

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011620\
 Data File : VX014636.D
 Acq On : 16 Jan 2020 14:24
 Operator : JC/SP
 Sample : L1135-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 REP-011420

Quant Time: Jan 17 05:55:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	78321	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	421753	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	371792	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	172313	31.30	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.33%
60) 4-Bromofluorobenzene	11.13	95	160728	27.02	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.07%
63) Toluene-d8	8.71	98	503435	29.98	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.93%

Target Compounds

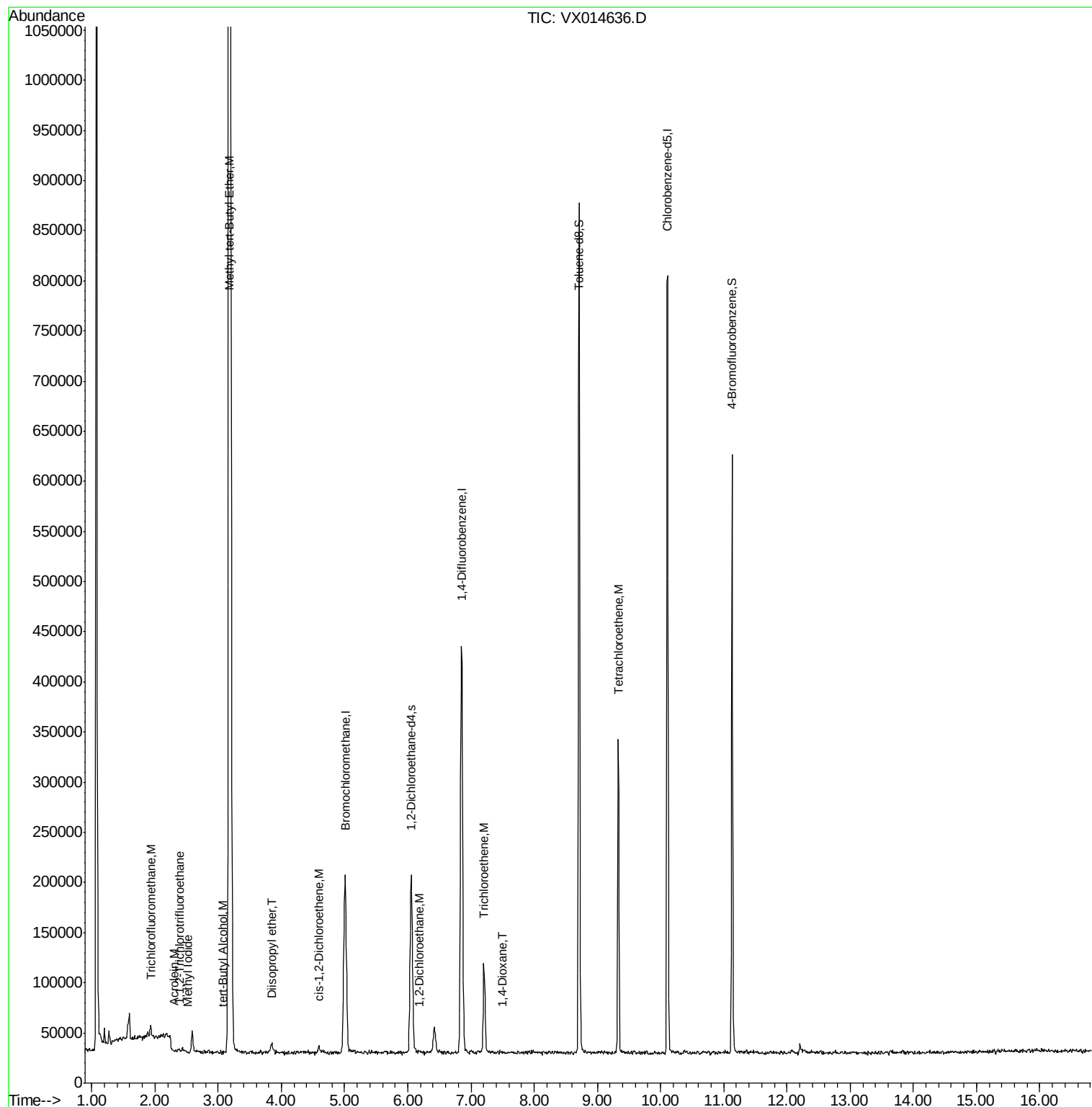
					Ovalue
7) Trichlorofluoromethane	1.93	101	6591	0.895 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	988	0.229 ug/l	82
11) Methyl Iodide	2.51	142	1593	0.274 ug/l #	83
13) Acrolein	2.30	56	204	0.248 ug/l	91
20) Diisopropyl ether	3.84	45	9903	0.624 ug/l #	87
22) cis-1,2-Dichloroethene	4.59	96	4640	0.865 ug/l #	89
23) tert-Butyl Alcohol	3.06	59	316	0.285 ug/l #	1
24) Methyl tert-Butyl Ether	3.18	73	2756409	191.031 ug/l	99
36) 1,2-Dichloroethane	6.18	62	2082	0.313 ug/l #	88
37) Trichloroethene	7.20	130	36978	7.066 ug/l	96
45) 1,4-Dioxane	7.49	88	320	2.796 ug/l	91
61) Tetrachloroethene	9.33	164	62751	11.419 ug/l	99

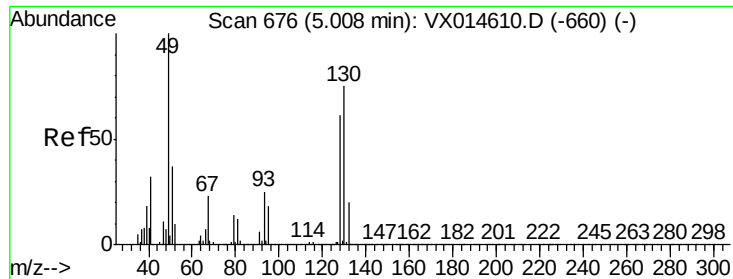
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011620\
Data File : VX014636.D
Acq On : 16 Jan 2020 14:24
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Sample : L1135-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
REP-011420

Quant Time: Jan 17 05:55:40 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 15 12:41:12 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014636.D

Acq: 16 Jan 2020 14:24

Instrument :

MSVOA_X

ClientSampleId :

