

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120421\
 Data File : VX025520.D
 Acq On : 04 Dec 2021 14:34
 Operator : JC/MD
 Sample : M4923-19 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 06 01:02:14 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)

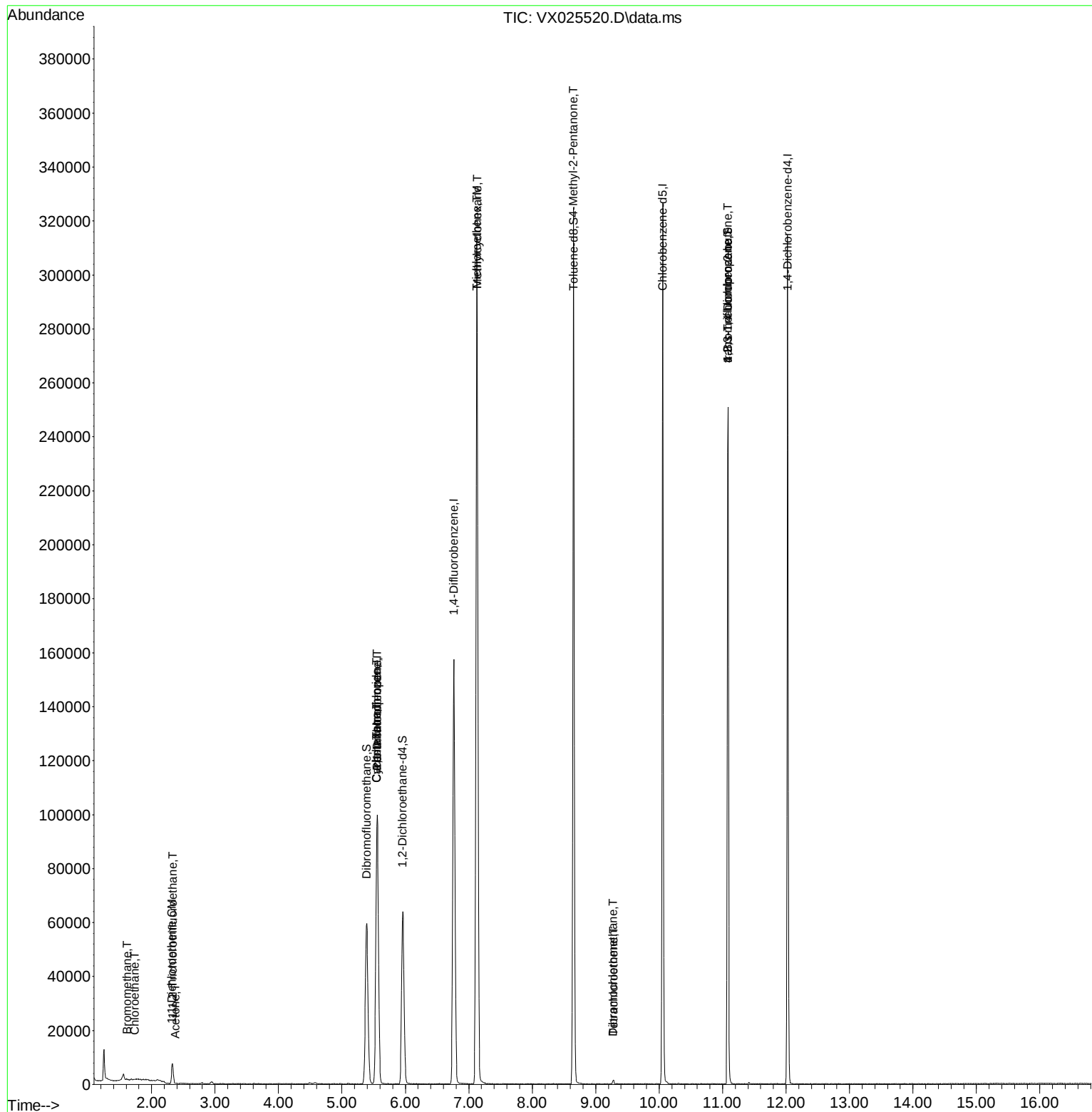
Internal Standards						
1) Pentafluorobenzene	5.556	168	101053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	169468	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66129	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	60170	56.49	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.98%			
35) Dibromofluoromethane	5.391	113	52374	50.37	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.74%			
50) Toluene-d8	8.653	98	195251	49.94	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.88%			
62) 4-Bromofluorobenzene	11.085	95	67439	45.60	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.20%			
Target Compounds						
						Qvalue
5) Bromomethane	1.611	94	200	0.39	ug/l	90
6) Chloroethane	1.733	64	247	0.30	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	2436	2.59	ug/l	97
11) Tert butyl alcohol	2.947	59	610	Below Cal	#	72
12) 1,1-Dichloroethene	2.319	96	629	0.67	ug/l	89
16) Acetone	2.380	43	335	0.57	ug/l #	45
31) Cyclohexane	5.550	56	1760	1.07	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	7029	4.75	ug/l #	50
38) Carbon Tetrachloride	5.550	117	9610	5.90	ug/l #	16
39) Methylcyclohexane	7.135	83	1344	0.71	ug/l #	1
44) Trichloroethene	7.129	130	125030	96.09	ug/l	92
51) 4-Methyl-2-Pentanone	8.647	43	782	0.45	ug/l #	1
60) Dibromochloromethane	9.275	129	290	0.22	ug/l #	11
64) Tetrachloroethene	9.281	164	297	0.24	ug/l #	65
76) 1,2,3-Trichloropropane	11.085	75	32796	24.22	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	32796	61.01	ug/l #	9
95) Naphthalene	13.774	128	33	Below Cal	#	69

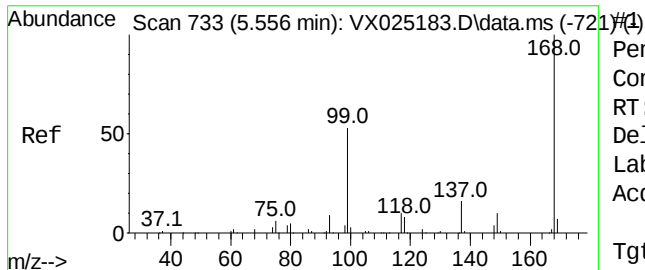
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX025520.D

Acq: 04 Dec 2021 14:34

Instrument :

MSVOA_X

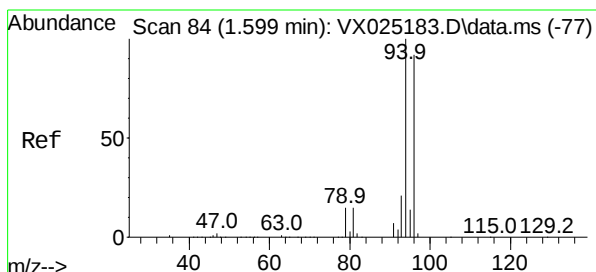
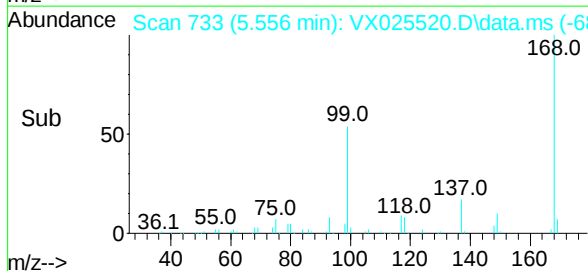
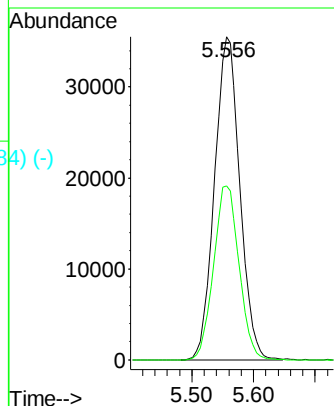
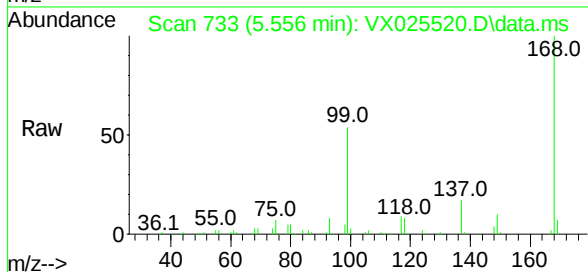
ClientSampleId :

