

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120421\
 Data File : VX025534.D
 Acq On : 04 Dec 2021 20:02
 Operator : JC/MD
 Sample : M4923-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 06 01:09:03 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)

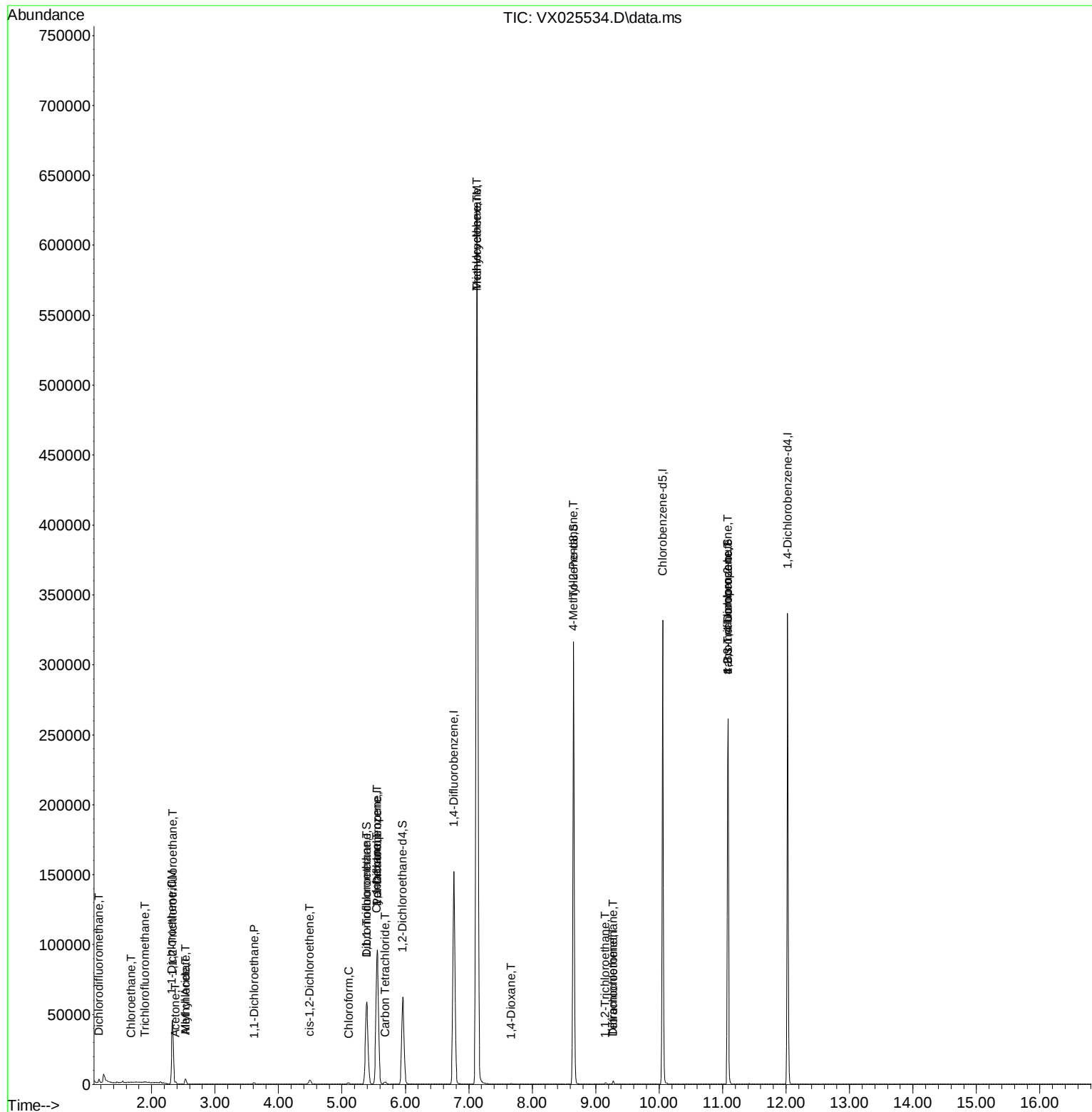
Internal Standards						
1) Pentafluorobenzene	5.556	168	96251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	163827	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	149600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70546	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58149	57.32	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery	=	114.64%	
35) Dibromofluoromethane	5.391	113	50672	50.41	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	=	100.82%	
50) Toluene-d8	8.653	98	188815	49.96	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.085	95	68785	48.11	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	=	96.22%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	730	0.87	ug/l	98
6) Chloroethane	1.678	64	262	0.33	ug/l #	43
7) Trichlorofluoromethane	1.892	101	371	0.22	ug/l #	64
9) 1,1,2-Trichlorotrifluo...	2.331	101	13820	15.43	ug/l	99
12) 1,1-Dichloroethene	2.319	96	4738	5.31	ug/l	92
14) Allyl chloride	2.532	41	428	0.27	ug/l #	76
16) Acetone	2.380	43	1484	2.63	ug/l	93
18) Methyl Acetate	2.538	43	1141	0.63	ug/l #	52
24) 1,1-Dichloroethane	3.617	63	1519	0.90	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	2027	1.78	ug/l	80
30) Chloroform	5.111	83	1294	0.74	ug/l	99
31) Cyclohexane	5.550	56	1765	1.13	ug/l #	1
32) 1,1,1-Trichloroethane	5.391	97	529	0.33	ug/l #	43
36) 1,1-Dichloropropene	5.556	75	6945	4.86	ug/l #	50
38) Carbon Tetrachloride	5.684	117	1461	0.93	ug/l	89
39) Methylcyclohexane	7.129	83	2732	1.49	ug/l #	1
44) Trichloroethene	7.129	130	250172	198.89	ug/l	95
49) 1,4-Dioxane	7.665	88	375	13.98	ug/l #	87
51) 4-Methyl-2-Pentanone	8.647	43	858	0.51	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	434	0.39	ug/l #	86
60) Dibromochloromethane	9.275	129	450	0.35	ug/l #	11
64) Tetrachloroethene	9.275	164	427	0.35	ug/l	90
76) 1,2,3-Trichloropropane	11.085	75	33197	22.98	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	33197	57.89	ug/l #	9

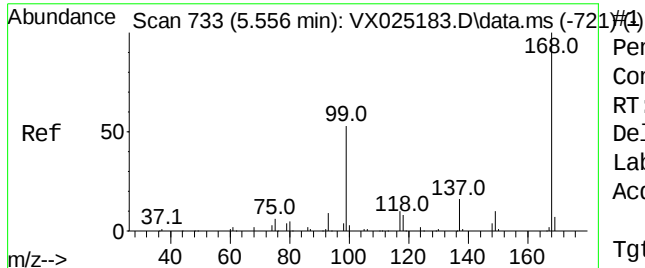
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Dec 06 01:09:03 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





Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.556 min Scan#

Delta R.T. -0.000 min

Lab File: VX025534.D

Acq: 04 Dec 2021 20:02

Instrument :

MSVOA_X

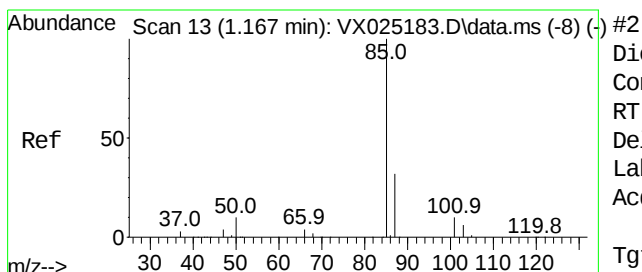
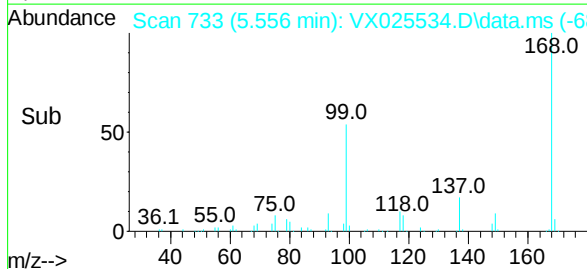
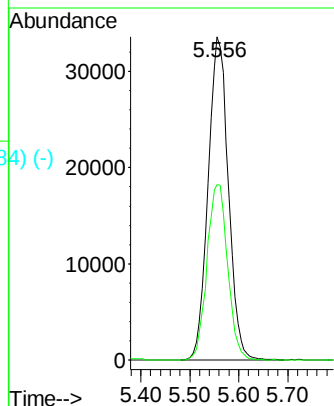
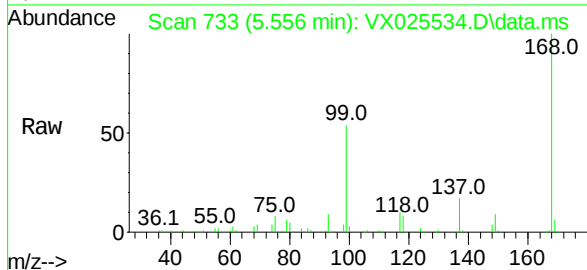
ClientSampleId :

Tgt Ion:168 Resp: 96251

Ion Ratio Lower Upper

168 100

99 54.3 46.4 69.6



Dichlorodifluoromethane

Concen: 0.87 ug/l

RT: 1.166 min Scan# 13

Delta R.T. -0.001 min

Lab File: VX025534.D

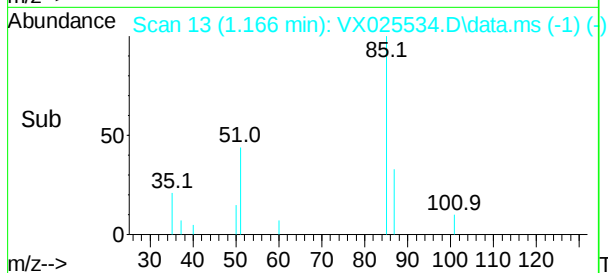
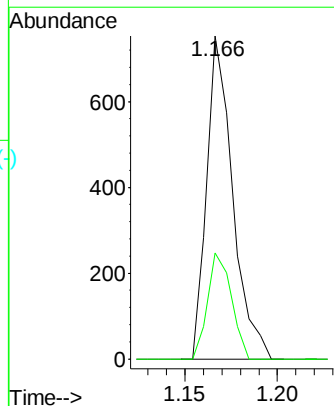
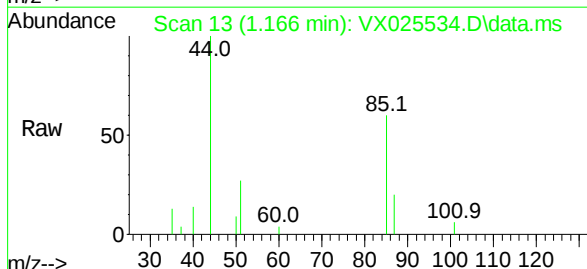
Acq: 04 Dec 2021 20:02

