

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120421\
 Data File : VX025523.D
 Acq On : 04 Dec 2021 15:44
 Operator : JC/MD
 Sample : M4924-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 06 01:02:53 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)

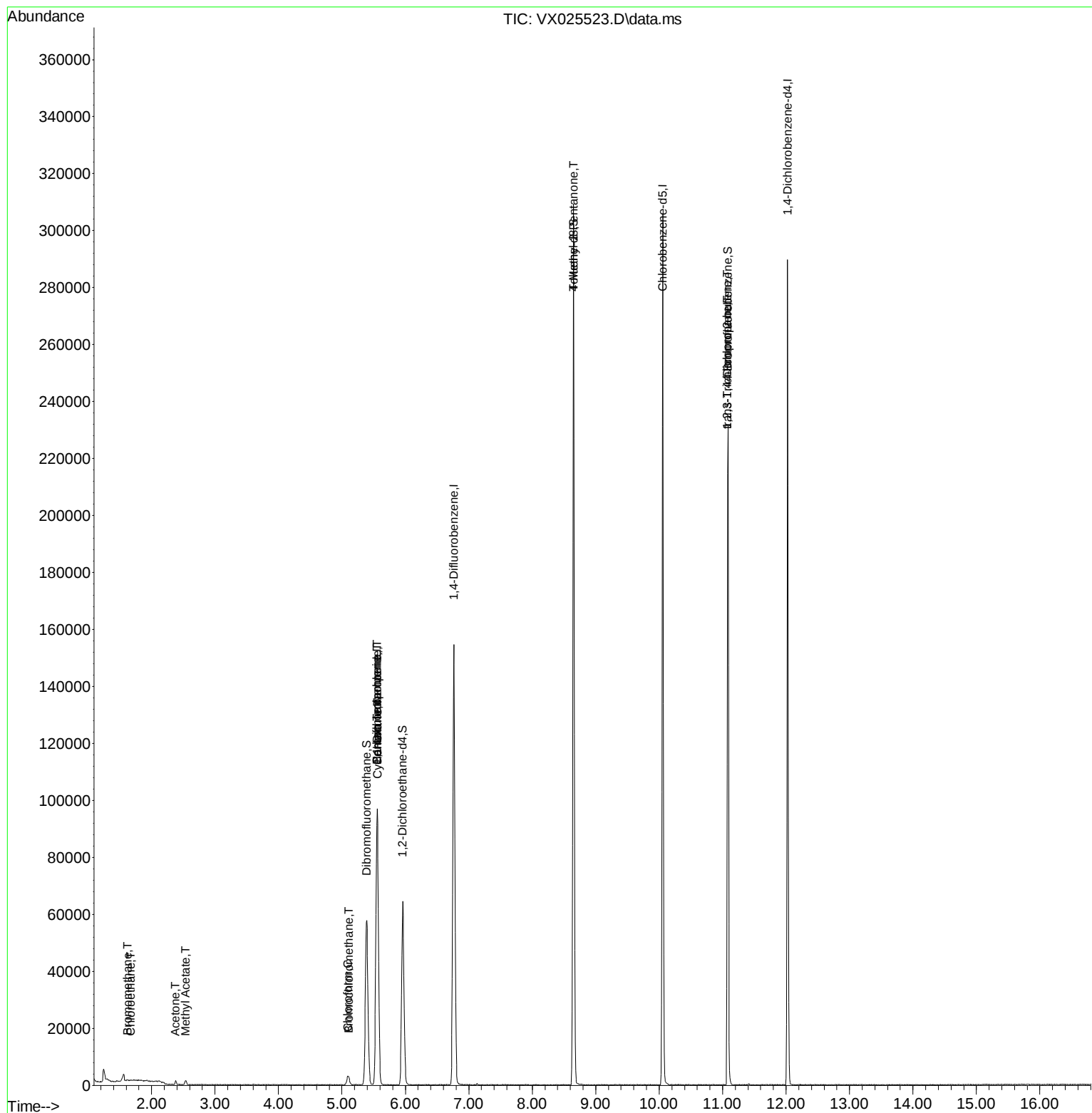
Internal Standards						
1) Pentafluorobenzene	5.556	168	98172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	163304	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	142252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60029	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58358	56.40	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.80%			
35) Dibromofluoromethane	5.391	113	50618	50.52	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.04%			
50) Toluene-d8	8.653	98	186894	49.61	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.22%			
62) 4-Bromofluorobenzene	11.085	95	61431	43.10	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.20%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	191	0.38	ug/l	97
6) Chloroethane	1.672	64	176	0.22	ug/l #	43
16) Acetone	2.380	43	1274	2.22	ug/l	96
18) Methyl Acetate	2.538	43	433	0.24	ug/l #	52
28) Bromochloromethane	5.111	49	297	0.37	ug/l #	11
30) Chloroform	5.093	83	4000	2.24	ug/l	99
31) Cyclohexane	5.562	56	1835	1.15	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	6848	4.81	ug/l #	50
38) Carbon Tetrachloride	5.556	117	9464	6.03	ug/l #	15
51) 4-Methyl-2-Pentanone	8.653	43	716	0.42	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	30645	24.93	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	30645	62.80	ug/l #	9
95) Naphthalene	13.786	128	22	Below Cal	#	69

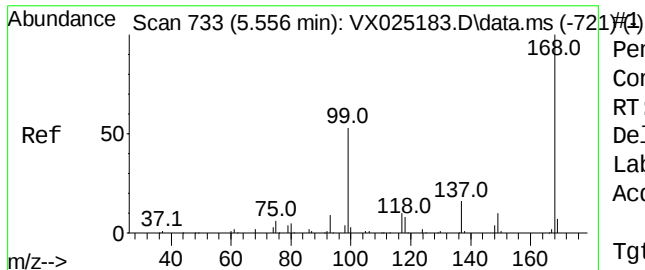
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.556 min Scan#

Delta R.T. -0.000 min

Lab File: VX025523.D

Acq: 04 Dec 2021 15:44

Instrument :

