

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122319\
 Data File : VX014208.D
 Acq On : 23 Dec 2019 17:33
 Operator : JC/SP
 Sample : K6387-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Dec 24 01:32:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	584484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	886871	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	797097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	355912	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	314137	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
35) Dibromofluoromethane	5.49	113	261382	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
50) Toluene-d8	8.71	98	1040050	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	11.13	95	354570	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	

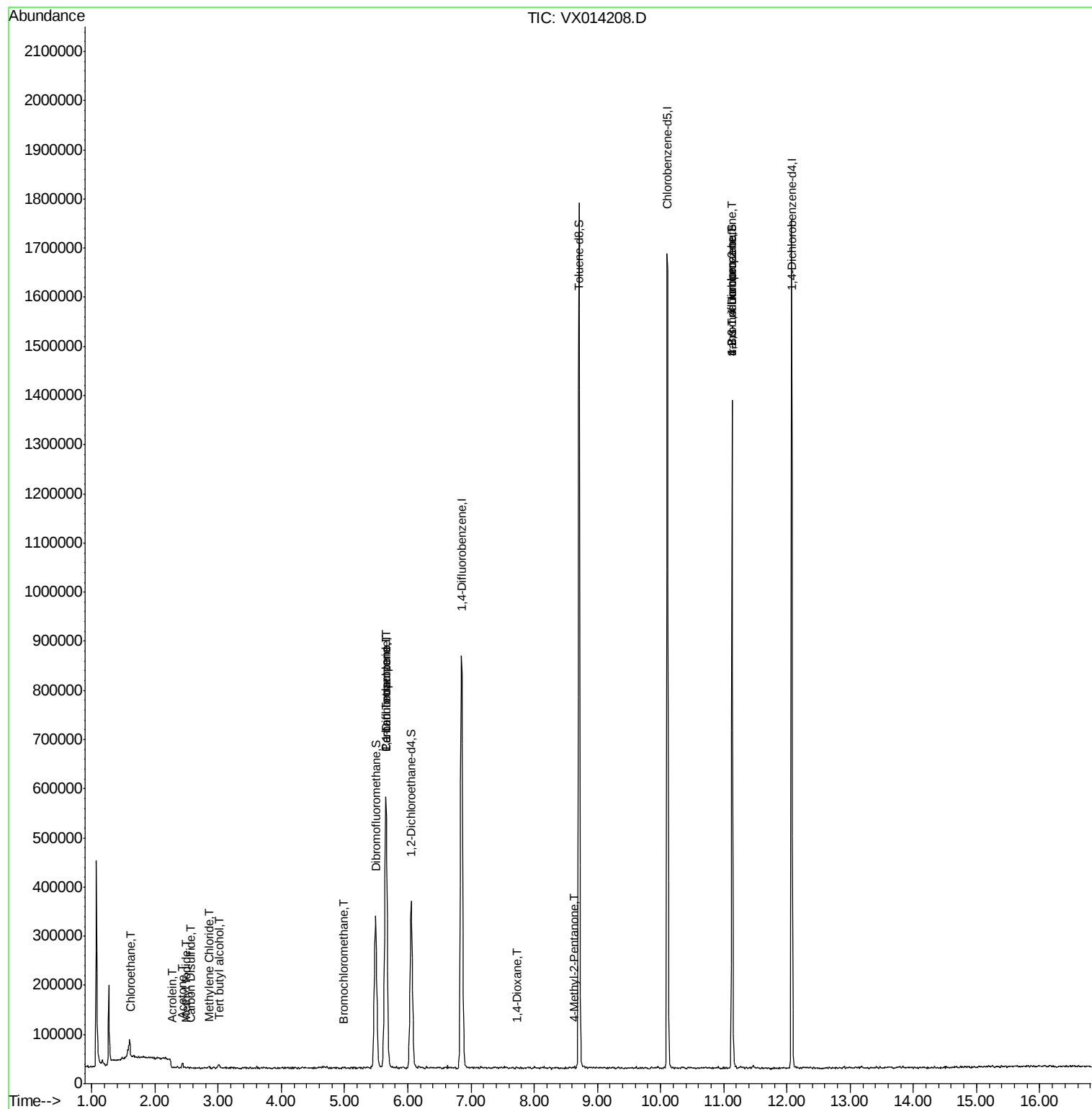
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.62	64	4274	0.935	ug/l #	45
10) Methyl Iodide	2.49	142	190	2.645	ug/l #	22
11) Tert butyl alcohol	3.01	59	4968	3.471	ug/l #	81
13) Acrolein	2.28	56	169	0.206	ug/l #	16
16) Acetone	2.43	43	9508	2.211	ug/l #	82
17) Carbon Disulfide	2.56	76	947	0.810	ug/l #	67
20) Methylene Chloride	2.86	84	2165	0.320	ug/l #	85
28) Bromochloromethane	4.98	49	341	0.533	ug/l #	5
36) 1,1-Dichloropropene	5.65	75	38844	4.773	ug/l #	41
38) Carbon Tetrachloride	5.65	117	50488	6.811	ug/l #	16
49) 1,4-Dioxane	7.74	88	750	5.061	ug/l #	55
51) 4-Methyl-2-Pentanone	8.64	43	1935	0.207	ug/l #	85
76) 1,2,3-Trichloropropane	11.13	75	174366	22.566	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	174366	63.694	ug/l #	12

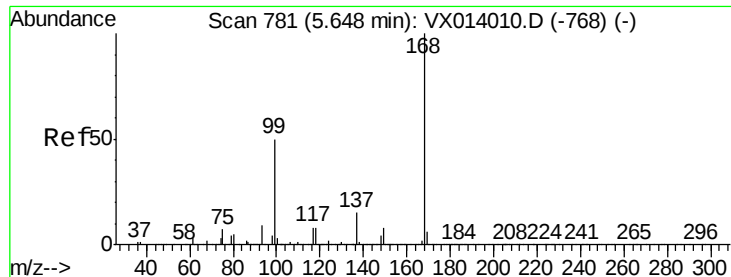
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX122319\
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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014208.D

Acq: 23 Dec 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

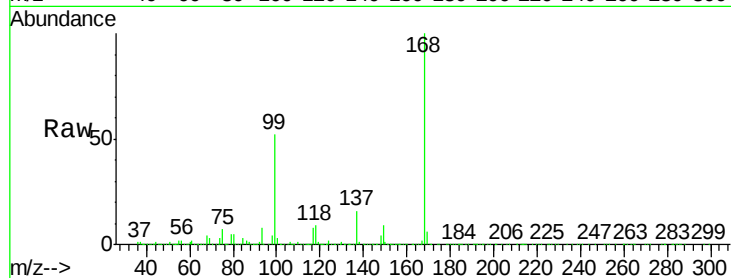
TRIP-BLANK

Tgt Ion:168 Resp: 584484

Ion Ratio Lower Upper

168 100

99 52.3 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

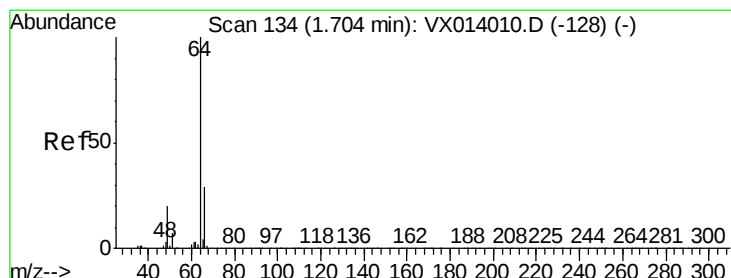
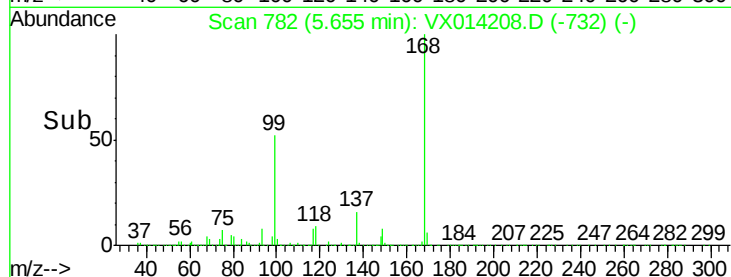
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.935 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.08 min

