

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120421\
 Data File : VX025532.D
 Acq On : 04 Dec 2021 19:15
 Operator : JC/MD
 Sample : M4923-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW181S-20211201

Quant Time: Dec 06 01:08:04 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)

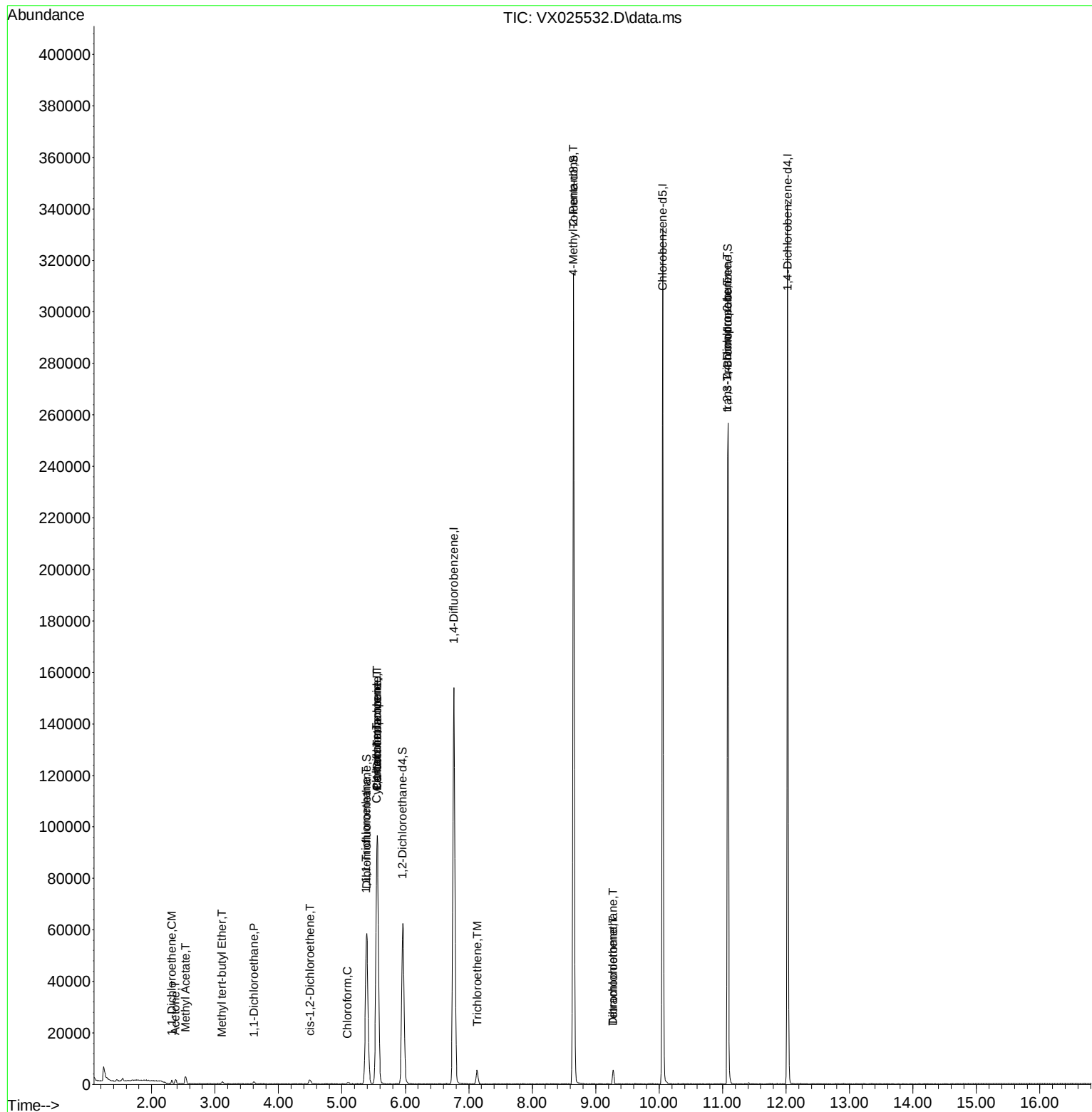
Internal Standards						
1) Pentafluorobenzene	5.556	168	97212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	164959	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	150033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70430	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58899	57.48	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.96%			
35) Dibromofluoromethane	5.391	113	50372	49.77	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.54%			
50) Toluene-d8	8.653	98	188783	49.61	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.22%			
62) 4-Bromofluorobenzene	11.085	95	68716	47.73	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.46%			
Target Compounds						
						Qvalue
12) 1,1-Dichloroethene	2.319	96	512	0.57	ug/l	85
16) Acetone	2.380	43	1841	3.23	ug/l #	88
18) Methyl Acetate	2.538	43	877	0.48	ug/l #	52
19) Methyl tert-butyl Ether	3.111	73	957	0.30	ug/l #	85
24) 1,1-Dichloroethane	3.611	63	1210	0.71	ug/l #	83
27) cis-1,2-Dichloroethene	4.495	96	1108	0.96	ug/l	84
30) Chloroform	5.087	83	897	0.51	ug/l	89
31) Cyclohexane	5.550	56	1812	1.14	ug/l #	7
32) 1,1,1-Trichloroethane	5.385	97	509	0.31	ug/l #	42
36) 1,1-Dichloropropene	5.556	75	7030	4.88	ug/l #	50
38) Carbon Tetrachloride	5.556	117	9753	6.15	ug/l #	16
44) Trichloroethene	7.135	130	2261	1.79	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	767	0.45	ug/l #	1
60) Dibromochloromethane	9.275	129	1042	0.80	ug/l #	11
64) Tetrachloroethene	9.275	164	1221	0.99	ug/l	85
76) 1,2,3-Trichloropropane	11.079	75	33923	23.52	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33923	59.25	ug/l #	9

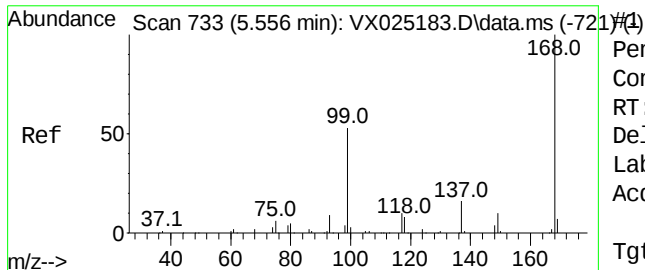
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.556 min Scan#

Delta R.T. -0.000 min

Lab File: VX025532.D

Acq: 04 Dec 2021 19:15

Instrument :

MSVOA_X

ClientSampleId :