MSVOA_X

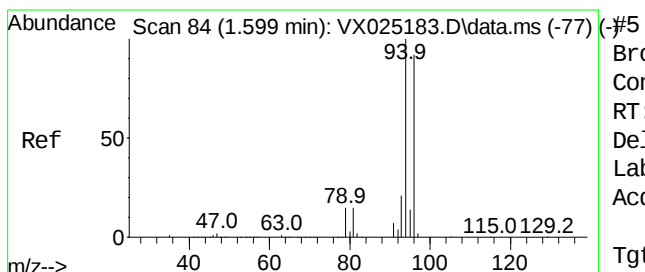
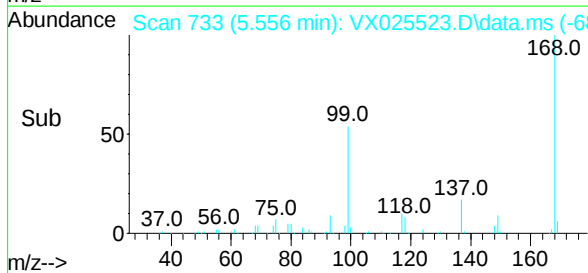
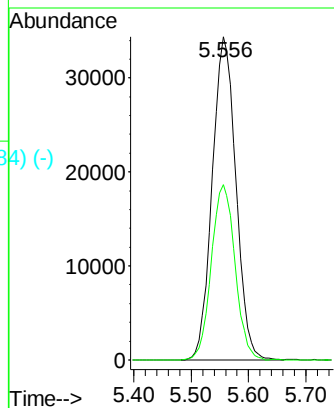
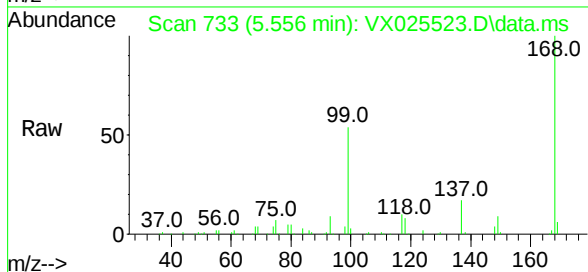
ClientSampleId :

Tgt Ion:168 Resp: 98172

Ion Ratio Lower Upper

168 100

99 54.3 46.4 69.6



Bromomethane

Concen: 0.38 ug/l

RT: 1.624 min Scan# 88

Delta R.T. 0.025 min

Lab File: VX025523.D

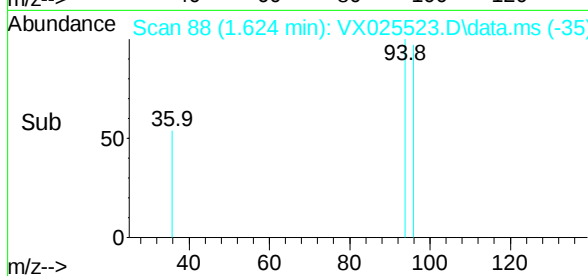
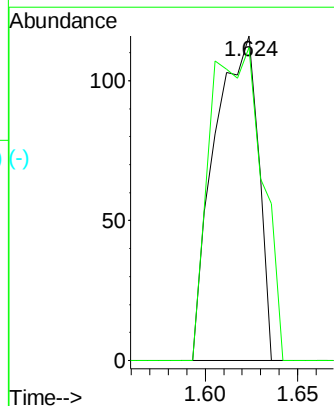
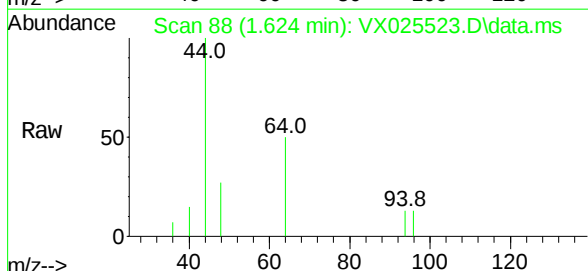
Acq: 04 Dec 2021 15:44

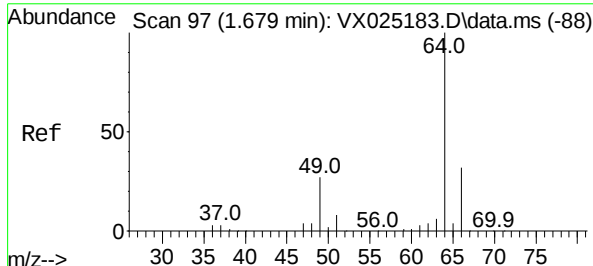
Tgt Ion: 94 Resp: 191

Ion Ratio Lower Upper

94 100

96 96.6 74.8 112.2





Chloroethane

Concen: 0.22 ug/l

RT: 1.672 min Scan# 96

Delta R.T. -0.007 min

Lab File: VX025523.D

Acq: 04 Dec 2021 15:44

Instrument :

MSVOA_X

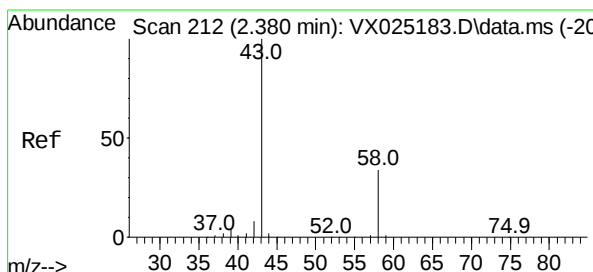
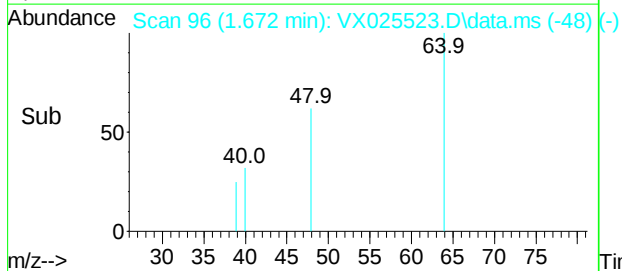
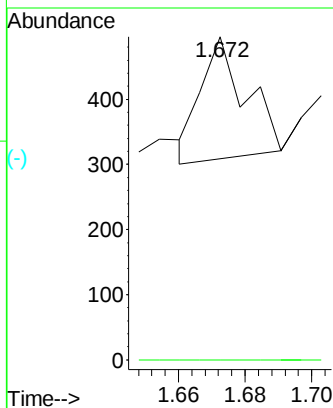
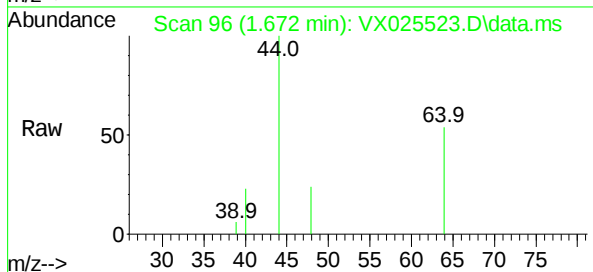
ClientSampleId :