Tgt Ion:168 Resp: 101053

Ion Ratio Lower Upper

168 100

99 53.9 46.4 69.6



Bromomethane

Concen: 0.39 ug/l

RT: 1.611 min Scan# 86

Delta R.T. 0.012 min

Lab File: VX025520.D

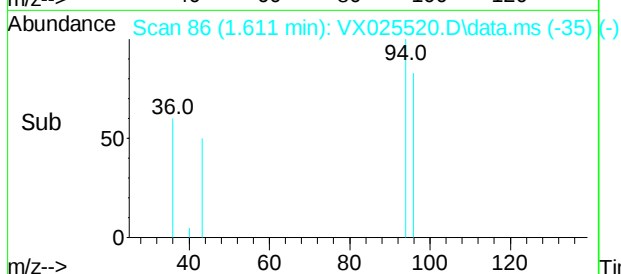
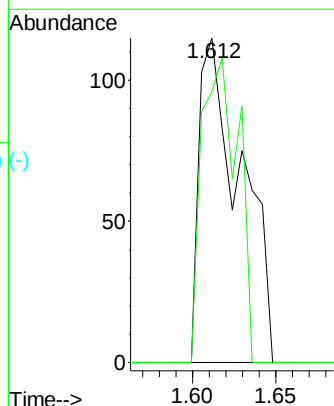
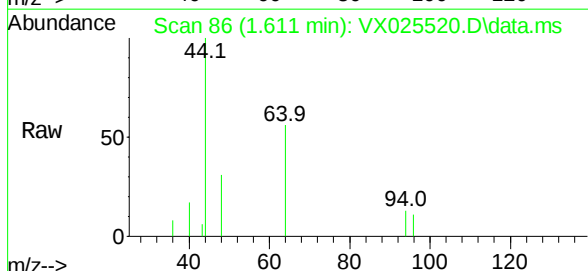
Acq: 04 Dec 2021 14:34

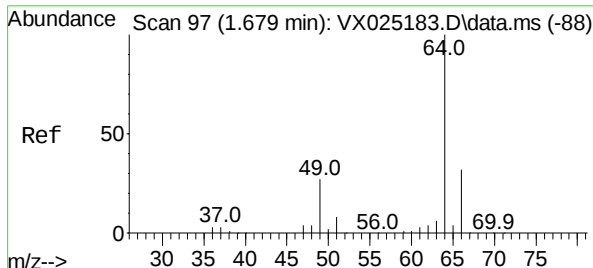
Tgt Ion: 94 Resp: 200

Ion Ratio Lower Upper

94 100

96 83.5 74.8 112.2





Chloroethane

Concen: 0.30 ug/l

RT: 1.733 min Scan#

Delta R.T. 0.054 min

Lab File: VX025520.D

Acq: 04 Dec 2021 14:34

Instrument :

MSVOA_X

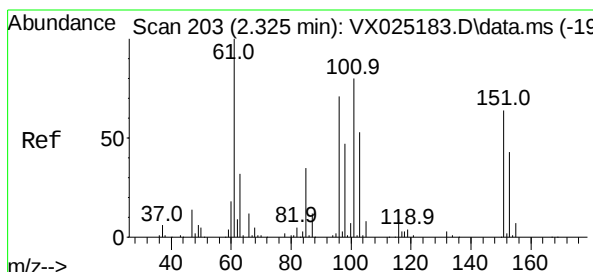
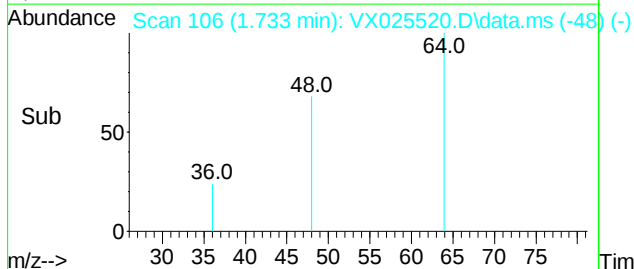
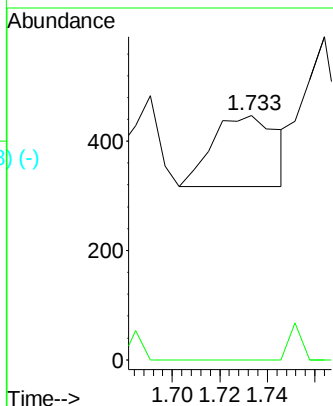
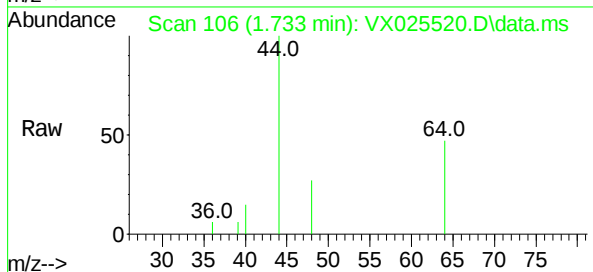
ClientSampleId :

Tgt Ion: 64 Resp: 247

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



1,1,2-Trichlorotrifluoroethane

Concen: 2.59 ug/l

RT: 2.331 min Scan# 204

Delta R.T. 0.006 min

Lab File: VX025520.D

Acq: 04 Dec 2021 14:34

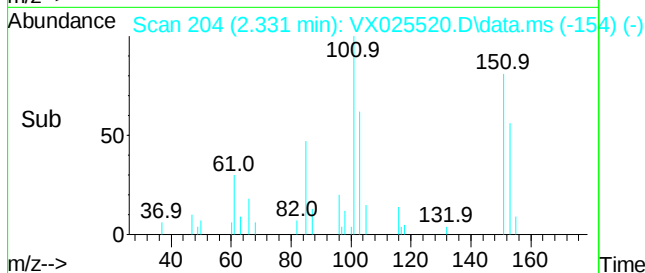
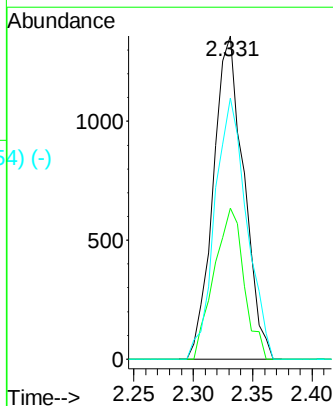
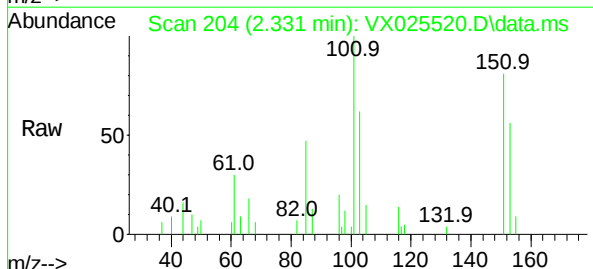
Tgt Ion:101 Resp: 2436