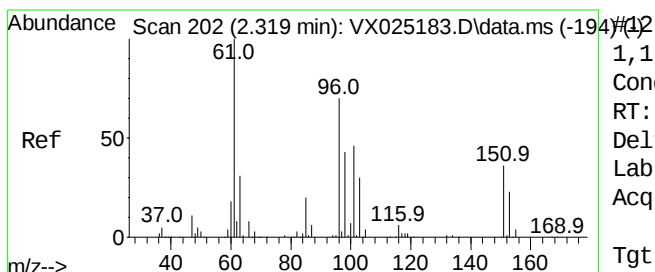
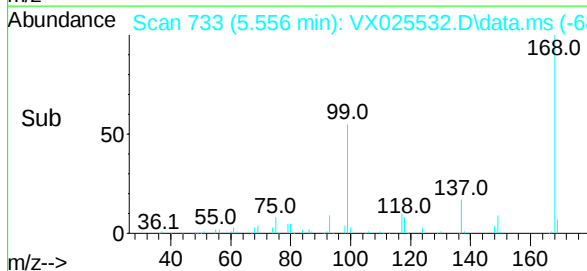
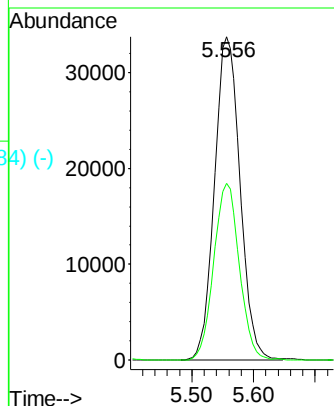
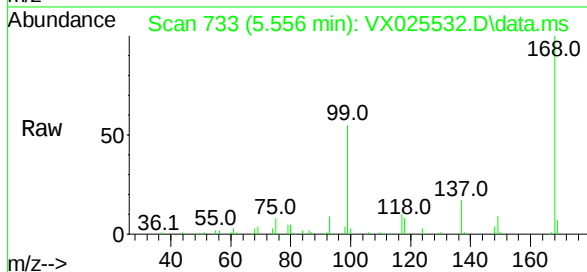
MW181S-20211201

Tgt Ion:168 Resp: 97212

Ion Ratio Lower Upper

168 100

99 54.6 46.4 69.6



1,1-Dichloroethene

Concen: 0.57 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX025532.D

Acq: 04 Dec 2021 19:15

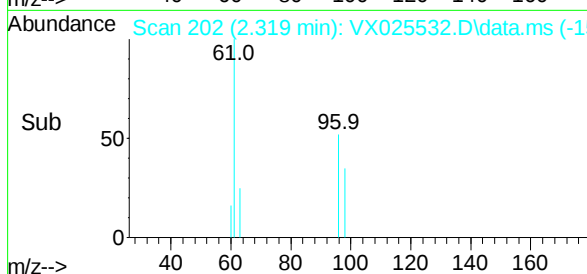
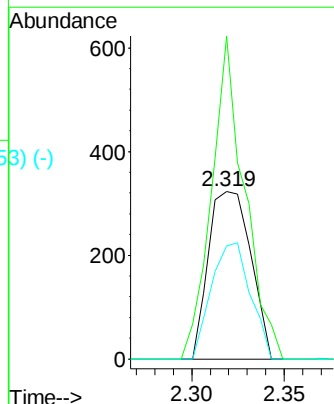
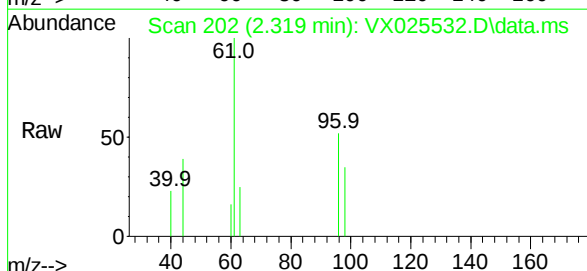
Tgt Ion: 96 Resp: 512

Ion Ratio Lower Upper

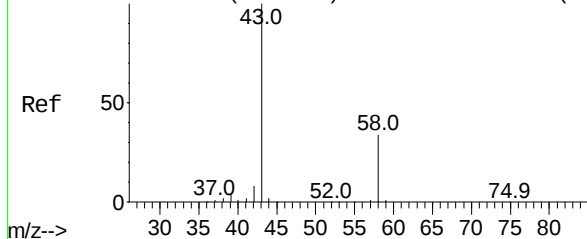
96 100

61 192.9 134.1 201.1

98 67.5 51.5 77.3



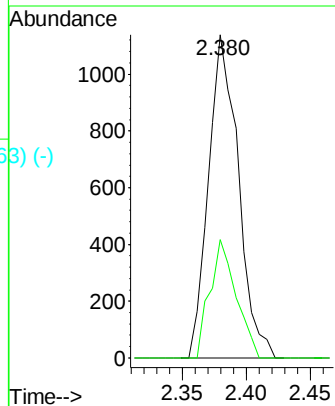
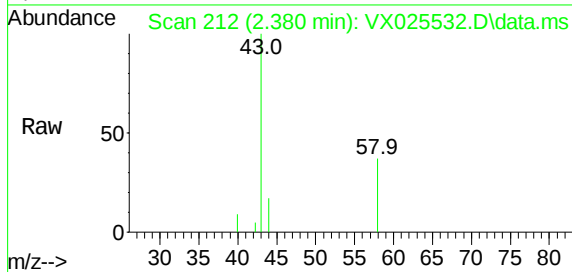
Abundance Scan 212 (2.380 min): VX025183.D\data.ms (-205) #16



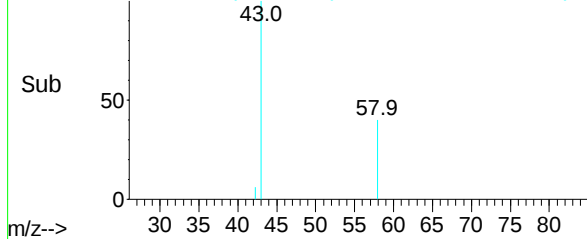
Acetone
Concen: 3.23 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025532.D
Acq: 04 Dec 2021 19:15

Instrument : MSVOA_X
ClientSampleId : MW181S-20211201

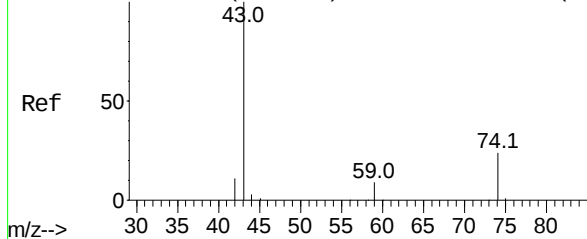
Tgt Ion: 43 Resp: 1841
Ion Ratio Lower Upper
43 100
58 36.7 24.0 36.0#



Abundance Scan 212 (2.380 min): VX025532.D\data.ms (-163) (-)

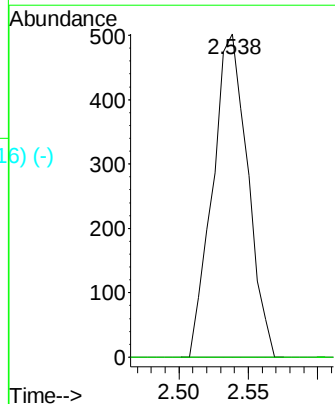
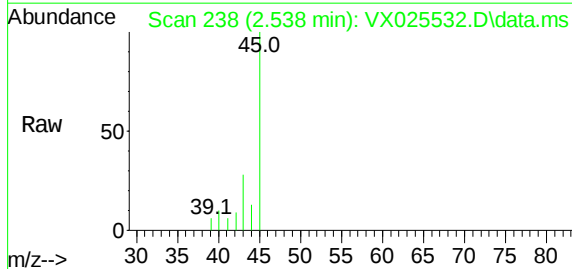