Lab File: VX014208.D

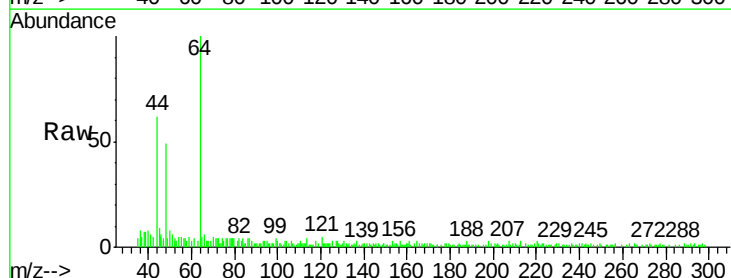
Acq: 23 Dec 2019 17:33

Tgt Ion: 64 Resp: 4274

Ion Ratio Lower Upper

64 100

66 0.0 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.62

8000

6000

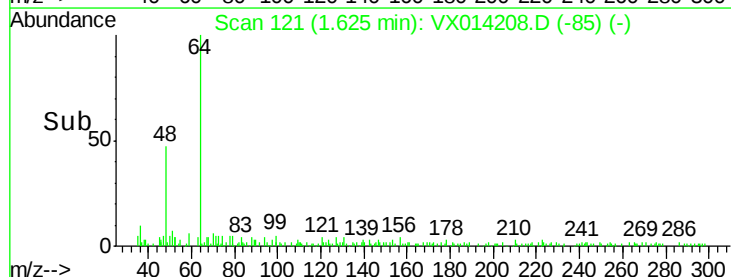
4000

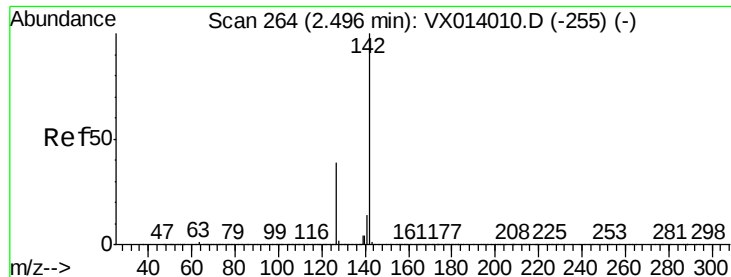
2000

0

Time-->

1.60 1.65 1.70





#10

Methyl Iodide

Concen: 2.645 ug/l

RT: 2.49 min Scan# 263

Delta R.T. -0.01 min

Lab File: VX014208.D

Acq: 23 Dec 2019 17:33

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

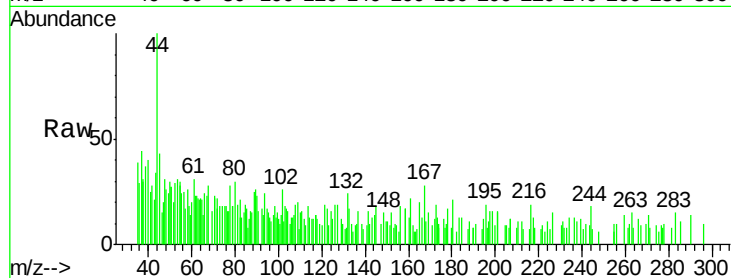
Tgt Ion: 142 Resp: 190

Ion Ratio Lower Upper

142 100

127 97.4 31.6 47.4#

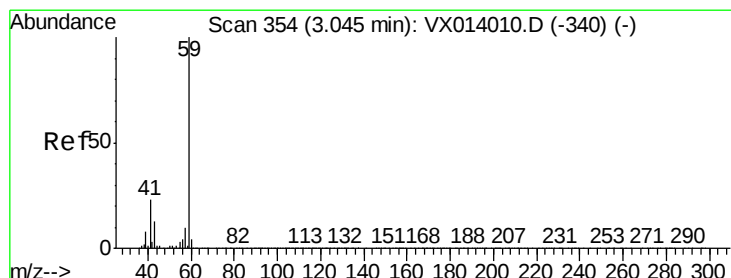
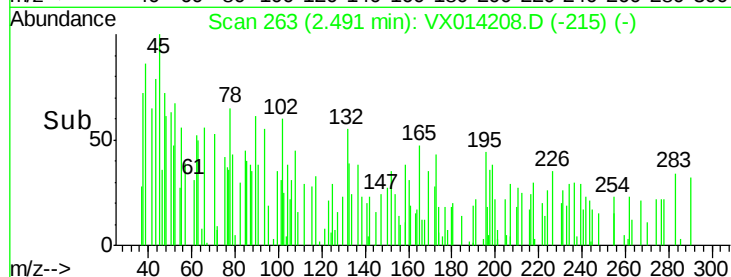
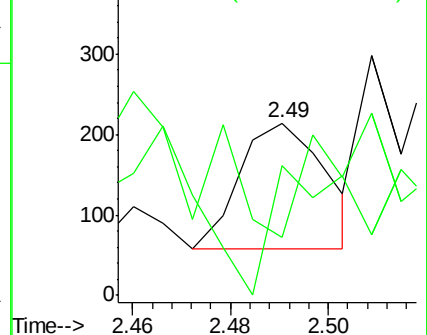
141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 3.471 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.03 min

Lab File: VX014208.D

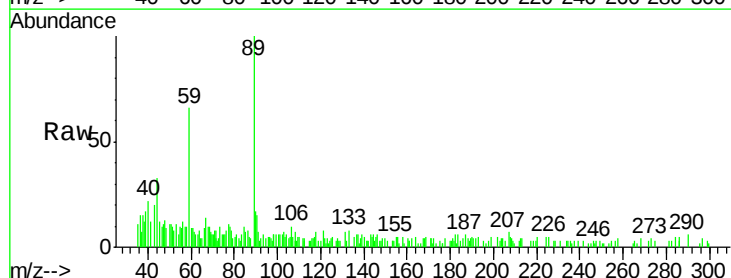
Acq: 23 Dec 2019 17:33

Tgt Ion: 59 Resp: 4968

Ion Ratio Lower Upper

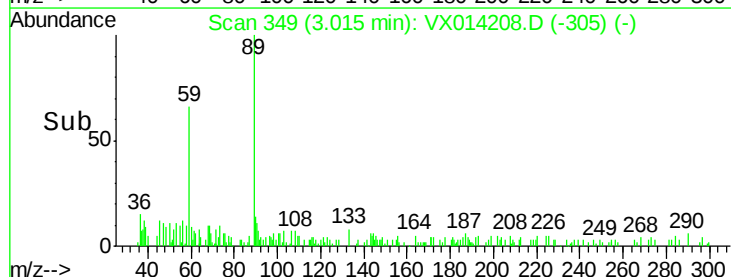
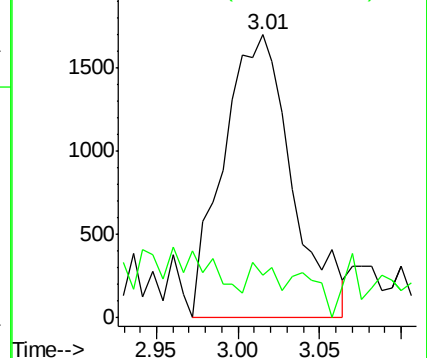
59 100