REP-011420

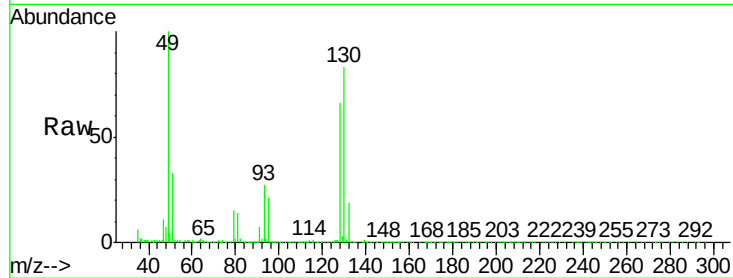
Tot Ion:128 Resp: 78321

Ion Ratio Lower Upper

128 100

49 159.2 0.0 405.0

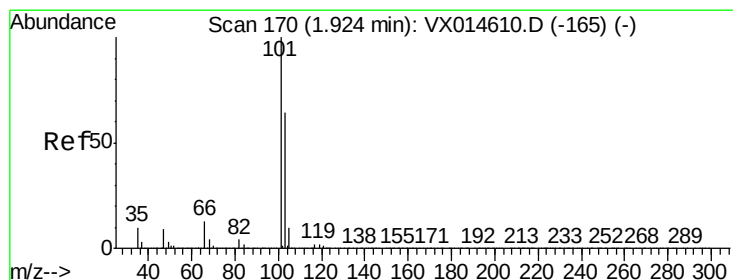
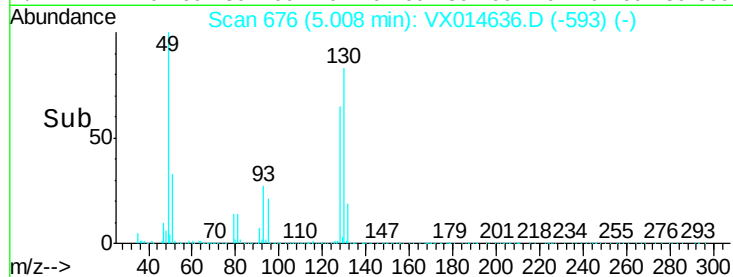
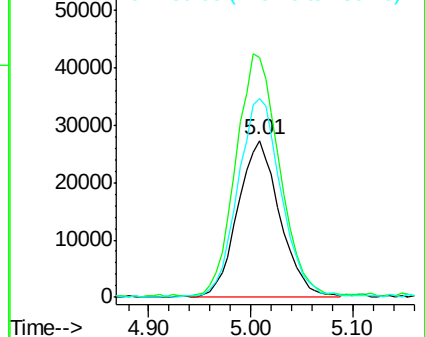
130 130.8 0.0 321.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#7

Trichlorofluoromethane

Concen: 0.895 ug/l

RT: 1.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VX014636.D

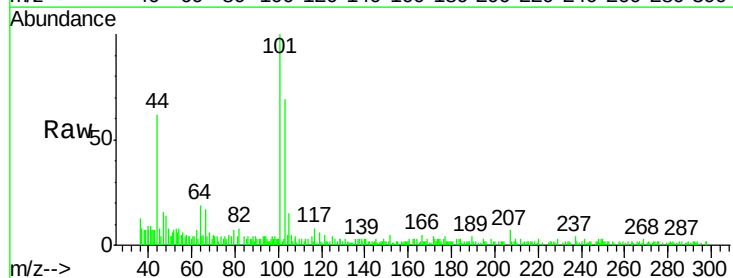
Acq: 16 Jan 2020 14:24

Tgt Ion:101 Resp: 6591

Ion Ratio Lower Upper

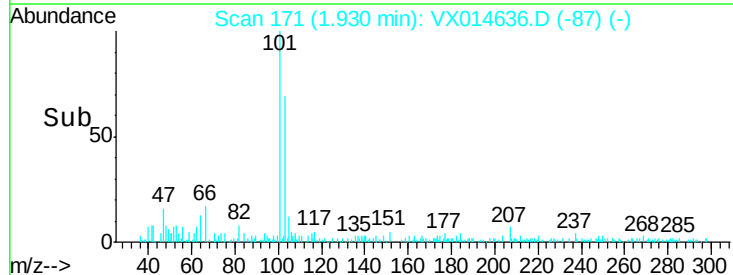
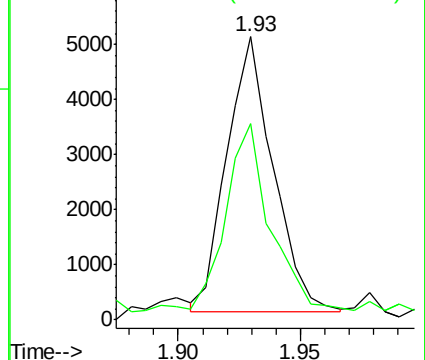
101 100

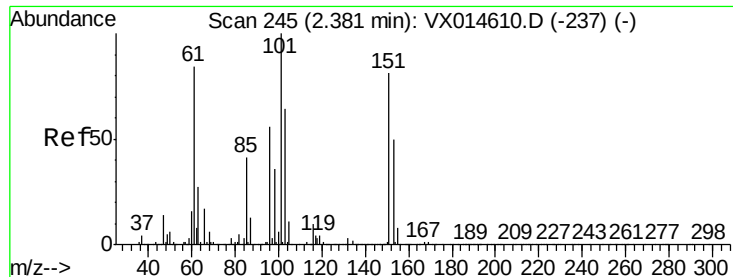
103 68.0 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.229 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX014636.D

Acq: 16 Jan 2020 14:24

Instrument :

MSVOA_X

ClientSampleId :

REP-011420

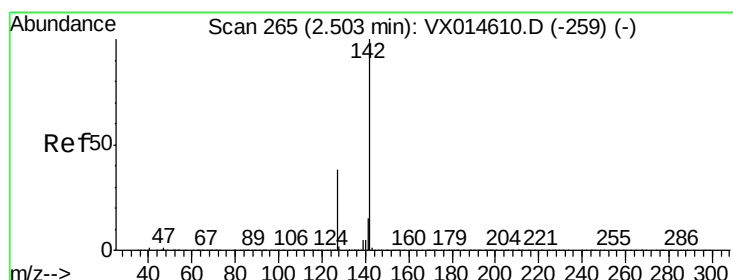
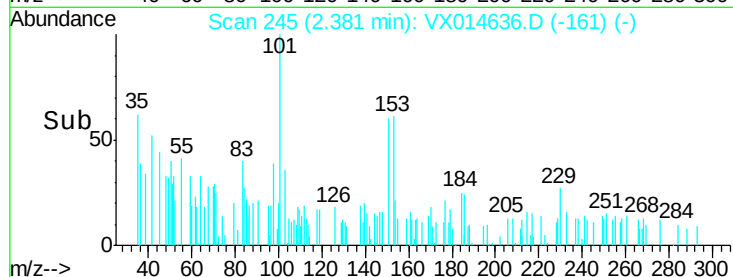
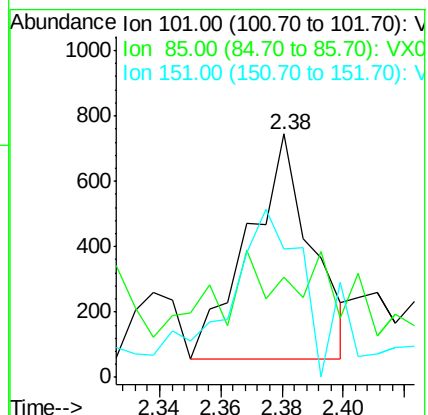
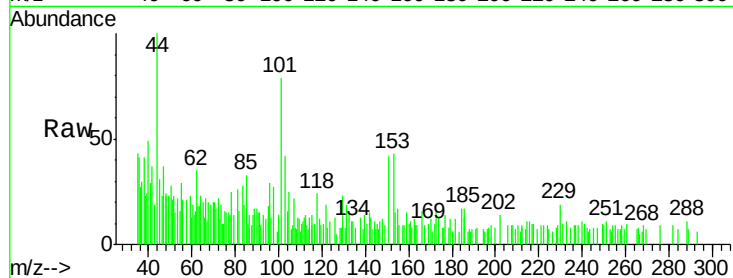
Tot Ion:101 Resp: 988