Abundance Scan 265 (2.703 min): VX025183.D\data.ms (-255) #18

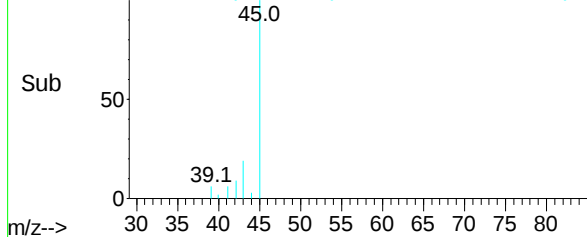


Methyl Acetate
Concen: 0.48 ug/l
RT: 2.538 min Scan# 238
Delta R.T. -0.165 min
Lab File: VX025532.D
Acq: 04 Dec 2021 19:15

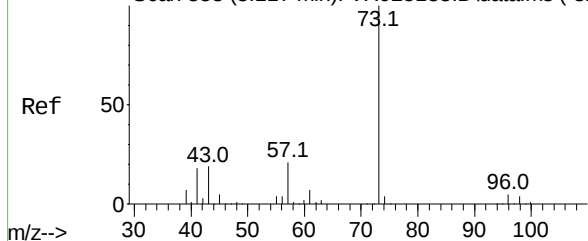
Tgt Ion: 43 Resp: 877
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



Abundance Scan 238 (2.538 min): VX025532.D\data.ms (-216) (-)



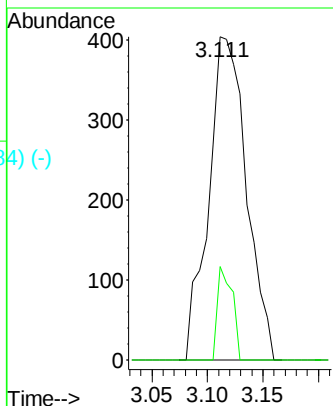
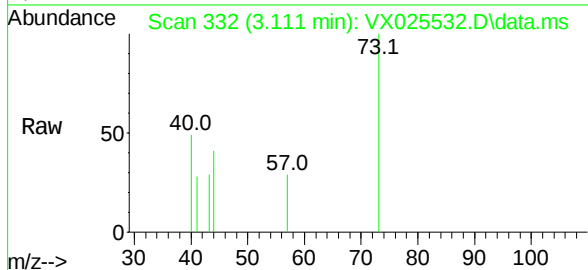
Abundance Scan 333 (3.117 min): VX025183.D\data.ms (-322) #19



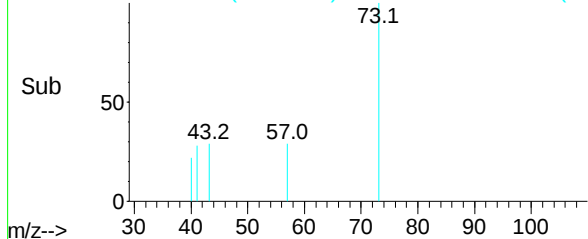
Methyl tert-butyl Ether
Concen: 0.30 ug/l
RT: 3.111 min Scan# 419
Delta R.T. -0.006 min
Lab File: VX025532.D
Acq: 04 Dec 2021 19:15

Instrument : MSVOA_X
ClientSampleId : MW181S-20211201

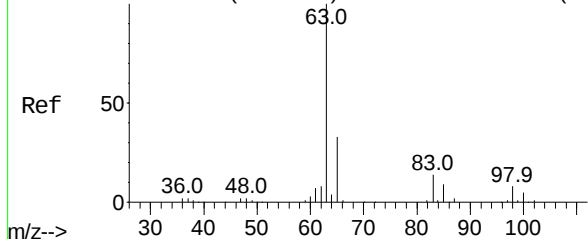
Tgt Ion: 73 Resp: 957
Ion Ratio Lower Upper
73 100
57 29.0 17.5 26.3#



Abundance Scan 332 (3.111 min): VX025532.D\data.ms (-284) (-)

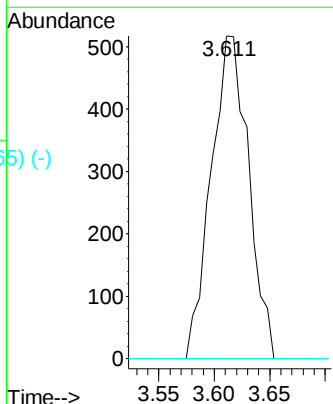
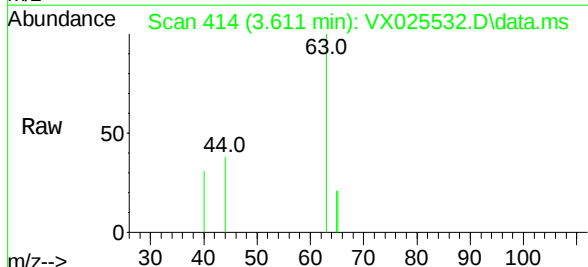


Abundance Scan 414 (3.611 min): VX025183.D\data.ms (-403) #24

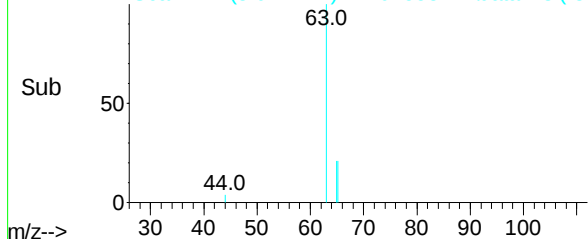


1,1-Dichloroethane
Concen: 0.71 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX025532.D
Acq: 04 Dec 2021 19:15

Tgt Ion: 63 Resp: 1210
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.9#
100 0.0 2.1 6.2#



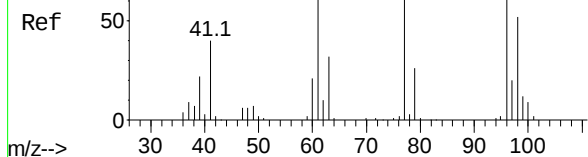
Abundance Scan 414 (3.611 min): VX025532.D\data.ms (-365) (-)



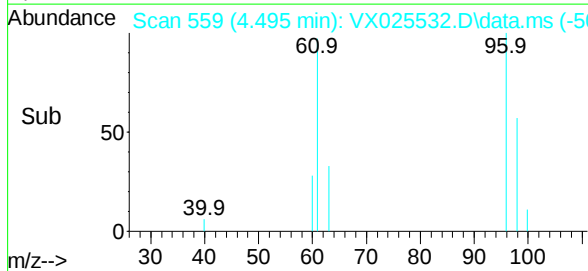
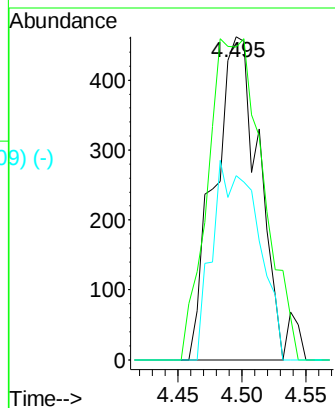
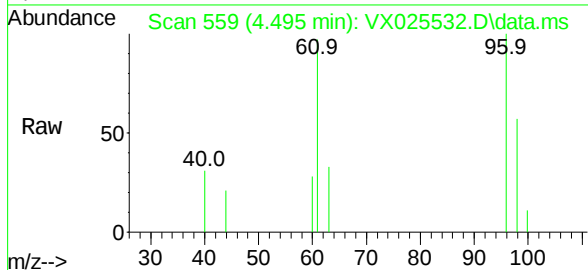
Abundance Scan 558 (4.489 min): VX025183.D\data.ms (-546) #27

cis-1,2-Dichloroethene
Concen: 0.96 ug/l
RT: 4.495 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX025532.D
Acq: 04 Dec 2021 19:15

