

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121619\
 Data File : VX014030.D
 Acq On : 16 Dec 2019 13:17
 Operator : JC/SP
 Sample : K6295-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Dec 17 03:27:45 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	580963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	886737	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	770679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	327830	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	318398	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
35) Dibromofluoromethane	5.49	113	261766	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	8.71	98	1043085	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.14	95	340348	44.37	ug/l	0.00
Spiked Amount			Recovery	=	88.74%	

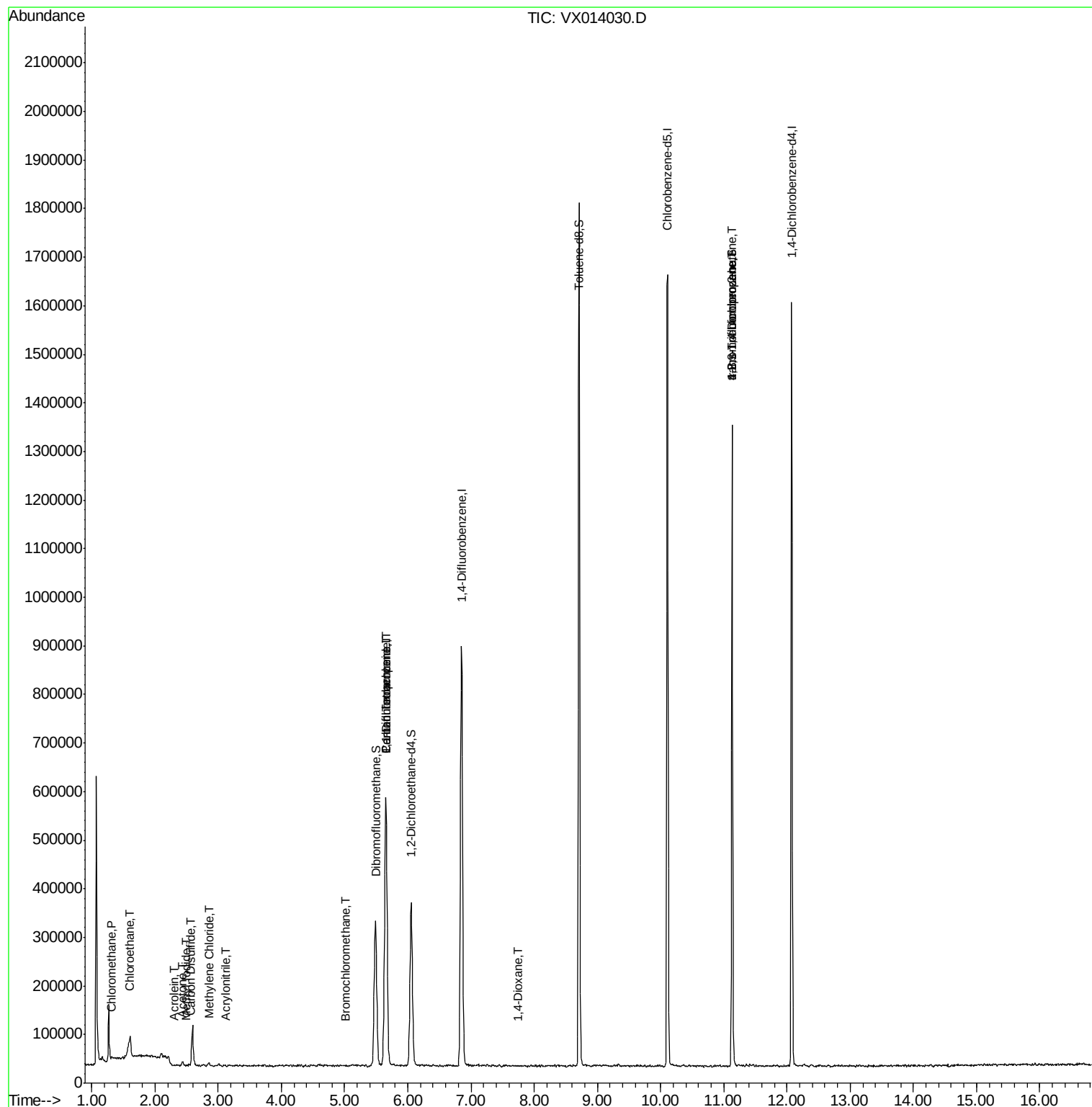
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	3475	0.498	ug/l	92
6) Chloroethane	1.61	64	13445	2.960	ug/l #	50
10) Methyl Iodide	2.50	142	493	2.685	ug/l #	74
13) Acrolein	2.31	56	339	0.416	ug/l #	79
15) Acrylonitrile	3.12	53	698	0.210	ug/l #	4
16) Acetone	2.43	43	10637	2.488	ug/l #	87
17) Carbon Disulfide	2.56	76	1555	0.849	ug/l #	61
20) Methylene Chloride	2.85	84	3197	0.475	ug/l #	92
28) Bromochloromethane	5.01	49	598	0.593	ug/l #	67
36) 1,1-Dichloropropene	5.65	75	40663	4.998	ug/l #	49
38) Carbon Tetrachloride	5.65	117	50419	6.802	ug/l #	18
49) 1,4-Dioxane	7.73	88	190	1.282	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	165295	23.225	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	165295	65.553	ug/l #	11