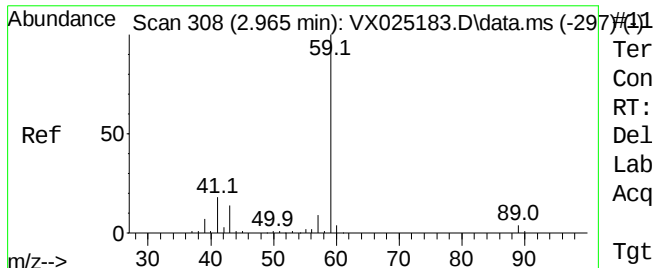
Ion Ratio Lower Upper

101 100

85 45.7 35.9 53.9

151 84.5 64.4 96.6

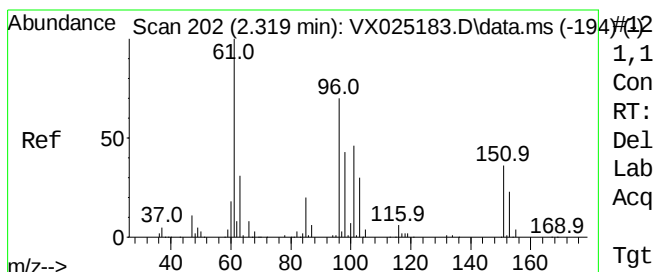
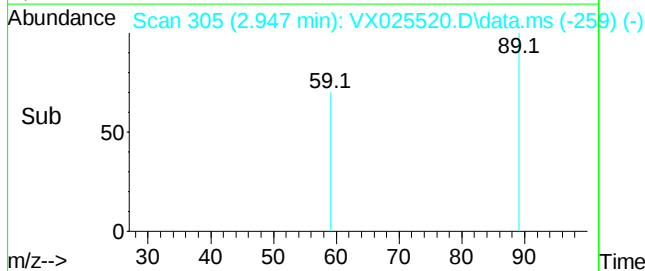
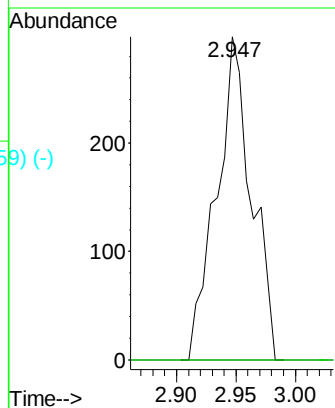
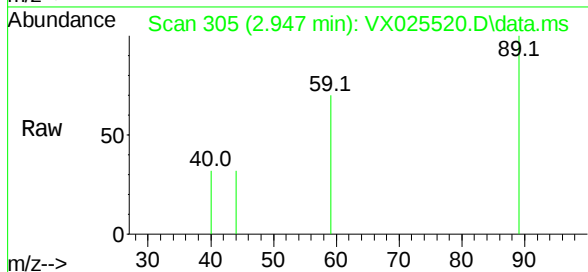




Tert butyl alcohol
 Concen: Below Cal
 RT: 2.947 min Scan# 41
 Delta R.T. -0.018 min
 Lab File: VX025520.D
 Acq: 04 Dec 2021 14:34

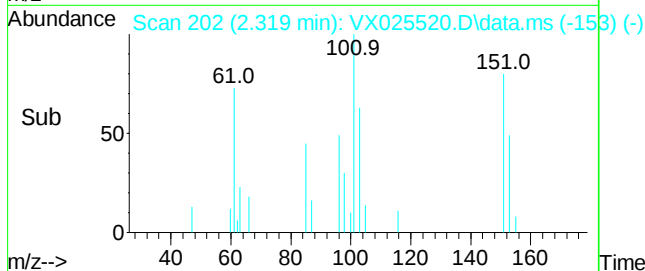
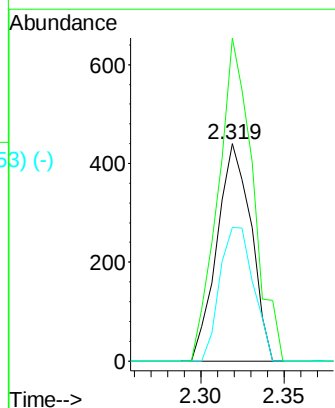
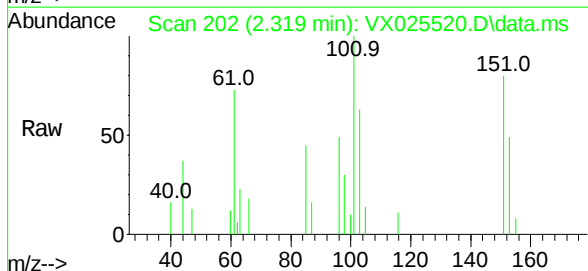
Instrument :
 MSVOA_X
 ClientSampleId :

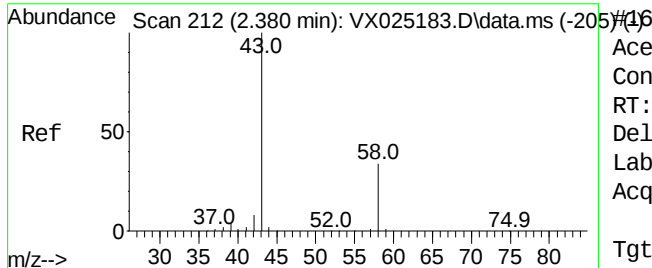
Tgt Ion: 59 Resp: 610
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#



1,1-Dichloroethene
 Concen: 0.67 ug/l
 RT: 2.319 min Scan# 202
 Delta R.T. -0.000 min
 Lab File: VX025520.D
 Acq: 04 Dec 2021 14:34

Tgt Ion: 96 Resp: 629
 Ion Ratio Lower Upper
 96 100
 61 148.6 134.1 201.1
 98 61.4 51.5 77.3





#16

Acetone

Concen: 0.57 ug/l

RT: 2.380 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX025520.D

Acq: 04 Dec 2021 14:34

Instrument :

MSVOA_X

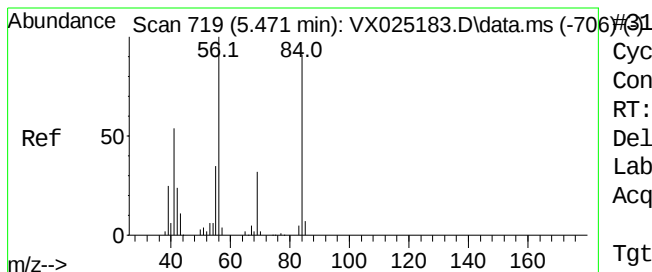
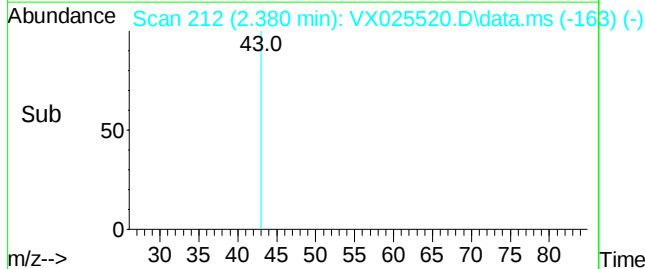
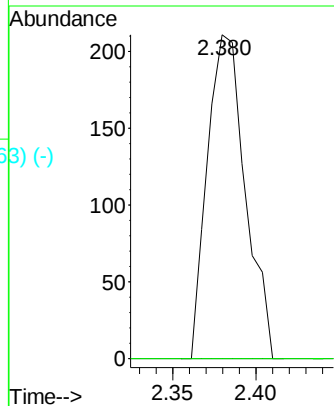
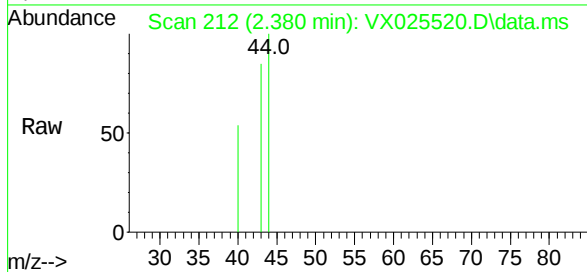
ClientSampleId :