Instrument :
MSVOA_X
ClientSampleId :
MW181S-20211201



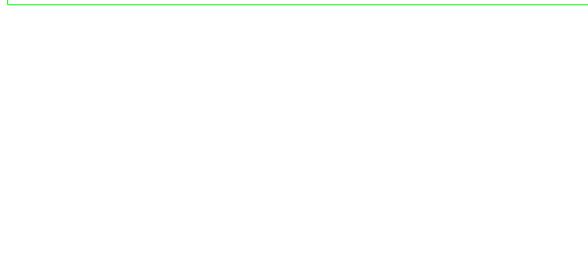
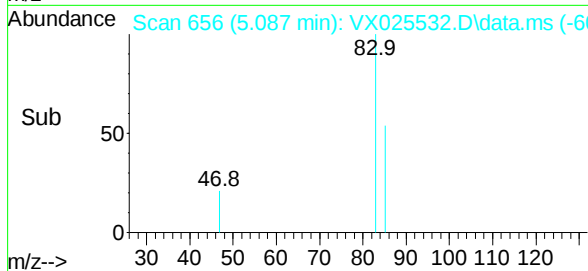
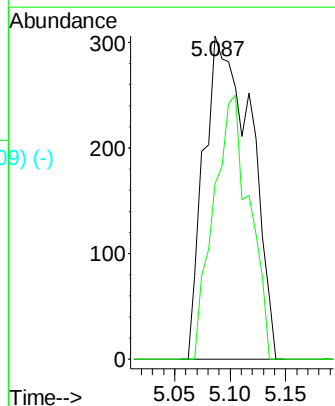
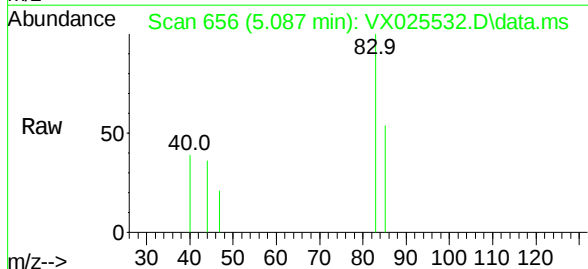
Tgt Ion:	96	Resp:	1108
Ion	Ratio	Lower	Upper
96	100		
61	123.8	0.0	302.2
98	63.9	0.0	131.4



Abundance Scan 658 (5.099 min): VX025183.D\data.ms (-645) #30

Chloroform
Concen: 0.51 ug/l
RT: 5.087 min Scan# 656
Delta R.T. -0.013 min
Lab File: VX025532.D
Acq: 04 Dec 2021 19:15

Tgt Ion:	83	Resp:	897
Ion	Ratio	Lower	Upper
83	100		
85	54.2	50.2	75.2



Abundance Scan 719 (5.471 min): VX025183.D\data.ms (-706) #31

Cyclohexane

Concen: 1.14 ug/l

RT: 5.550 min Scan#

Delta R.T. 0.079 min

Lab File: VX025532.D

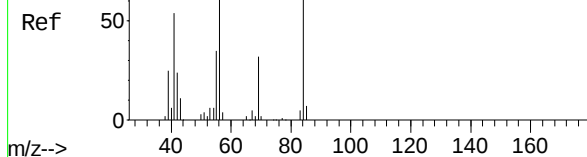
Acq: 04 Dec 2021 19:15

Instrument :

MSVOA_X

ClientSampleId :

MW181S-20211201



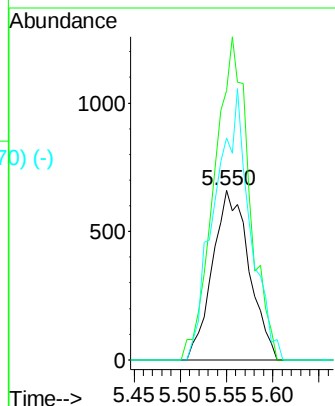
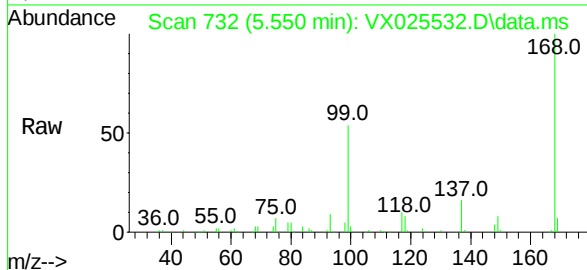
Tgt Ion: 56 Resp: 1812

Ion Ratio Lower Upper

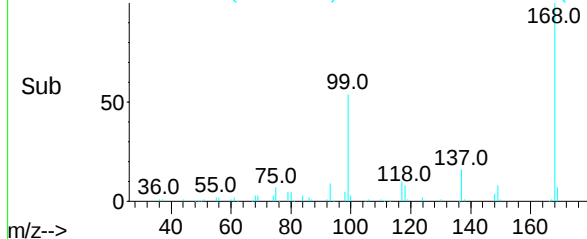
56 100

69 158.5 24.2 36.2#

84 130.7 71.5 107.3#



Abundance Scan 732 (5.550 min): VX025532.D\data.ms (-670) (-)



Abundance Scan 705 (5.385 min): VX025183.D\data.ms (-691) #32

1,1,1-Trichloroethane

Concen: 0.31 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX025532.D

Acq: 04 Dec 2021 19:15

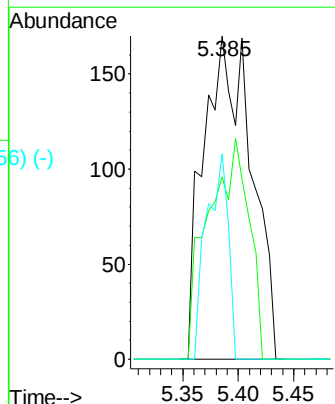
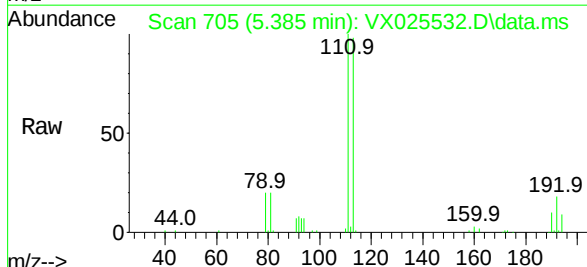
Tgt Ion: 97 Resp: 509

Ion Ratio Lower Upper

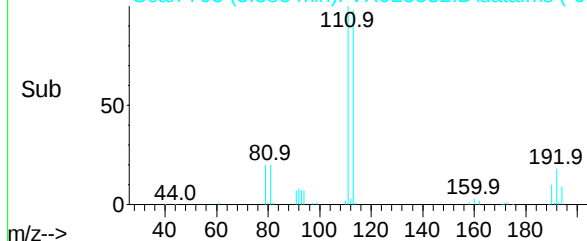
97 100

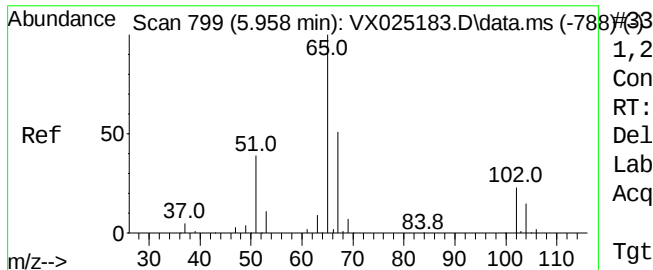
99 0.0 50.9 76.3#

61 28.9 35.0 52.4#



Abundance Scan 705 (5.385 min): VX025532.D\data.ms (-656) (-)