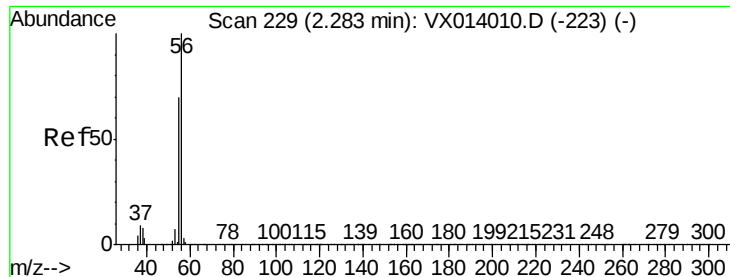
57 3.4 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.206 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014208.D

Acq: 23 Dec 2019 17:33

Instrument :

MSVOA_X

ClientSampled :

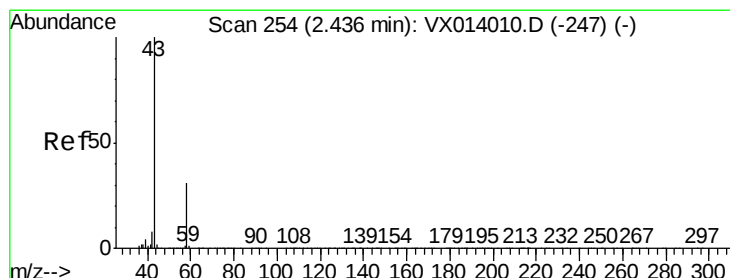
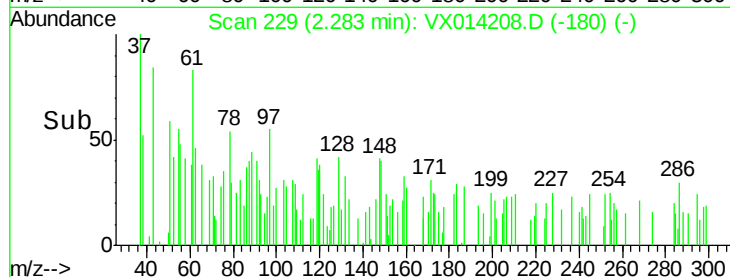
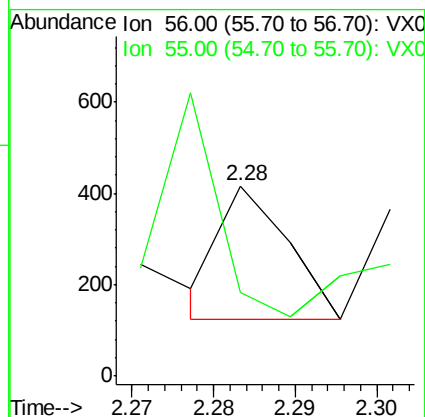
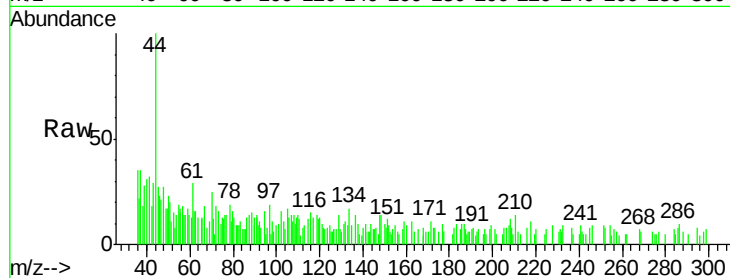
TRIP-BLANK

Tgt Ion: 56 Resp: 169

Ion Ratio Lower Upper

56 100

55 140.2 56.9 85.3#



#16

Acetone

Concen: 2.211 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014208.D

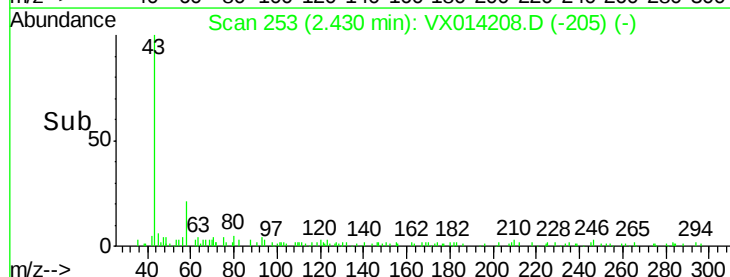
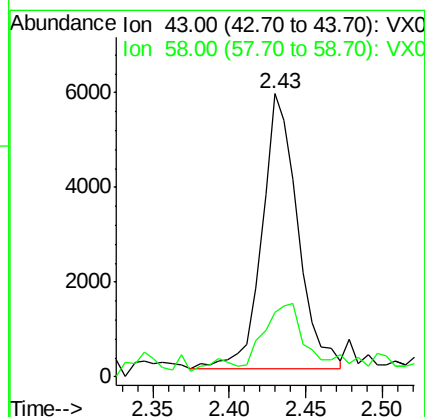
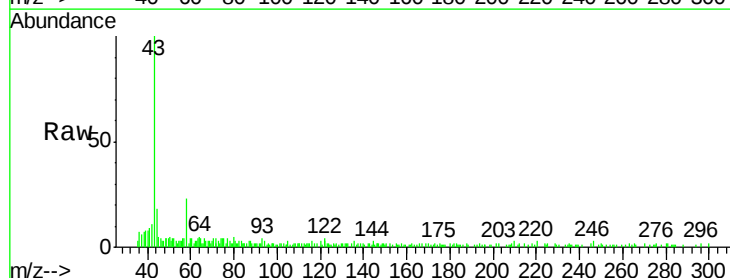
Acq: 23 Dec 2019 17:33

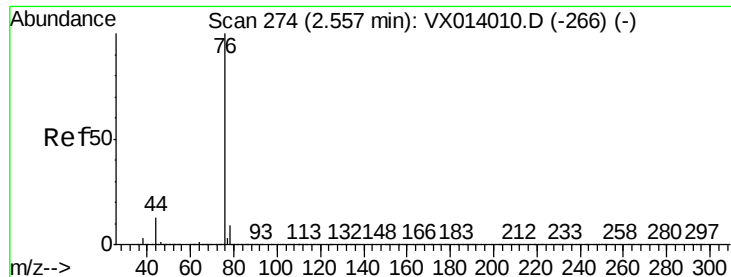
Tgt Ion: 43 Resp: 9508

Ion Ratio Lower Upper

43 100

58 21.3 24.9 37.3#





#17

Carbon Disulfide

Concen: 0.810 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014208.D

Acq: 23 Dec 2019 17:33

Instrument :

MSVOA_X

ClientSampled :

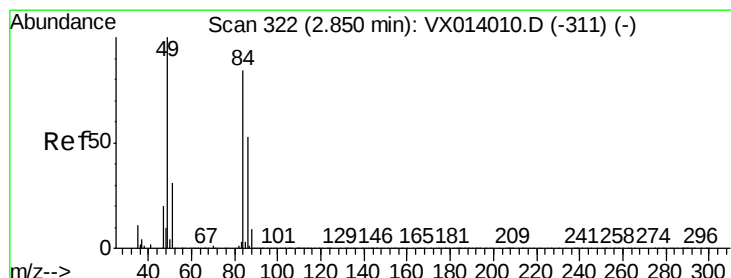
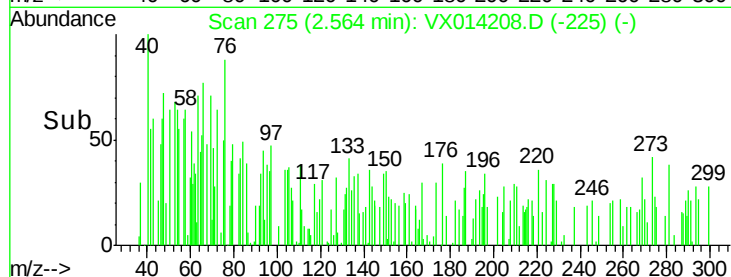
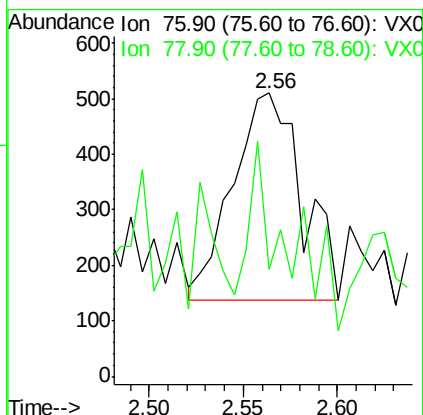
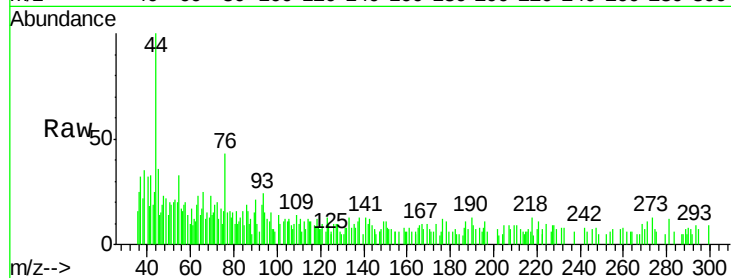
TRIP-BLANK