Ion Ratio Lower Upper

101 100

85 16.1 0.0 85.6

151 84.7 0.0 159.4



#11

Methyl Iodide

Concen: 0.274 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX014636.D

Acq: 16 Jan 2020 14:24

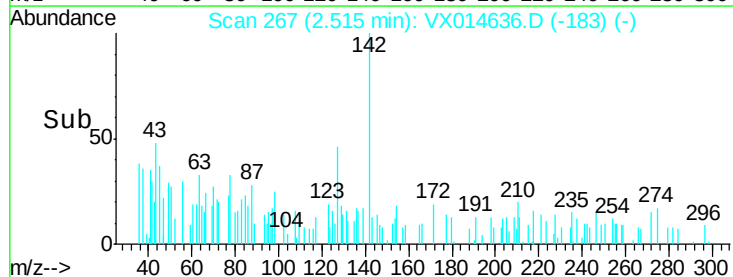
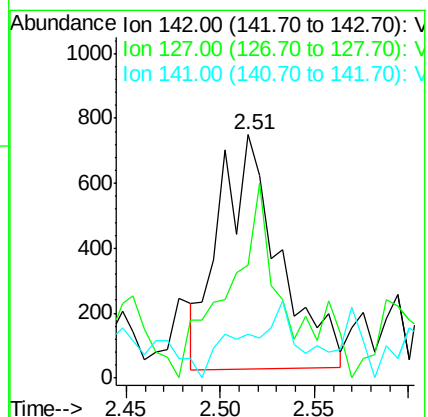
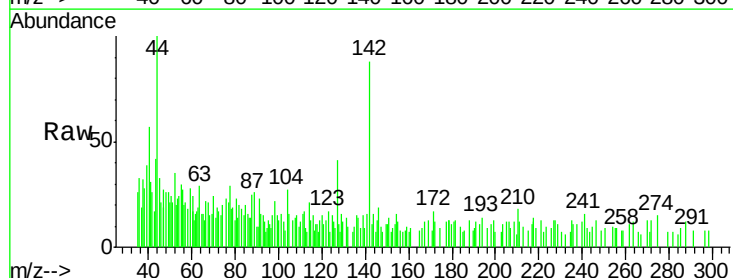
Tgt Ion:142 Resp: 1593

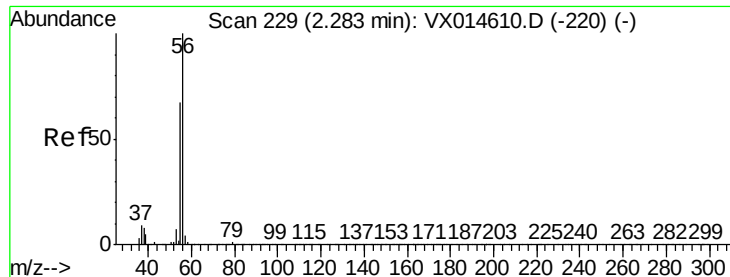
Ion Ratio Lower Upper

142 100

127 31.4 19.5 58.5

141 1.3 7.0 20.9#





#13

Acrolein

Concen: 0.248 ug/l

RT: 2.30 min Scan# 232

Delta R.T. 0.02 min

Lab File: VX014636.D

Acq: 16 Jan 2020 14:24

Instrument :

MSVOA_X

ClientSampled :

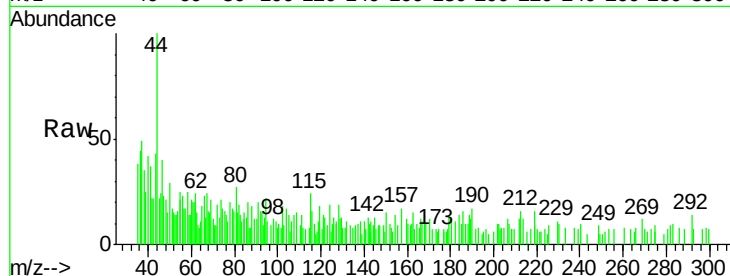
REP-011420

Tot Ion: 56 Resp: 204

Ion Ratio Lower Upper

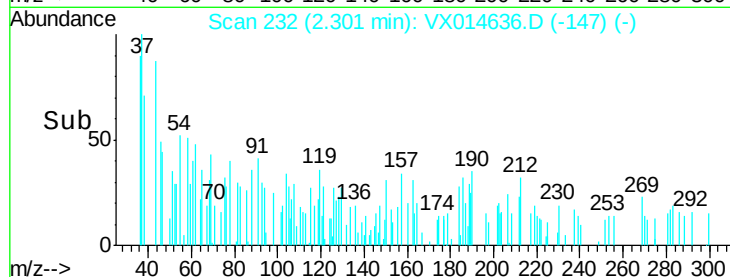
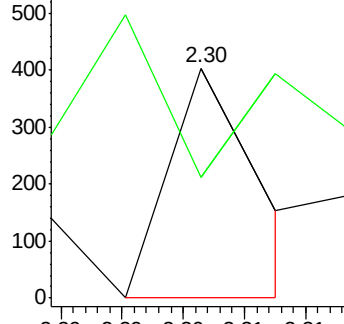
56 100