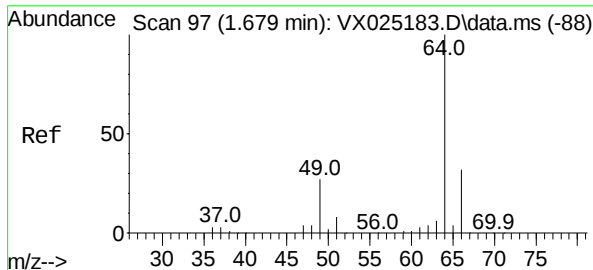
Tgt Ion: 85 Resp: 730

Ion Ratio Lower Upper

85 100

87 32.8 16.0 47.9





Chloroethane

Concen: 0.33 ug/l

RT: 1.678 min Scan# 1

Delta R.T. -0.001 min

Lab File: VX025534.D

Acq: 04 Dec 2021 20:02

Instrument :

MSVOA_X

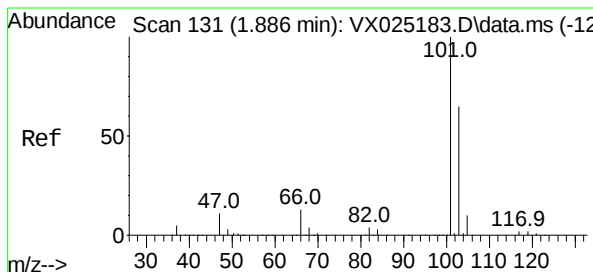
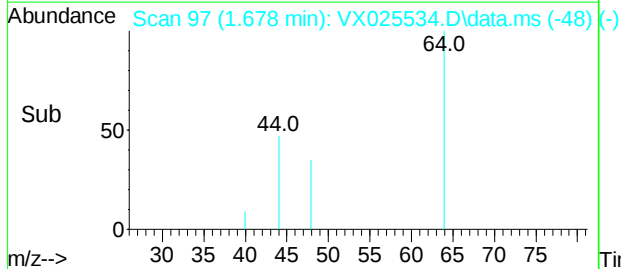
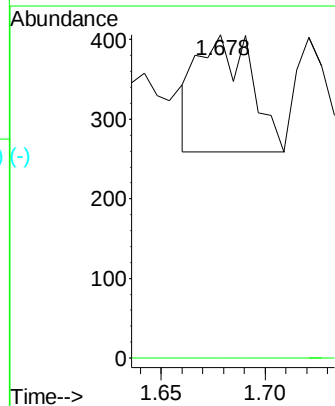
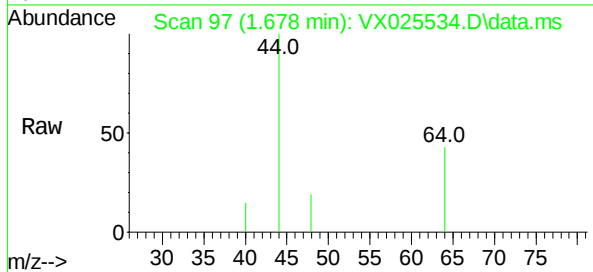
ClientSampleId :

Tgt Ion: 64 Resp: 262

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Trichlorofluoromethane

Concen: 0.22 ug/l

RT: 1.892 min Scan# 132

Delta R.T. 0.006 min

Lab File: VX025534.D

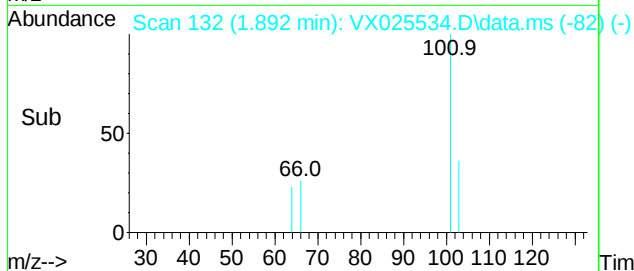
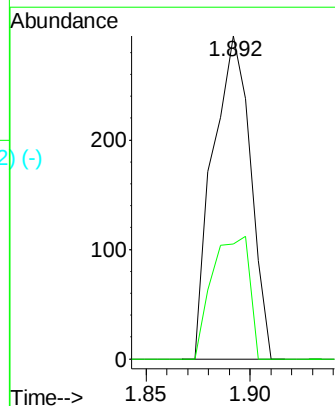
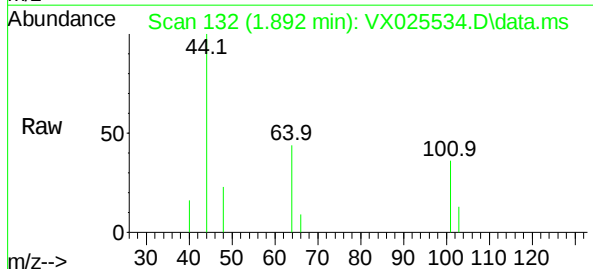
Acq: 04 Dec 2021 20:02

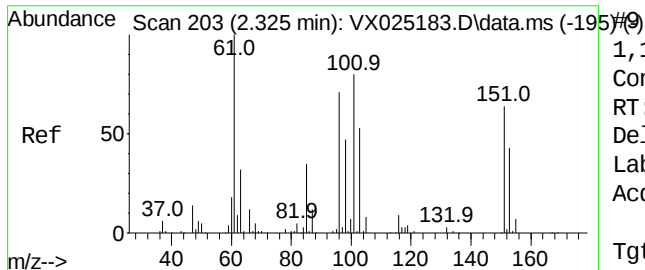
Tgt Ion: 101 Resp: 371

Ion Ratio Lower Upper

101 100

103 35.6 51.0 76.6#





1,1,2-Trichlorotrifluoroethane

Concen: 15.43 ug/l

RT: 2.331 min Scan# 1

Delta R.T. 0.006 min MSVOA_X

Lab File: VX025534.D

Acq: 04 Dec 2021 20:02

Instrument :

MSVOA_X

ClientSampleId :

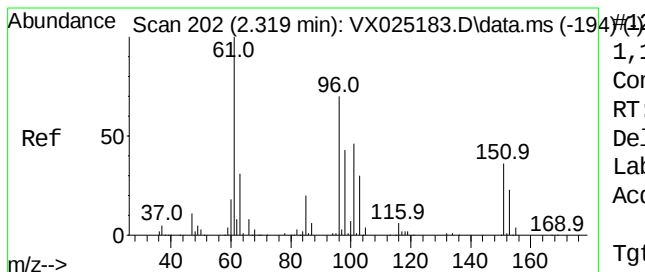
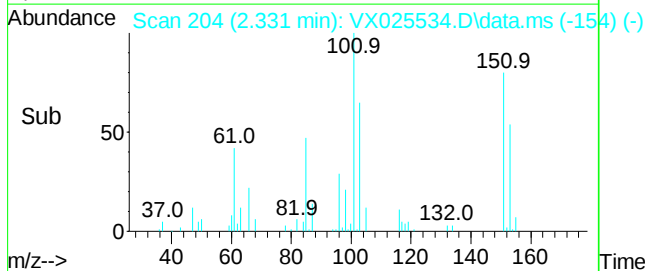
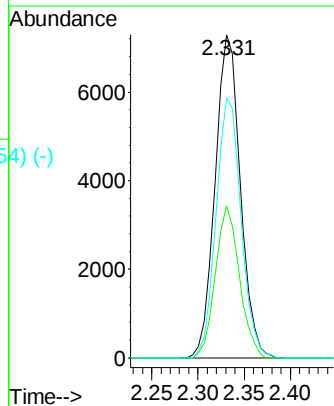
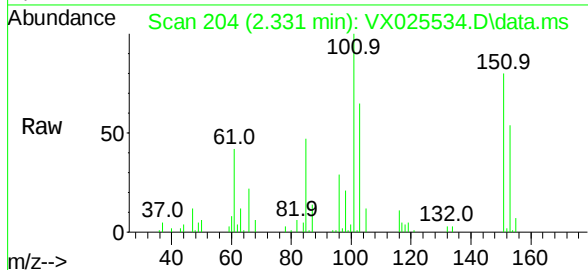
Tgt Ion:101 Resp: 13820

Ion Ratio Lower Upper

101 100

85 44.7 35.9 53.9

151 79.8 64.4 96.6



1,1-Dichloroethene

Concen: 5.31 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX025534.D

Acq: 04 Dec 2021 20:02

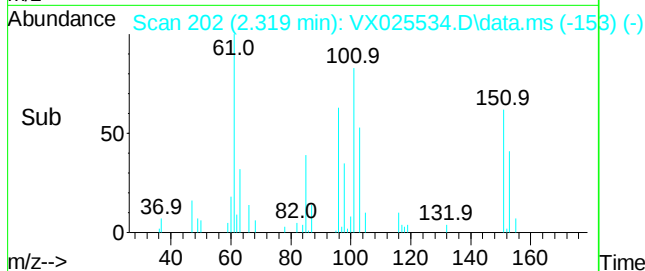
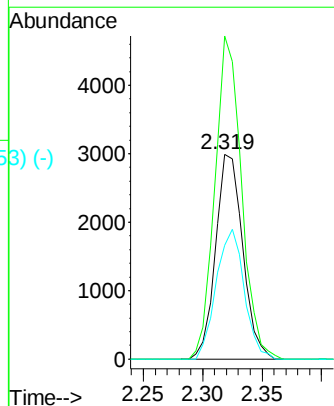
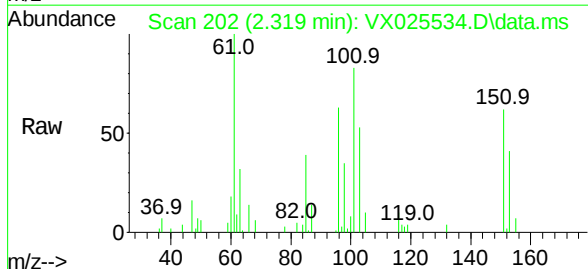
Tgt Ion: 96 Resp: 4738