Tgt Ion: 76 Resp: 947

Ion Ratio Lower Upper

76 100

78 20.9 7.2 10.8#



#20

Methylene Chloride

Concen: 0.320 ug/l

RT: 2.86 min Scan# 323

Delta R.T. 0.01 min

Lab File: VX014208.D

Acq: 23 Dec 2019 17:33

Tgt Ion: 84 Resp: 2165

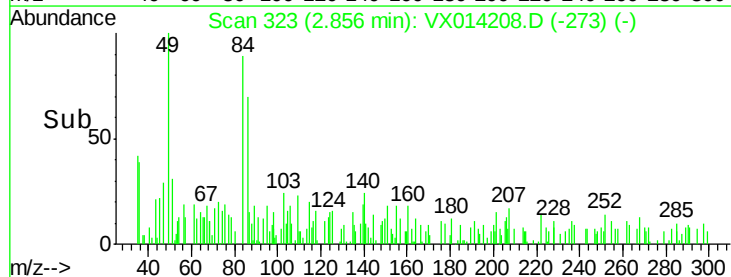
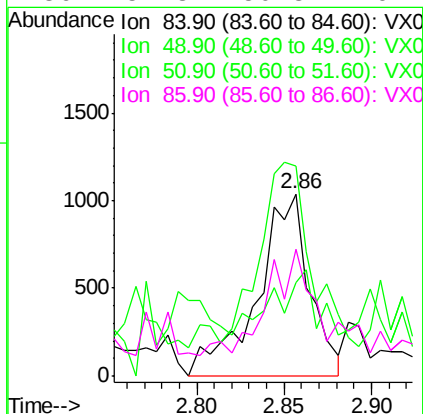
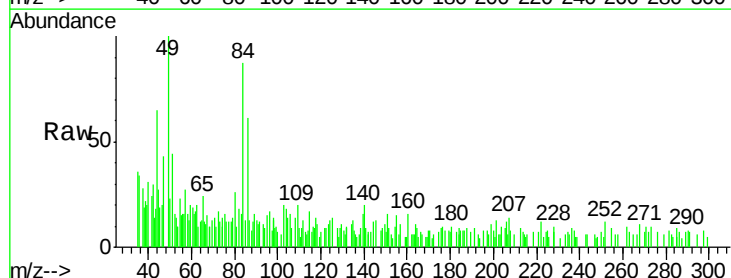
Ion Ratio Lower Upper

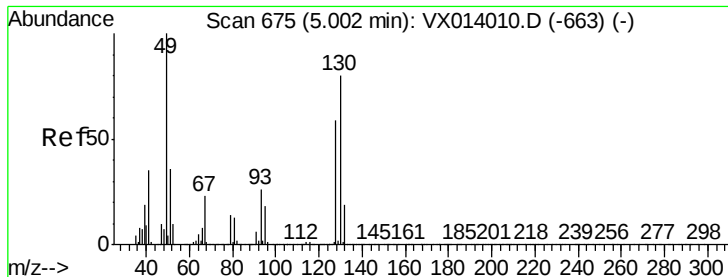
84 100

49 99.2 95.8 143.6

51 28.3 29.8 44.8#

86 57.3 50.8 76.2





#28

Bromochloromethane

Concen: 0.533 ug/l

RT: 4.98 min Scan# 671

Delta R.T. -0.02 min

Lab File: VX014208.D

Acq: 23 Dec 2019 17:33

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

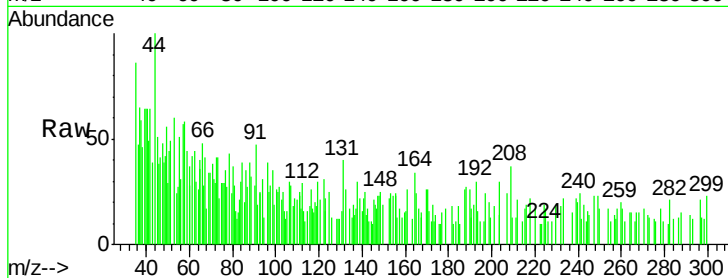
Tgt Ion: 49 Resp: 341

Ion Ratio Lower Upper

49 100

129 80.6 0.0 5.0#

130 0.0 64.6 97.0#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

800

600

400

200

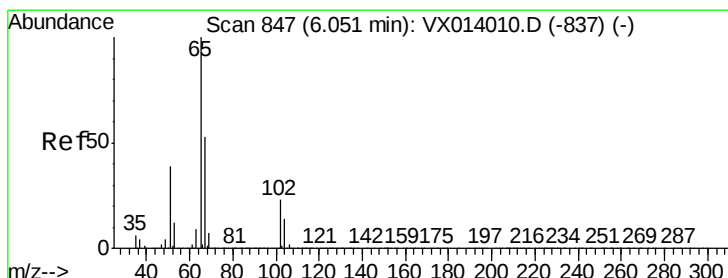
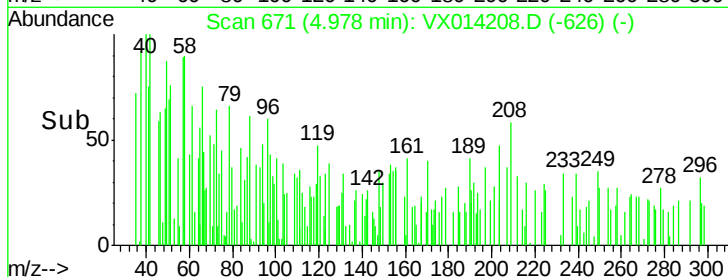
0