Tgt Ion: 64 Resp: 176

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Acetone

Concen: 2.22 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX025523.D

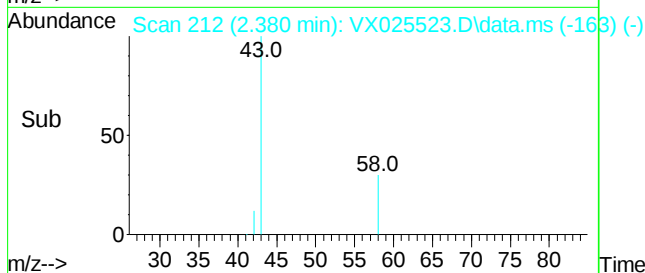
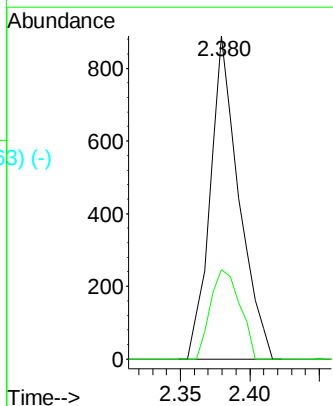
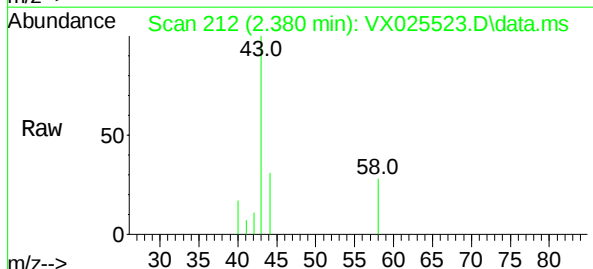
Acq: 04 Dec 2021 15:44

Tgt Ion: 43 Resp: 1274

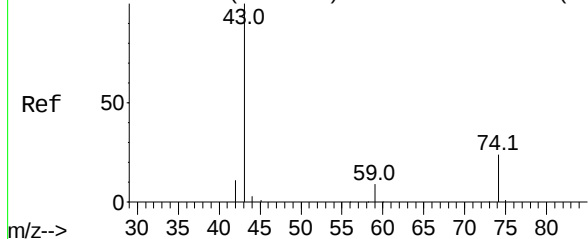
Ion Ratio Lower Upper

43 100

58 27.7 24.0 36.0



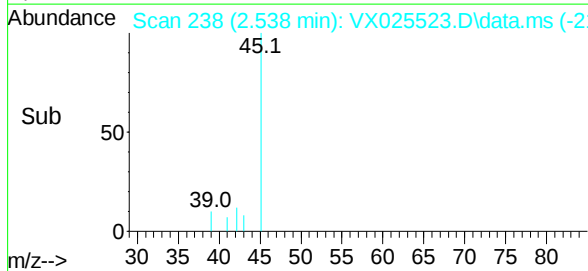
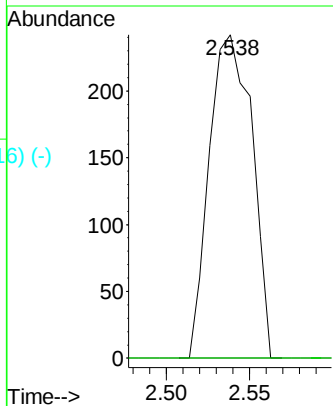
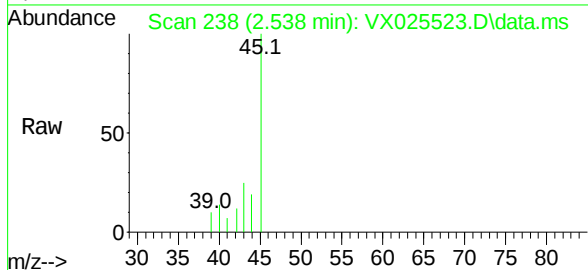
Abundance Scan 265 (2.703 min): VX025183.D\data.ms (-255) #18



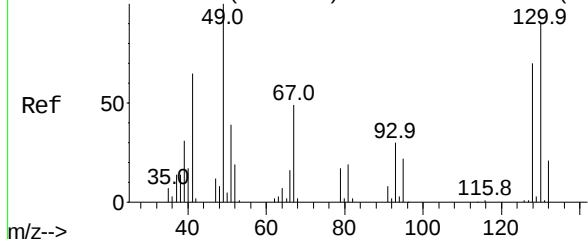
Methyl Acetate
 Concen: 0.24 ug/l
 RT: 2.538 min Scan# 1
 Delta R.T. -0.165 min
 Lab File: VX025523.D
 Acq: 04 Dec 2021 15:44

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 43 Resp: 433
 Ion Ratio Lower Upper
 43 100
 74 0.0 19.0 28.6#

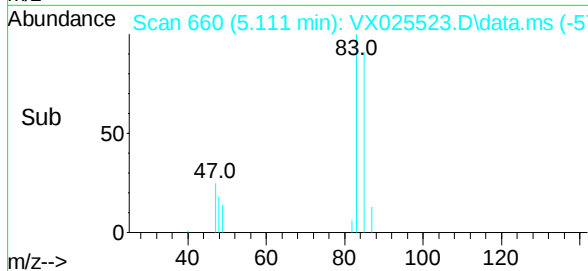
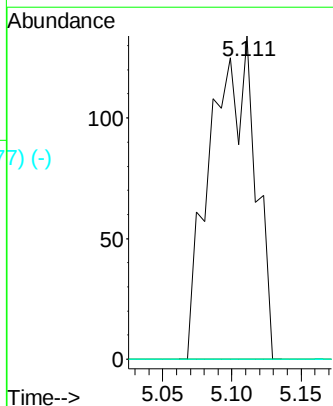
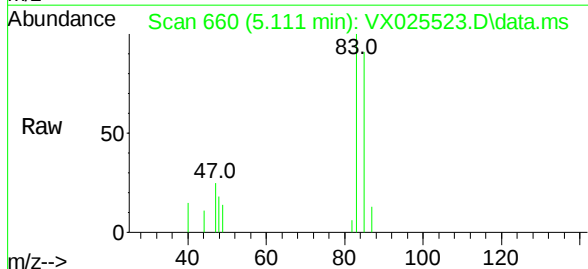


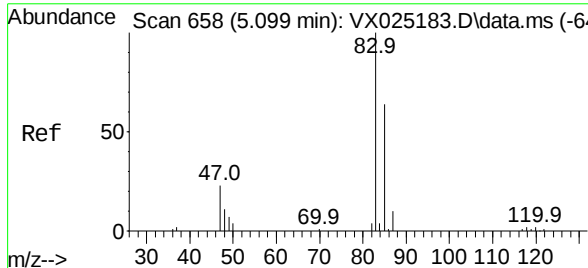
Abundance Scan 626 (4.904 min): VX025183.D\data.ms (-614) #28



Bromochloromethane
 Concen: 0.37 ug/l
 RT: 5.111 min Scan# 660
 Delta R.T. 0.207 min
 Lab File: VX025523.D
 Acq: 04 Dec 2021 15:44