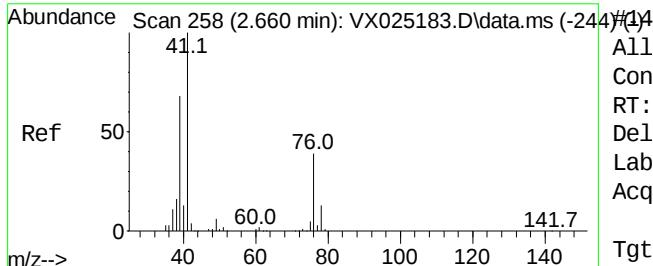
Ion Ratio Lower Upper

96 100

61 157.7 134.1 201.1

98 55.6 51.5 77.3





Allyl chloride

Concen: 0.27 ug/l

RT: 2.532 min Scan# 212

Delta R.T. -0.128 min

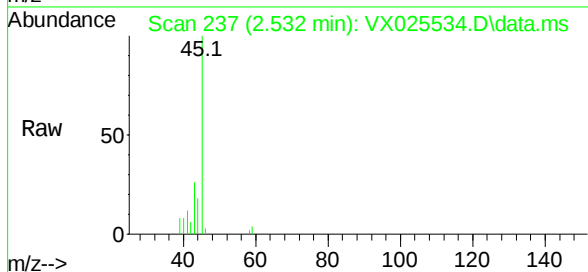
Lab File: VX025534.D

Acq: 04 Dec 2021 20:02

Instrument :

MSVOA_X

ClientSampleId :



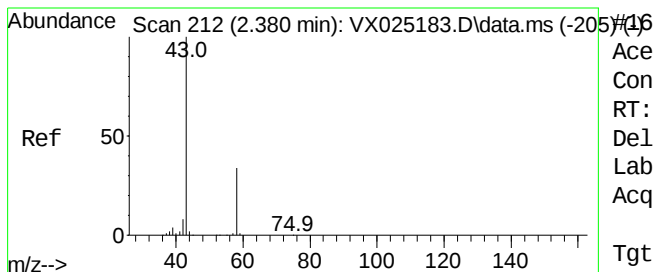
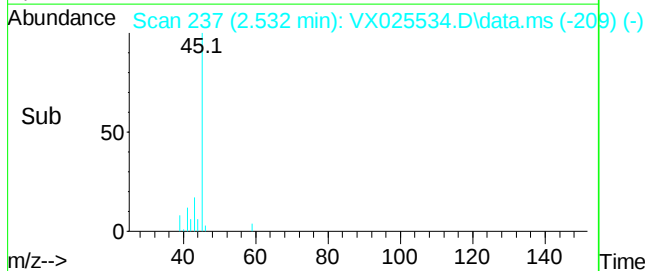
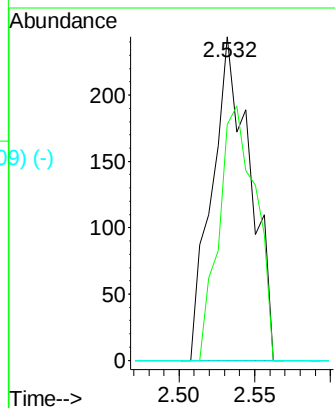
Tgt Ion: 41 Resp: 428

Ion Ratio Lower Upper

41 100

39 75.7 54.6 82.0

76 0.0 25.3 37.9#



Acetone

Concen: 2.63 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX025534.D

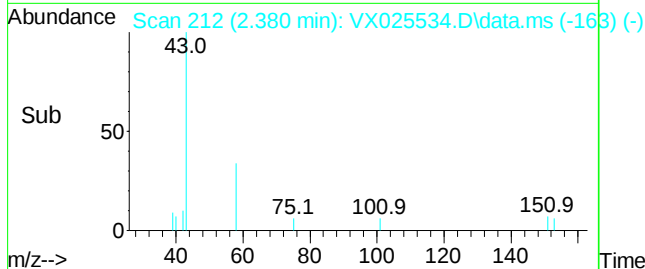
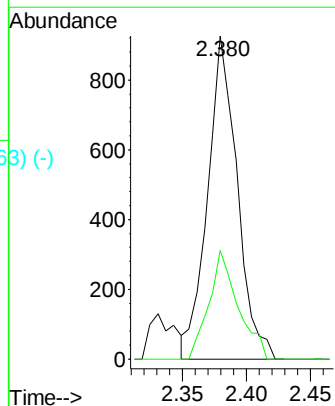
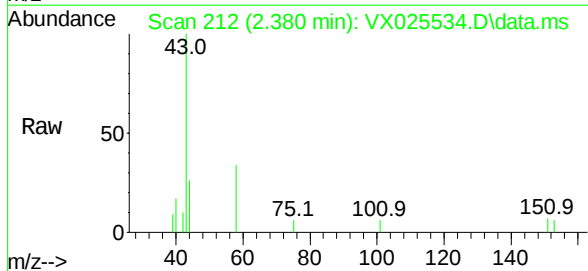
Acq: 04 Dec 2021 20:02

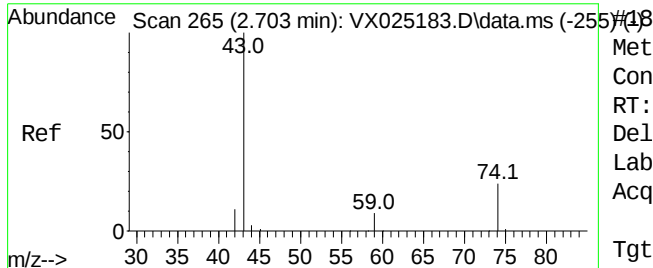
Tgt Ion: 43 Resp: 1484

Ion Ratio Lower Upper

43 100

58 33.7 24.0 36.0





Methyl Acetate

Concen: 0.63 ug/l

RT: 2.538 min Scan# 1

Delta R.T. -0.165 min

Lab File: VX025534.D

Acq: 04 Dec 2021 20:02

Instrument :

MSVOA_X

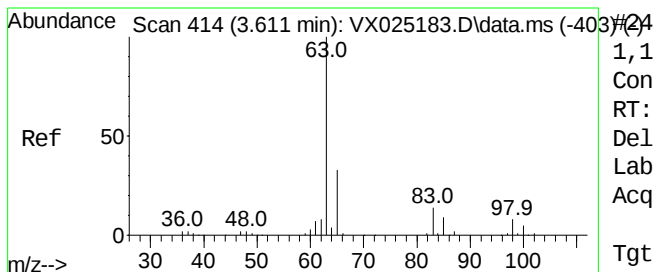
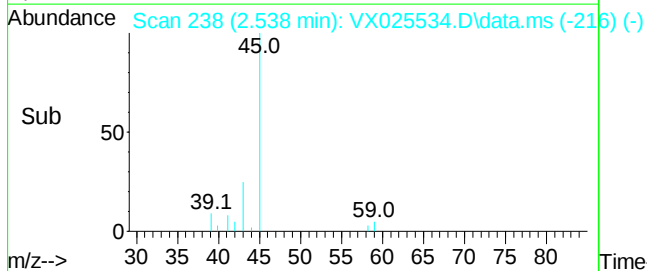
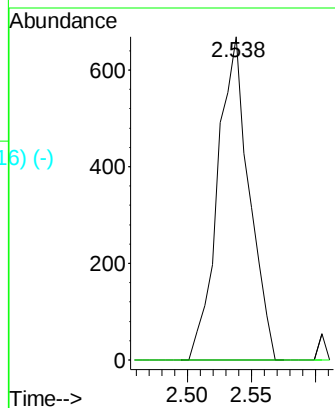
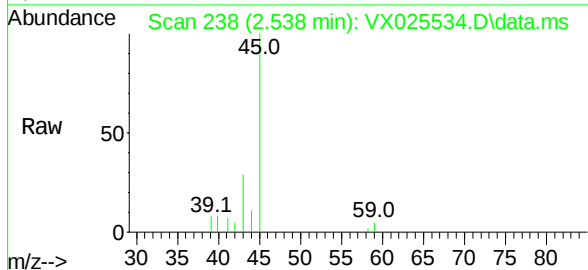
ClientSampleId :

Tgt Ion: 43 Resp: 1141

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#



1,1-Dichloroethane

Concen: 0.90 ug/l

RT: 3.617 min Scan# 415

Delta R.T. 0.006 min

Lab File: VX025534.D

Acq: 04 Dec 2021 20:02

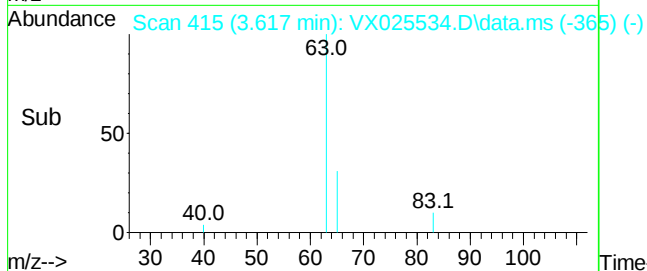
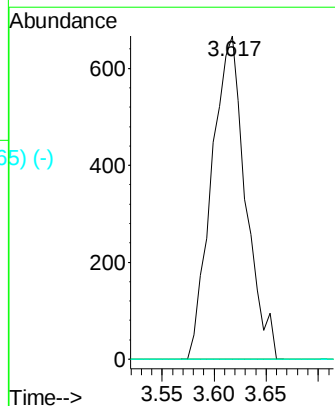
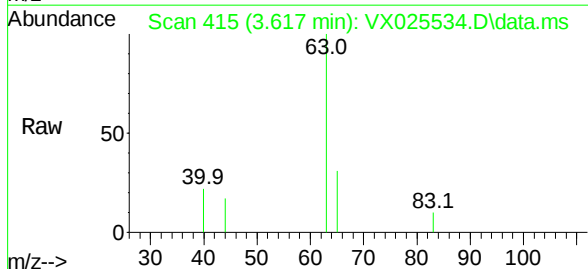
Tgt Ion: 63 Resp: 1519

Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.9#

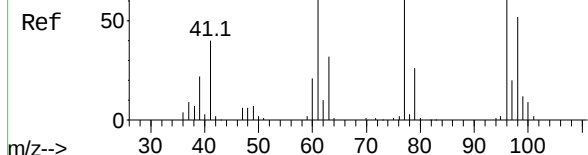
100 0.0 2.1 6.2#



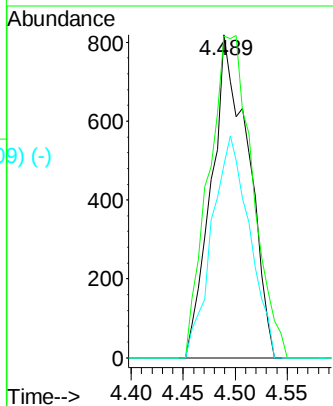
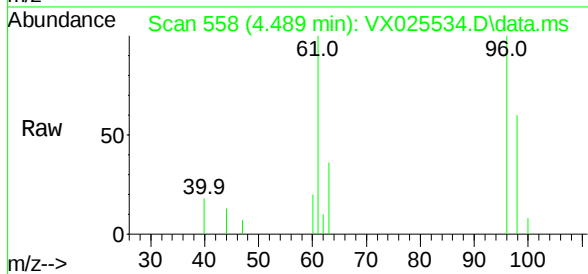
Abundance Scan 558 (4.489 min): VX025183.D\data.ms (-546) #27

cis-1,2-Dichloroethene
Concen: 1.78 ug/l
RT: 4.489 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX025534.D
Acq: 04 Dec 2021 20:02

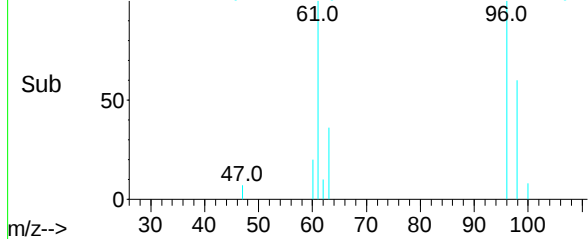
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	96	Resp:	2027
Ion	Ratio	Lower	Upper
96	100		
61	117.9	0.0	302.2
98	69.8	0.0	131.4



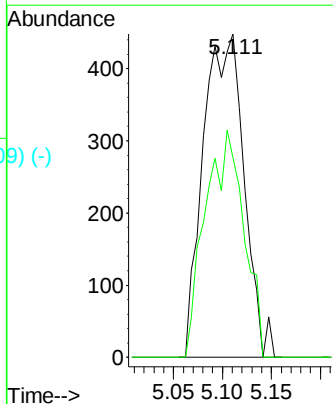
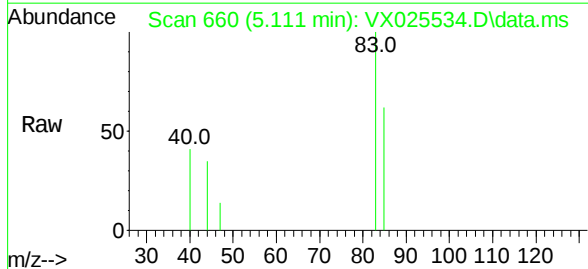
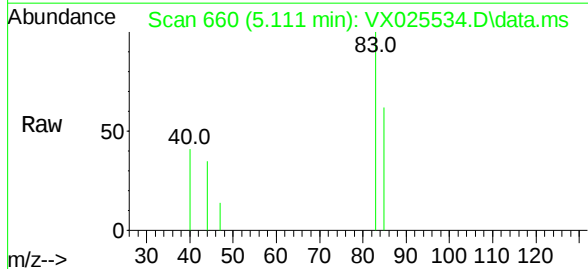
Abundance Scan 558 (4.489 min): VX025534.D\data.ms (-509) (-)



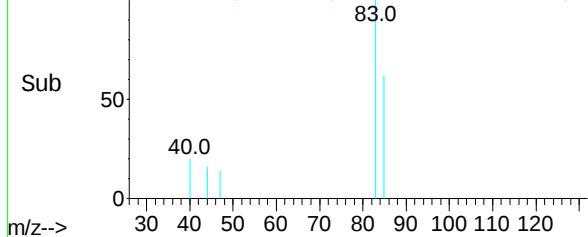
Abundance Scan 658 (5.099 min): VX025183.D\data.ms (-645) #30

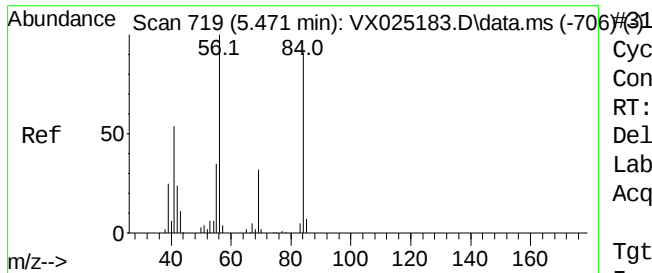
Chloroform
Concen: 0.74 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.012 min
Lab File: VX025534.D
Acq: 04 Dec 2021 20:02

Tgt Ion:	83	Resp:	1294
Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.2	75.2



Abundance Scan 660 (5.111 min): VX025534.D\data.ms (-609) (-)





Cyclohexane

Concen: 1.13 ug/l

RT: 5.550 min Scan#

Delta R.T. 0.079 min

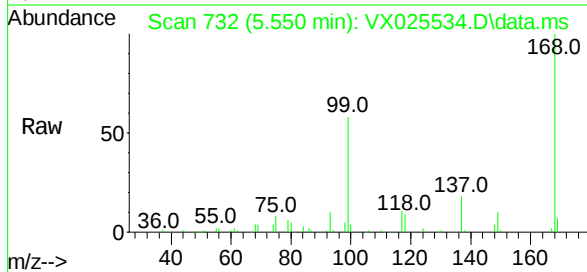
Lab File: VX025534.D

Acq: 04 Dec 2021 20:02

Instrument :

MSVOA_X

ClientSampleId :



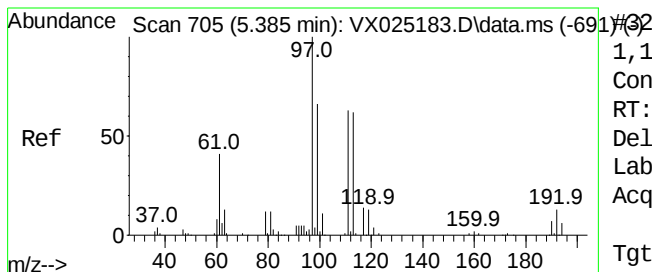
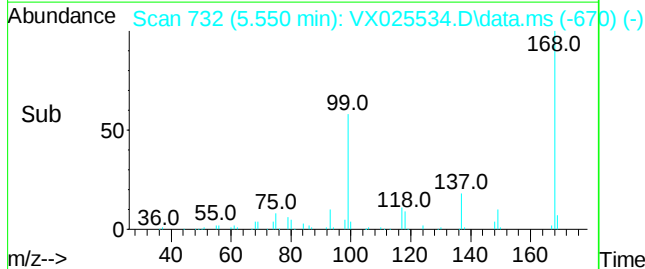
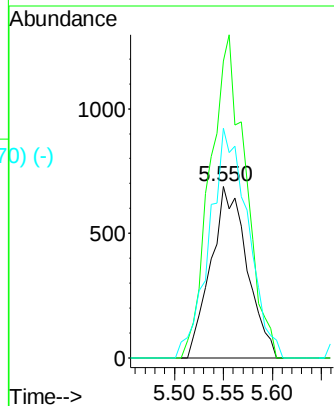
Tgt Ion: 56 Resp: 1765

Ion Ratio Lower Upper

56 100

69 173.1 24.2 36.2#

84 133.7 71.5 107.3#



1,1,1-Trichloroethane

Concen: 0.33 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX025534.D

Acq: 04 Dec 2021 20:02

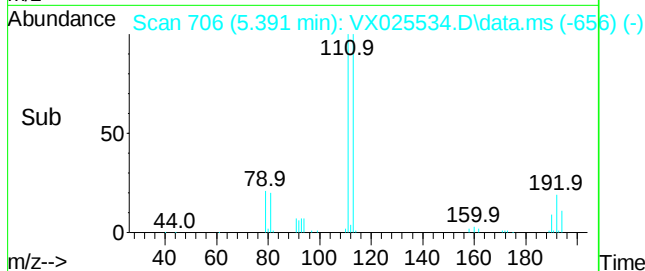
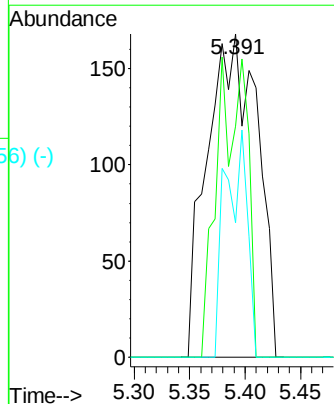
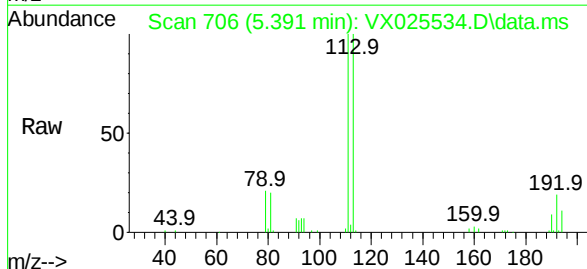
Tgt Ion: 97 Resp: 529