4.96

4.98

5.00

Time-->



#33

1,2-Dichloroethane-d4

Concen: 47.422 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014208.D

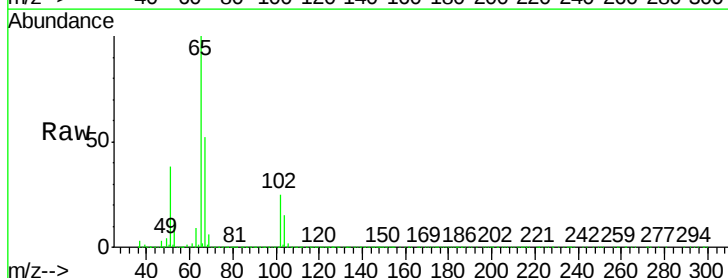
Acq: 23 Dec 2019 17:33

Tgt Ion: 65 Resp: 314137

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

100000

50000

0

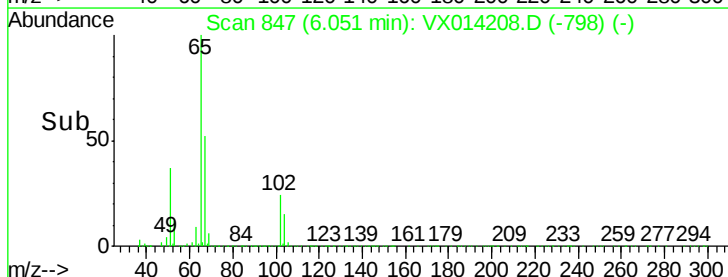
5.90

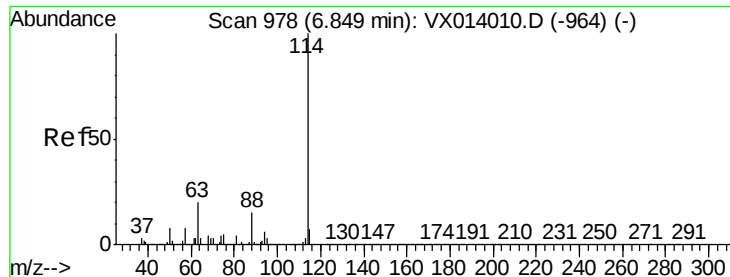
6.00

6.10

6.20

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014208.D

Acq: 23 Dec 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

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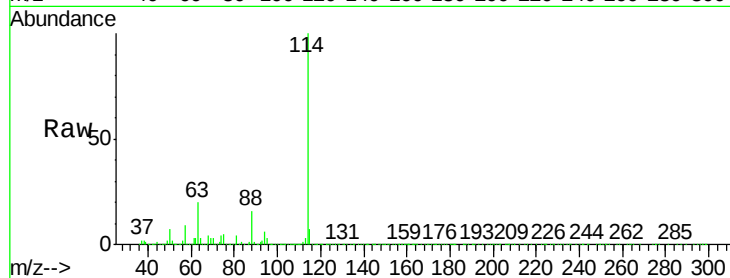
Tgt Ion:114 Resp: 886871

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

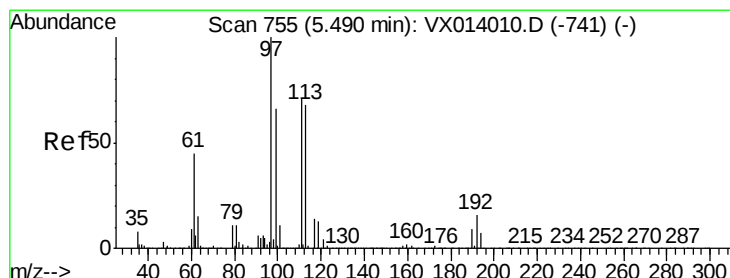
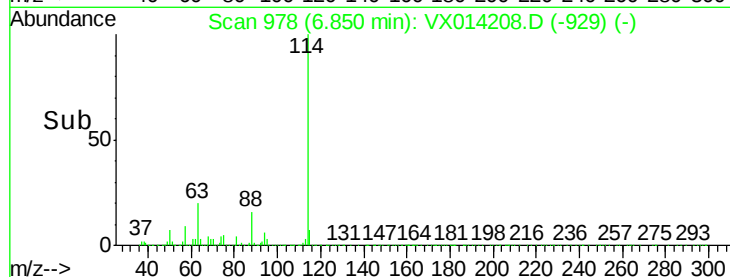
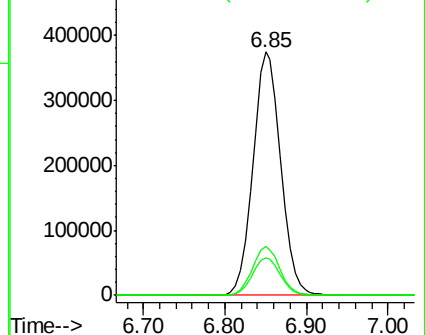
88 15.5 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.483 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014208.D

Acq: 23 Dec 2019 17:33

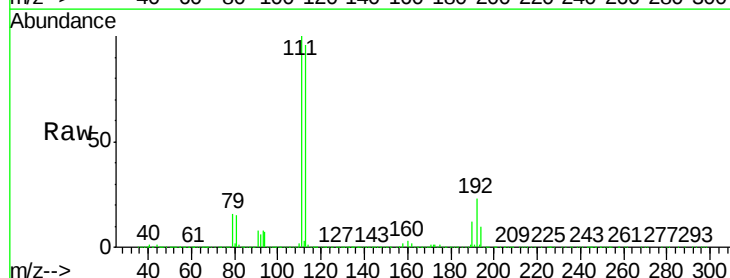
Tgt Ion:113 Resp: 261382

Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

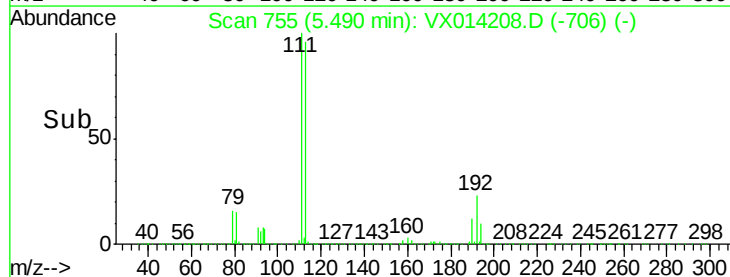
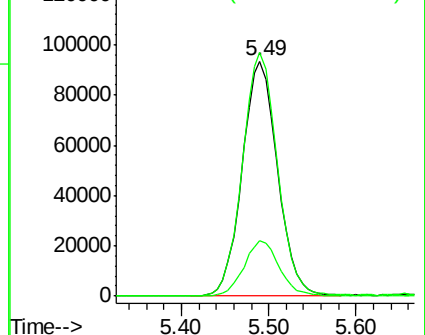
192 23.5 19.3 28.9

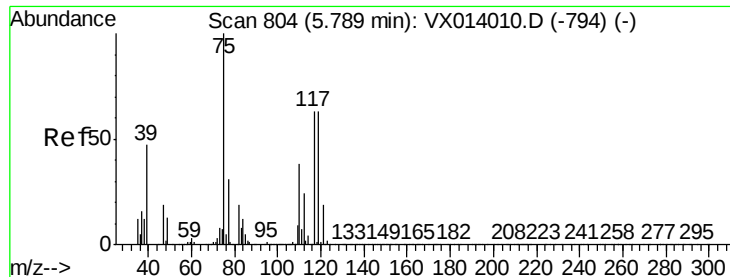


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

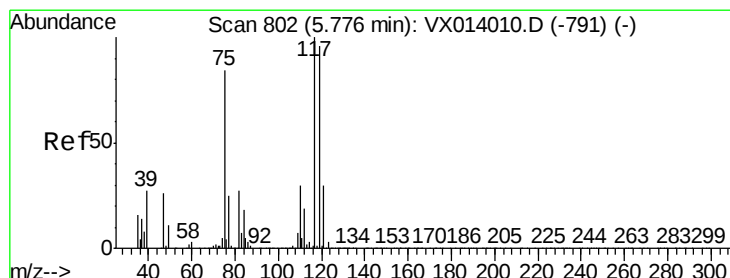
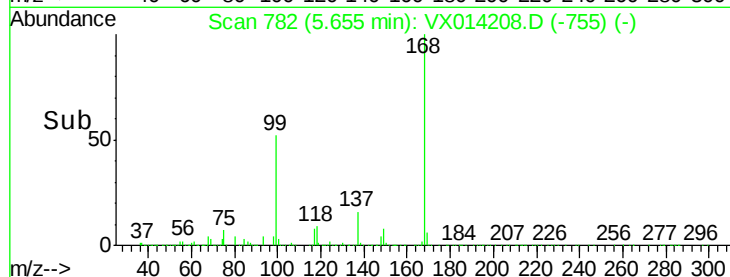
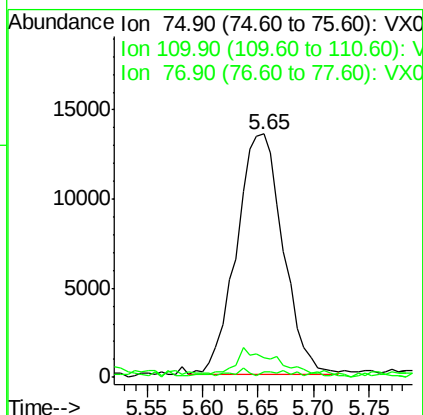
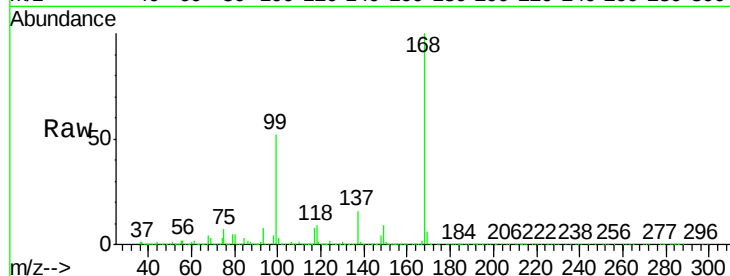