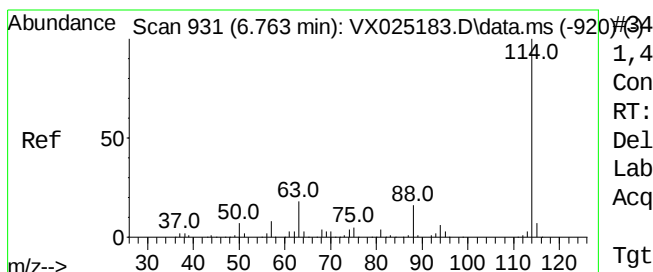
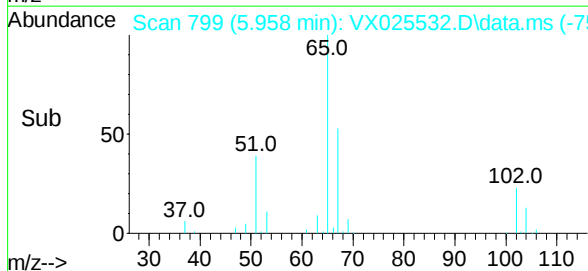
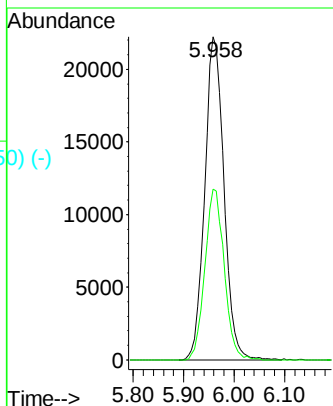
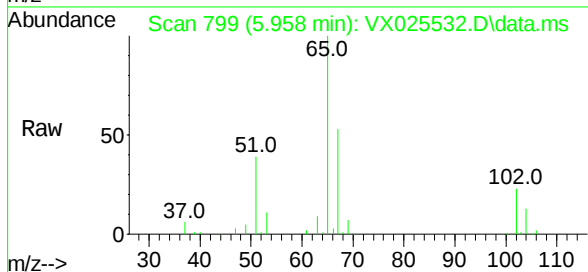




1,2-Dichloroethane-d4
 Concen: 57.48 ug/l
 RT: 5.958 min Scan#
 Delta R.T. 0.000 min
 Lab File: VX025532.D
 Acq: 04 Dec 2021 19:15

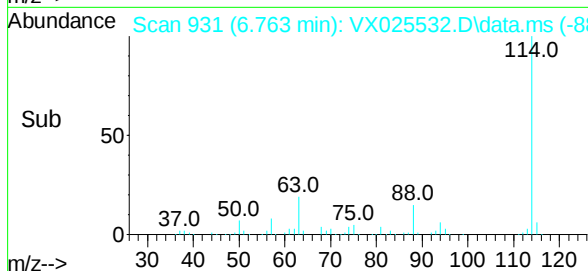
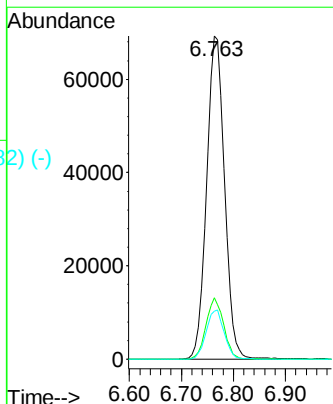
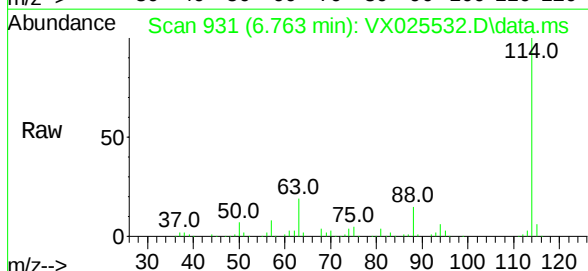
Instrument :
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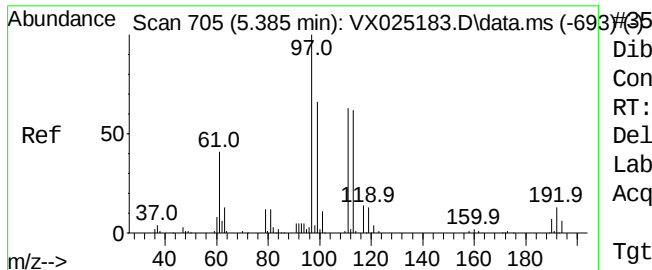
Tgt Ion: 65 Resp: 58899
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 101.0



1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX025532.D
 Acq: 04 Dec 2021 19:15

Tgt Ion: 114 Resp: 164959
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.0
 88 14.8 0.0 34.8

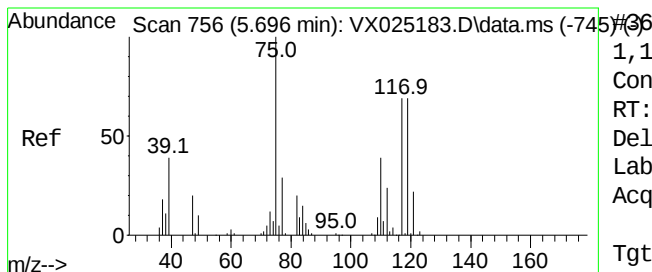
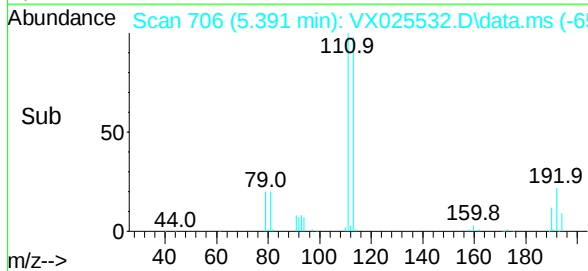
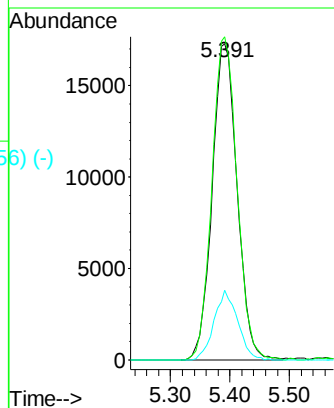
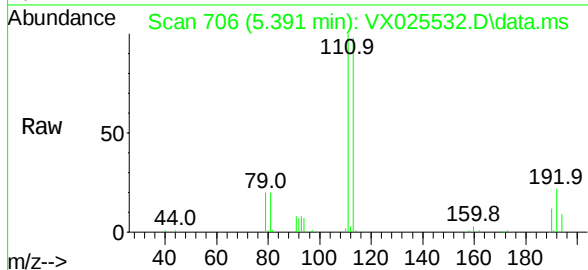




