

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120421\
 Data File : VX025517.D
 Acq On : 04 Dec 2021 13:23
 Operator : JC/MD
 Sample : M4924-08DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D4-20211202DL

Quant Time: Dec 06 01:01:39 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)

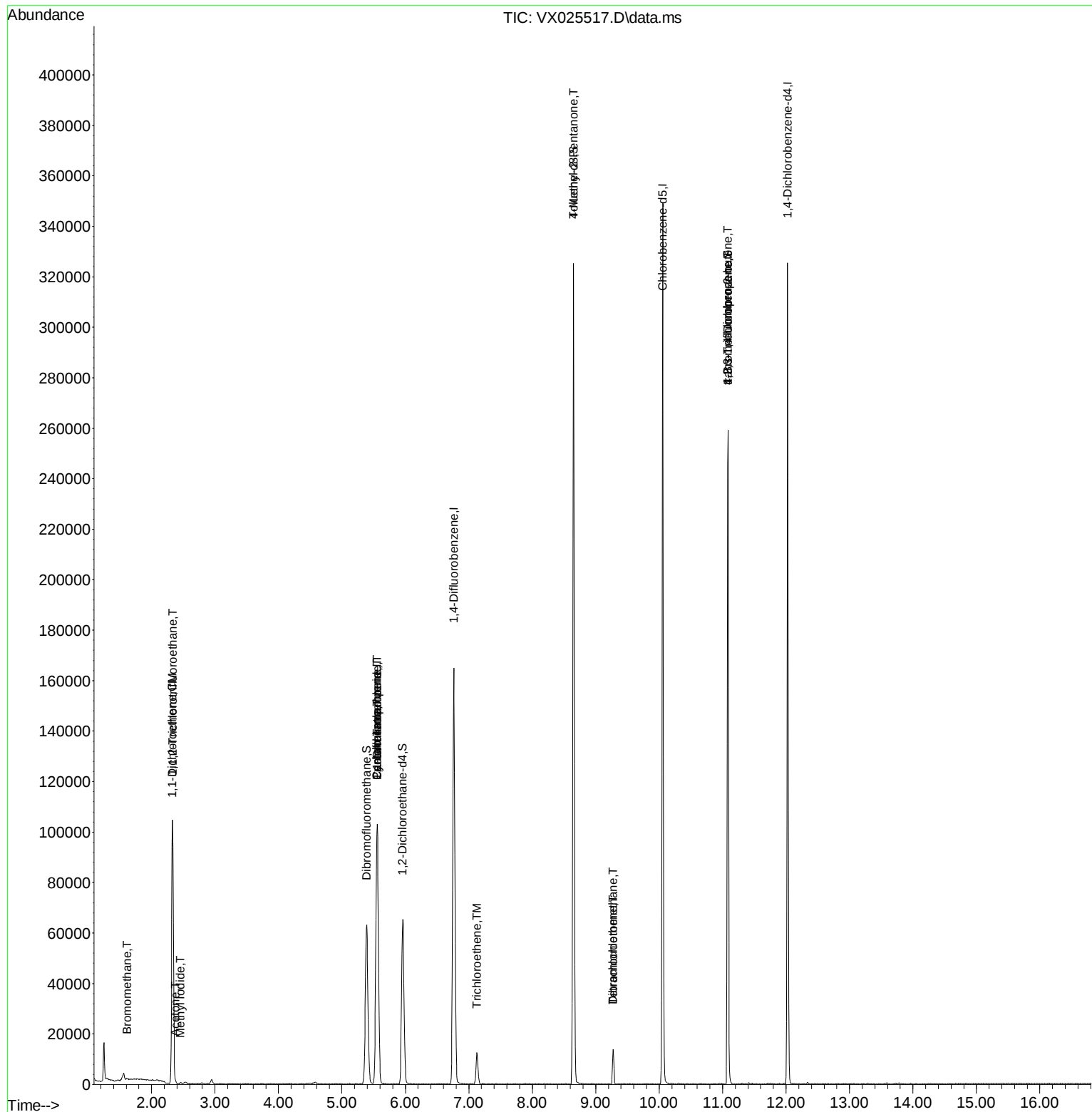
Internal Standards						
1) Pentafluorobenzene	5.556	168	105091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	175950	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67273	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	61419	55.45	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery	=	110.90%	
35) Dibromofluoromethane	5.391	113	54797	50.76	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	=	101.52%	
50) Toluene-d8	8.653	98	201490	49.64	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	11.085	95	69651	45.36	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	=	90.72%	
Target Compounds					Qvalue	
5) Bromomethane	1.611	94	271	0.51	ug/l #	64
9) 1,1,2-Trichlorotrifluo...	2.331	101	40685	41.60	ug/l	98
10) Methyl Iodide	2.459	142	583	0.48	ug/l #	81
11) Tert butyl alcohol	2.940	59	1155	Below Cal	#	72
12) 1,1-Dichloroethene	2.325	96	351	0.36	ug/l #	58
16) Acetone	2.380	43	535	0.87	ug/l	94
31) Cyclohexane	5.556	56	2043	1.19	ug/l #	30
36) 1,1-Dichloropropene	5.556	75	7165	4.67	ug/l #	49
38) Carbon Tetrachloride	5.556	117	10186	6.02	ug/l #	18
44) Trichloroethene	7.129	130	5312	3.93	ug/l	98
51) 4-Methyl-2-Pentanone	8.653	43	838	0.46	ug/l #	1
60) Dibromochloromethane	9.275	129	2348	1.69	ug/l #	11
64) Tetrachloroethene	9.275	164	2553	1.97	ug/l	96
76) 1,2,3-Trichloropropane	11.085	75	33807	24.54	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	33807	61.82	ug/l #	9
95) Naphthalene	13.780	128	458	Below Cal	#	69

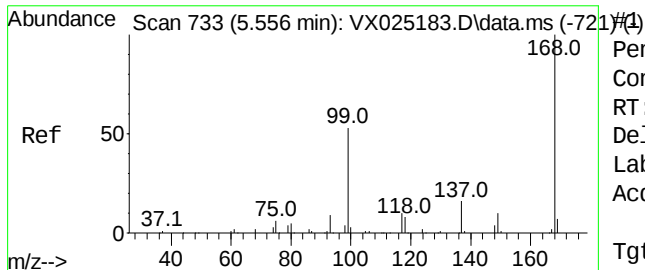
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX025517.D

Acq: 04 Dec 2021 13:23

Instrument :

MSVOA_X

ClientSampleId :