Tgt Ion: 43 Resp: 335

Ion Ratio Lower Upper

43 100

58 0.0 24.0 36.0#



#31

Cyclohexane

Concen: 1.07 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX025520.D

Acq: 04 Dec 2021 14:34

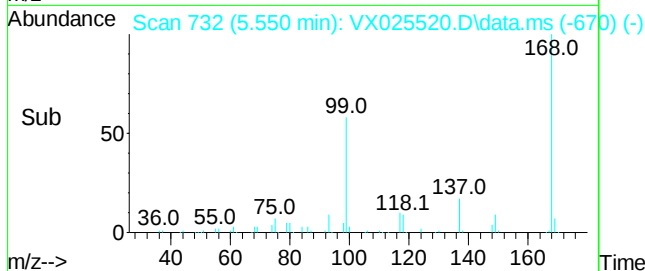
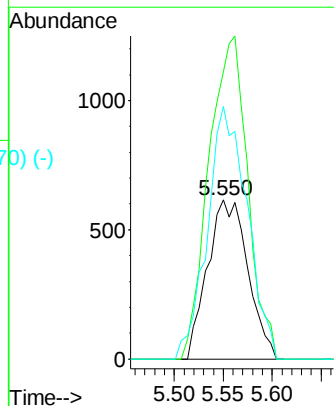
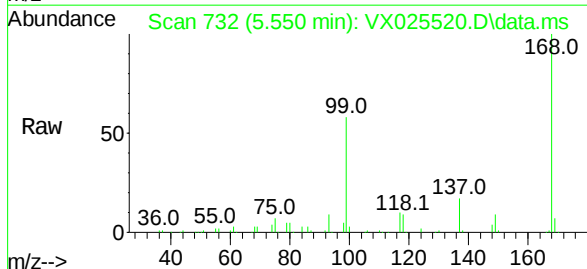
Tgt Ion: 56 Resp: 1760

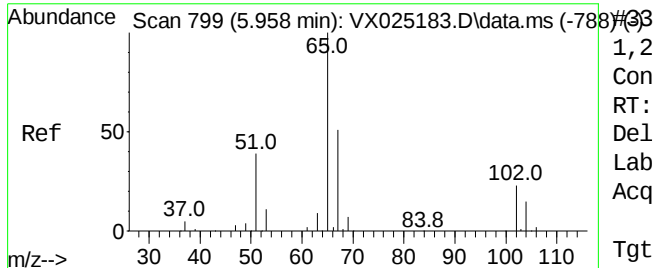
Ion Ratio Lower Upper

56 100

69 180.4 24.2 36.2#

84 158.6 71.5 107.3#

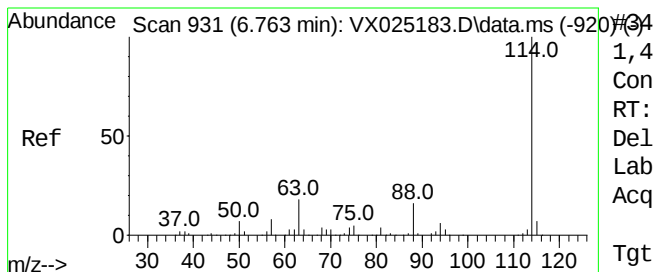
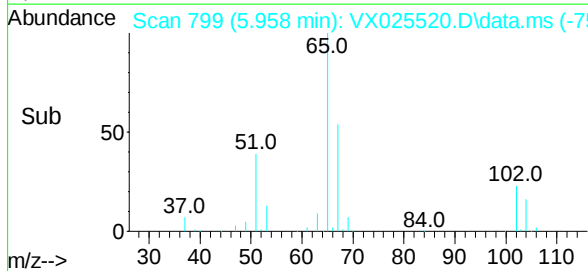
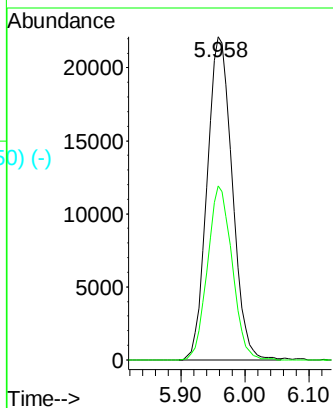
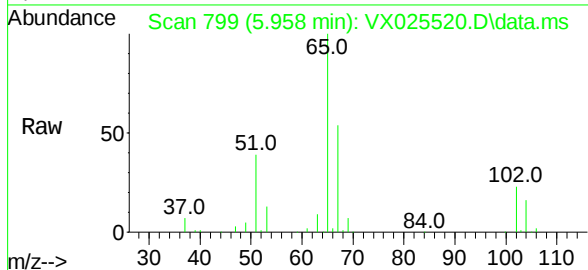




1,2-Dichloroethane-d4
 Concen: 56.49 ug/l
 RT: 5.958 min Scan#
 Delta R.T. 0.000 min
 Lab File: VX025520.D
 Acq: 04 Dec 2021 14:34

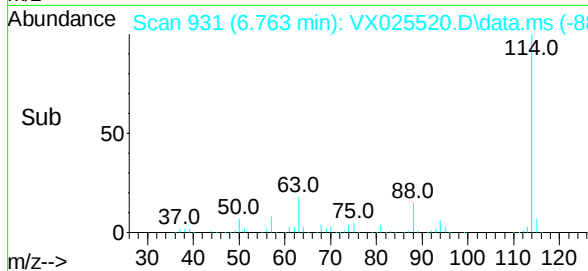
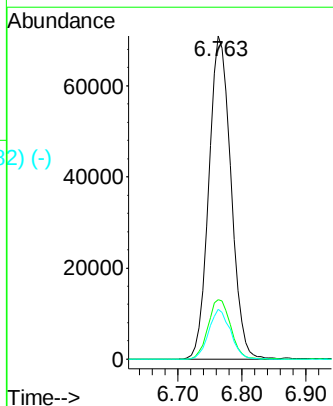
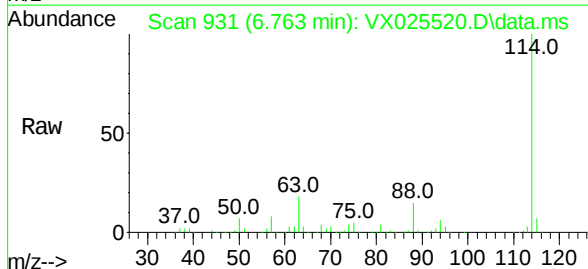
Instrument :
 MSVOA_X
 ClientSampleId :

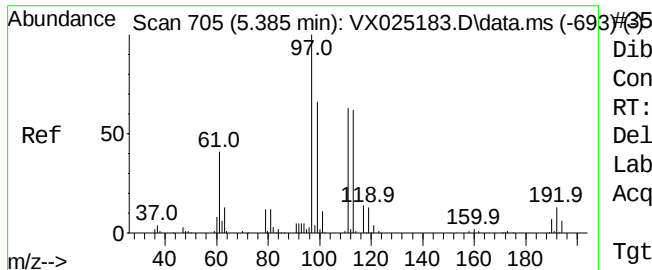
Tgt Ion: 65 Resp: 60170
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 101.0



1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX025520.D
 Acq: 04 Dec 2021 14:34

Tgt Ion: 114 Resp: 169468
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 41.0
 88 15.4 0.0 34.8

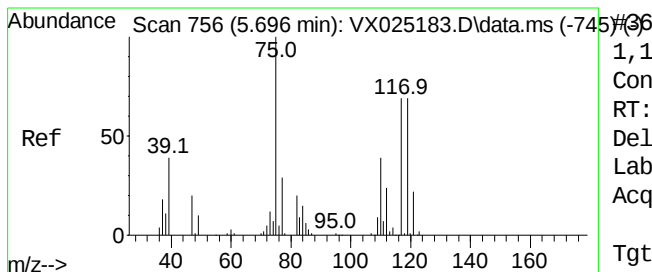
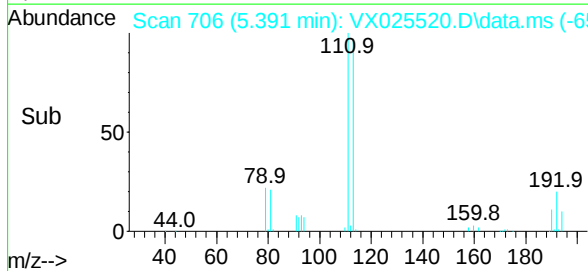
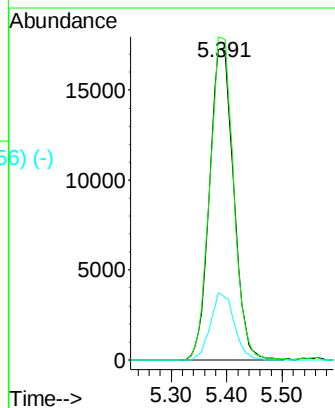
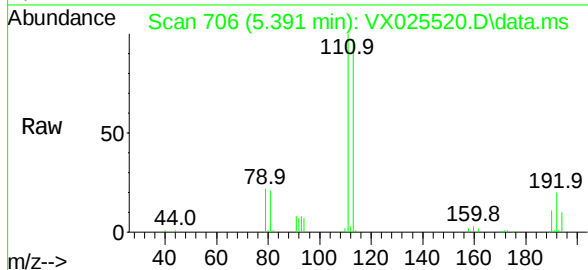