#36
 1,1-Dichloropropene
 Concen: 4.773 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014208.D
 Acq: 23 Dec 2019 17:33

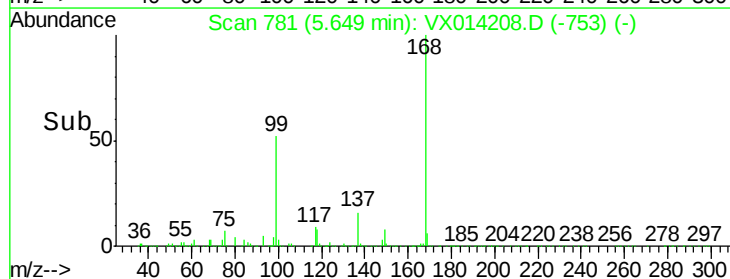
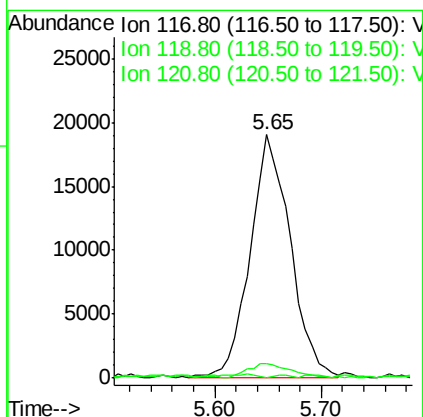
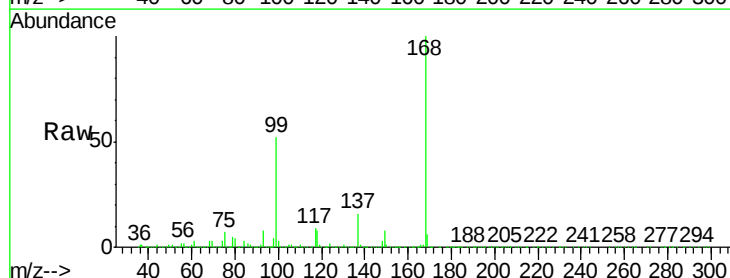
Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

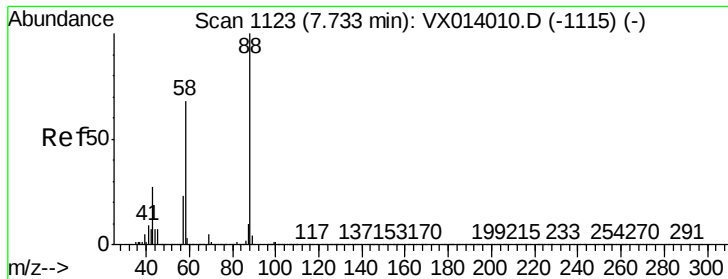
Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.3	54.9#
77	0.5	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.811 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014208.D
 Acq: 23 Dec 2019 17:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.2	114.4#
121	0.0	23.6	35.4#





#49

1,4-Dioxane

Concen: 5.061 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014208.D

Acq: 23 Dec 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

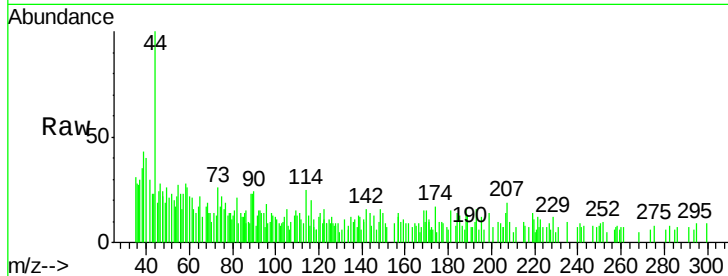
Tgt Ion: 88 Resp: 750

Ion Ratio Lower Upper

88 100

43 12.1 26.5 39.7#

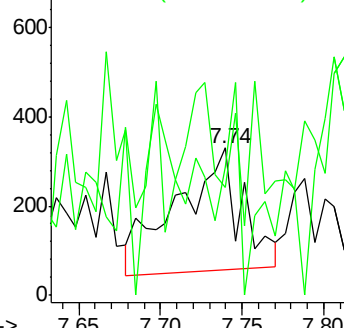
58 30.5 56.8 85.2#



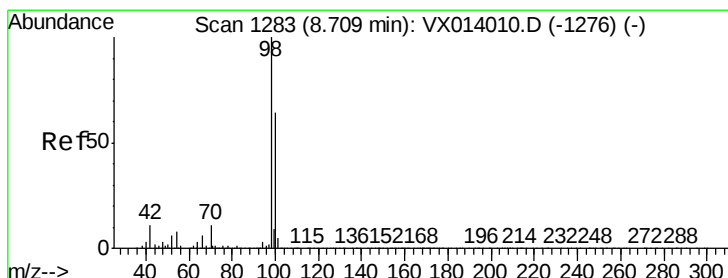
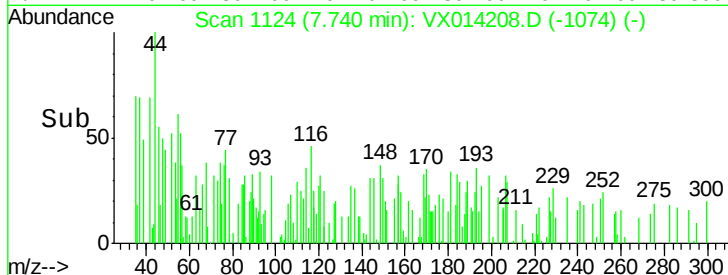
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 49.552 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014208.D