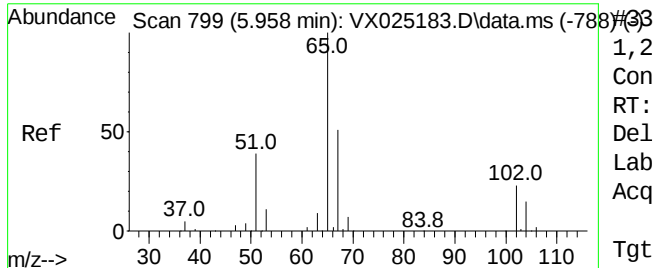
Ion Ratio Lower Upper

97 100

99 0.0 50.9 76.3#

61 30.4 35.0 52.4#

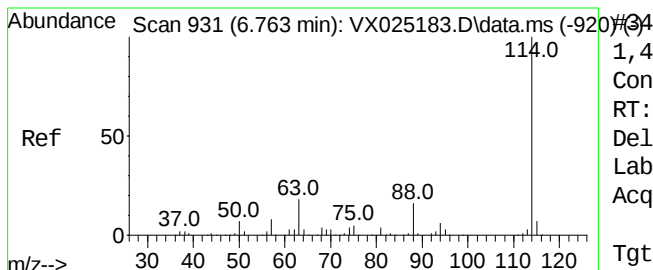
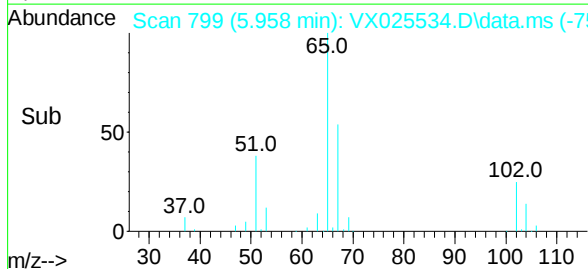
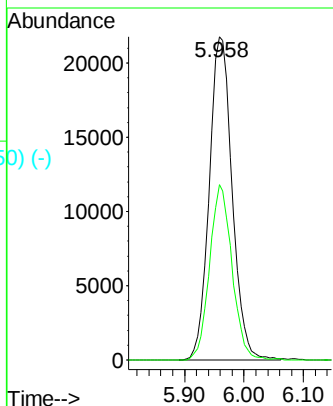
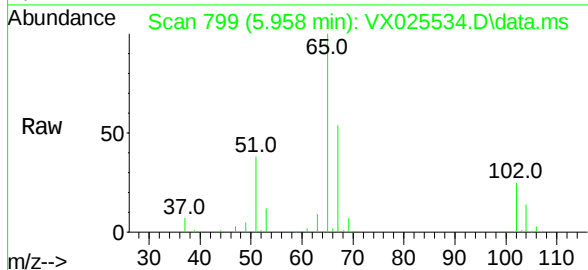




1,2-Dichloroethane-d4
 Concen: 57.32 ug/l
 RT: 5.958 min Scan#
 Delta R.T. 0.000 min
 Lab File: VX025534.D
 Acq: 04 Dec 2021 20:02

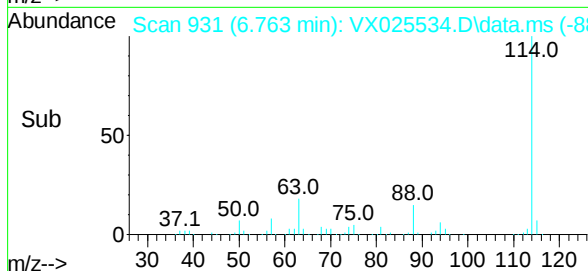
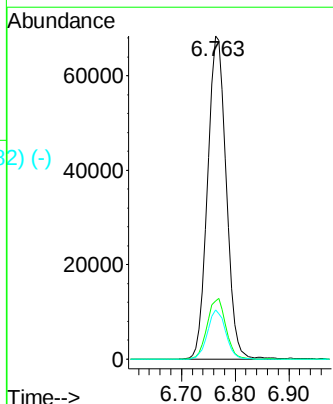
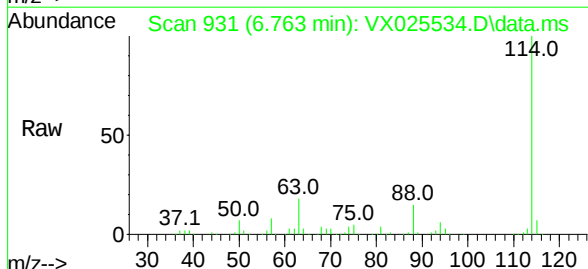
Instrument :
 MSVOA_X
 ClientSampleId :

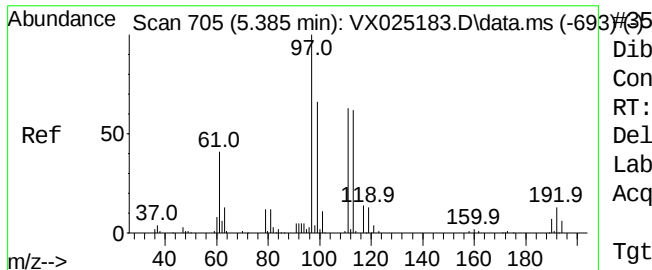
Tgt Ion: 65 Resp: 58149
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 101.0



1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX025534.D
 Acq: 04 Dec 2021 20:02

Tgt Ion: 114 Resp: 163827
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 41.0
 88 15.2 0.0 34.8

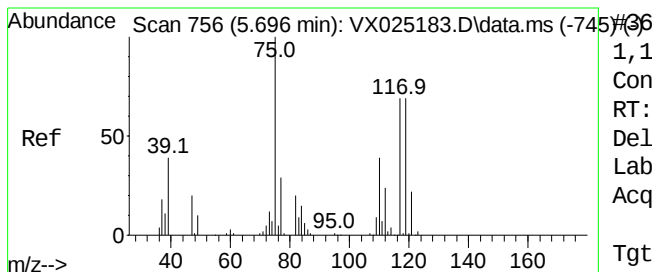
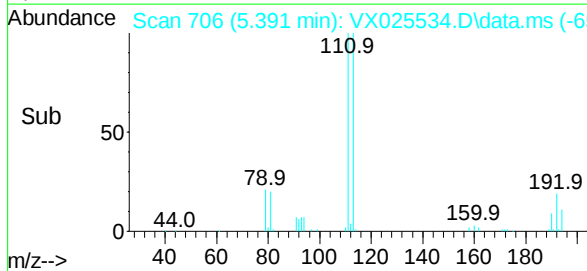
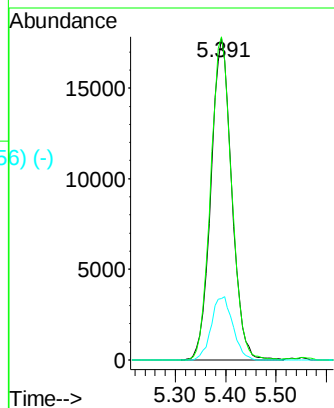
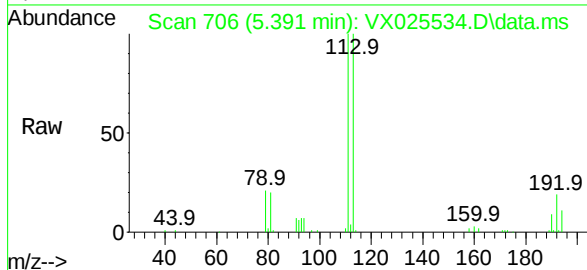




Dibromofluoromethane
Concen: 50.41 ug/l
RT: 5.391 min Scan#
Delta R.T. 0.006 min
Lab File: VX025534.D
Acq: 04 Dec 2021 20:02

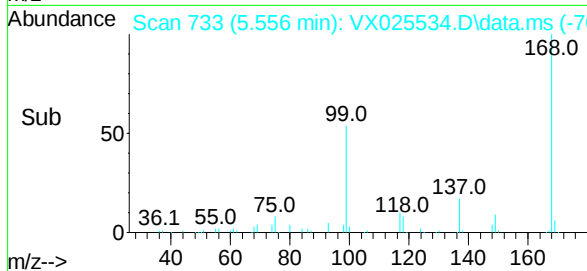
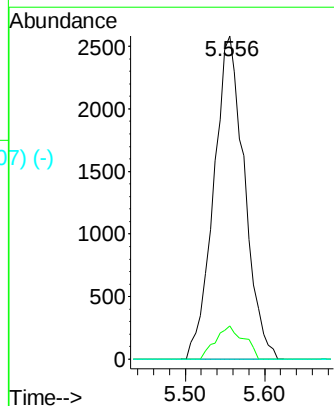
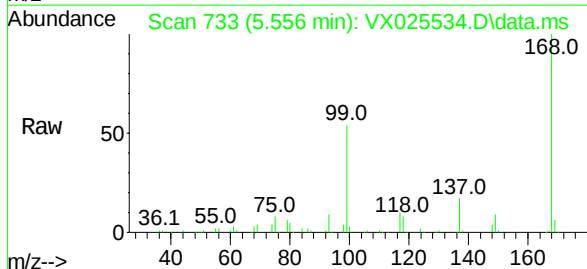
Instrument :
MSVOA_X
ClientSampleId :

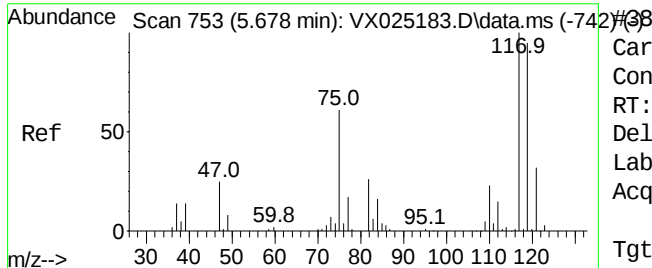
Tgt Ion:113 Resp: 50672
Ion Ratio Lower Upper
113 100
111 101.5 82.1 123.1
192 20.3 15.6 23.4