Dibromofluoromethane
Concen: 49.77 ug/l
RT: 5.391 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX025532.D
Acq: 04 Dec 2021 19:15

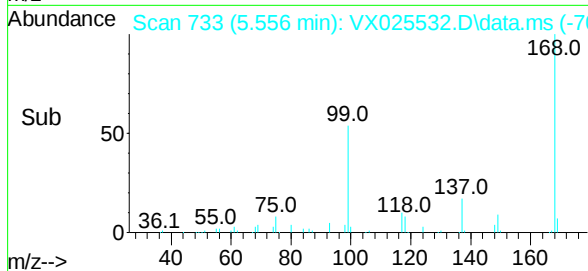
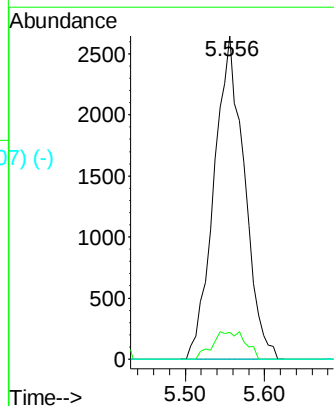
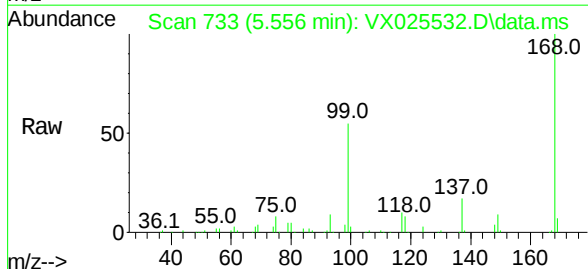
Instrument :
MSVOA_X
ClientSampleId :
MW181S-20211201

Tgt Ion:	113	Resp:	50372
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.1	123.1
192	20.8	15.6	23.4



1,1-Dichloropropene
Concen: 4.88 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX025532.D
Acq: 04 Dec 2021 19:15

Tgt Ion:	75	Resp:	7030
Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.1	54.3#
77	0.0	24.4	36.6#



Abundance Scan 753 (5.678 min): VX025183.D\data.ms (-742) #38

Carbon Tetrachloride

Concen: 6.15 ug/l

RT: 5.556 min Scan#

Delta R.T. -0.122 min

Lab File: VX025532.D

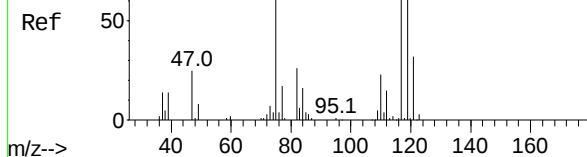
Acq: 04 Dec 2021 19:15

Instrument :

MSVOA_X

ClientSampleId :

MW181S-20211201



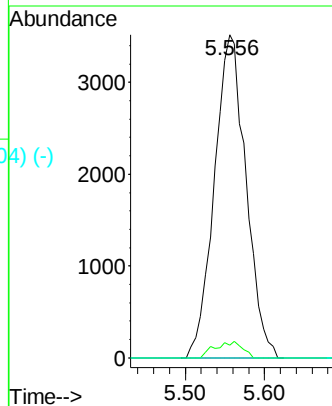
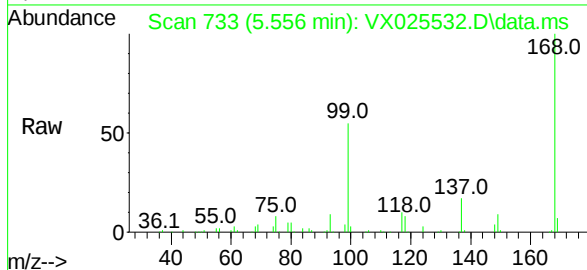
Tgt Ion:117 Resp: 9753

Ion Ratio Lower Upper

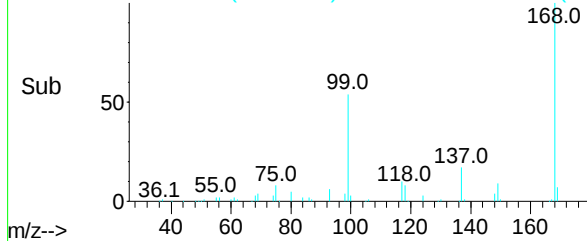
117 100

119 3.9 75.6 113.4#

121 0.0 23.7 35.5#



Abundance Scan 733 (5.556 min): VX025532.D\data.ms (-704) (-)



Abundance Scan 991 (7.129 min): VX025183.D\data.ms (-981) #44

Trichloroethene

Concen: 1.79 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX025532.D

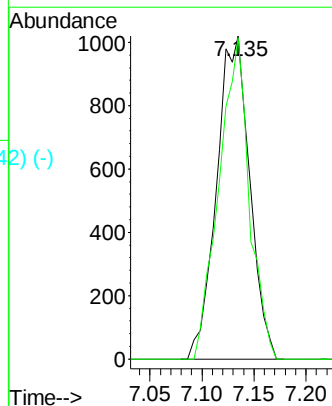
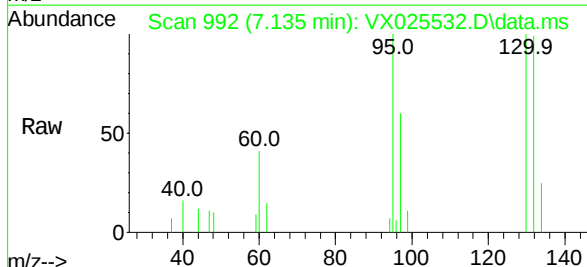
Acq: 04 Dec 2021 19:15

Tgt Ion:130 Resp: 2261

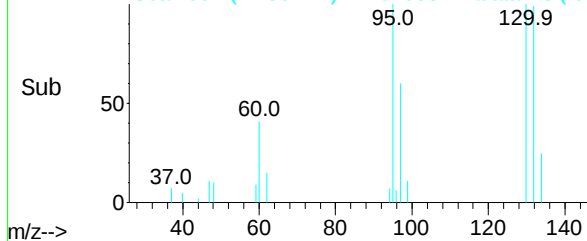
Ion Ratio Lower Upper

130 100

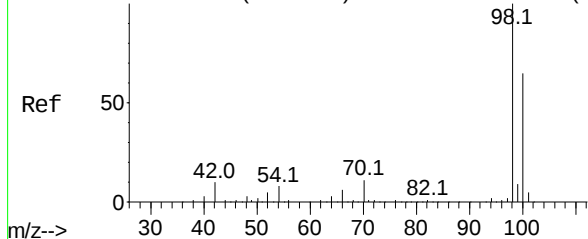
95 99.5 0.0 196.8



Abundance Scan 992 (7.135 min): VX025532.D\data.ms (-942) (-)



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



Toluene-d8

Concen: 49.61 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025532.D

Acq: 04 Dec 2021 19:15

Instrument :

MSVOA_X

ClientSampleId :