Dibromofluoromethane
Concen: 50.37 ug/l
RT: 5.391 min Scan#
Delta R.T. 0.006 min
Lab File: VX025520.D
Acq: 04 Dec 2021 14:34

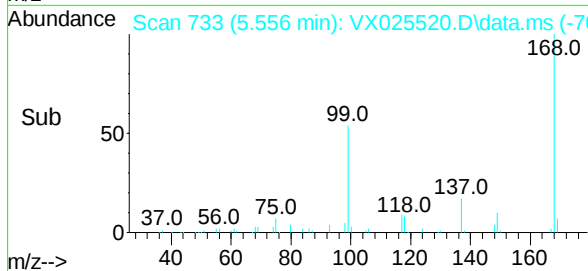
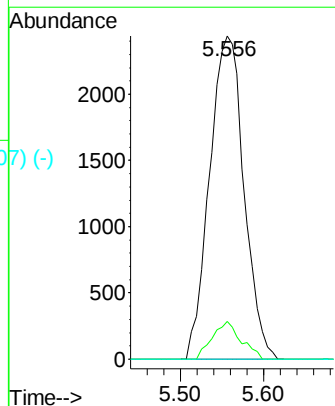
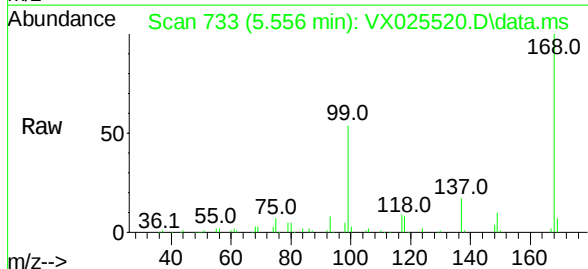
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:113 Resp: 52374
Ion Ratio Lower Upper
113 100
111 102.1 82.1 123.1
192 21.1 15.6 23.4



1,1-Dichloropropene
Concen: 4.75 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX025520.D
Acq: 04 Dec 2021 14:34

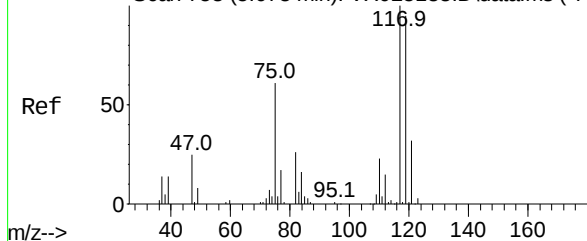
Tgt Ion: 75 Resp: 7029
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.3#
77 0.0 24.4 36.6#



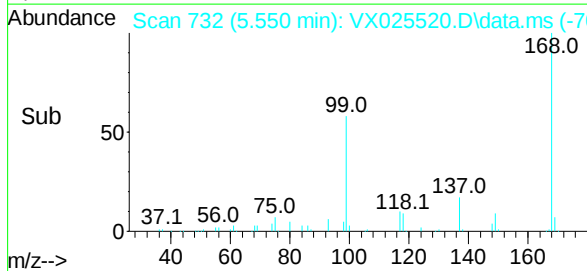
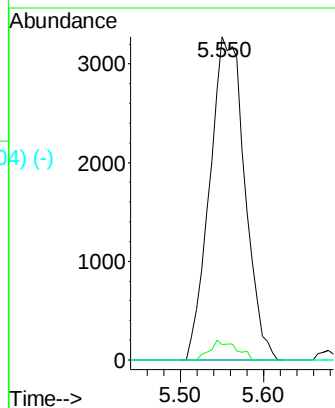
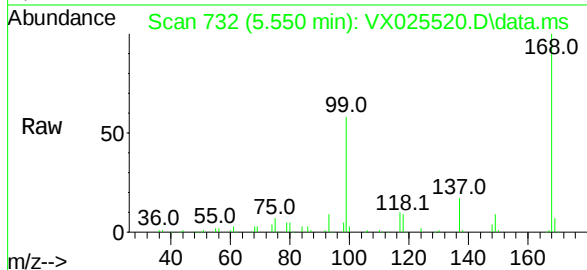
Abundance Scan 753 (5.678 min): VX025183.D\data.ms (-742) #38

Carbon Tetrachloride
Concen: 5.90 ug/l
RT: 5.550 min Scan#
Delta R.T. -0.128 min
Lab File: VX025520.D
Acq: 04 Dec 2021 14:34

Instrument :
MSVOA_X
ClientSampleId :



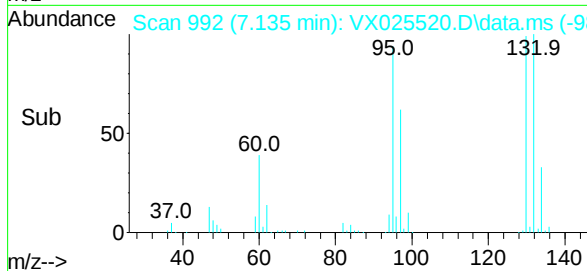
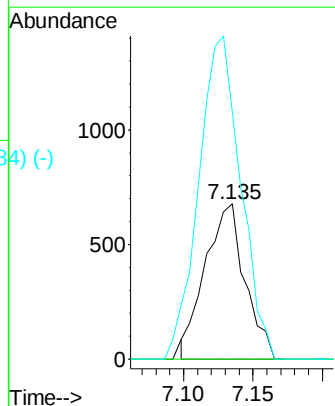
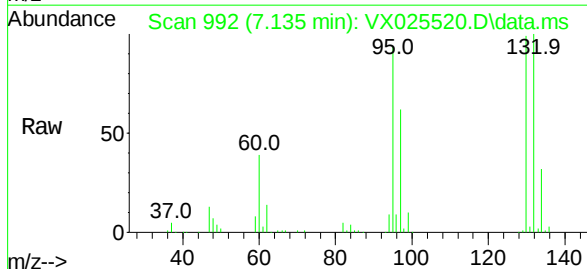
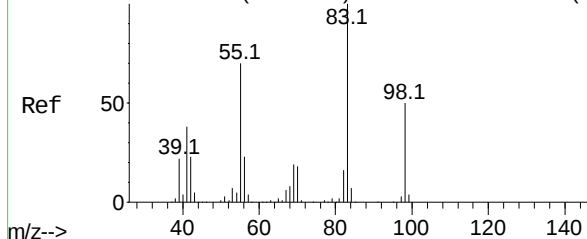
Tgt Ion:117 Resp: 9610
Ion Ratio Lower Upper
117 100
119 4.6 75.6 113.4#
121 0.0 23.7 35.5#



Abundance Scan 1033 (7.385 min): VX025183.D\data.ms (-1022) #39

Methylcyclohexane
Concen: 0.71 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX025520.D
Acq: 04 Dec 2021 14:34

Tgt Ion: 83 Resp: 1344
Ion Ratio Lower Upper
83 100
55 0.0 60.8 91.2#
98 159.0 37.0 55.4#



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

Trichloroethene

Concen: 96.09 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

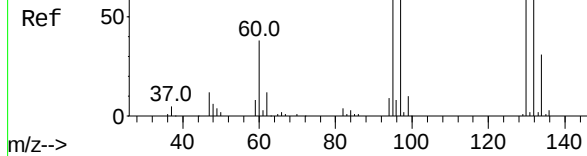
Lab File: VX025520.D

Acq: 04 Dec 2021 14:34

Instrument :