Tgt Ion: 49 Resp: 297
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.4
 130 0.0 65.2 97.8#





Chloroform

Concen: 2.24 ug/l

RT: 5.093 min Scan#

Delta R.T. -0.006 min

Lab File: VX025523.D

Acq: 04 Dec 2021 15:44

Instrument :

MSVOA_X

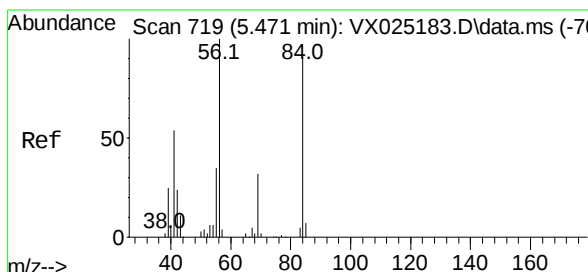
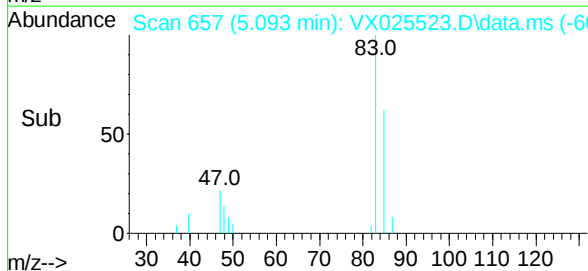
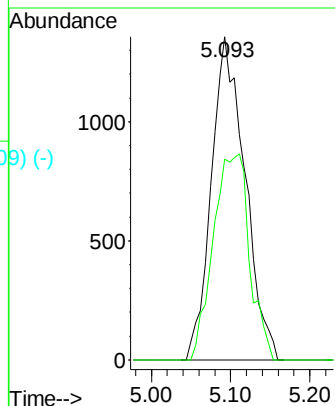
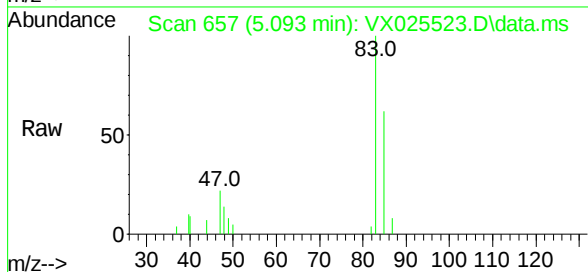
ClientSampleId :

Tgt Ion: 83 Resp: 4000

Ion Ratio Lower Upper

83 100

85 62.1 50.2 75.2



Cyclohexane

Concen: 1.15 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.091 min

Lab File: VX025523.D

Acq: 04 Dec 2021 15:44

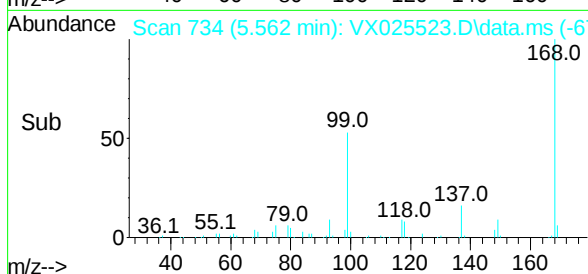
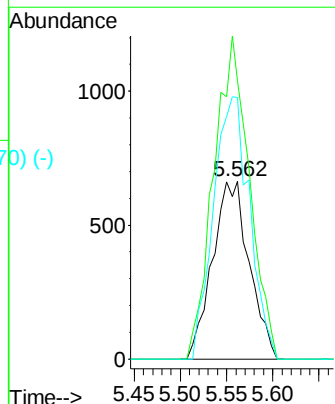
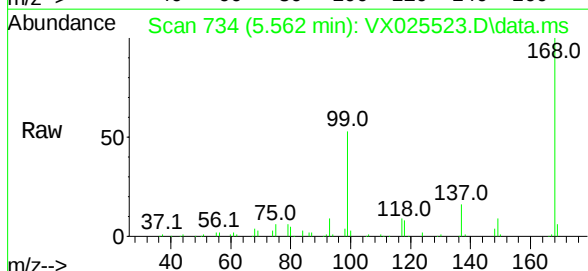
Tgt Ion: 56 Resp: 1835

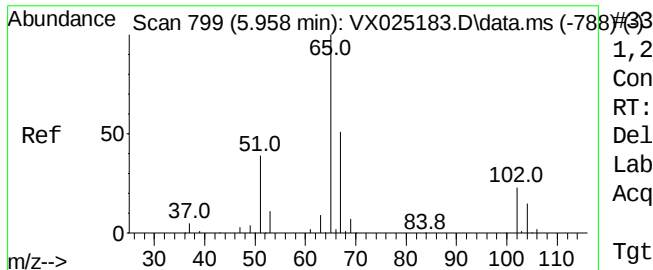
Ion Ratio Lower Upper

56 100

69 156.2 24.2 36.2#

84 146.8 71.5 107.3#

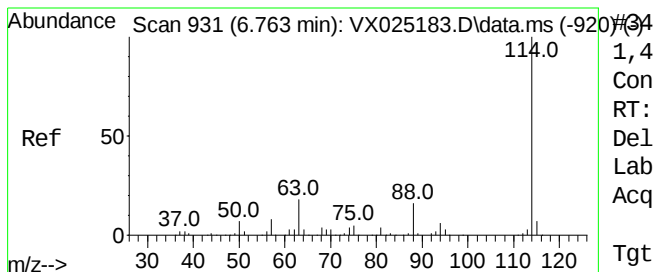
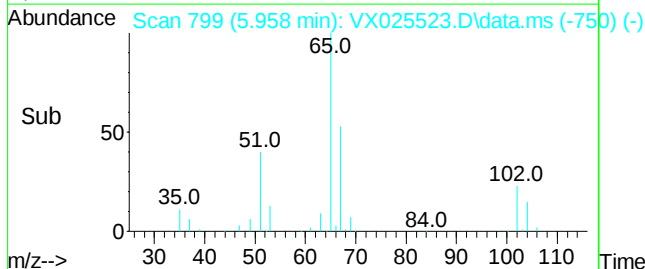
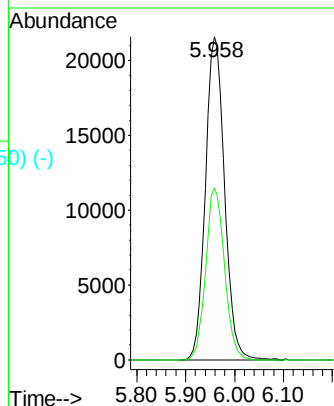
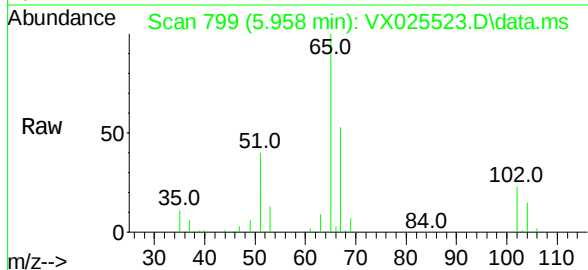