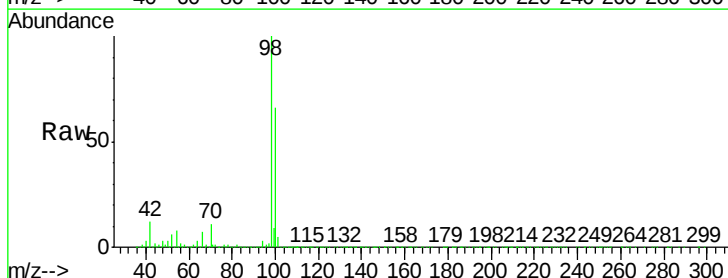
Acq: 23 Dec 2019 17:33

Tgt Ion: 98 Resp: 1040050

Ion Ratio Lower Upper

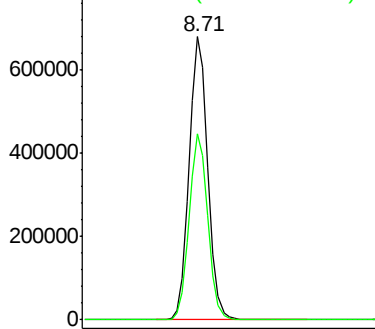
98 100

100 65.7 52.9 79.3

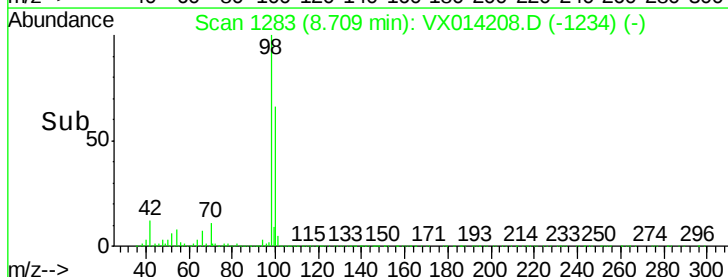


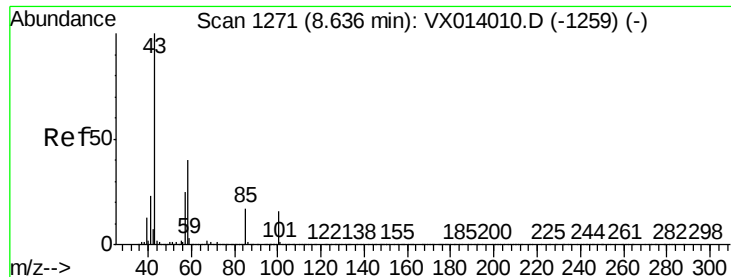
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->

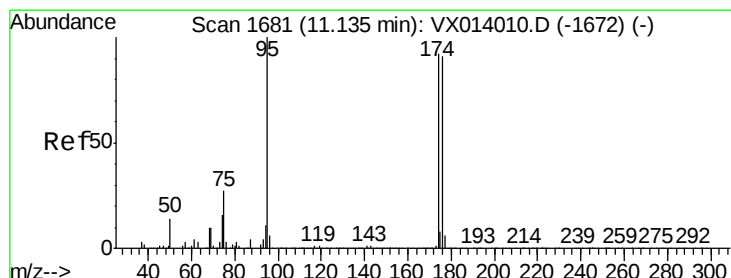
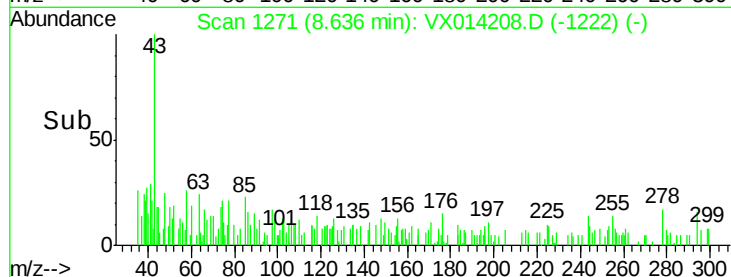
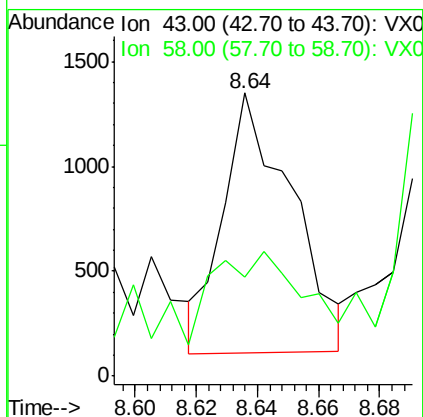
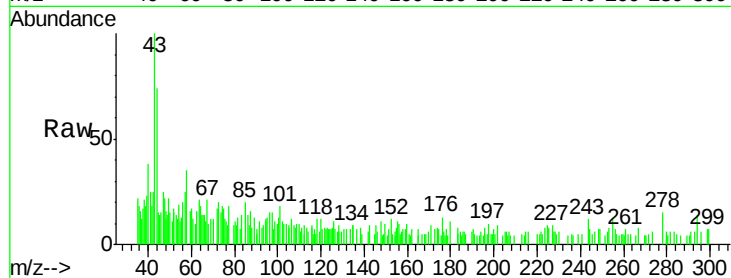




#51
4-Methyl-2-Pentanone
Concen: 0.207 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014208.D
Acq: 23 Dec 2019 17:33

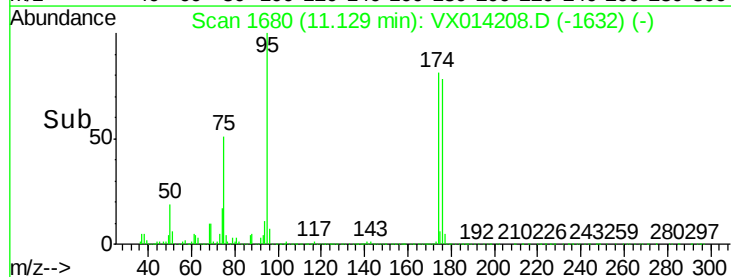
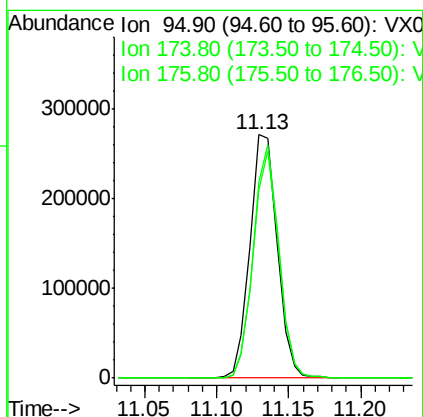
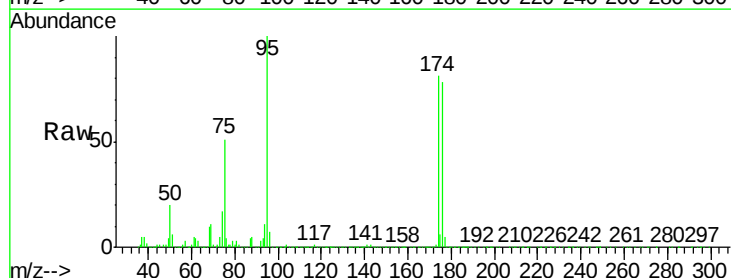
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

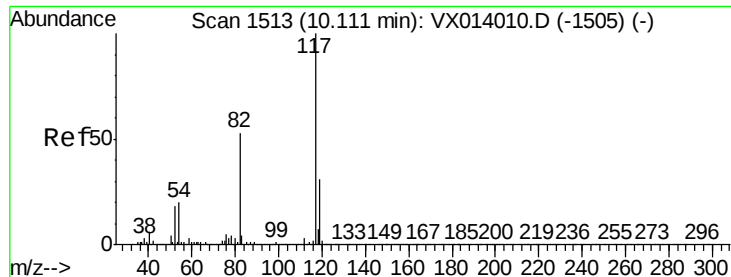
Tgt Ion: 43 Resp: 1935
Ion Ratio Lower Upper
43 100
58 49.4 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 46.213 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014208.D
Acq: 23 Dec 2019 17:33

Tgt Ion: 95 Resp: 354570
Ion Ratio Lower Upper
95 100
174 90.2 0.0 175.8
176 87.6 0.0 173.0