1,1-Dichloropropene
Concen: 4.86 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX025534.D
Acq: 04 Dec 2021 20:02

Tgt Ion: 75 Resp: 6945
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.3#
77 0.0 24.4 36.6#

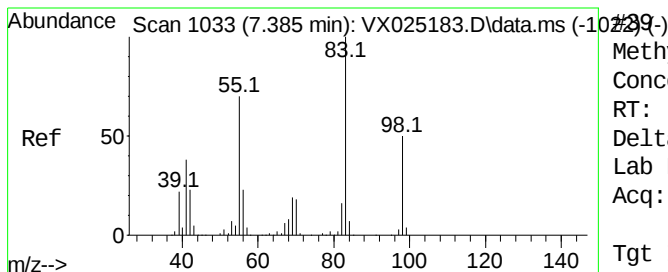
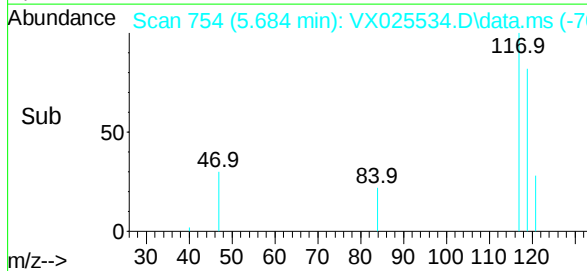
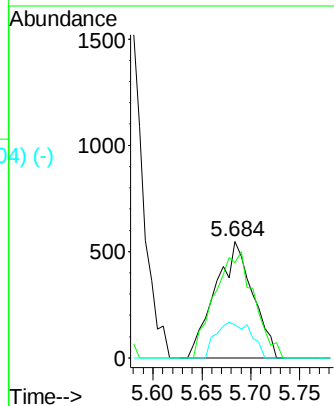
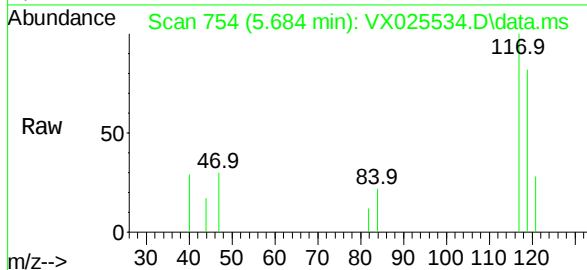




Carbon Tetrachloride
Concen: 0.93 ug/l
RT: 5.684 min Scan#
Delta R.T. 0.006 min
Lab File: VX025534.D
Acq: 04 Dec 2021 20:02

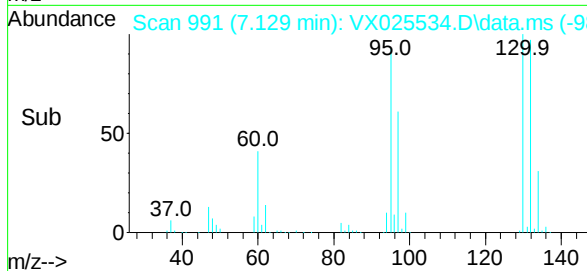
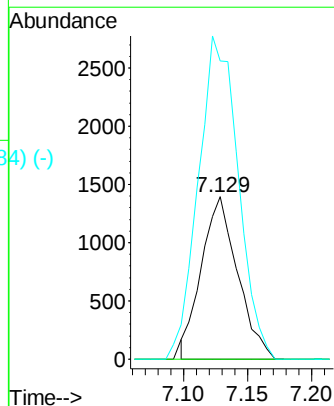
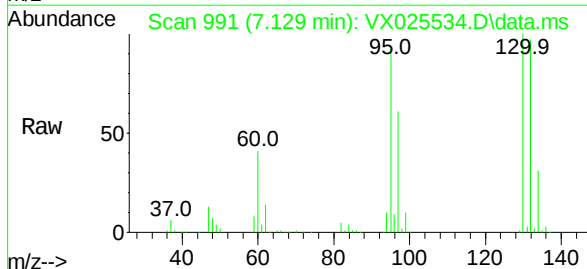
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:117 Resp: 1461
Ion Ratio Lower Upper
117 100
119 81.8 75.6 113.4
121 28.5 23.7 35.5



Methylcyclohexane
Concen: 1.49 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX025534.D
Acq: 04 Dec 2021 20:02

Tgt Ion: 83 Resp: 2732
Ion Ratio Lower Upper
83 100
55 0.0 60.8 91.2#
98 183.3 37.0 55.4#



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

Trichloroethene

Concen: 198.89 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

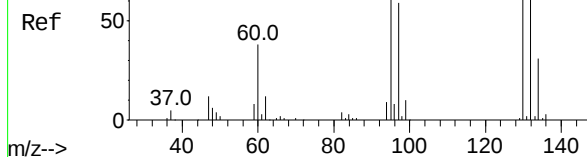
Lab File: VX025534.D

Acq: 04 Dec 2021 20:02

Instrument :

MSVOA_X

ClientSampleId :

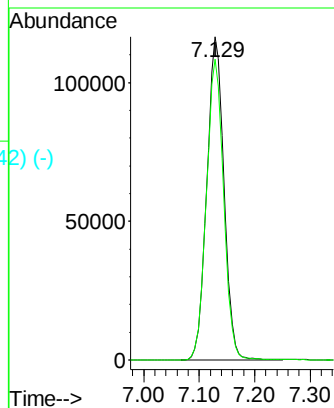
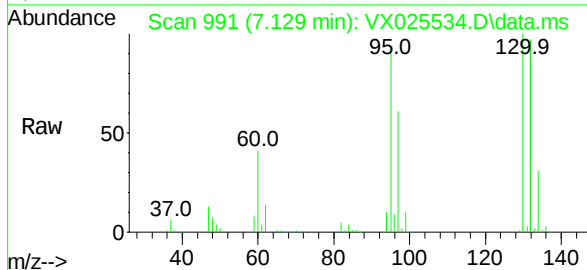


Tgt Ion:130 Resp: 250172

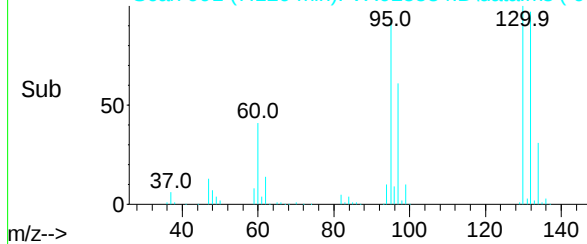
Ion Ratio Lower Upper

130 100

95 93.1 0.0 196.8



Abundance Scan 991 (7.129 min): VX025534.D\data.ms (-942) (-)



Abundance Scan 1078 (7.659 min): VX025183.D\data.ms (-1078) #49

1,4-Dioxane

Concen: 13.98 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.006 min

Lab File: VX025534.D

Acq: 04 Dec 2021 20:02

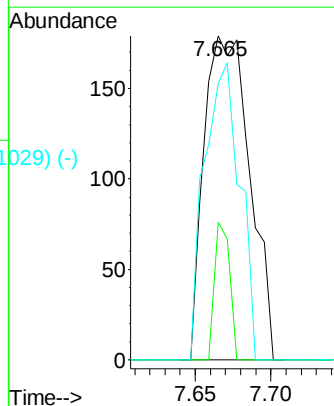
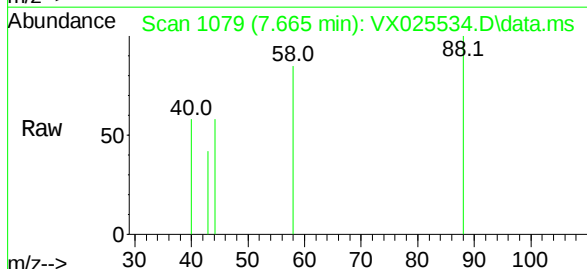
Tgt Ion: 88 Resp: 375

Ion Ratio Lower Upper

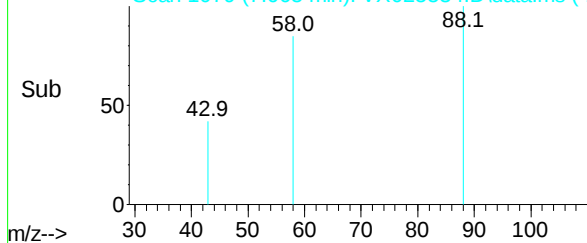
88 100

43 13.9 27.0 40.6#

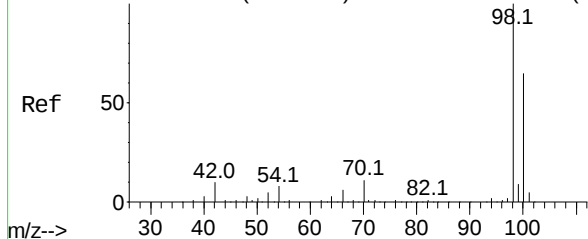
58 70.9 55.2 82.8



Abundance Scan 1079 (7.665 min): VX025534.D\data.ms (-1029) (-)



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



Toluene-d8

Concen: 49.96 ug/l

RT: 8.653 min Scan#

Delta R.T. -0.000 min

Lab File: VX025534.D

Acq: 04 Dec 2021 20:02

Instrument :

MSVOA_X

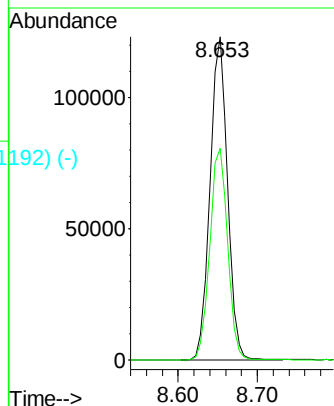
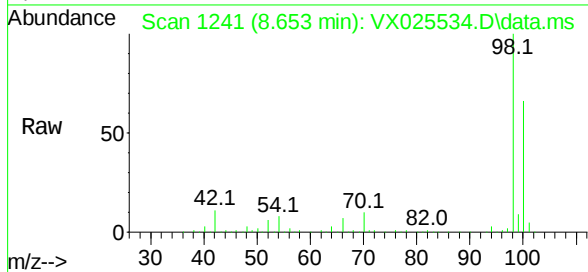
ClientSampleId :