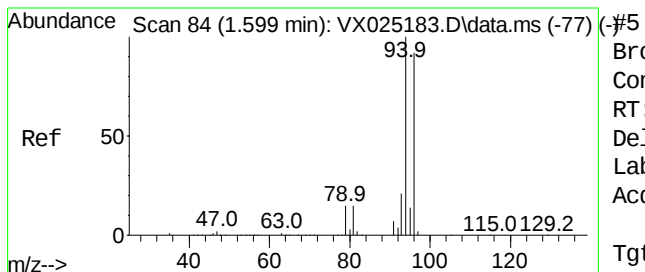
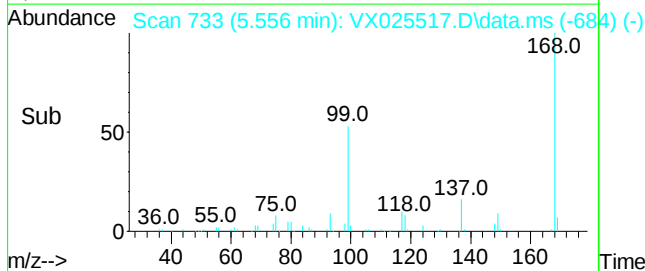
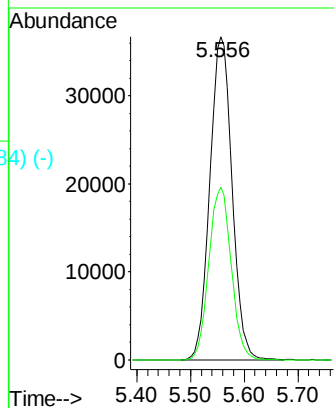
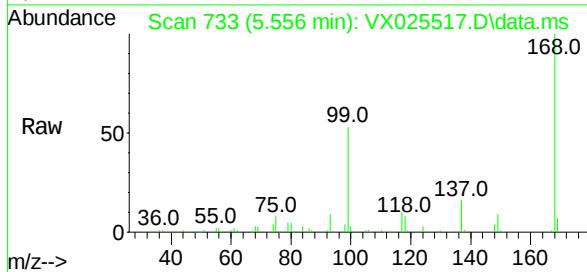
RE134D4-20211202DL

Tgt Ion:168 Resp: 105091

Ion Ratio Lower Upper

168 100

99 53.5 46.4 69.6



Bromomethane

Concen: 0.51 ug/l

RT: 1.611 min Scan# 86

Delta R.T. 0.012 min

Lab File: VX025517.D

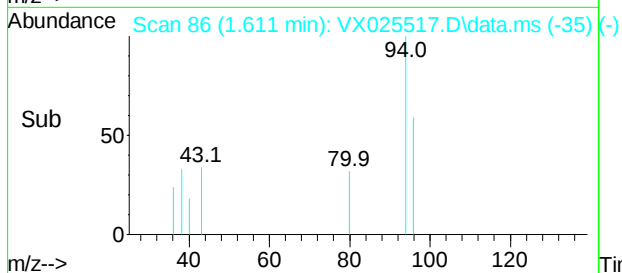
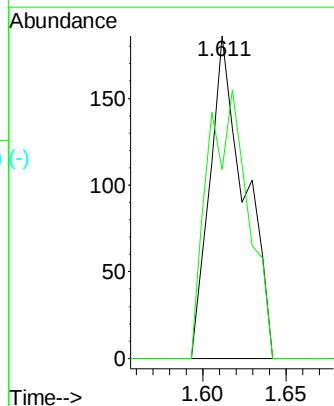
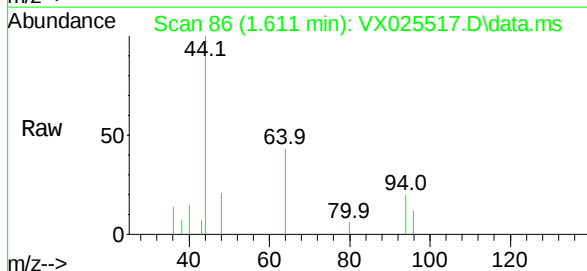
Acq: 04 Dec 2021 13:23

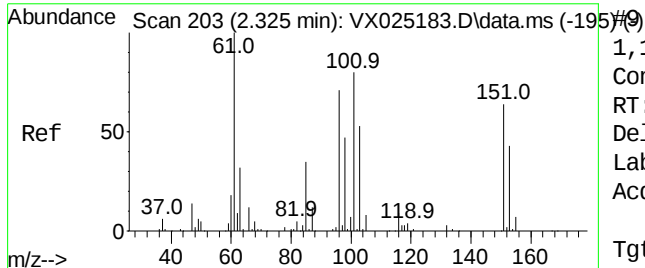
Tgt Ion: 94 Resp: 271

Ion Ratio Lower Upper

94 100

96 58.6 74.8 112.2#





1,1,2-Trichlorotrifluoroethane

Concen: 41.60 ug/l

RT: 2.331 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX025517.D

Acq: 04 Dec 2021 13:23

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20211202DL

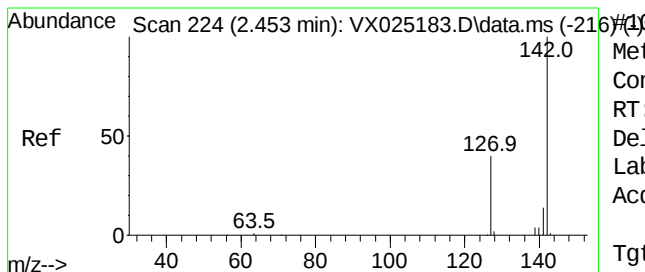
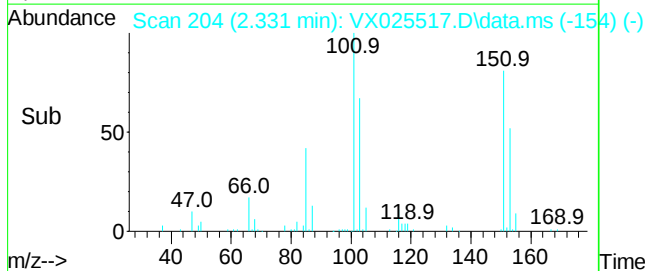
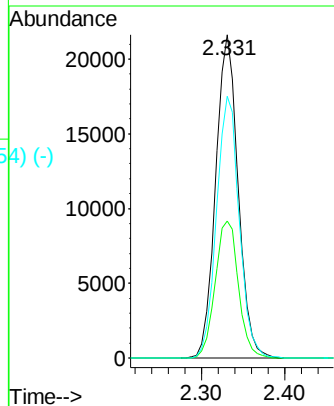
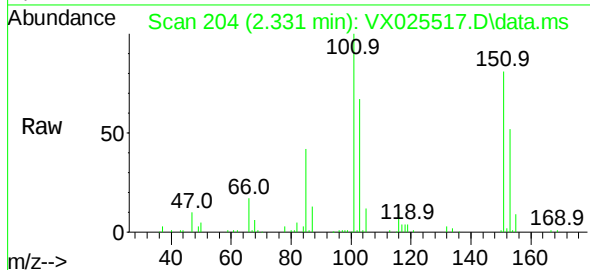
Tgt Ion:101 Resp: 40685

