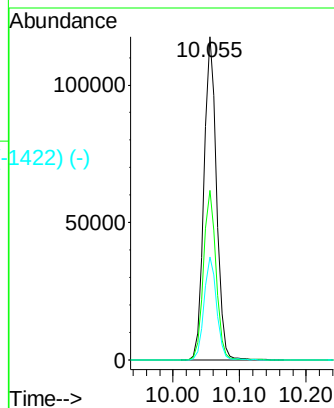
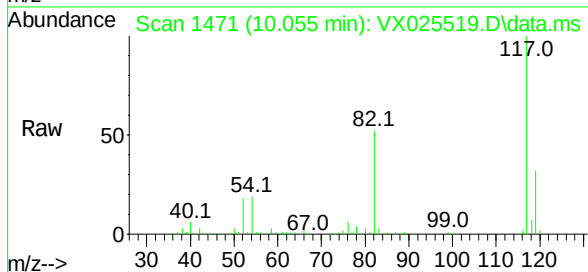
Tgt Ion:117 Resp: 154189

Ion Ratio Lower Upper

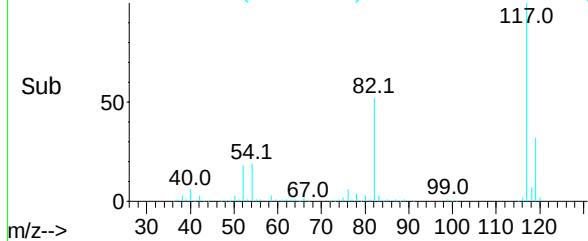
117 100

82 52.5 44.6 67.0

119 31.8 24.8 37.2



Abundance Scan 1471 (10.055 min): VX025519.D\data.ms (-1422) (-)



Abundance Scan 1343 (9.275 min): VX025183.D\data.ms (-1364) (-)

Tetrachloroethene

Concen: 0.23 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VX025519.D

Acq: 04 Dec 2021 14:10

Tgt Ion:164 Resp: 296

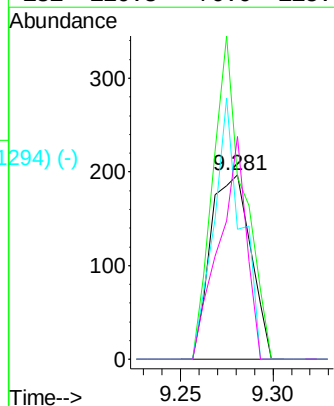
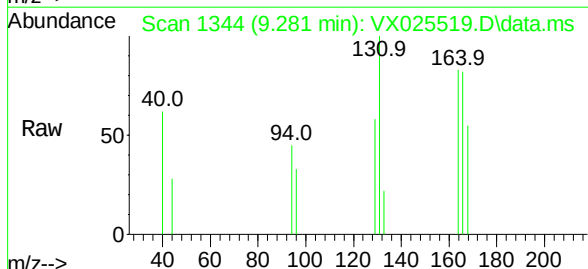
Ion Ratio Lower Upper

164 100

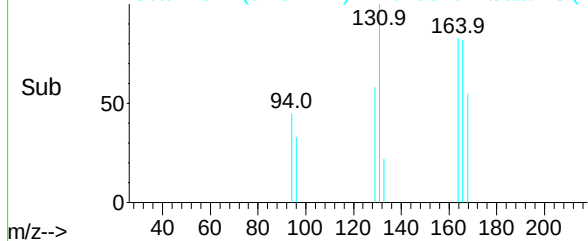
166 98.5 103.2 154.8#

129 70.6 81.0 121.4#

131 120.8 76.6 115.0#



Abundance Scan 1344 (9.281 min): VX025519.D\data.ms (-1294) (-)



Abundance Scan 1794 (12.024 min): VX025183.D\data.ms (-1759) (-)

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.024 min Scan# 1759

Delta R.T. 0.000 min

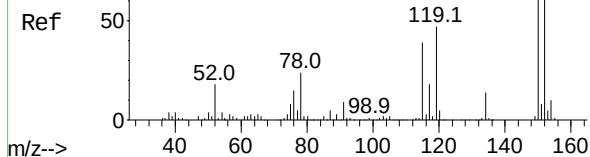
Lab File: VX025519.D

Acq: 04 Dec 2021 14:10

Instrument :

MSVOA_X

ClientSampleId :