55 76.0 54.9 82.3

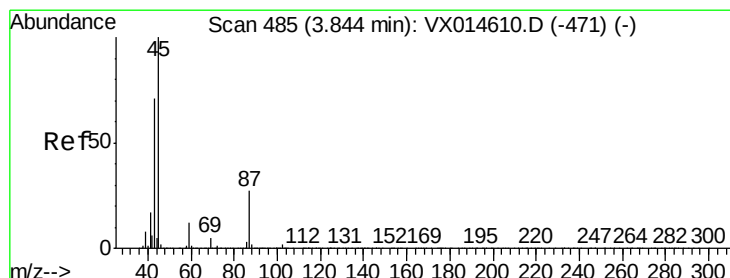


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#20

Diisopropyl ether

Concen: 0.624 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX014636.D

Acq: 16 Jan 2020 14:24

Tgt Ion: 45 Resp: 9903

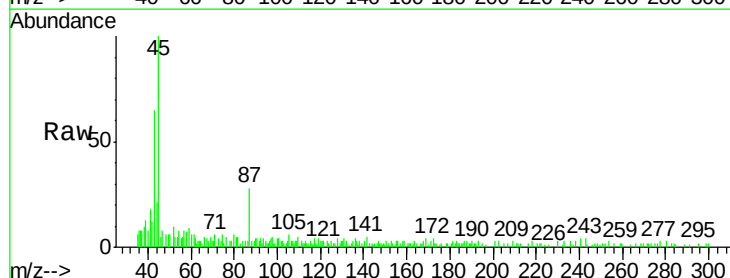
Ion Ratio Lower Upper

45 100

43 56.9 55.9 83.9

87 23.9 22.2 33.2

59 5.7 8.6 13.0#

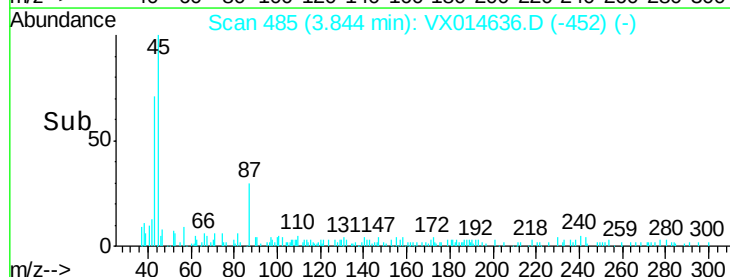
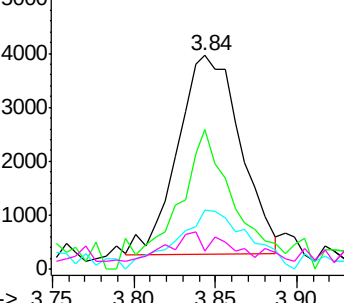


Abundance Ion 45.00 (44.70 to 45.70): VX0

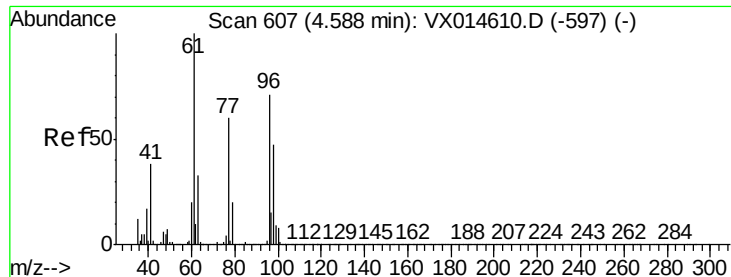
Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



Time-->

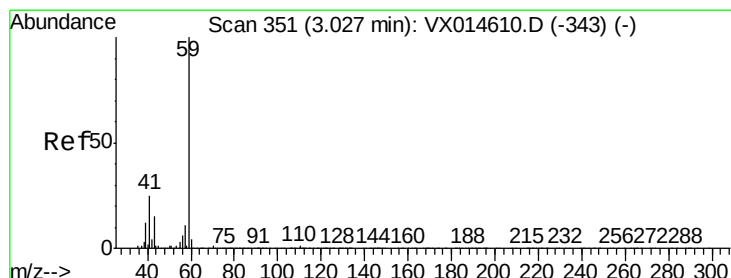
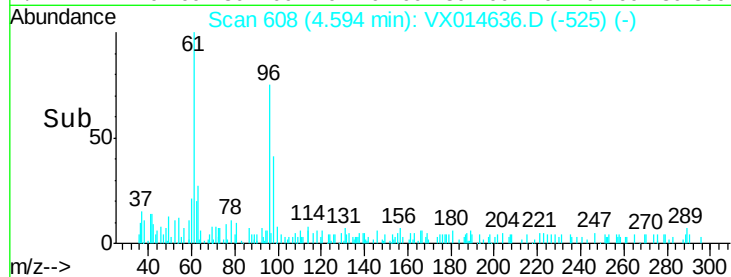
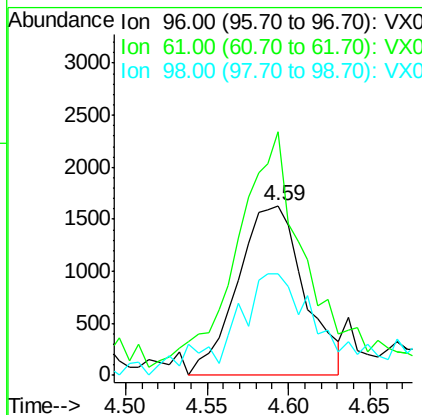
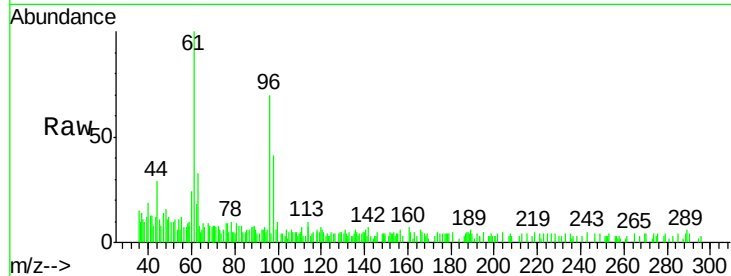


#22

cis-1,2-Dichloroethene
 Concen: 0.865 ug/l
 RT: 4.59 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: VX014636.D
 Acq: 16 Jan 2020 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 REP-011420

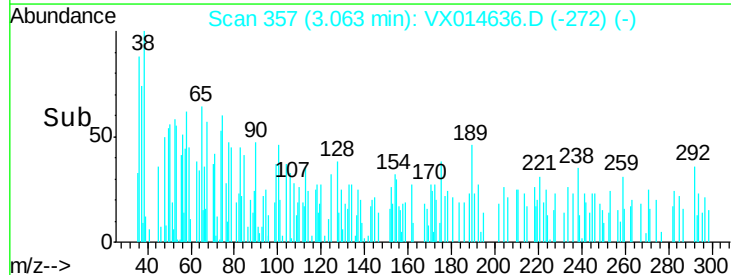
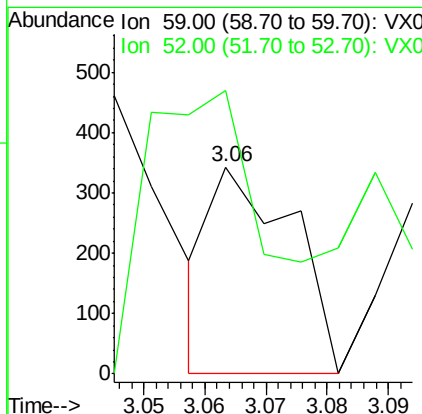
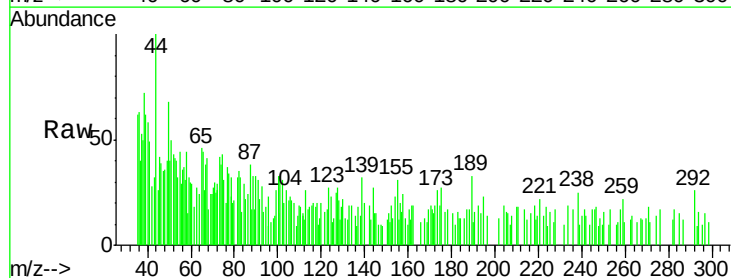
Tot Ion: 96 Resp: 4640
 Ion Ratio Lower Upper
 96 100
 61 131.3 112.4 168.6
 98 48.2 50.3 75.5#