Ion Ratio Lower Upper

101 100

85 43.9 35.9 53.9

151 82.3 64.4 96.6



Methyl Iodide

Concen: 0.48 ug/l

RT: 2.459 min Scan# 225

Delta R.T. 0.006 min

Lab File: VX025517.D

Acq: 04 Dec 2021 13:23

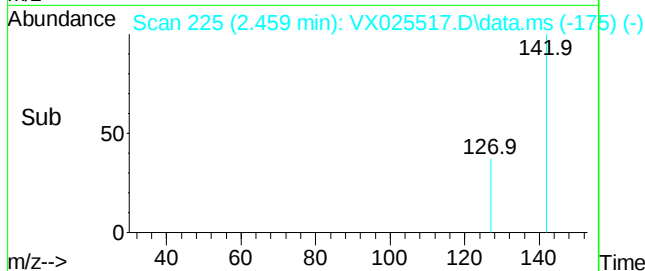
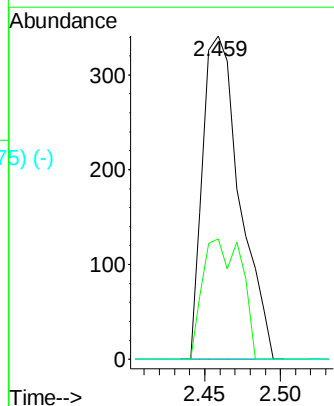
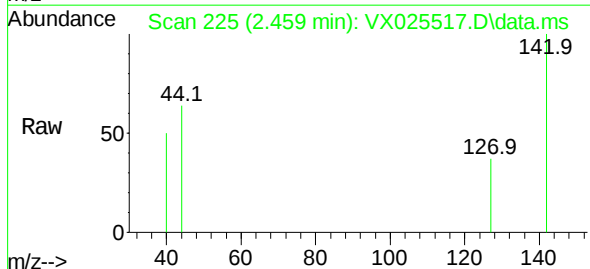
Tgt Ion:142 Resp: 583

Ion Ratio Lower Upper

142 100

127 38.8 38.9 58.3#

141 0.0 11.7 17.5#



Abundance Scan 308 (2.965 min): VX025183.D\data.ms (-297) #1

Tert butyl alcohol

Concen: Below Cal

RT: 2.940 min Scan# 41

Delta R.T. -0.025 min

Lab File: VX025517.D

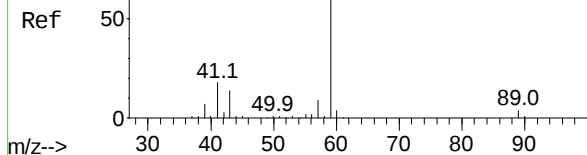
Acq: 04 Dec 2021 13:23

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20211202DL

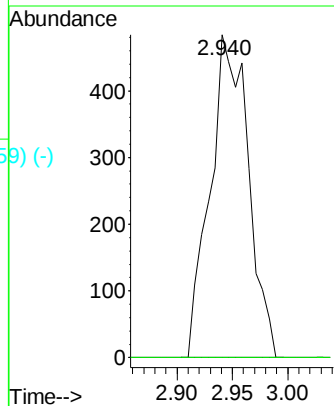
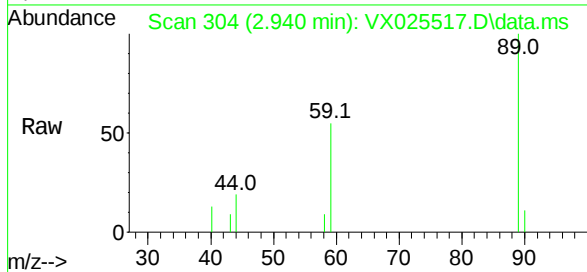


Tgt Ion: 59 Resp: 1155

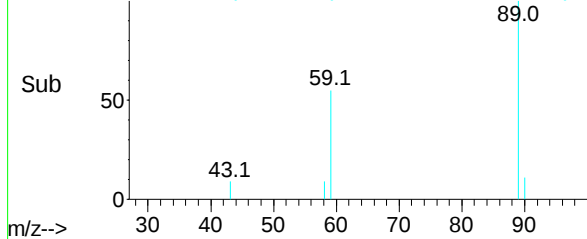
Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Scan 304 (2.940 min): VX025517.D\data.ms (-259) (-)



Abundance Scan 202 (2.319 min): VX025183.D\data.ms (-194) #12

1,1-Dichloroethene

Concen: 0.36 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX025517.D

Acq: 04 Dec 2021 13:23

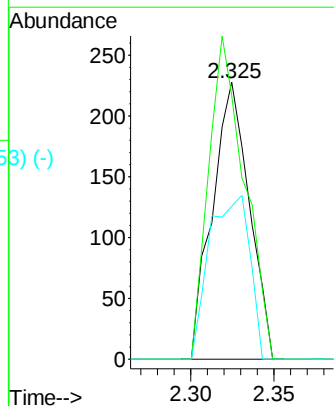
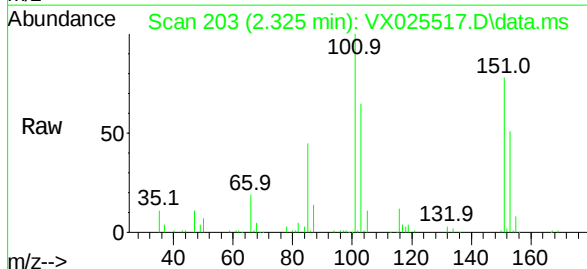
Tgt Ion: 96 Resp: 351

Ion Ratio Lower Upper

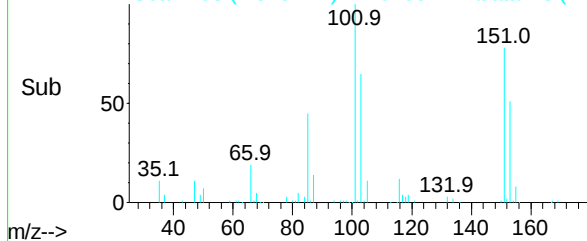
96 100

61 95.2 134.1 201.1#

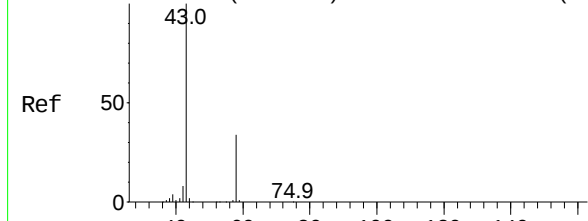
98 55.3 51.5 77.3



Abundance Scan 203 (2.325 min): VX025517.D\data.ms (-153) (-)



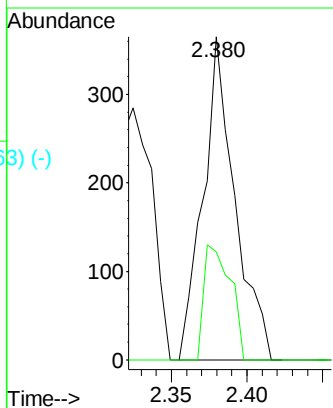
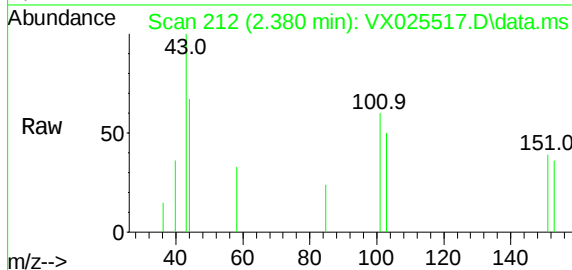
Abundance Scan 212 (2.380 min): VX025183.D\data.ms (-205) #16



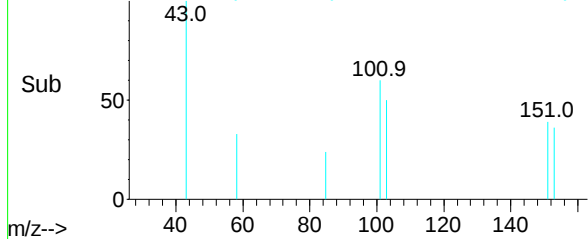
Acetone
Concen: 0.87 ug/l
RT: 2.380 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX025517.D
Acq: 04 Dec 2021 13:23