1,2-Dichloroethane-d4
 Concen: 56.40 ug/l
 RT: 5.958 min Scan#
 Delta R.T. 0.000 min
 Lab File: VX025523.D
 Acq: 04 Dec 2021 15:44

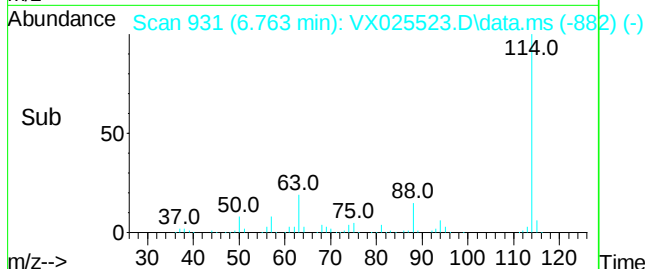
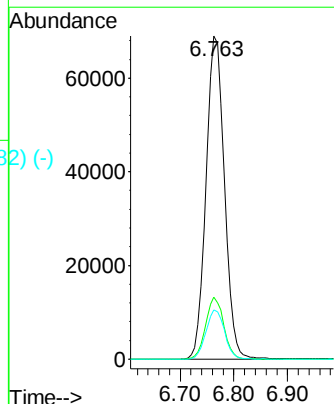
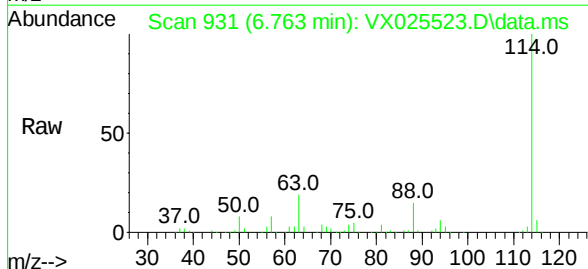
Instrument :
 MSVOA_X
 ClientSampleId :

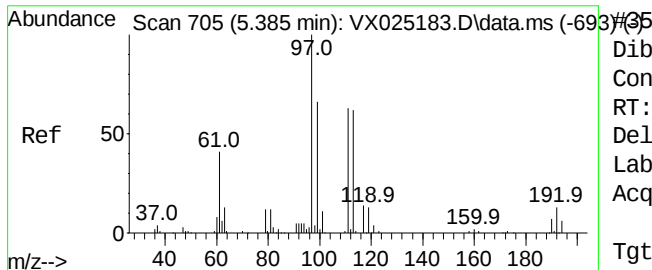
Tgt Ion: 65 Resp: 58358
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 101.0



1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX025523.D
 Acq: 04 Dec 2021 15:44

Tgt Ion:114 Resp: 163304
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.0
 88 15.2 0.0 34.8

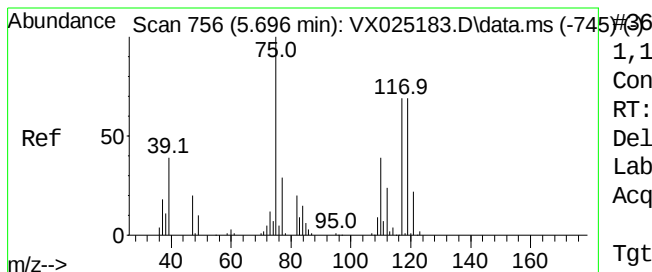
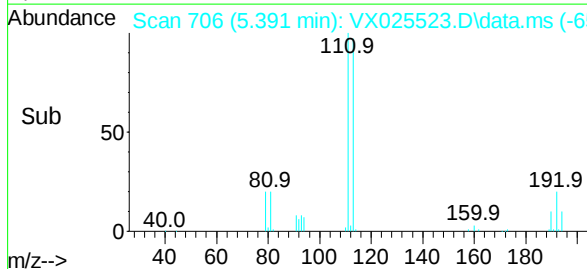
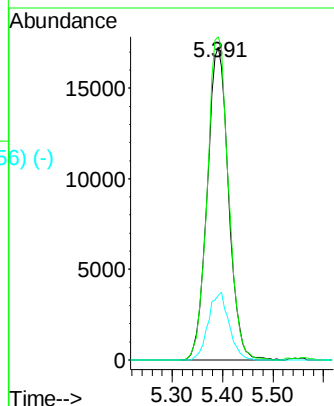
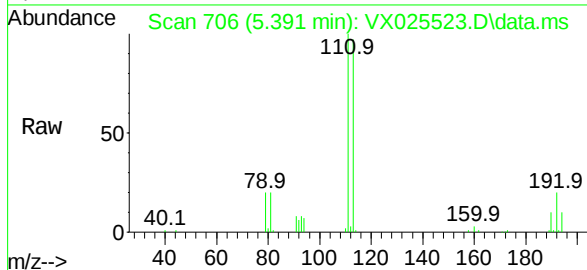




Dibromofluoromethane
Concen: 50.52 ug/l
RT: 5.391 min Scan#
Delta R.T. 0.006 min
Lab File: VX025523.D
Acq: 04 Dec 2021 15:44

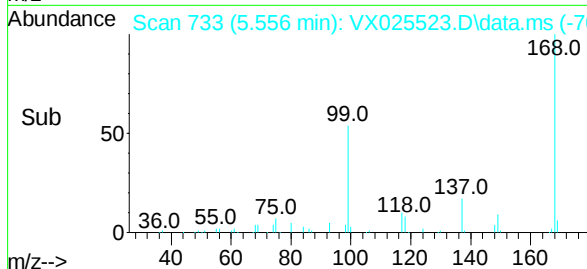
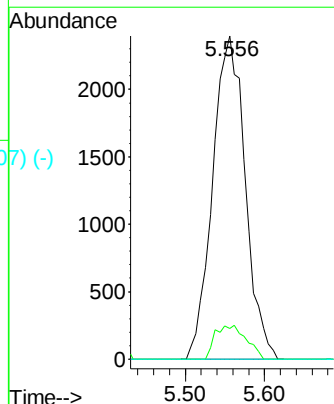
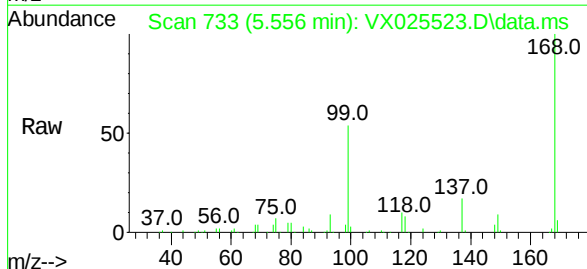
Instrument :
MSVOA_X
ClientSampleId :