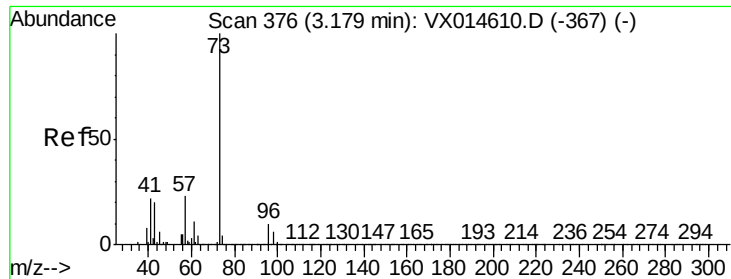


#23

tert-Butyl Alcohol
 Concen: 0.285 ug/l
 RT: 3.06 min Scan# 357
 Delta R.T. 0.02 min
 Lab File: VX014636.D
 Acq: 16 Jan 2020 14:24

Tgt Ion: 59 Resp: 316
 Ion Ratio Lower Upper
 59 100
 52 198.4 0.2 0.2#



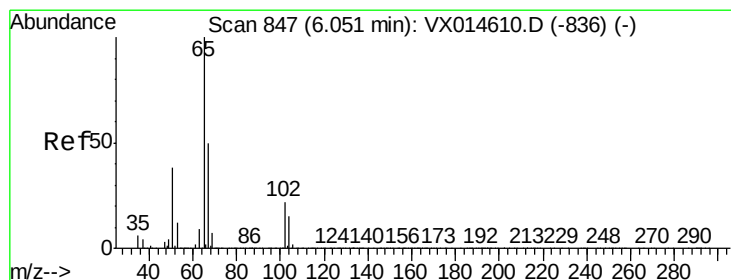
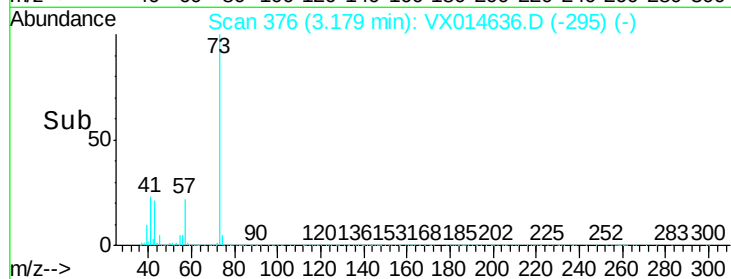
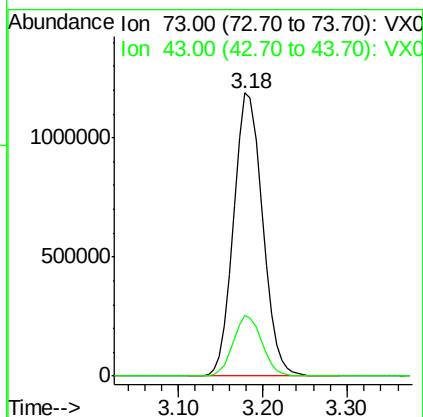
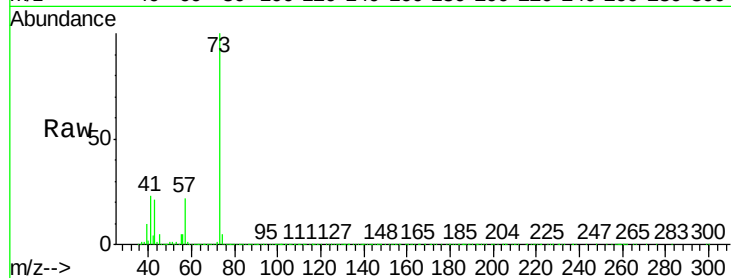


#24

Methyl tert-Butyl Ether
 Concen: 191.031 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX014636.D
 Acq: 16 Jan 2020 14:24

Instrument :
 MSVOA_X
 ClientSampled :
 REP-011420

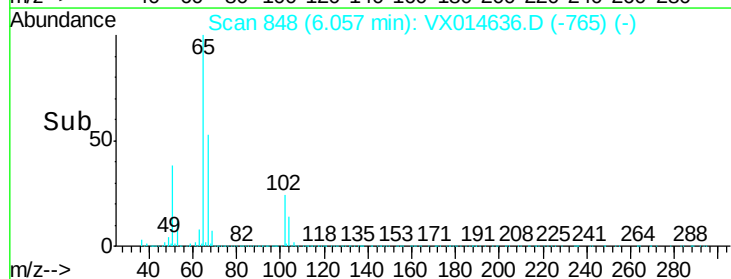
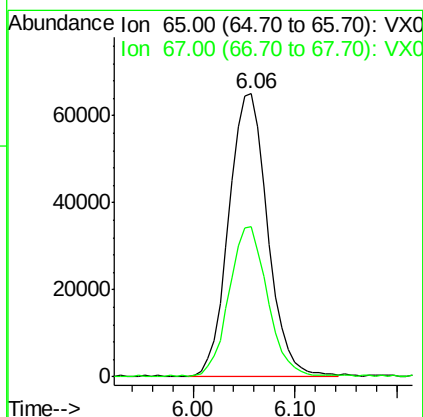
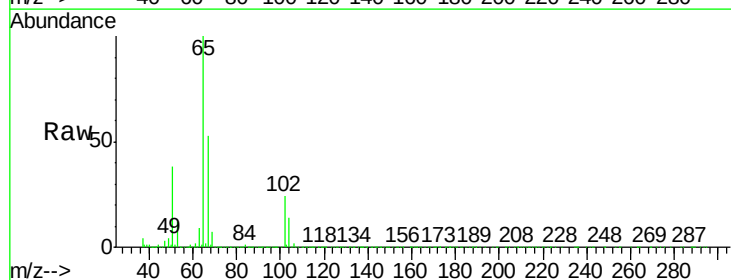
Tot Ion: 73 Resp: 2756409
 Ion Ratio Lower Upper
 73 100
 43 21.1 16.6 25.0

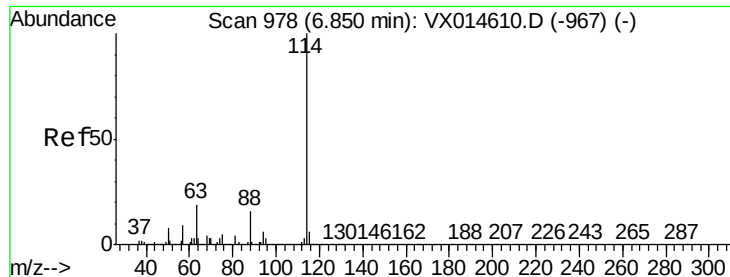


#27

1,2-Dichloroethane-d4
 Concen: 31.301 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX014636.D
 Acq: 16 Jan 2020 14:24