Instrument : MSVOA_X
ClientSampleId : RE134D4-20211202DL

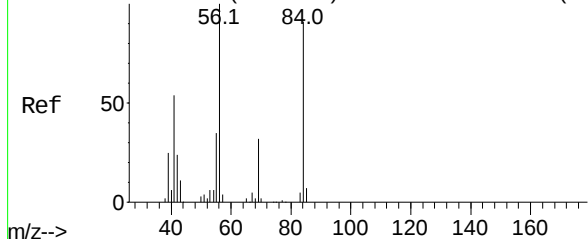
Tgt Ion: 43 Resp: 535
Ion Ratio Lower Upper
43 100
58 33.4 24.0 36.0



Abundance Scan 212 (2.380 min): VX025517.D\data.ms (-163) (-)

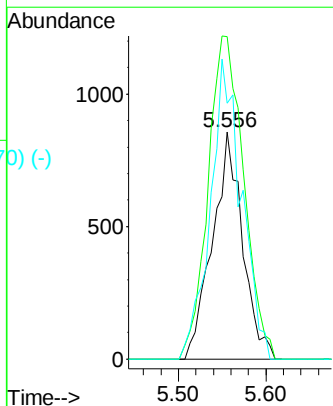
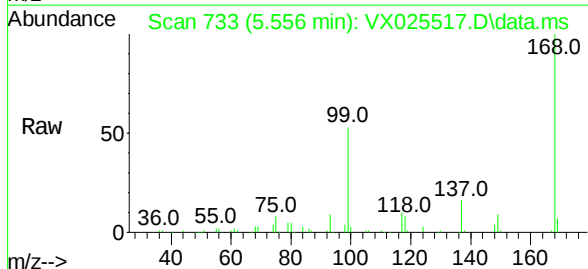


Abundance Scan 719 (5.471 min): VX025183.D\data.ms (-706) #31

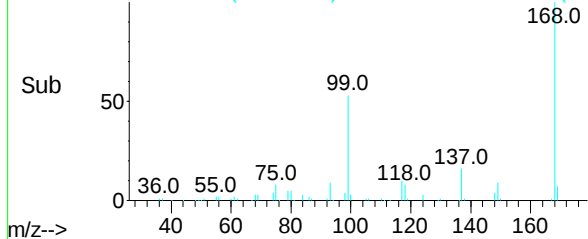


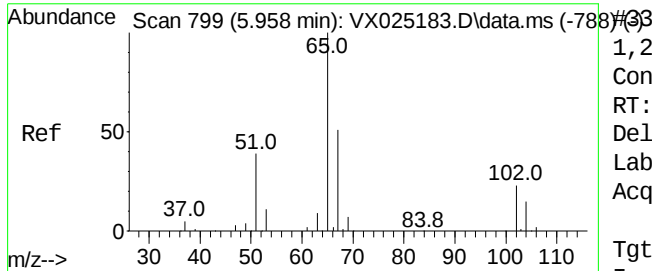
Cyclohexane
Concen: 1.19 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX025517.D
Acq: 04 Dec 2021 13:23

Tgt Ion: 56 Resp: 2043
Ion Ratio Lower Upper
56 100
69 142.0 24.2 36.2#
84 112.6 71.5 107.3#



Abundance Scan 733 (5.556 min): VX025517.D\data.ms (-670) (-)

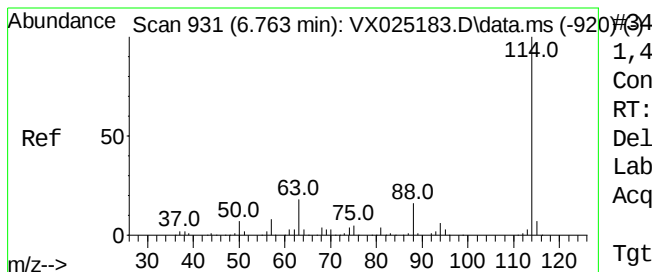
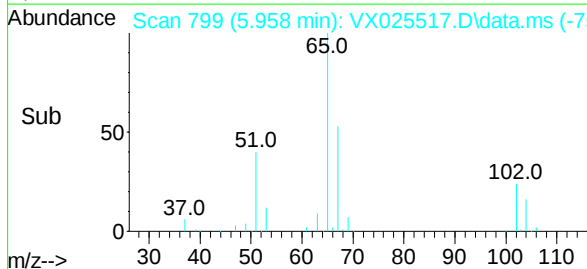
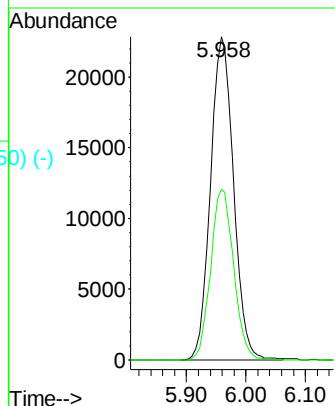
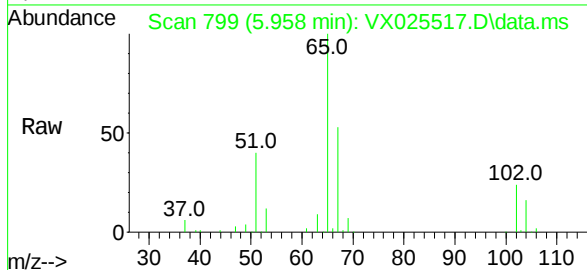




1,2-Dichloroethane-d4
 Concen: 55.45 ug/l
 RT: 5.958 min Scan#
 Delta R.T. 0.000 min
 Lab File: VX025517.D
 Acq: 04 Dec 2021 13:23

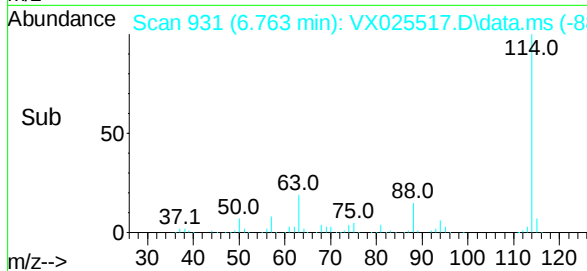
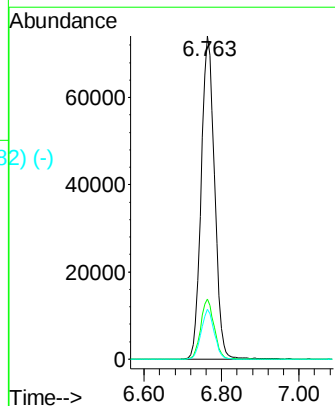
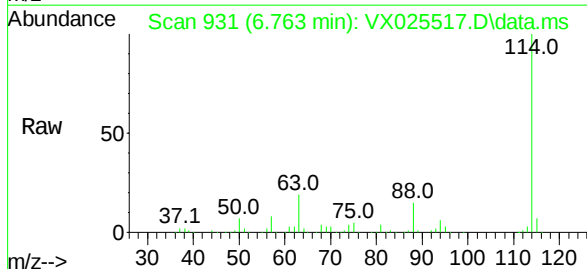
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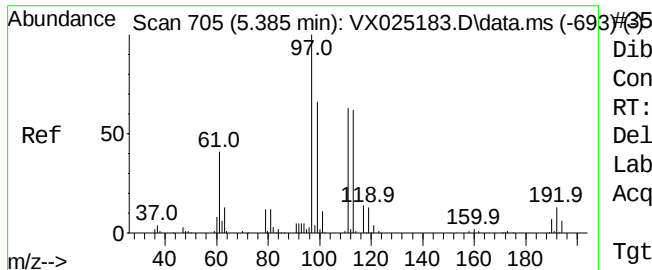
Tgt Ion: 65 Resp: 61419
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 101.0