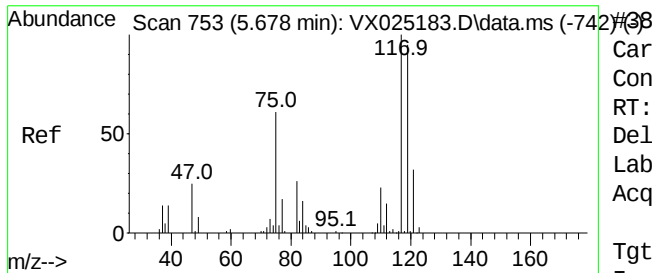
Tgt Ion:113 Resp: 50618
Ion Ratio Lower Upper
113 100
111 102.8 82.1 123.1
192 20.8 15.6 23.4



1,1-Dichloropropene
Concen: 4.81 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX025523.D
Acq: 04 Dec 2021 15:44

Tgt Ion: 75 Resp: 6848
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.3#
77 0.0 24.4 36.6#

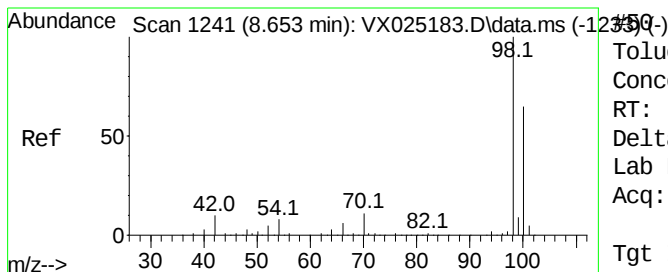
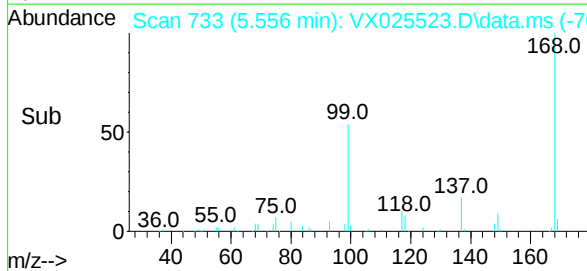
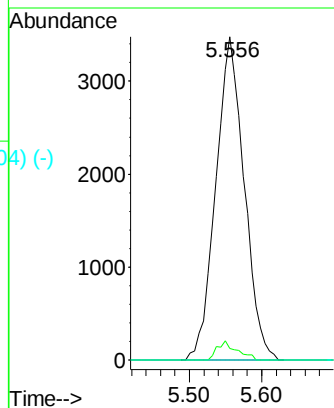
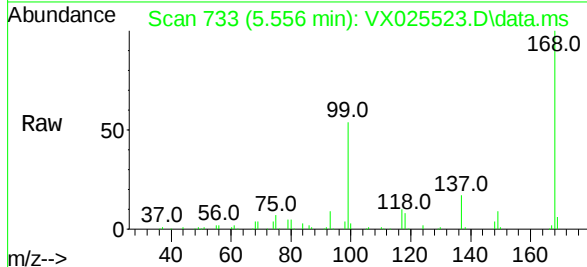




Carbon Tetrachloride
Concen: 6.03 ug/l
RT: 5.556 min Scan#
Delta R.T. -0.122 min
Lab File: VX025523.D
Acq: 04 Dec 2021 15:44

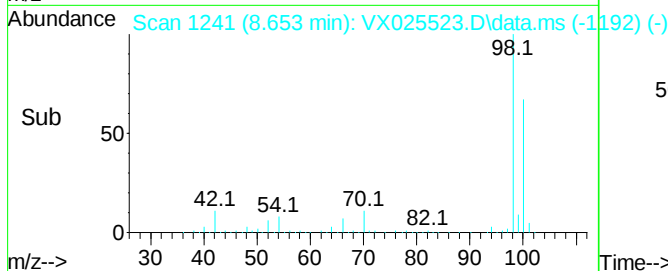
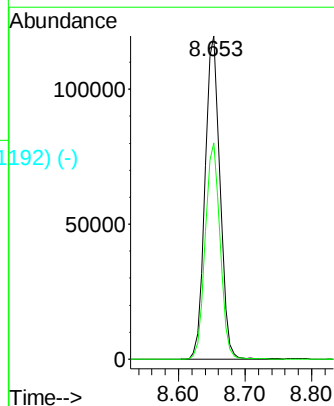
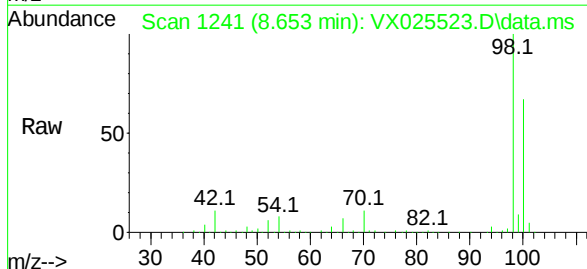
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:117 Resp: 9464
Ion Ratio Lower Upper
117 100
119 3.6 75.6 113.4#
121 0.0 23.7 35.5#

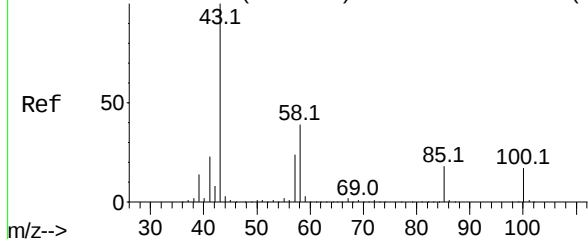


Toluene-d8
Concen: 49.61 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025523.D
Acq: 04 Dec 2021 15:44

Tgt Ion: 98 Resp: 186894
Ion Ratio Lower Upper
98 100
100 66.6 51.4 77.0



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



4-Methyl-2-Pentanone

Concen: 0.42 ug/l

RT: 8.653 min Scan#

Delta R.T. 0.079 min

Lab File: VX025523.D

Acq: 04 Dec 2021 15:44

Instrument :

MSVOA_X

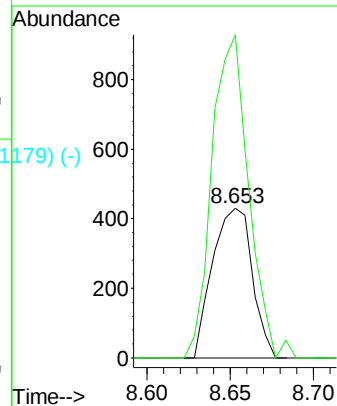
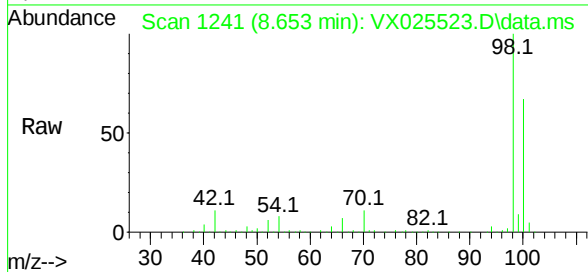
ClientSampleId :