Tgt Ion: 65 Resp: 172313
 Ion Ratio Lower Upper
 65 100
 67 51.8 43.1 64.7

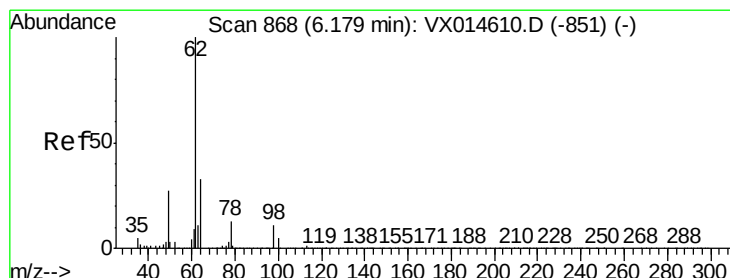
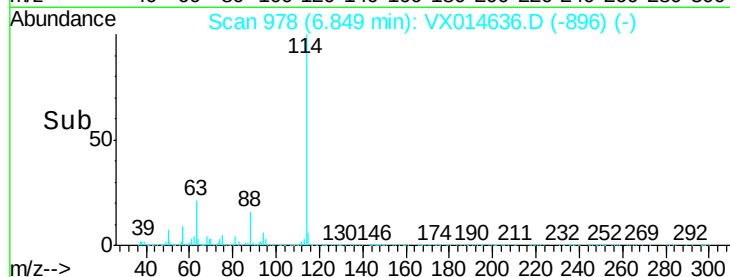
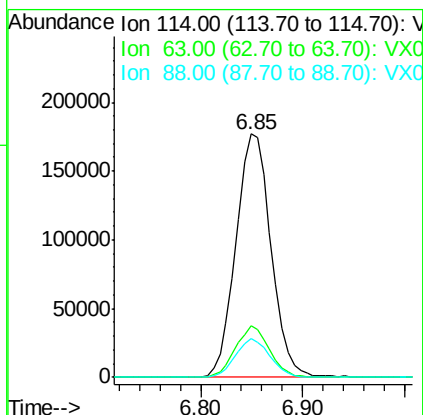
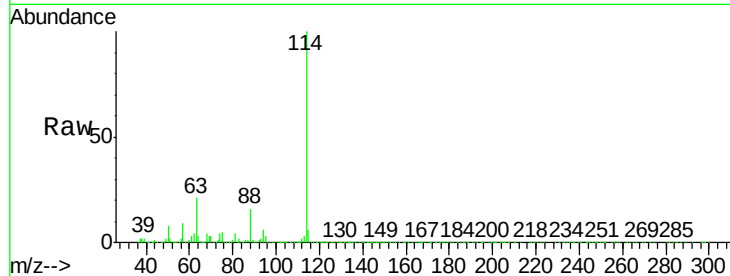




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014636.D
 Acq: 16 Jan 2020 14:24

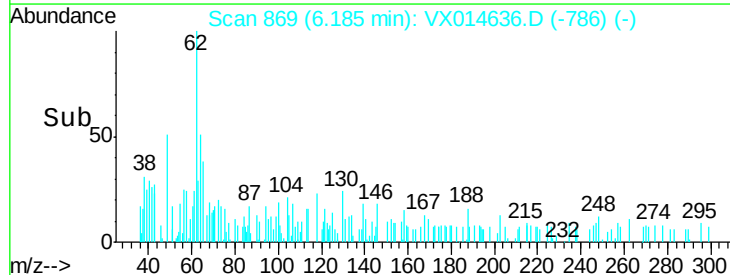
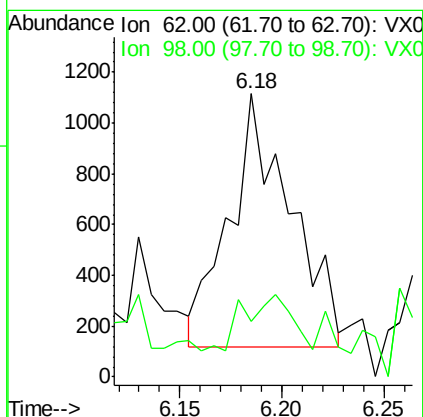
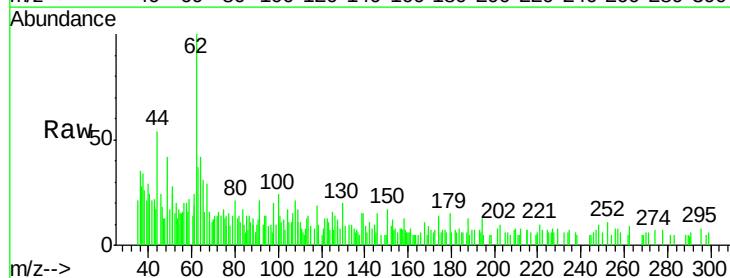
Instrument :
 MSVOA_X
 ClientSampleId :
 REP-011420

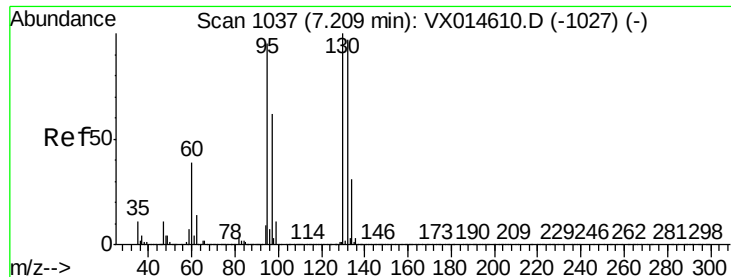
Tot Ion:114 Resp: 421753
 Ion Ratio Lower Upper
 114 100
 63 20.2 16.1 24.1
 88 15.4 12.5 18.7



#36
 1,2-Dichloroethane
 Concen: 0.313 ug/l
 RT: 6.18 min Scan# 869
 Delta R.T. 0.01 min
 Lab File: VX014636.D
 Acq: 16 Jan 2020 14:24

Tgt Ion: 62 Resp: 2082
 Ion Ratio Lower Upper
 62 100
 98 5.9 8.4 12.6#





#37

Trichloroethene

Concen: 7.066 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014636.D

Acq: 16 Jan 2020 14:24

Instrument :

MSVOA_X

ClientSampleId :