1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX025517.D
 Acq: 04 Dec 2021 13:23

Tgt Ion:114 Resp: 175950
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 41.0
 88 15.4 0.0 34.8

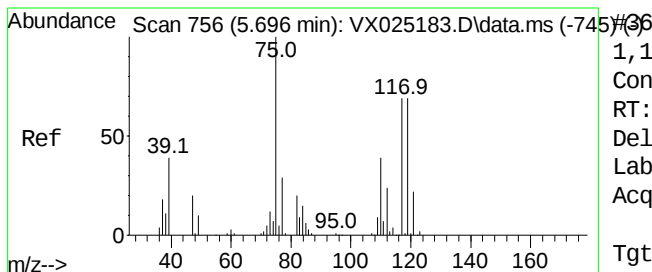
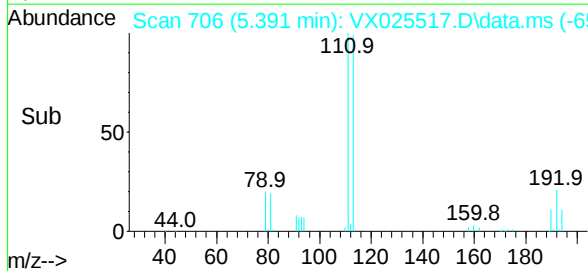
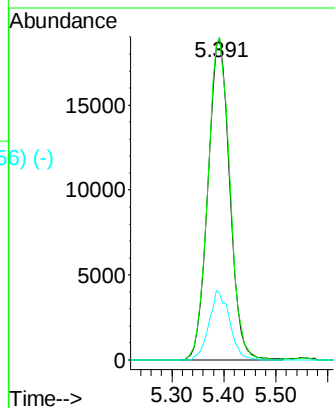
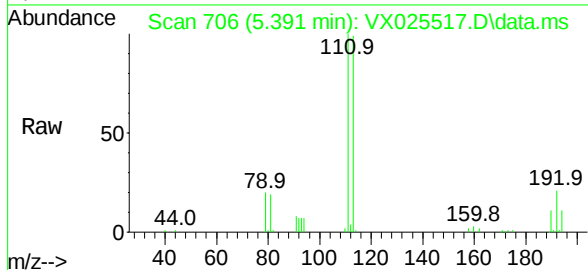




Dibromofluoromethane
 Concen: 50.76 ug/l
 RT: 5.391 min Scan# 735
 Delta R.T. 0.006 min
 Lab File: VX025517.D
 Acq: 04 Dec 2021 13:23

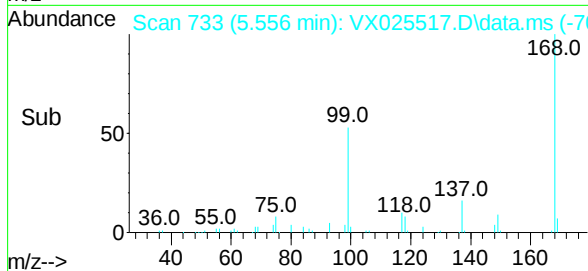
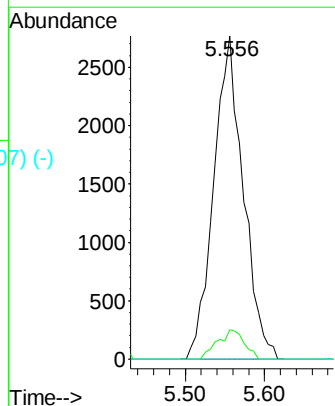
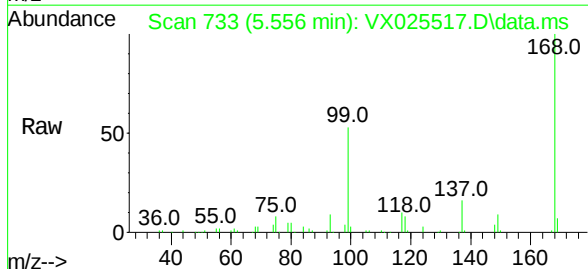
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Tgt Ion:	113	Resp:	54797
Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.1	123.1
192	20.5	15.6	23.4



1,1-Dichloropropene
 Concen: 4.67 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. -0.140 min
 Lab File: VX025517.D
 Acq: 04 Dec 2021 13:23

Tgt Ion:	75	Resp:	7165
Ion	Ratio	Lower	Upper
75	100		
110	8.2	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: 6.02 ug/l

RT: 5.556 min Scan#

Delta R.T. -0.122 min

Lab File: VX025517.D

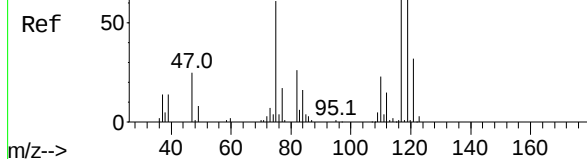
Acq: 04 Dec 2021 13:23

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20211202DL



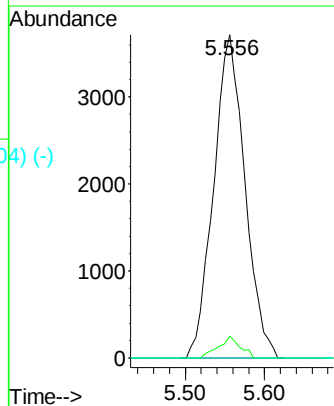
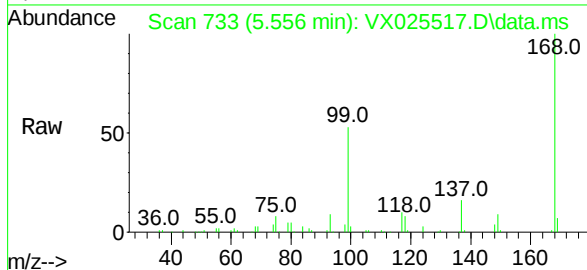
Tgt Ion:117 Resp: 10186

Ion Ratio Lower Upper

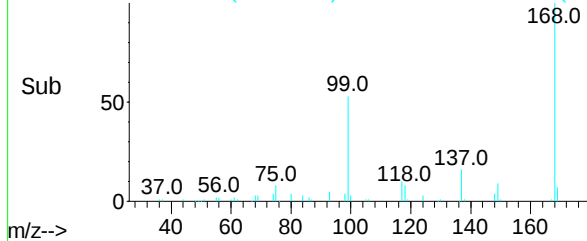
117 100

119 6.7 75.6 113.4#

121 0.0 23.7 35.5#



Abundance Scan 733 (5.556 min): VX025517.D\data.ms (-704) (-)