Tgt Ion: 43 Resp: 716

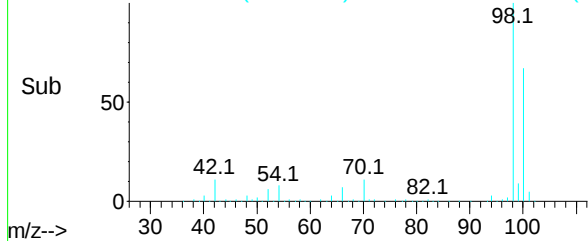
Ion Ratio Lower Upper

43 100

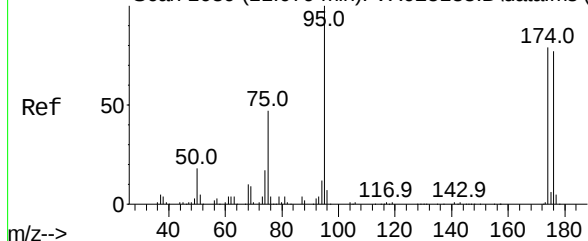
58 199.3 30.9 46.3#



Abundance Scan 1241 (8.653 min): VX025523.D\data.ms (-1179) (-)



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



4-Bromofluorobenzene

Concen: 43.10 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX025523.D

Acq: 04 Dec 2021 15:44

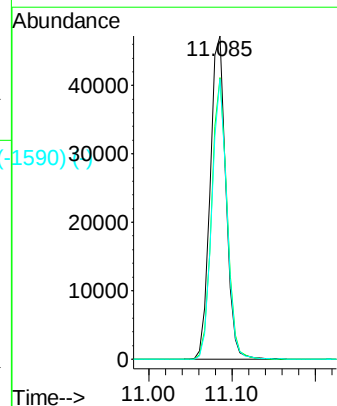
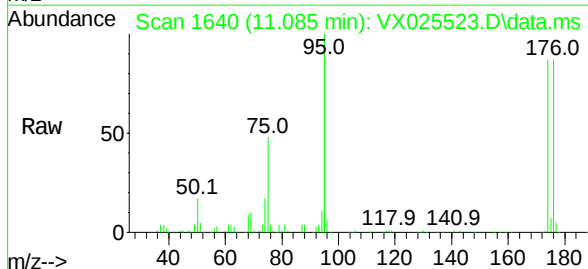
Tgt Ion: 95 Resp: 61431

Ion Ratio Lower Upper

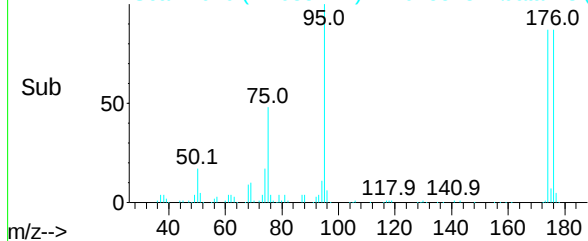
95 100

174 84.8 0.0 158.0

176 82.7 0.0 153.6



Abundance Scan 1640 (11.085 min): VX025523.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

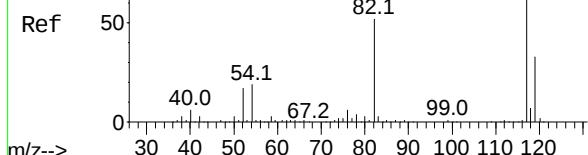
Lab File: VX025523.D

Acq: 04 Dec 2021 15:44

Instrument :

MSVOA_X

ClientSampleId :



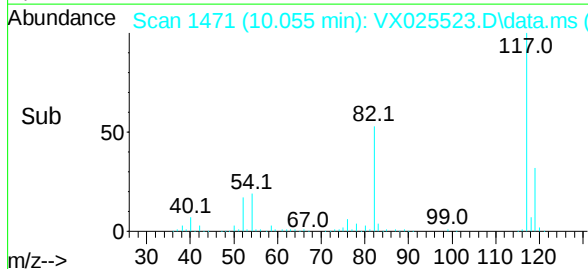
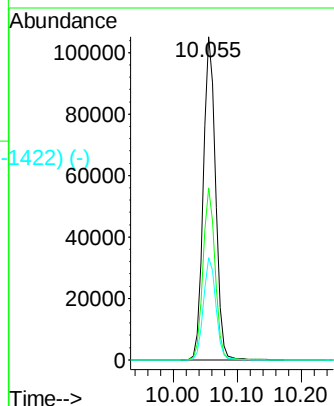
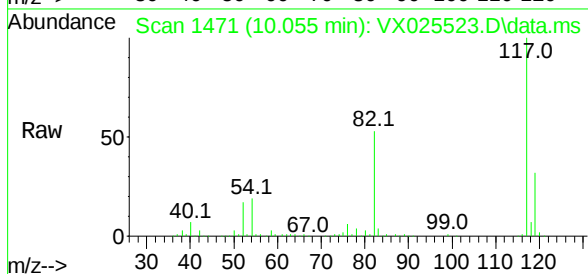
Tgt Ion:117 Resp: 142252

Ion Ratio Lower Upper

117 100

82 53.3 44.6 67.0

119 31.6 24.8 37.2



Abundance Scan 1794 (12.024 min): VX025183.D\data.ms (-1783) (-)

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX025523.D

Acq: 04 Dec 2021 15:44

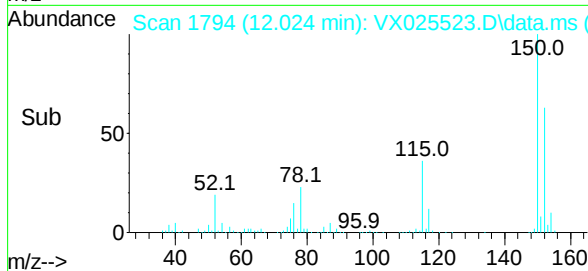
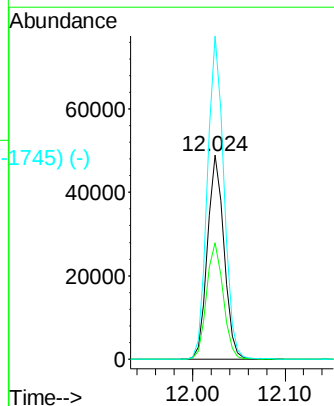
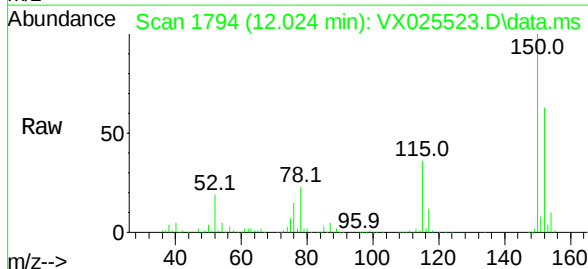
Tgt Ion:152 Resp: 60029