MSVOA_X

ClientSampleId :

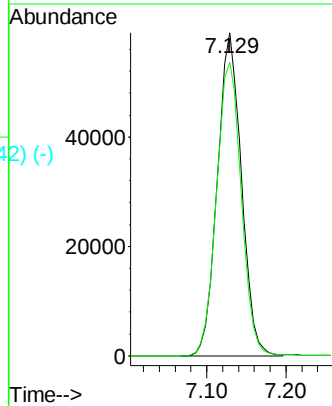
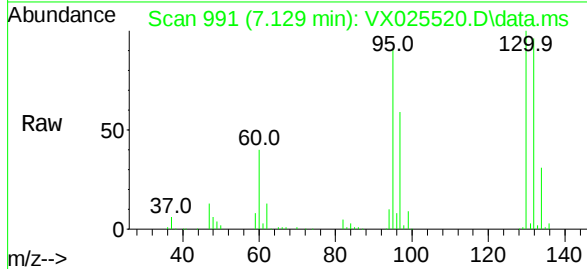


Tgt Ion:130 Resp: 125030

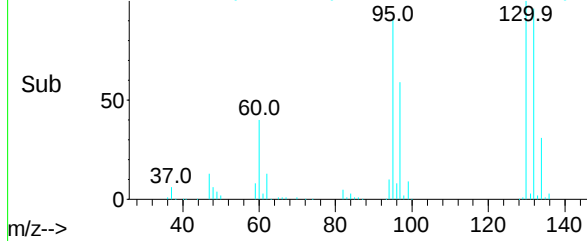
Ion Ratio Lower Upper

130 100

95 90.8 0.0 196.8



Abundance Scan 991 (7.129 min): VX025520.D\data.ms (-942) (-)



Abundance Scan 1241 (8.653 min): VX025183.D\data.ms (-1235) (-)

Toluene-d8

Concen: 49.94 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025520.D

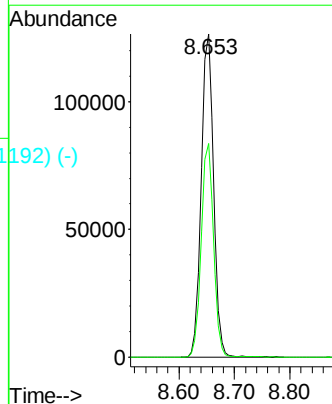
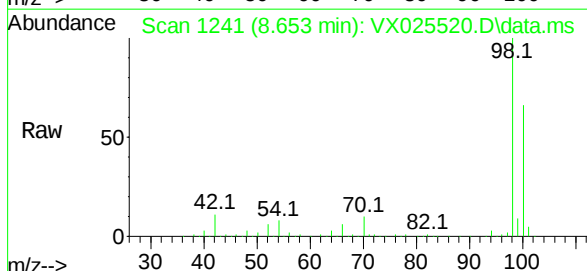
Acq: 04 Dec 2021 14:34

Tgt Ion: 98 Resp: 195251

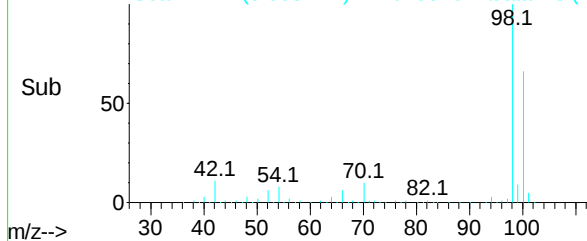
Ion Ratio Lower Upper

98 100

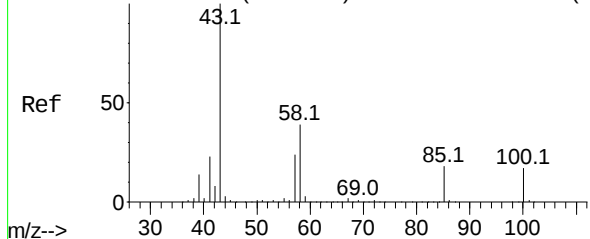
100 66.2 51.4 77.0



Abundance Scan 1241 (8.653 min): VX025520.D\data.ms (-1192) (-)



Abundance Scan 1228 (8.574 min): VX025183.D\data.ms (-12281-)



4-Methyl-2-Pentanone

Concen: 0.45 ug/l

RT: 8.647 min Scan#

Delta R.T. 0.073 min

Lab File: VX025520.D

Acq: 04 Dec 2021 14:34

Instrument :

MSVOA_X

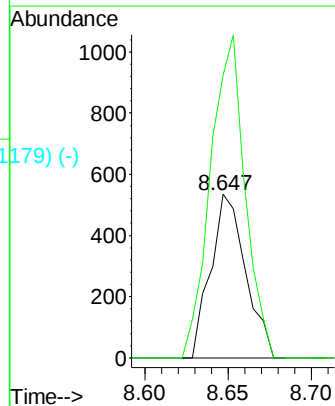
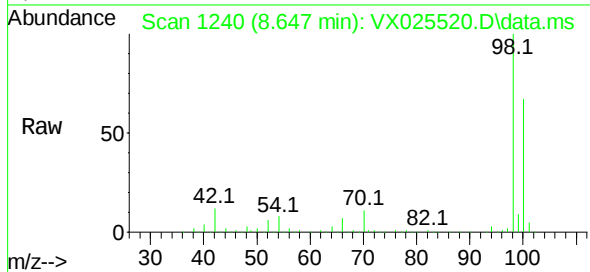
ClientSampleId :

Tgt Ion: 43 Resp: 782

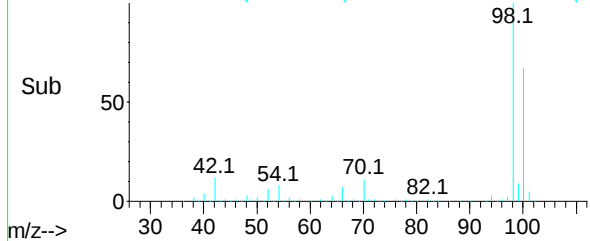
Ion Ratio Lower Upper

43 100

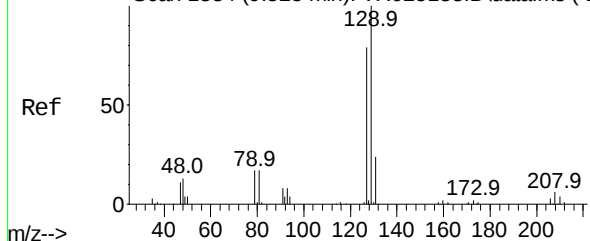
58 195.3 30.9 46.3#



Abundance Scan 1240 (8.647 min): VX025520.D\data.ms (-1179) (-)



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



Dibromochloromethane

Concen: 0.22 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX025520.D

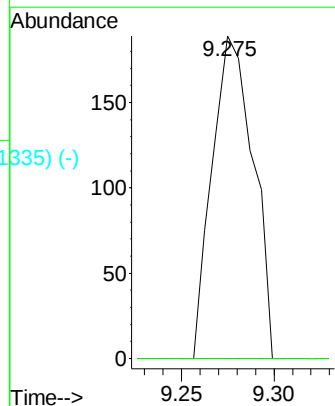
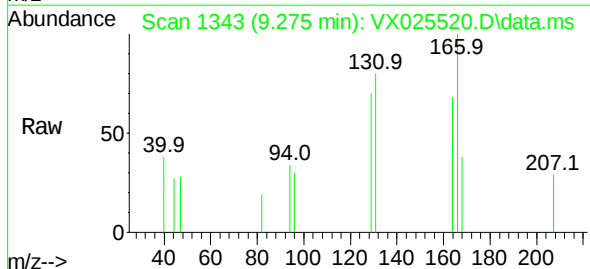
Acq: 04 Dec 2021 14:34