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

Trichloroethene

Concen: 3.93 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX025517.D

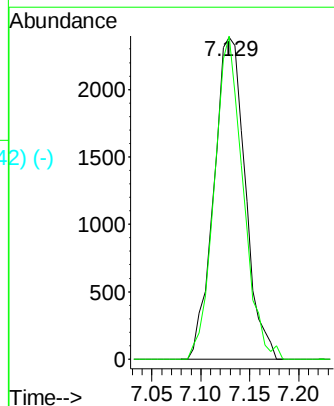
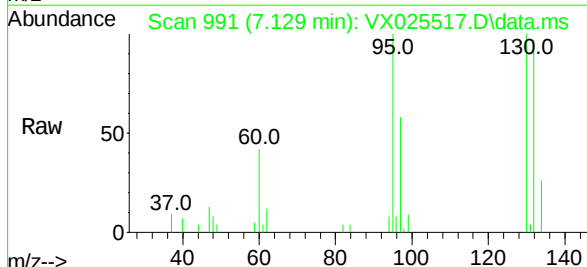
Acq: 04 Dec 2021 13:23

Tgt Ion:130 Resp: 5312

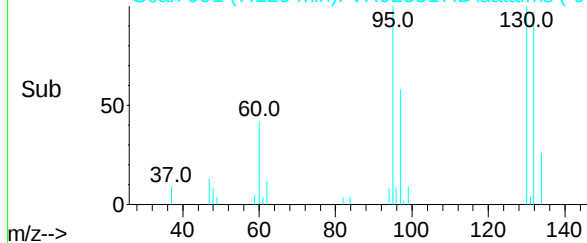
Ion Ratio Lower Upper

130 100

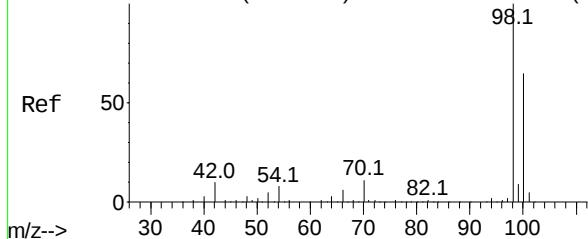
95 100.4 0.0 196.8



Abundance Scan 991 (7.129 min): VX025517.D\data.ms (-942) (-)



Abundance Scan 1241 (8.653 min): VX025183.D\data.ms (-12359)



Toluene-d8

Concen: 49.64 ug/l

RT: 8.653 min Scan#

Delta R.T. -0.000 min

Lab File: VX025517.D

Acq: 04 Dec 2021 13:23

Instrument :

MSVOA_X

ClientSampleId :

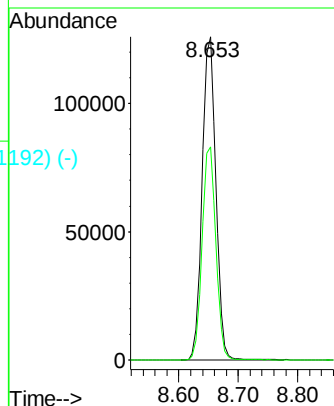
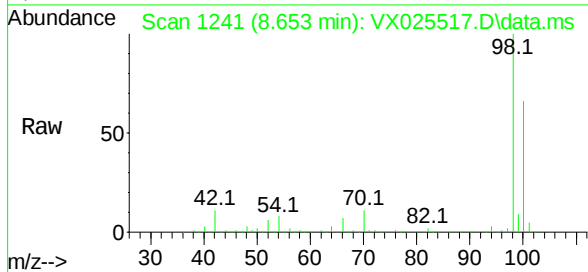
RE134D4-20211202DL

Tgt Ion: 98 Resp: 201490

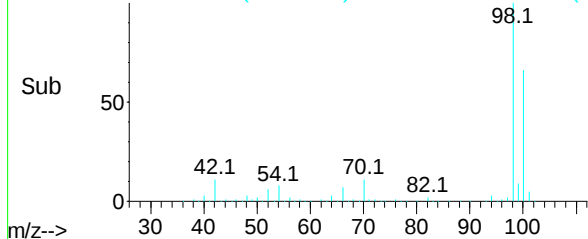
Ion Ratio Lower Upper

98 100

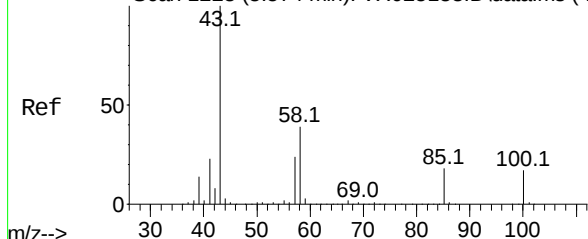
100 66.2 51.4 77.0



Abundance Scan 1241 (8.653 min): VX025517.D\data.ms (-1192)



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



4-Methyl-2-Pentanone

Concen: 0.46 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX025517.D

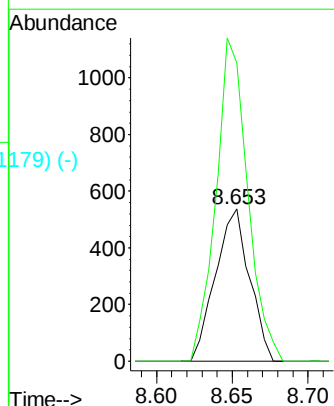
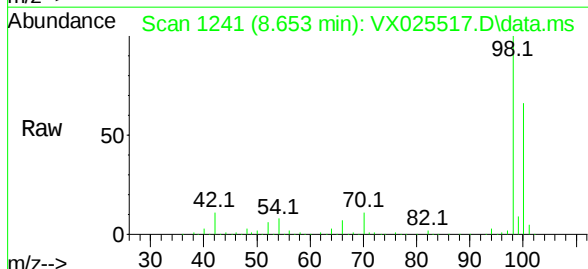
Acq: 04 Dec 2021 13:23

Tgt Ion: 43 Resp: 838

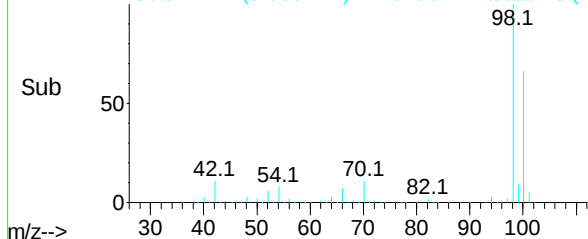
Ion Ratio Lower Upper

43 100

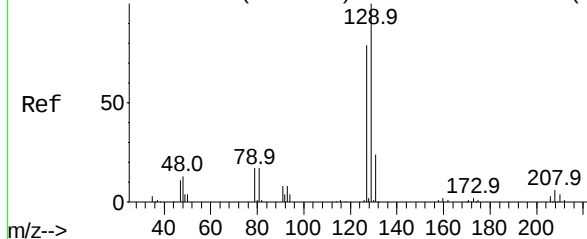
58 197.7 30.9 46.3#



Abundance Scan 1241 (8.653 min): VX025517.D\data.ms (-1179)