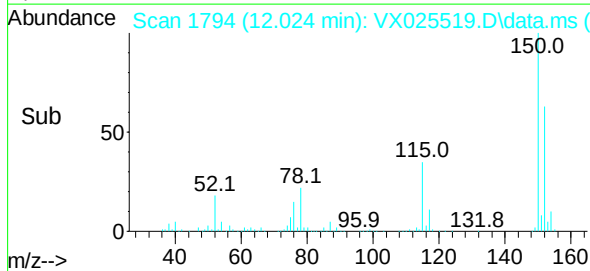
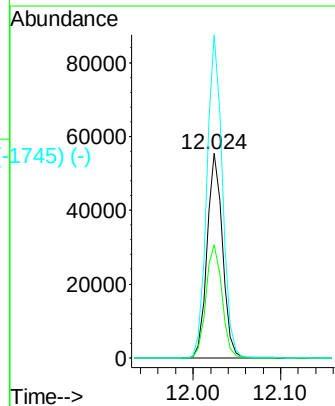
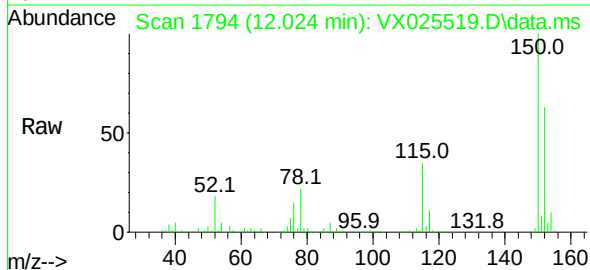
Tgt Ion:152 Resp: 67602

Ion Ratio Lower Upper

152 100

115 57.3 43.3 129.8

150 158.9 0.0 351.2



Abundance Scan 1666 (11.244 min): VX025183.D\data.ms (-1676) (-)

1,2,3-Trichloropropane

Concen: 24.41 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX025519.D

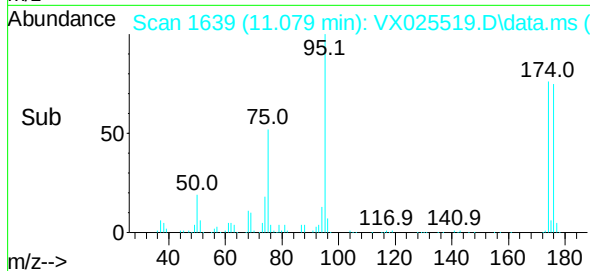
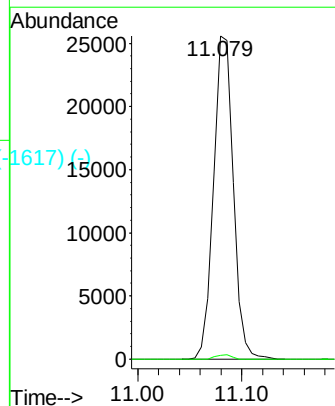
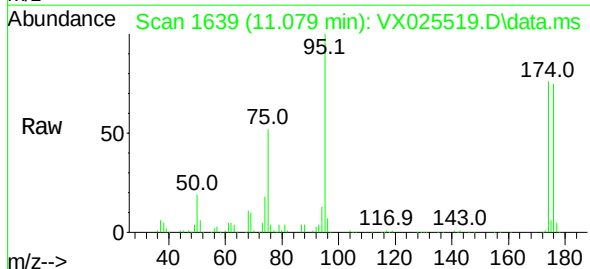
Acq: 04 Dec 2021 14:10

Tgt Ion: 75 Resp: 33788

Ion Ratio Lower Upper

75 100

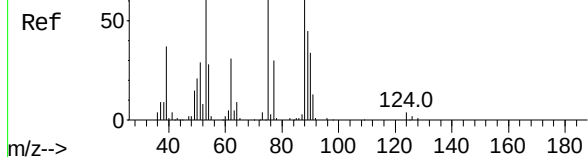
77 1.0 20.0 59.9#



Abundance Scan 1629 (11.018 min): VX025183.D\data.ms (-1580) (-)

trans-1,4-Dichloro-2-butene
 Concen: 61.49 ug/l
 RT: 11.079 min Scan# 1629
 Delta R.T. 0.061 min
 Lab File: VX025519.D
 Acq: 04 Dec 2021 14:10

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	75	Resp:	33788
Ion	Ratio	Lower	Upper
75	100		
53	0.0	81.9	122.9#
89	0.0	38.2	57.2#