Tgt Ion:129 Resp: 290

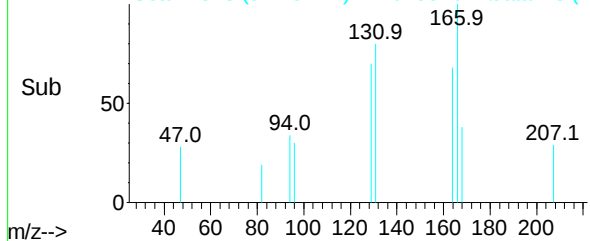
Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#



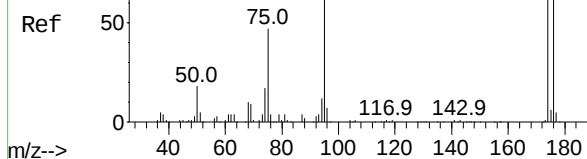
Abundance Scan 1343 (9.275 min): VX025520.D\data.ms (-1335) (-)



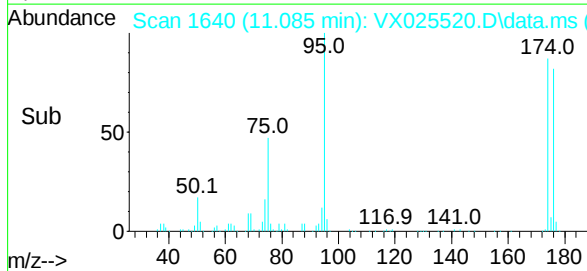
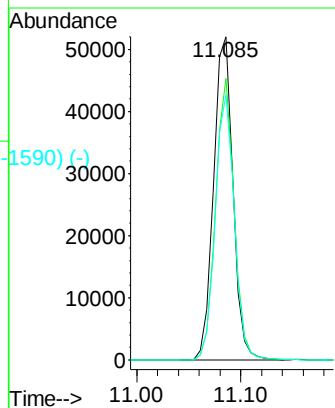
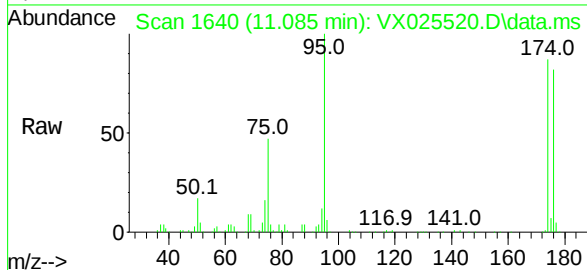
Abundance Scan 1639 (11.079 min): VX025183.D\data.ms (-1639) (-)

4-Bromofluorobenzene
Concen: 45.60 ug/l
RT: 11.085 min Scan# 1639
Delta R.T. 0.006 min
Lab File: VX025520.D
Acq: 04 Dec 2021 14:34

Instrument :
MSVOA_X
ClientSampleId :

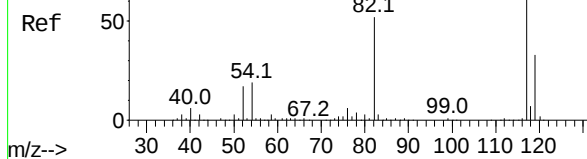


Tgt Ion:	95	Resp:	67439
Ion	Ratio	Lower	Upper
95	100		
174	84.3	0.0	158.0
176	81.0	0.0	153.6

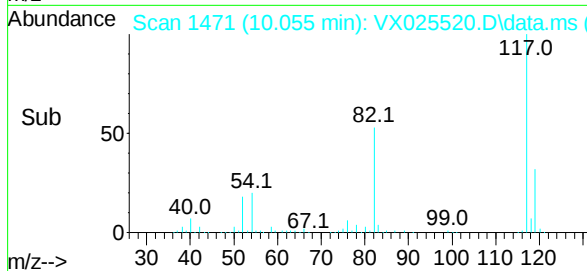
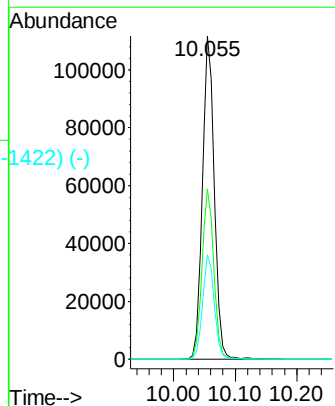
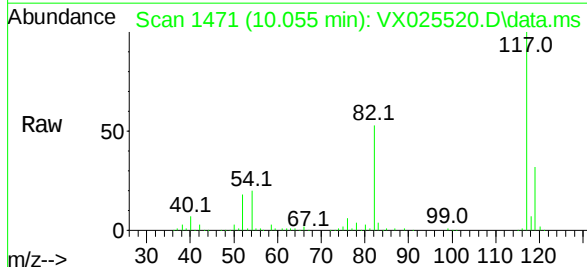


Abundance Scan 1471 (10.055 min): VX025183.D\data.ms (-1469) (-)

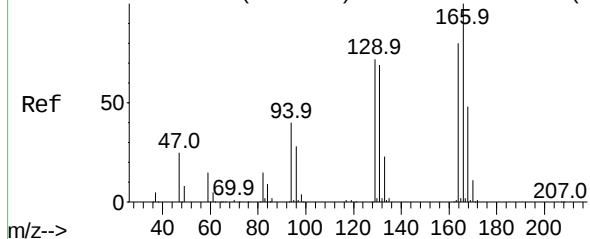
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025520.D
Acq: 04 Dec 2021 14:34



Tgt Ion:	117	Resp:	151356
Ion	Ratio	Lower	Upper
117	100		
82	52.7	44.6	67.0
119	32.3	24.8	37.2



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



Tetrachloroethene

Concen: 0.24 ug/l

RT: 9.281 min Scan#

Delta R.T. 0.006 min

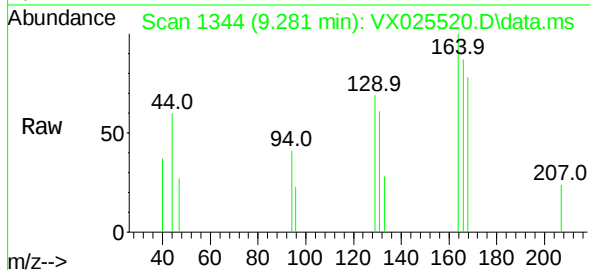
Lab File: VX025520.D

Acq: 04 Dec 2021 14:34

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:164 Resp: 297

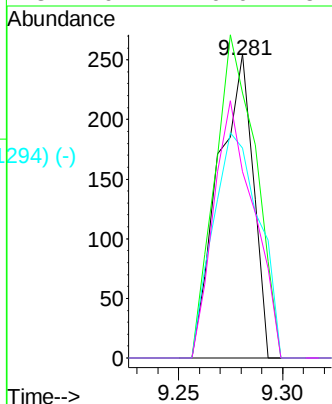
Ion Ratio Lower Upper

164 100

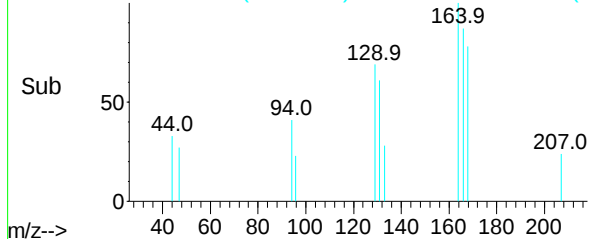
166 87.1 103.2 154.8#

129 69.0 81.0 121.4#

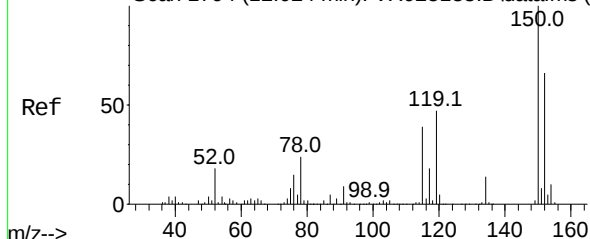
131 61.2 76.6 115.0#



Abundance Scan 1344 (9.281 min): VX025520.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: VX025520.D