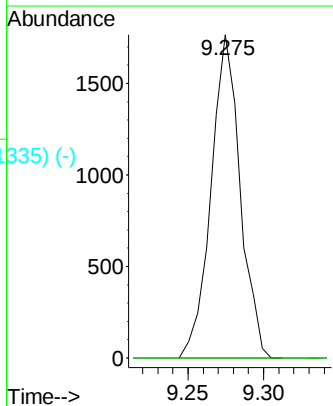
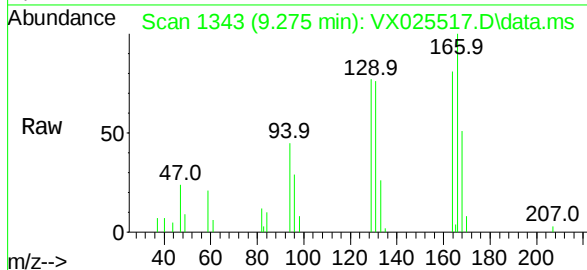
Abundance Scan 1384 (9.525 min): VX025183.D\data.ms (-13760)



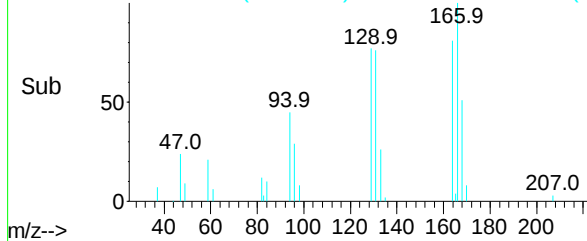
Dibromochloromethane
Concen: 1.69 ug/l
RT: 9.275 min Scan# 1639
Delta R.T. -0.250 min
Lab File: VX025517.D
Acq: 04 Dec 2021 13:23

Instrument : MSVOA_X
ClientSampleId : RE134D4-20211202DL

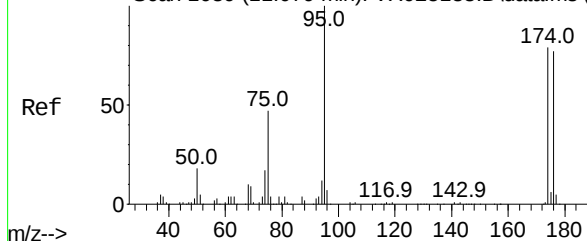
Tgt Ion: 129 Resp: 2348
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



Abundance Scan 1343 (9.275 min): VX025517.D\data.ms (-1335)

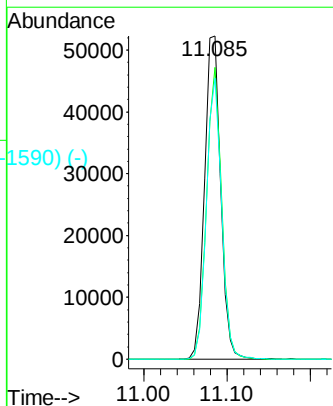
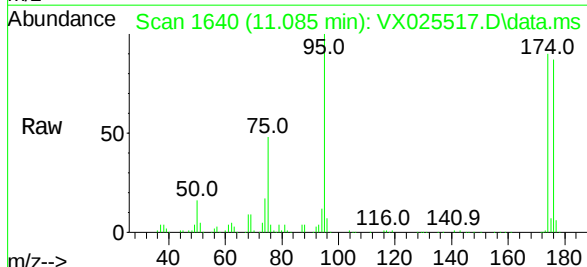


Abundance Scan 1639 (11.079 min): VX025183.D\data.ms (-1639)

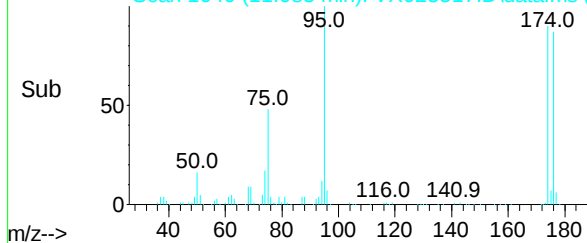


4-Bromofluorobenzene
Concen: 45.36 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX025517.D
Acq: 04 Dec 2021 13:23

Tgt Ion: 95 Resp: 69651
Ion Ratio Lower Upper
95 100
174 84.4 0.0 158.0
176 82.2 0.0 153.6



Abundance Scan 1640 (11.085 min): VX025517.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: VX025517.D

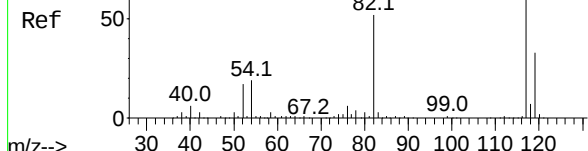
Acq: 04 Dec 2021 13:23

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20211202DL



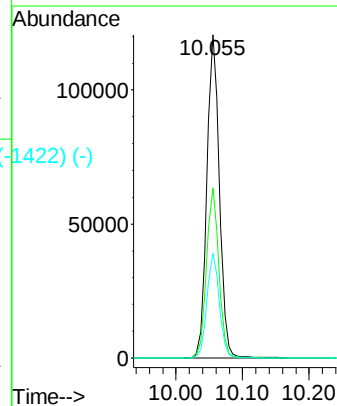
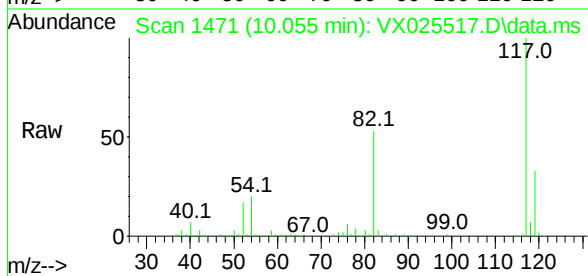
Tgt Ion:117 Resp: 157106

Ion Ratio Lower Upper

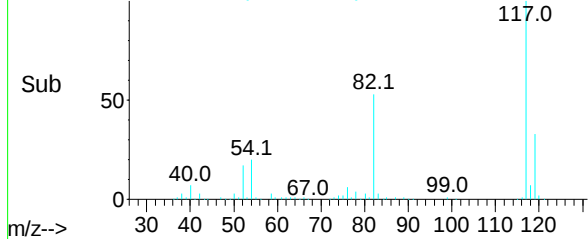
117 100

82 52.7 44.6 67.0

119 32.5 24.8 37.2



Abundance Scan 1471 (10.055 min): VX025517.D\data.ms (-1422)



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

Tetrachloroethene

Concen: 1.97 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX025517.D

Acq: 04 Dec 2021 13:23

Tgt Ion:164 Resp: 2553

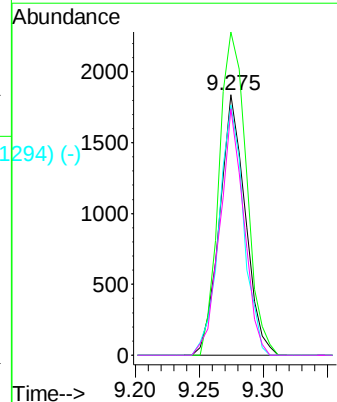
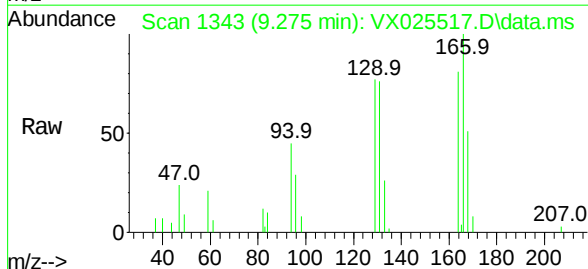
Ion Ratio Lower Upper