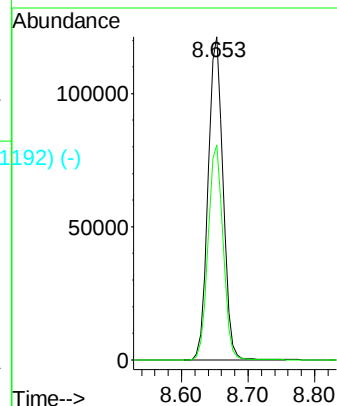
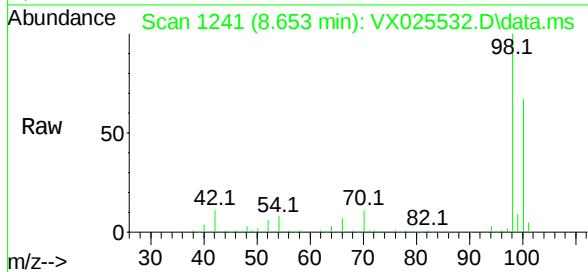
MW181S-20211201

Tgt Ion: 98 Resp: 188783

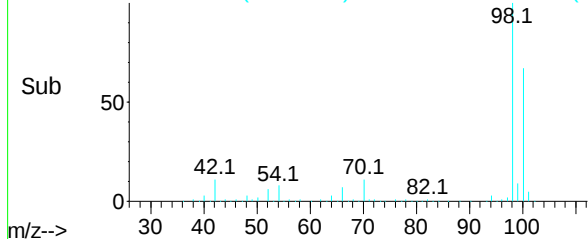
Ion Ratio Lower Upper

98 100

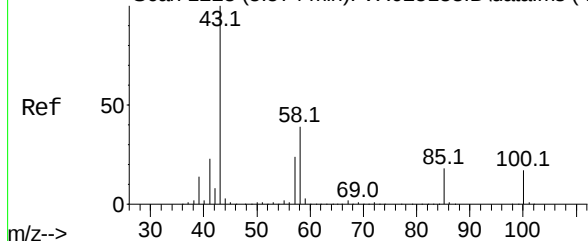
100 66.6 51.4 77.0



Abundance Scan 1241 (8.653 min): VX025532.D\data.ms (-1192-)



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



4-Methyl-2-Pentanone

Concen: 0.45 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX025532.D

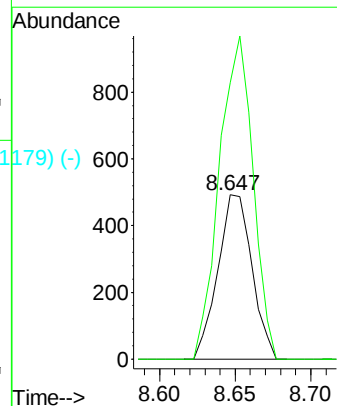
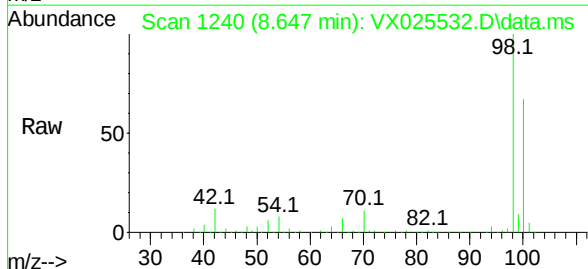
Acq: 04 Dec 2021 19:15

Tgt Ion: 43 Resp: 767

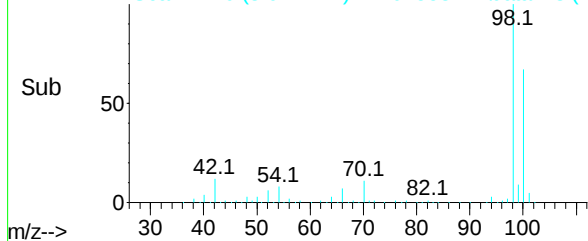
Ion Ratio Lower Upper

43 100

58 194.4 30.9 46.3#



Abundance Scan 1240 (8.647 min): VX025532.D\data.ms (-1179-)



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

Dibromochloromethane

Concen: 0.80 ug/l

RT: 9.275 min Scan# 1384

Delta R.T. -0.250 min

Lab File: VX025532.D

Acq: 04 Dec 2021 19:15

Instrument :

MSVOA_X

ClientSampleId :

MW181S-20211201

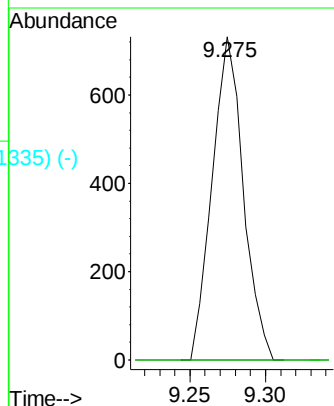
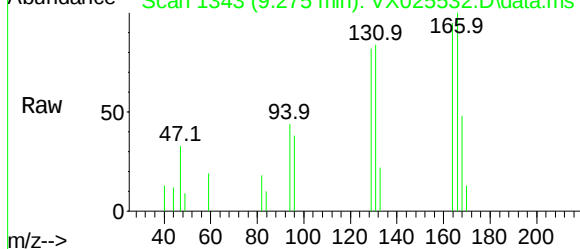
Tgt Ion:129 Resp: 1042

Ion Ratio Lower Upper

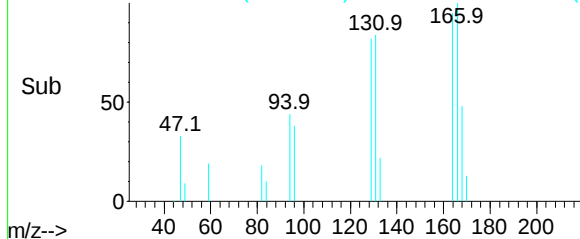
129 100

127 0.0 38.5 115.5#

Abundance Scan 1343 (9.275 min): VX025532.D\data.ms



Abundance Scan 1343 (9.275 min): VX025532.D\data.ms (-1335) (-)



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

4-Bromofluorobenzene

Concen: 47.73 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX025532.D

Acq: 04 Dec 2021 19:15

Tgt Ion: 95 Resp: 68716

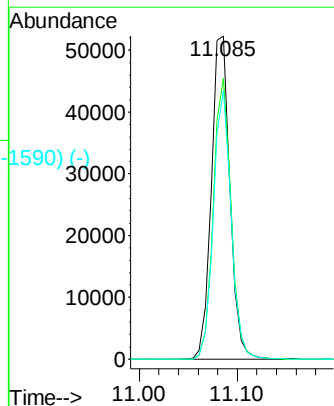
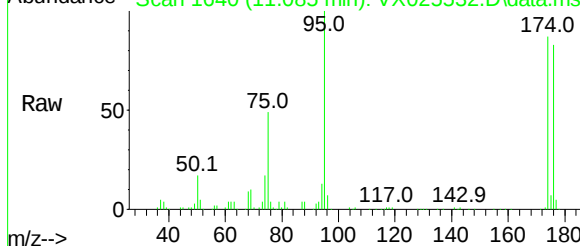
Ion Ratio Lower Upper

95 100

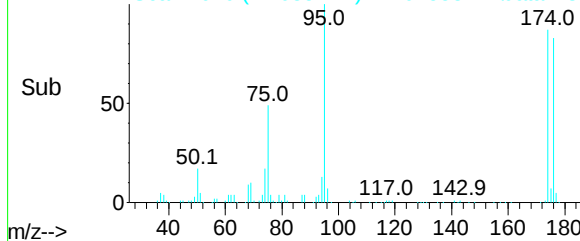
174 83.1 0.0 158.0

176 79.5 0.0 153.6

Abundance Scan 1640 (11.085 min): VX025532.D\data.ms



Abundance Scan 1640 (11.085 min): VX025532.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#