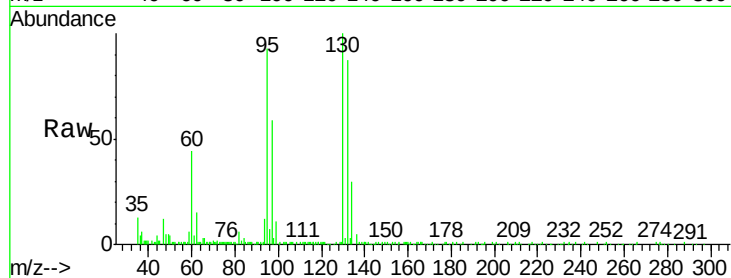
REP-011420

Tot Ion:130 Resp: 36978

Ion Ratio Lower Upper

130 100

95 93.1 71.7 107.5



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

15000

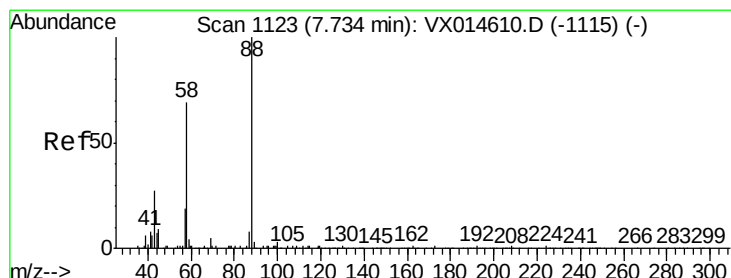
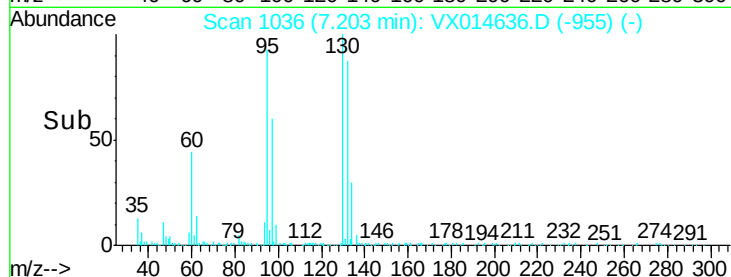
10000

5000

0

Time-->

7.10 7.15 7.20 7.25 7.30



#45

1,4-Dioxane

Concen: 2.796 ug/l

RT: 7.49 min Scan# 1083

Delta R.T. -0.24 min

Lab File: VX014636.D

Acq: 16 Jan 2020 14:24

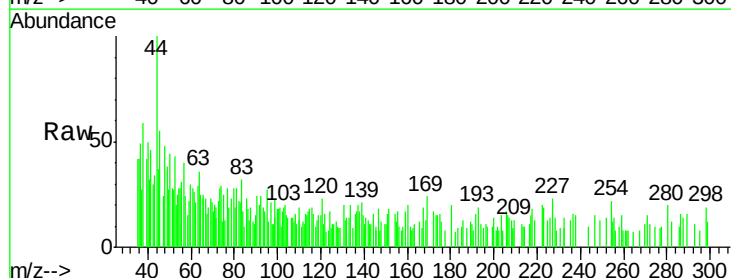
Tgt Ion: 88 Resp: 320

Ion Ratio Lower Upper

88 100

43 31.3 25.4 38.2

58 60.3 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600

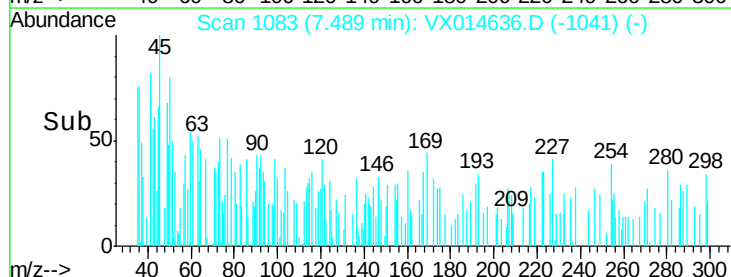
400

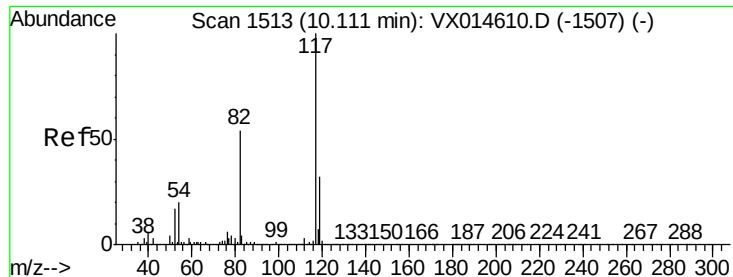
200

0

Time-->

7.46 7.48 7.50 7.52

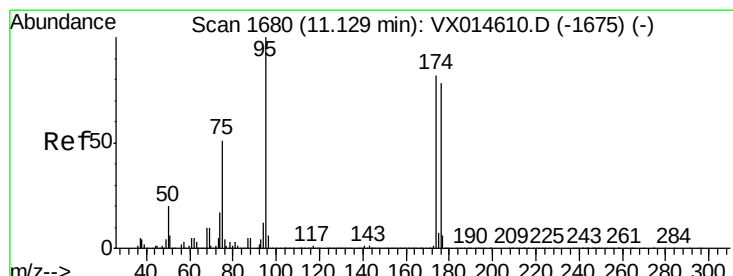
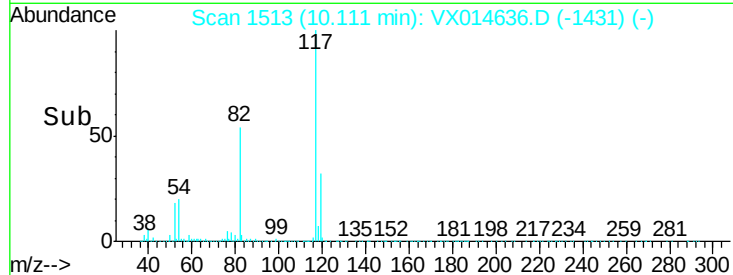
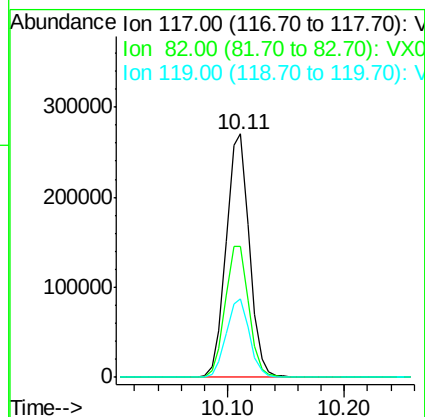
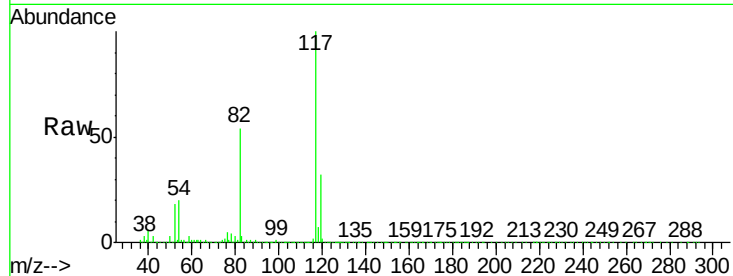