164 100

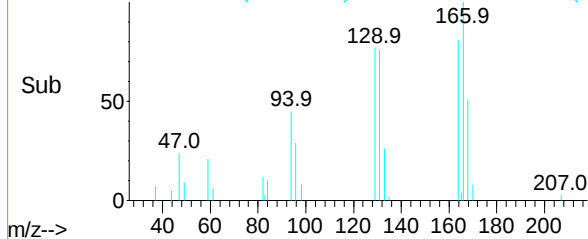
166 124.1 103.2 154.8

129 96.0 81.0 121.4

131 94.7 76.6 115.0



Abundance Scan 1343 (9.275 min): VX025517.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# 1794

Delta R.T. 0.000 min

Lab File: VX025517.D

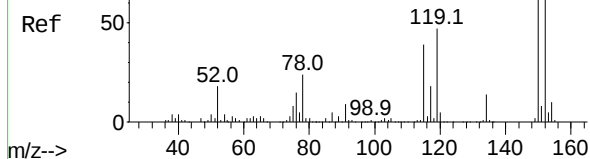
Acq: 04 Dec 2021 13:23

Instrument :

MSVOA_X

ClientSampleId :

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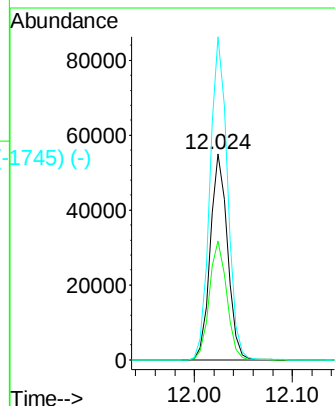
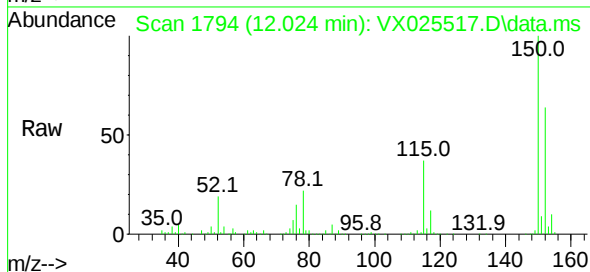
Tgt Ion:152 Resp: 67273

Ion Ratio Lower Upper

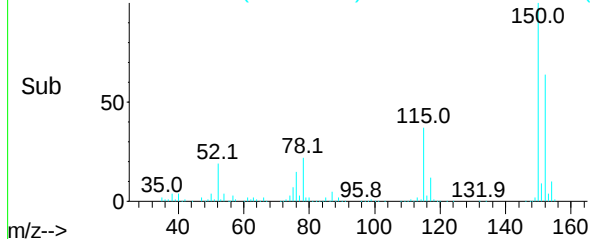
152 100

115 58.0 43.3 129.8

150 159.4 0.0 351.2



Abundance Scan 1794 (12.024 min): VX025517.D\data.ms (-1745) (-)



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

1,2,3-Trichloropropane

Concen: 24.54 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX025517.D

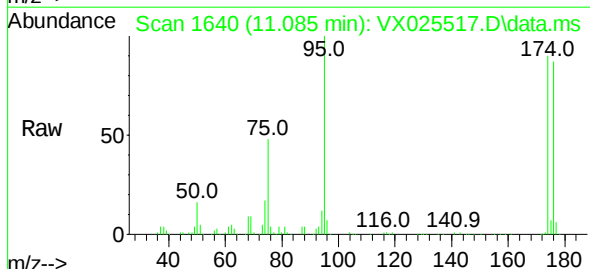
Acq: 04 Dec 2021 13:23

Tgt Ion: 75 Resp: 33807

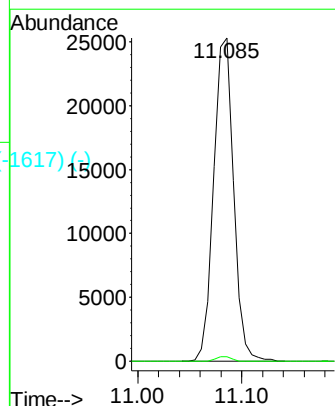
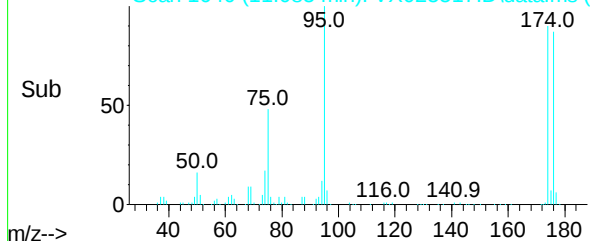
Ion Ratio Lower Upper

75 100

77 1.0 20.0 59.9#



Abundance Scan 1640 (11.085 min): VX025517.D\data.ms (-1617) (-)



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

trans-1,4-Dichloro-2-butene

Concen: 61.82 ug/l

RT: 11.085 min Scan# 1629

Delta R.T. 0.067 min

Lab File: VX025517.D

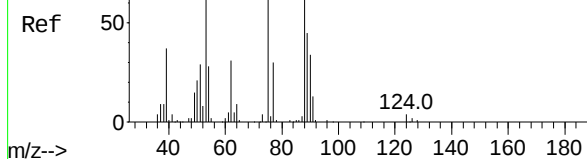
Acq: 04 Dec 2021 13:23

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20211202DL



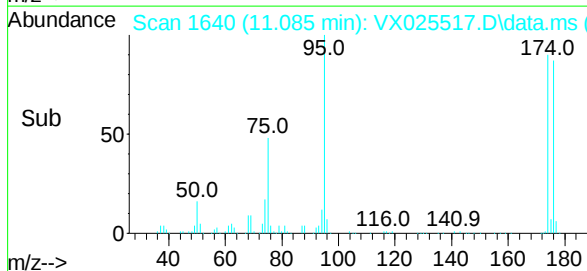
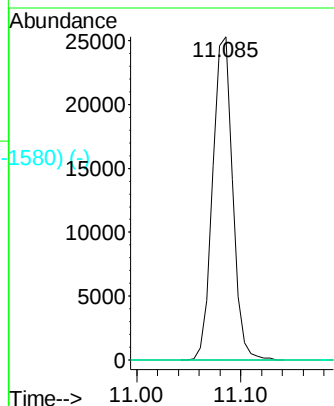
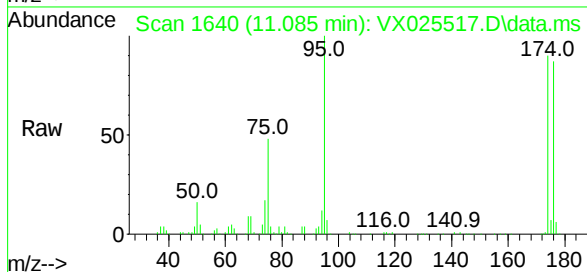
Tgt Ion: 75 Resp: 33807

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: 13.780 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VX025517.D

Acq: 04 Dec 2021 13:23

Tgt Ion:128 Resp: 458

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.8 13.2#