Tgt Ion: 98 Resp: 188815

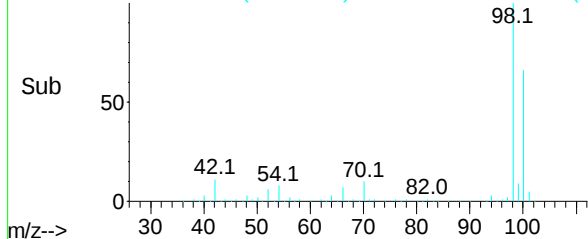
Ion Ratio Lower Upper

98 100

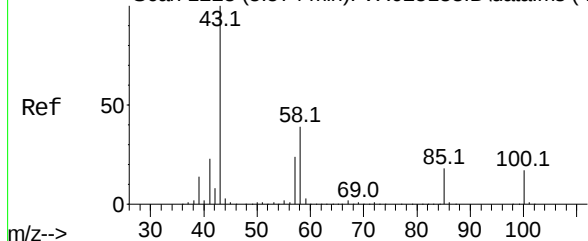
100 66.9 51.4 77.0



Abundance Scan 1241 (8.653 min): VX025534.D\data.ms (-1192) (-)



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



4-Methyl-2-Pentanone

Concen: 0.51 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX025534.D

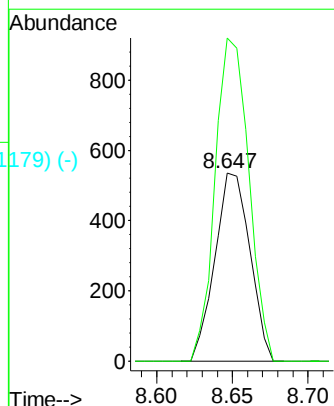
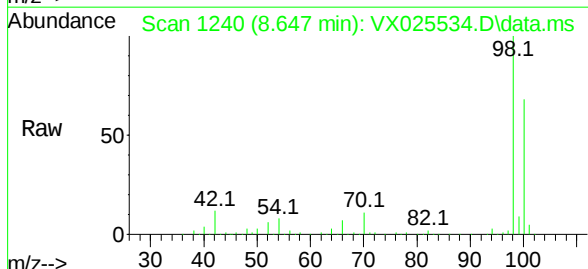
Acq: 04 Dec 2021 20:02

Tgt Ion: 43 Resp: 858

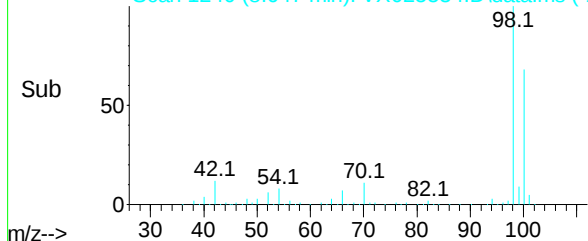
Ion Ratio Lower Upper

43 100

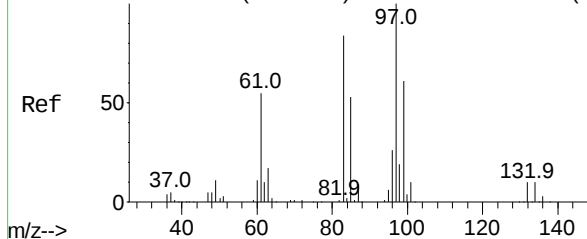
58 165.4 30.9 46.3#



Abundance Scan 1240 (8.647 min): VX025534.D\data.ms (-1179) (-)

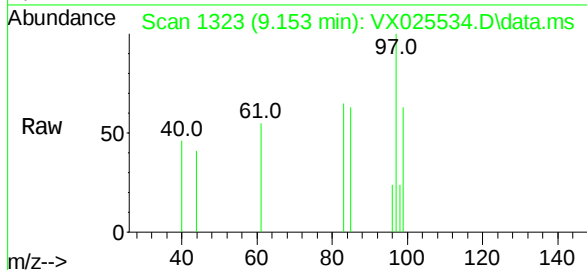


Abundance Scan 1323 (9.153 min): VX025183.D\data.ms (-1325)

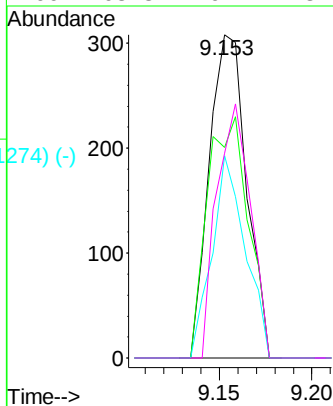
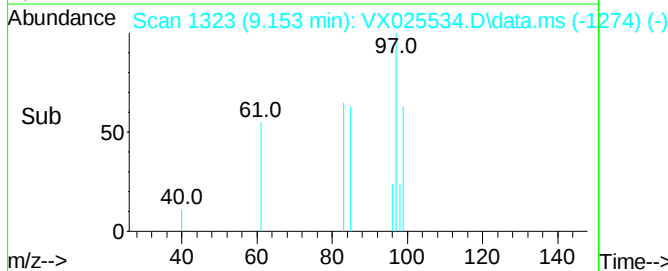


1,1,2-Trichloroethane
Concen: 0.39 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX025534.D
Acq: 04 Dec 2021 20:02

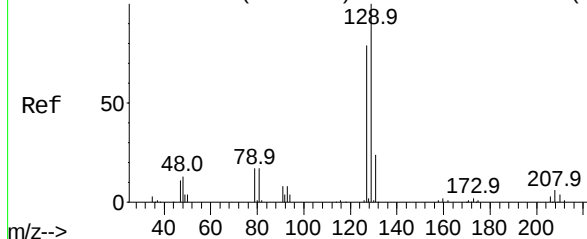
Instrument :
MSVOA_X
ClientSampleId :



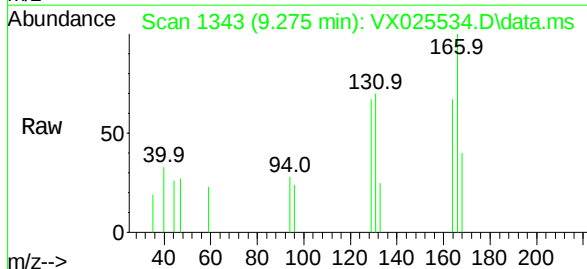
Tgt Ion:	97	Resp:	434
Ion	Ratio	Lower	Upper
97	100		
83	65.3	69.2	103.8#
85	62.7	43.3	64.9
99	63.3	49.1	73.7



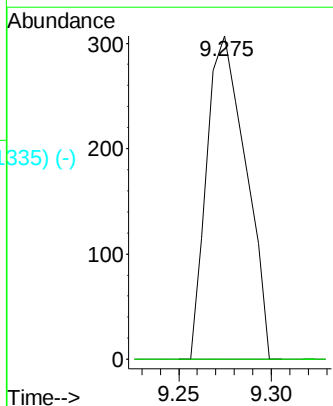
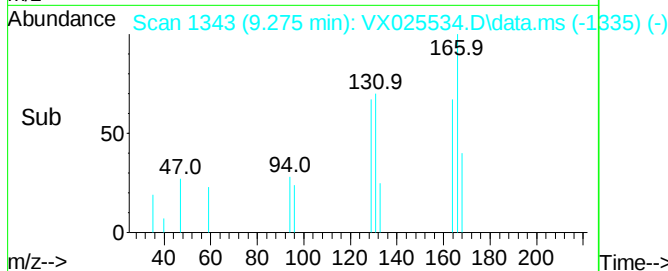
Abundance Scan 1384 (9.275 min): VX025183.D\data.ms (-1376)



Dibromochloromethane
Concen: 0.35 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX025534.D
Acq: 04 Dec 2021 20:02



Tgt Ion:	129	Resp:	450
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.5	115.5#



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

4-Bromofluorobenzene

Concen: 48.11 ug/l

RT: 11.085 min Scan#

Delta R.T. 0.006 min

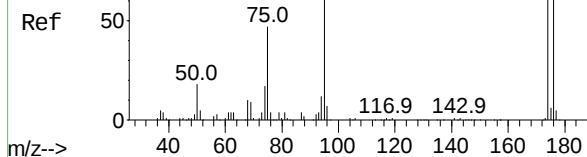
Lab File: VX025534.D

Acq: 04 Dec 2021 20:02

Instrument :

MSVOA_X

ClientSampleId :



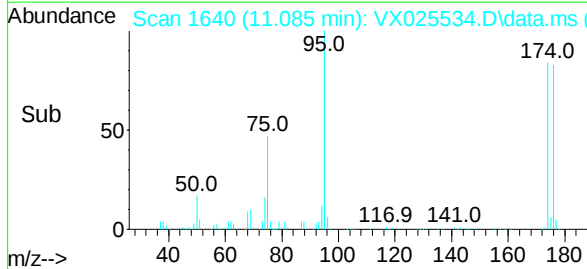
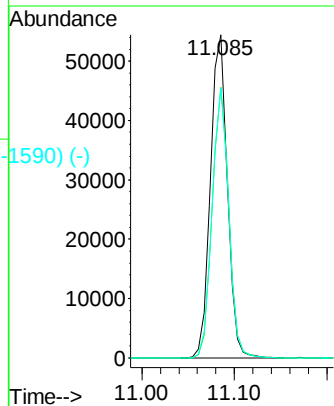
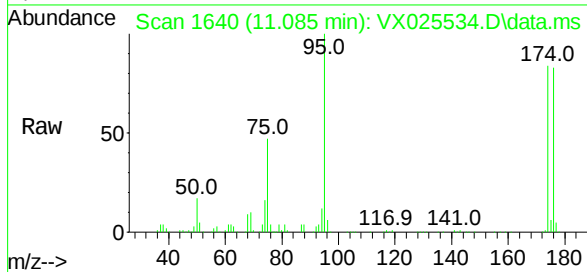
Tgt Ion: 95 Resp: 68785