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014636.D
Acq: 16 Jan 2020 14:24

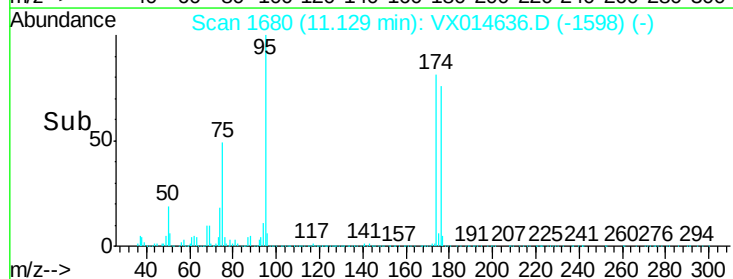
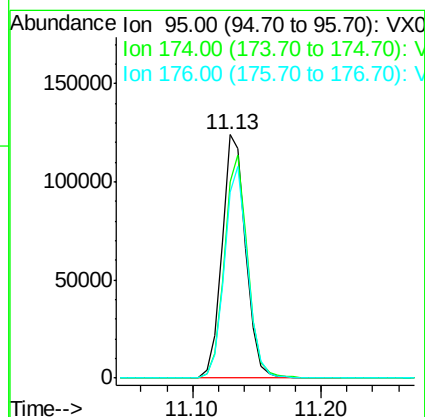
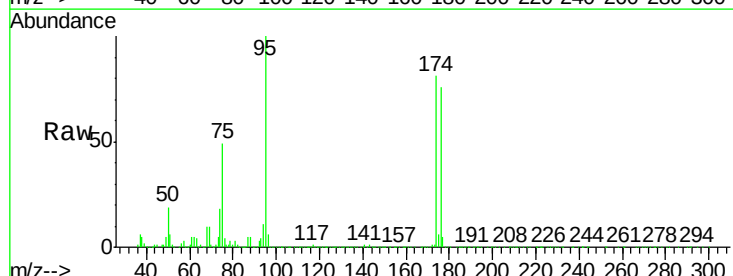
Instrument :
MSVOA_X
ClientSampleId :
REP-011420

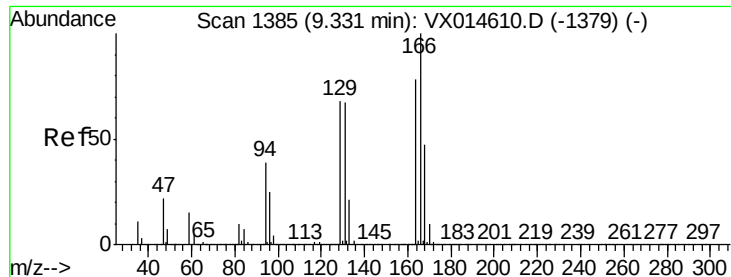
Tot Ion:117 Resp: 371792
Ion Ratio Lower Upper
117 100
82 54.5 43.8 65.6
119 32.1 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 27.016 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014636.D
Acq: 16 Jan 2020 14:24

Tgt Ion: 95 Resp: 160728
Ion Ratio Lower Upper
95 100
174 89.4 70.2 105.2
176 85.6 68.3 102.5

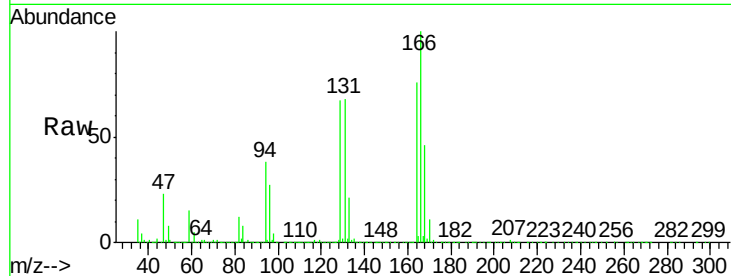




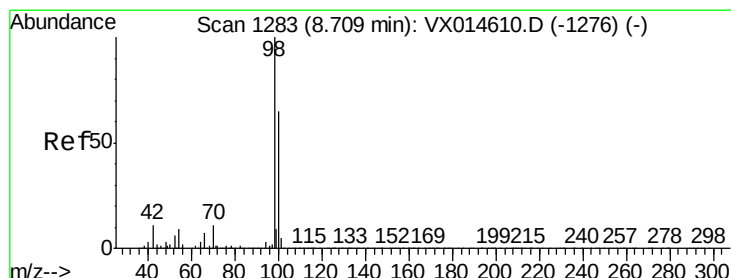
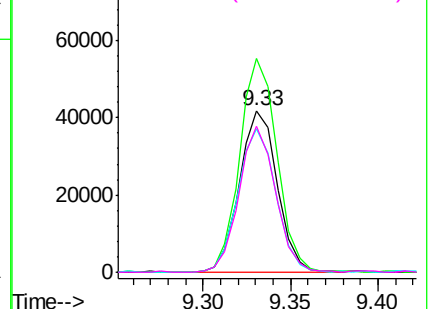
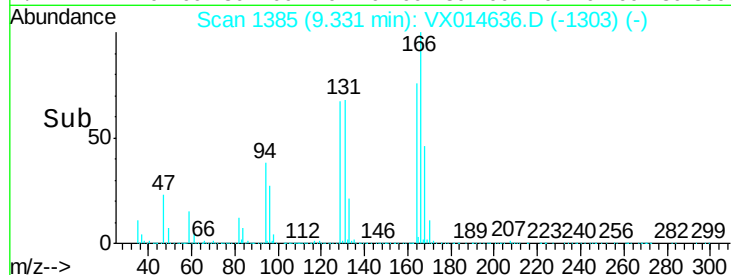
#61
Tetrachloroethene
Concen: 11.419 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX014636.D
Acq: 16 Jan 2020 14:24

Instrument :
MSVOA_X
ClientSampleId :
REP-011420

Tot Ion:164 Resp: 62751
Ion Ratio Lower Upper
164 100
166 132.2 104.2 156.2
129 88.6 71.6 107.4
131 90.2 71.7 107.5

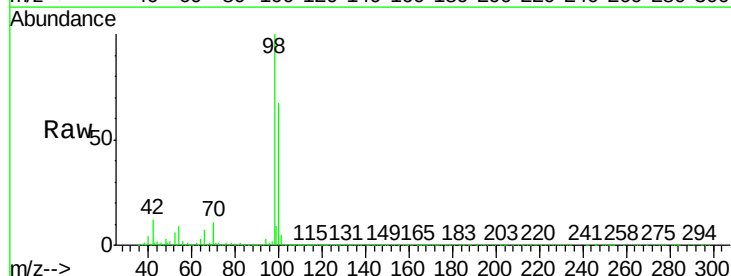


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#63
Toluene-d8
Concen: 29.978 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014636.D
Acq: 16 Jan 2020 14:24

Tgt Ion: 98 Resp: 503435
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