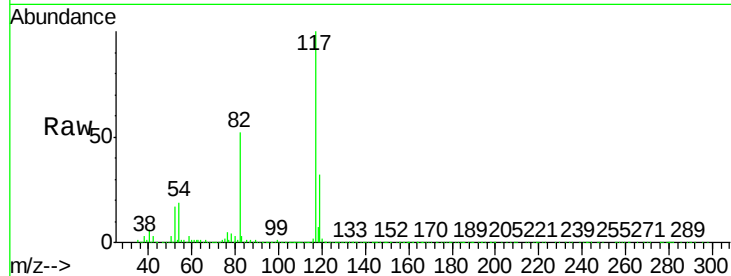




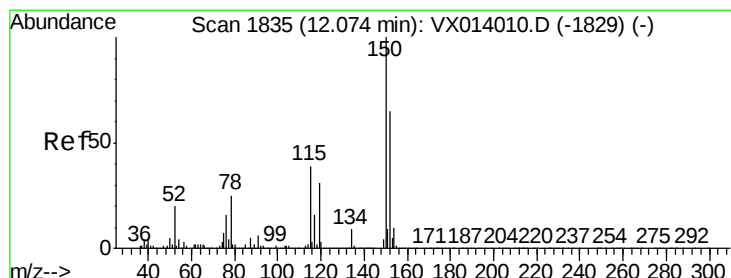
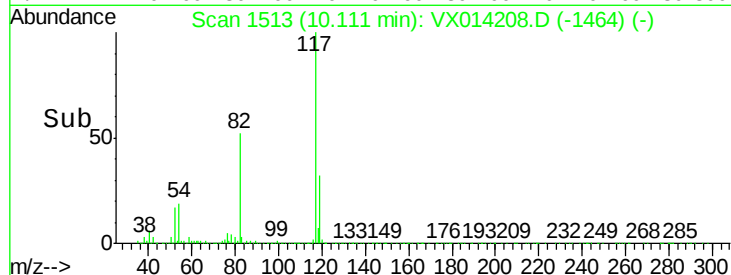
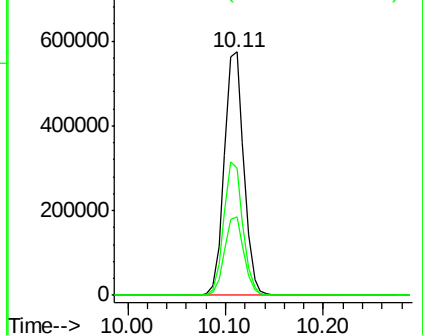
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014208.D
Acq: 23 Dec 2019 17:33

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.2	63.4
119	32.3	25.1	37.7

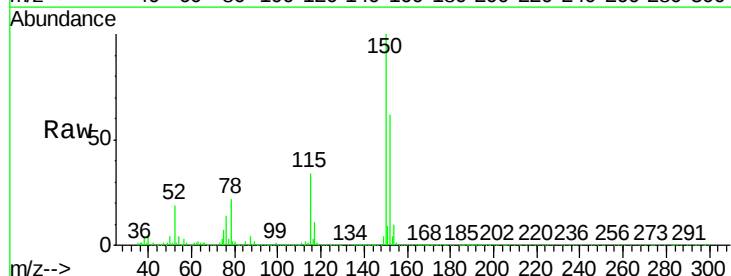


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

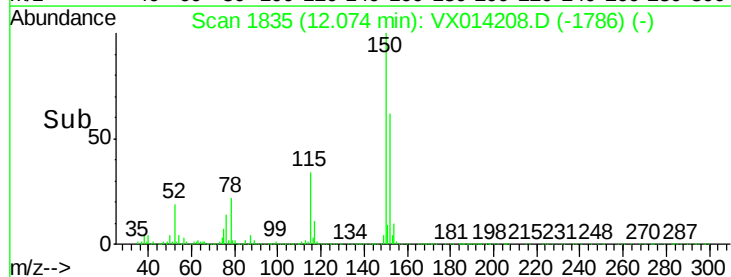
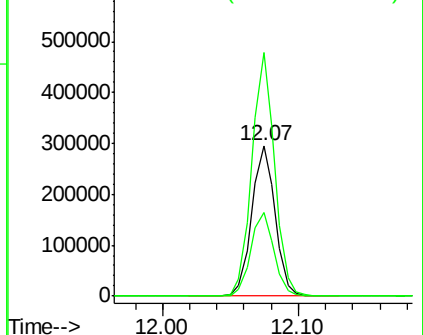


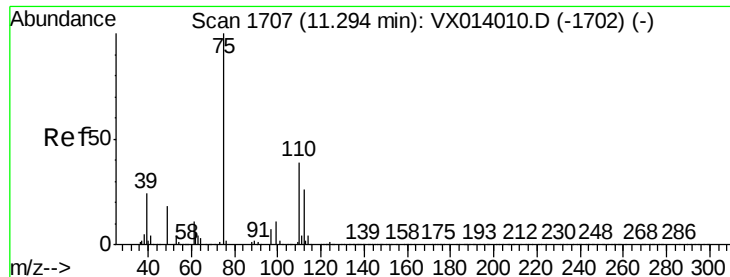
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014208.D
Acq: 23 Dec 2019 17:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	38.3	114.9
150	158.0	0.0	345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.566 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014208.D

Acq: 23 Dec 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

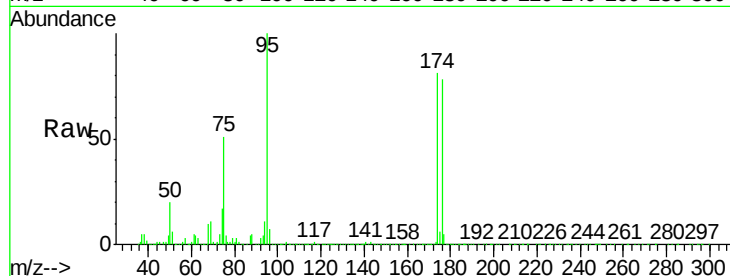
TRIP-BLANK

Tgt Ion: 75 Resp: 174366

Ion Ratio Lower Upper

75 100

77 1.5 19.3 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

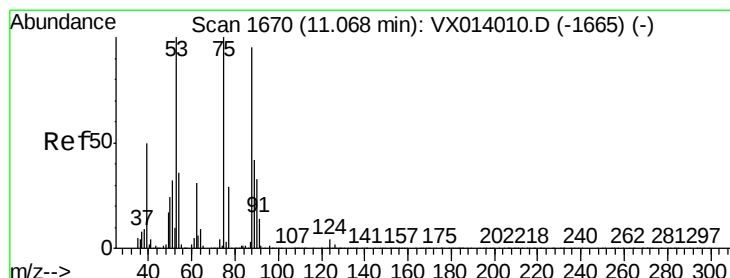
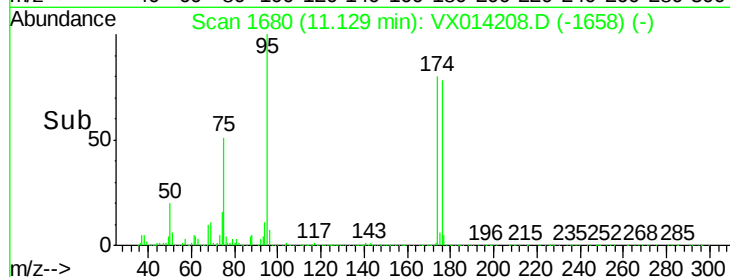
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 63.694 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014208.D

Acq: 23 Dec 2019 17:33

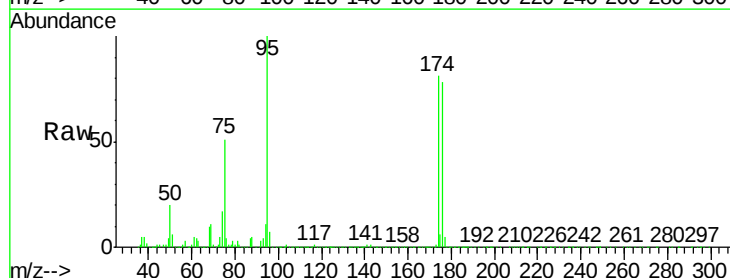
Tgt Ion: 75 Resp: 174366

Ion Ratio Lower Upper

75 100

53 0.3 76.7 115.1#

89 0.0 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.13

150000

100000

50000

0

Time-->