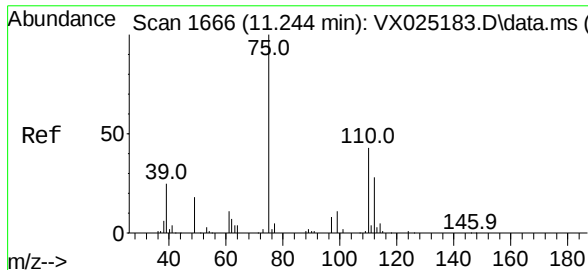
Ion Ratio Lower Upper

152 100

115 57.2 43.3 129.8

150 157.4 0.0 351.2

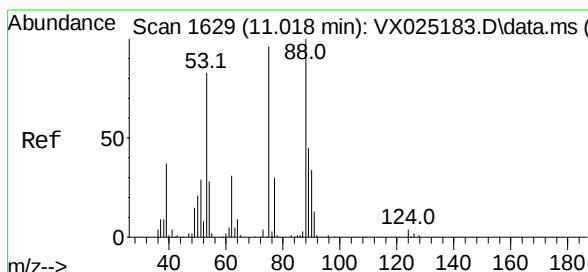
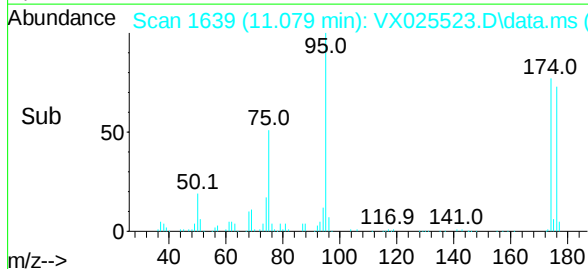
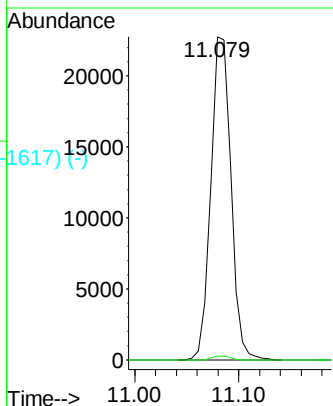
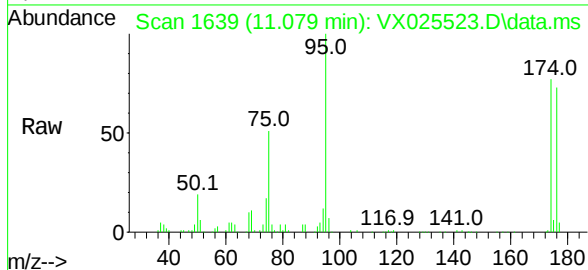




Scan 1666 (11.244 min): VX025183.D\data.ms (-1675)
 1,2,3-Trichloropropane
 Concen: 24.93 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX025523.D
 Acq: 04 Dec 2021 15:44

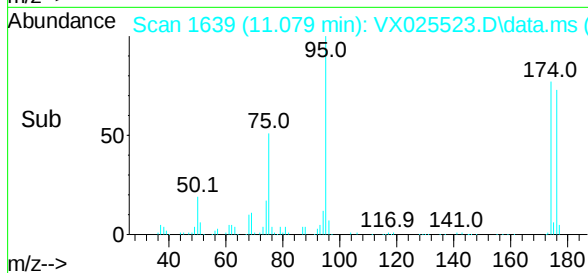
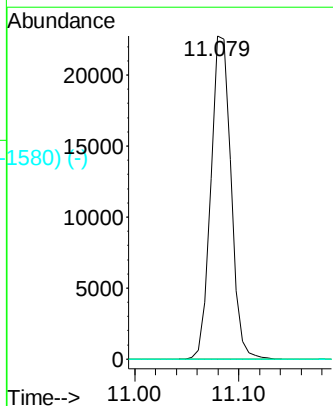
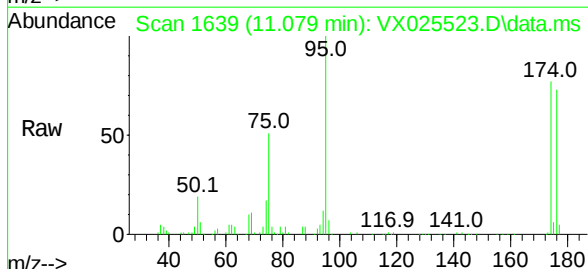
Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 30645
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 59.9#

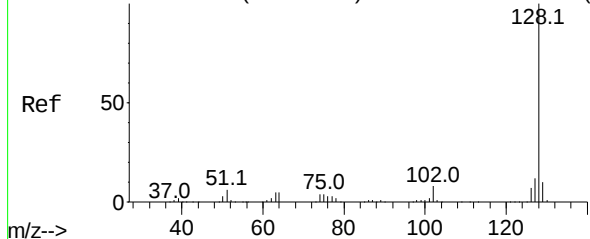


Scan 1629 (11.018 min): VX025183.D\data.ms (-1624)
 trans-1,4-Dichloro-2-butene
 Concen: 62.80 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX025523.D
 Acq: 04 Dec 2021 15:44

Tgt Ion: 75 Resp: 30645
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.9 122.9#
 89 0.0 38.2 57.2#



Abundance Scan 2082 (13.780 min): VX025183.D\data.ms (-2082) (-)



Naphthalene

Concen: Below Cal

RT: 13.786 min Scan# 1

Delta R.T. 0.006 min MSVOA_X

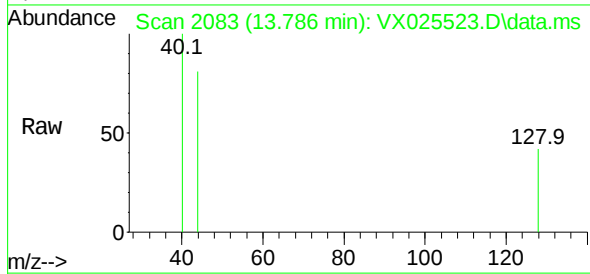
Lab File: VX025523.D

Acq: 04 Dec 2021 15:44

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 22

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.8 13.2#