Delta R.T. 0.000 min

Lab File: VX025532.D

Acq: 04 Dec 2021 19:15

Instrument :

MSVOA_X

ClientSampleId :

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Tgt Ion:117 Resp: 150033

Ion Ratio Lower Upper

117 100

82 52.4 44.6 67.0

119 32.7 24.8 37.2

Abundance Scan 1471 (10.055 min): VX025532.D\data.ms

Raw

m/z-->

Abundance Scan 1471 (10.055 min): VX025532.D\data.ms (-1422) (-)

Sub

m/z-->

Abundance

10.055

100000

80000

60000

40000

20000

0

Time-->

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

Tetrachloroethene

Concen: 0.99 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX025532.D

Acq: 04 Dec 2021 19:15

Tgt Ion:164 Resp: 1221

Ion Ratio Lower Upper

164 100

166 105.7 103.2 154.8

129 86.7 81.0 121.4

131 88.6 76.6 115.0

Abundance Scan 1343 (9.275 min): VX025532.D\data.ms

Raw

m/z-->

Abundance Scan 1343 (9.275 min): VX025532.D\data.ms (-1294) (-)

Sub

m/z-->

Abundance

9.275

800

600

400

200

0

Time-->

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: VX025532.D

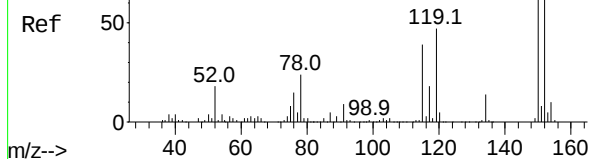
Acq: 04 Dec 2021 19:15

Instrument :

MSVOA_X

ClientSampleId :

MW181S-20211201



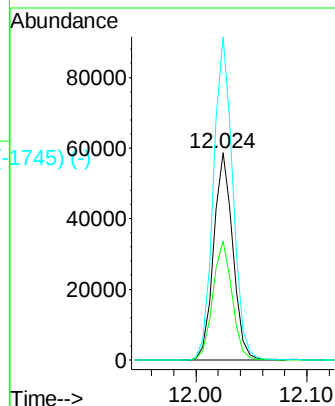
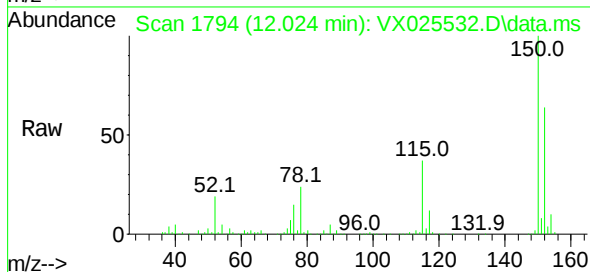
Tgt Ion:152 Resp: 70430

Ion Ratio Lower Upper

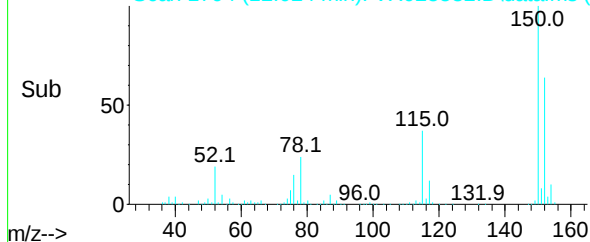
152 100

115 57.5 43.3 129.8

150 157.5 0.0 351.2



Abundance Scan 1794 (12.024 min): VX025532.D\data.ms (-1745) (-)



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

1,2,3-Trichloropropane

Concen: 23.52 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX025532.D

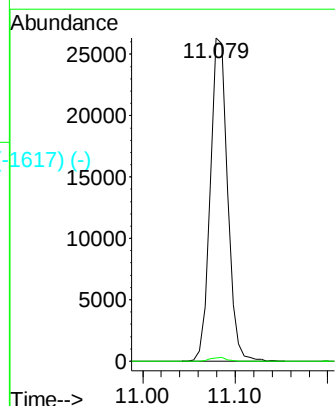
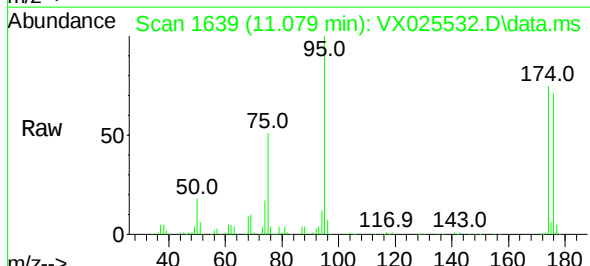
Acq: 04 Dec 2021 19:15

Tgt Ion: 75 Resp: 33923

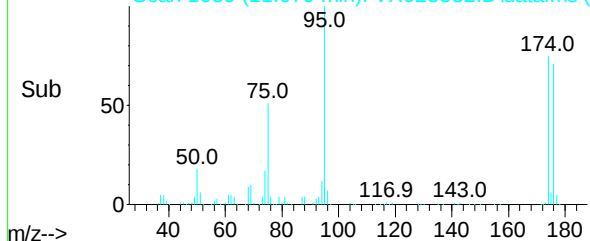
Ion Ratio Lower Upper

75 100

77 1.1 20.0 59.9#



Abundance Scan 1639 (11.079 min): VX025532.D\data.ms (-1617) (-)



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

trans-1,4-Dichloro-2-butene

Concen: 59.25 ug/l

RT: 11.079 min Scan# 1629

Delta R.T. 0.061 min

Lab File: VX025532.D

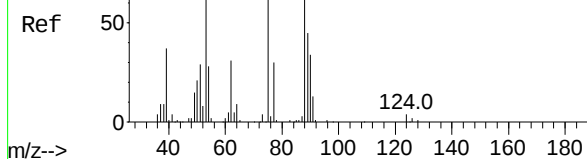
Acq: 04 Dec 2021 19:15

Instrument :

MSVOA_X

ClientSampleId :

MW181S-20211201



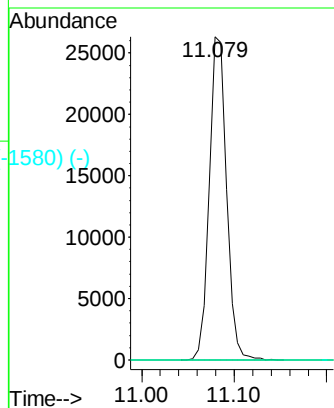
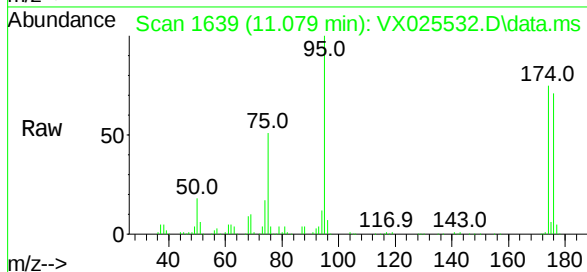
Tgt Ion: 75 Resp: 33923

Ion Ratio Lower Upper

75 100

53 0.0 81.9 122.9#

89 0.0 38.2 57.2#



Abundance Scan 1639 (11.079 min): VX025532.D\data.ms (-1580) (-)