Ion Ratio Lower Upper

95 100

174 82.0 0.0 158.0

176 81.8 0.0 153.6



Abundance Scan 1471 (10.055 min): VX025183.D\data.ms (-1469) (-)

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX025534.D

Acq: 04 Dec 2021 20:02

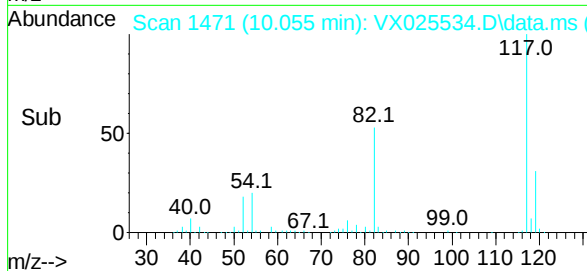
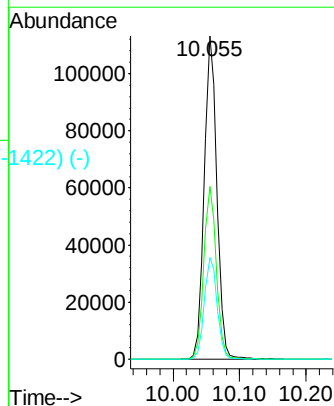
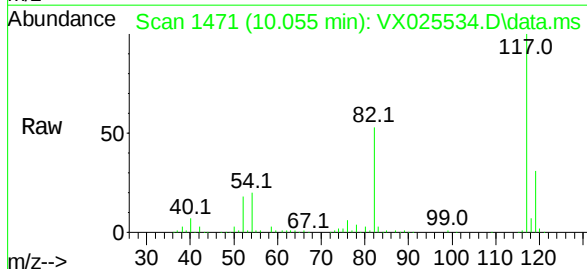
Tgt Ion: 117 Resp: 149600

Ion Ratio Lower Upper

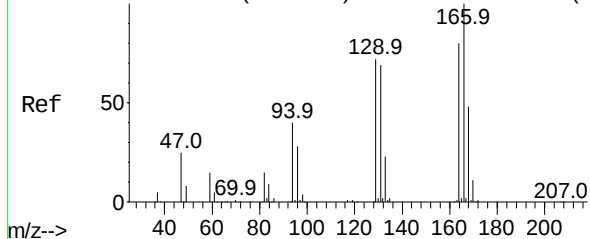
117 100

82 53.4 44.6 67.0

119 31.4 24.8 37.2



Abundance Scan 1343 (9.275 min): VX025183.D\data.ms (-13364)



Tetrachloroethene

Concen: 0.35 ug/l

RT: 9.275 min Scan#

Delta R.T. -0.000 min

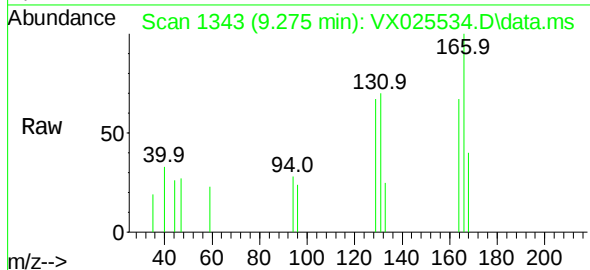
Lab File: VX025534.D

Acq: 04 Dec 2021 20:02

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:164 Resp: 427

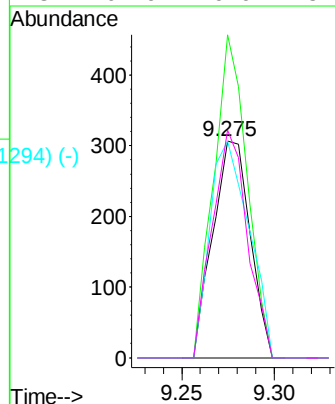
Ion Ratio Lower Upper

164 100

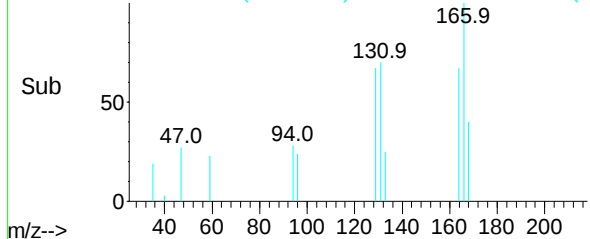
166 148.9 103.2 154.8

129 100.0 81.0 121.4

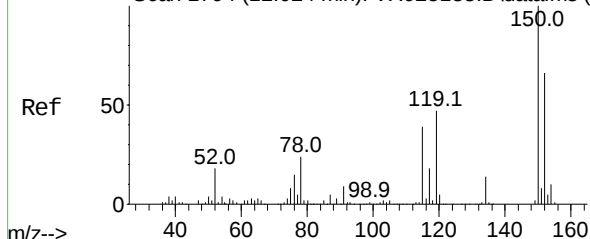
131 104.9 76.6 115.0



Abundance Scan 1343 (9.275 min): VX025534.D\data.ms (-1294) (-)



Abundance Scan 1794 (12.024 min): VX025183.D\data.ms (-1758)



1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX025534.D

Acq: 04 Dec 2021 20:02

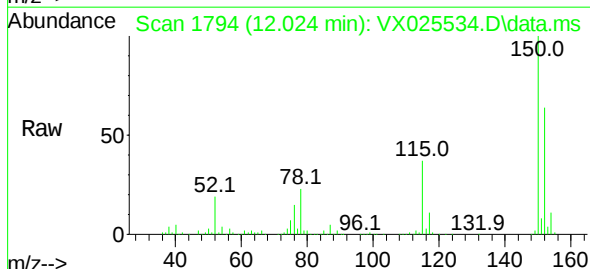
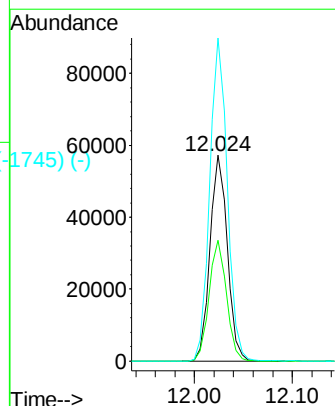
Tgt Ion:152 Resp: 70546

Ion Ratio Lower Upper

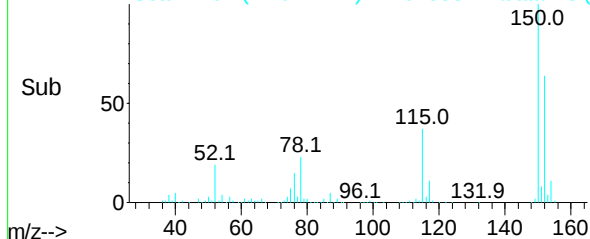
152 100

115 58.6 43.3 129.8

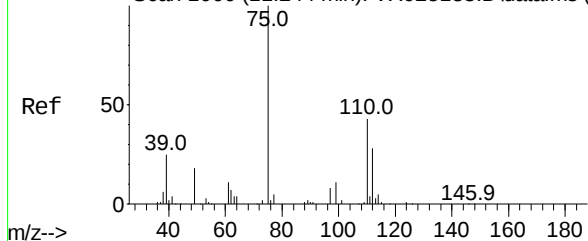
150 158.0 0.0 351.2



Abundance Scan 1794 (12.024 min): VX025534.D\data.ms (-1745) (-)



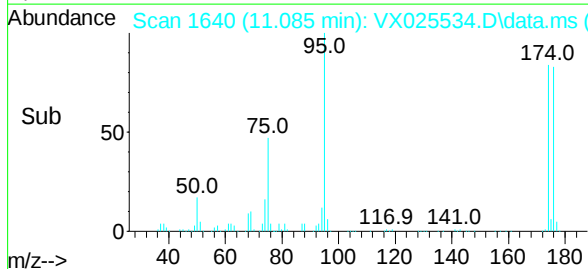
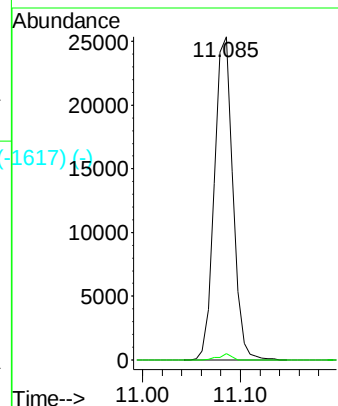
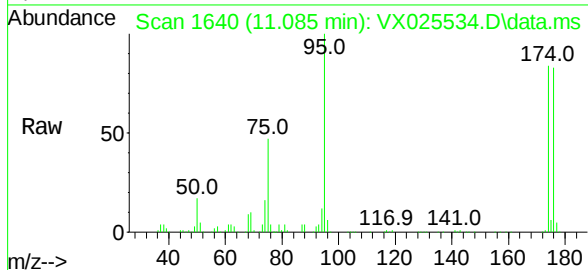
Abundance Scan 1666 (11.244 min): VX025183.D\data.ms (-1675)



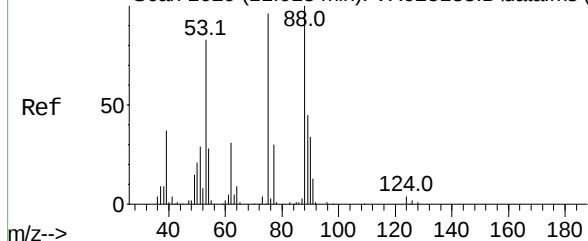
1,2,3-Trichloropropane
Concen: 22.98 ug/l
RT: 11.085 min Scan# 1675
Delta R.T. -0.159 min
Lab File: VX025534.D
Acq: 04 Dec 2021 20:02

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 33197
Ion Ratio Lower Upper
75 100
77 1.3 20.0 59.9#



Abundance Scan 1629 (11.018 min): VX025183.D\data.ms (-1624)



trans-1,4-Dichloro-2-butene
Concen: 57.89 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025534.D
Acq: 04 Dec 2021 20:02

Tgt Ion: 75 Resp: 33197
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#