Acq: 04 Dec 2021 14:34

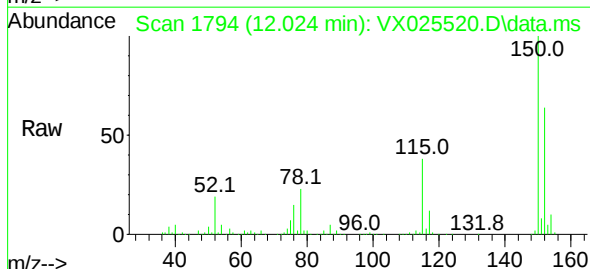
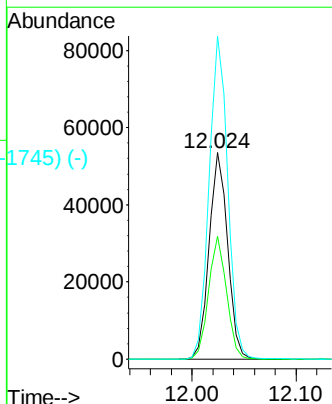
Tgt Ion:152 Resp: 66129

Ion Ratio Lower Upper

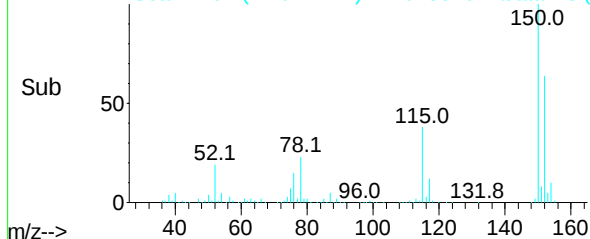
152 100

115 57.6 43.3 129.8

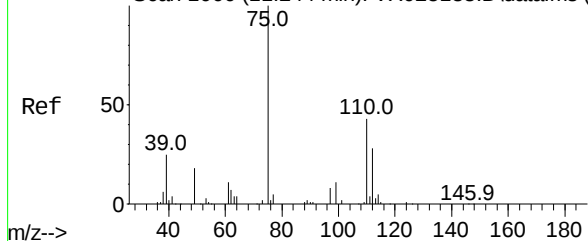
150 157.0 0.0 351.2



Abundance Scan 1794 (12.024 min): VX025520.D\data.ms (-1745) (-)



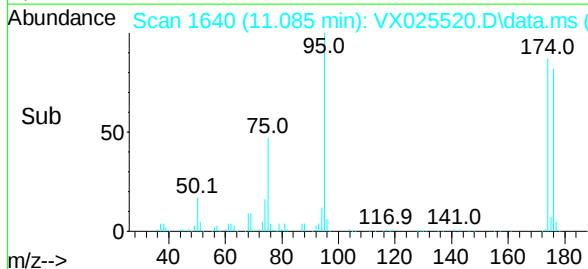
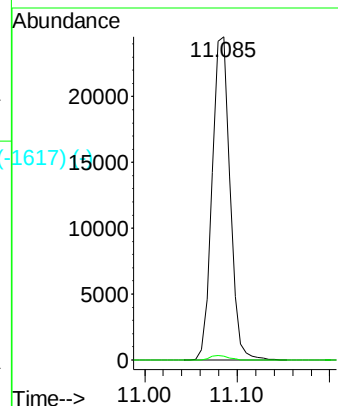
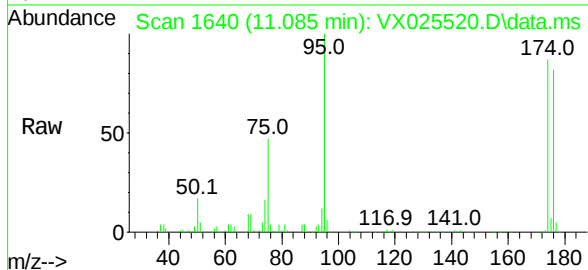
Abundance Scan 1666 (11.244 min): VX025183.D\data.ms (-1675)



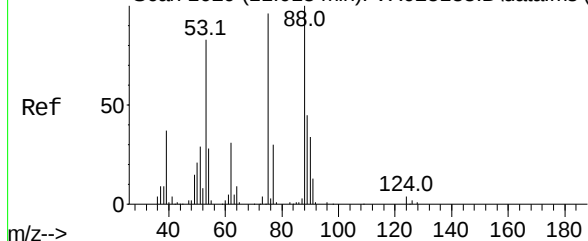
1,2,3-Trichloropropane
Concen: 24.22 ug/l
RT: 11.085 min Scan# 1675
Delta R.T. -0.159 min
Lab File: VX025520.D
Acq: 04 Dec 2021 14:34

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 32796
Ion Ratio Lower Upper
75 100
77 1.3 20.0 59.9#

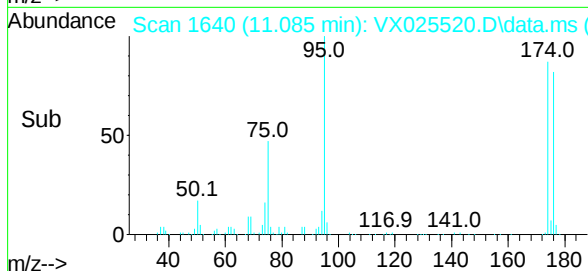
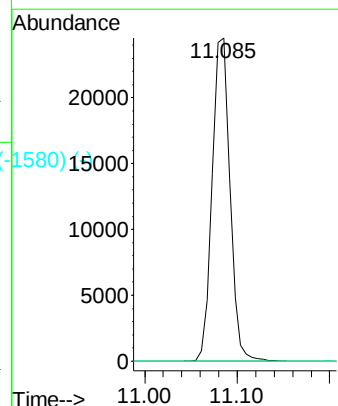
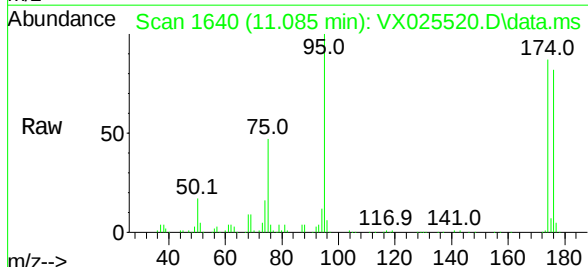


Abundance Scan 1629 (11.018 min): VX025183.D\data.ms (-1624)



trans-1,4-Dichloro-2-butene
Concen: 61.01 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025520.D
Acq: 04 Dec 2021 14:34

Tgt Ion: 75 Resp: 32796
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 (-2033) (-)

Naphthalene

Concen: Below Cal

RT: 13.774 min Scan# 1

Delta R.T. -0.006 min

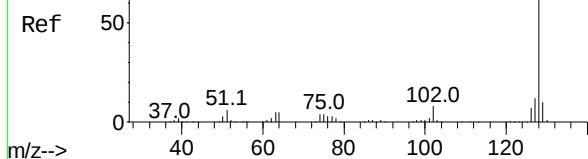
Lab File: VX025520.D

Acq: 04 Dec 2021 14:34

Instrument :

MSVOA_X

ClientSampleId :



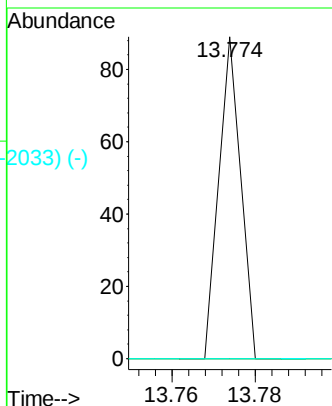
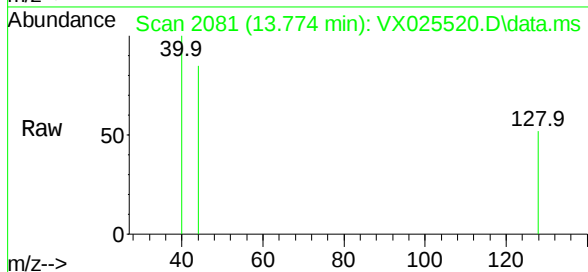
Tgt Ion:128 Resp: 33

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.8 13.2#



Abundance Scan 2081 (13.774 min): VX025520.D\data.ms (-2033) (-)