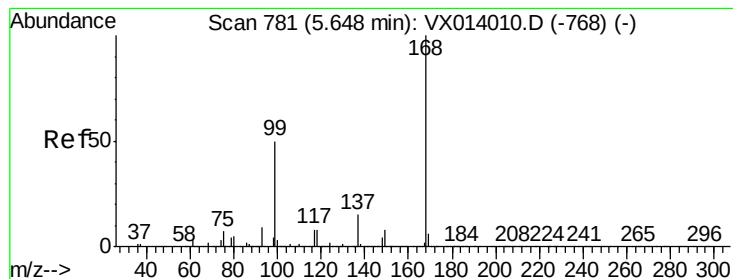
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121619\
Data File : VX014030.D
Acq On : 16 Dec 2019 13:17
Operator : JC/SP
Sample : K6295-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Quant Time: Dec 17 03:27:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
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: VX014030.D

Acq: 16 Dec 2019 13:17

Instrument :

MSVOA_X

ClientSampleId :

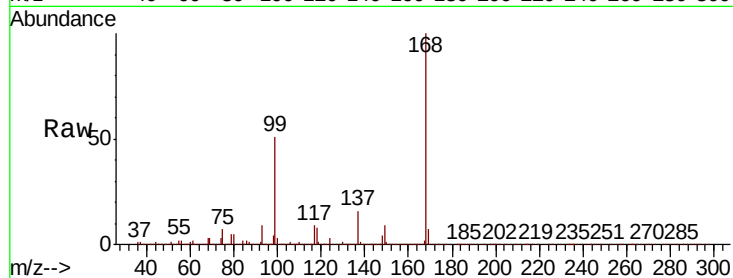
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 580963

Ion Ratio Lower Upper

168 100

99 51.3 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

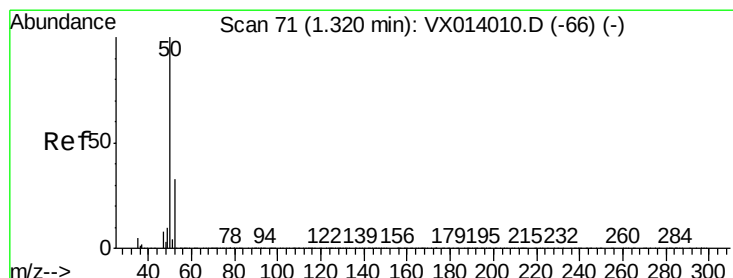
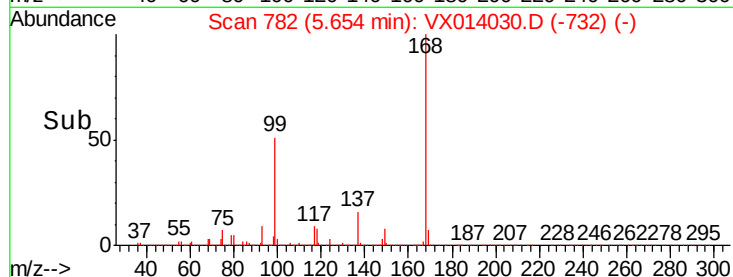
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.498 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014030.D

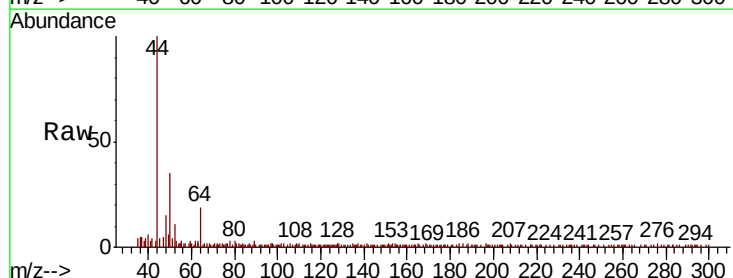
Acq: 16 Dec 2019 13:17

Tgt Ion: 50 Resp: 3475

Ion Ratio Lower Upper

50 100

52 28.4 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

4000

3000

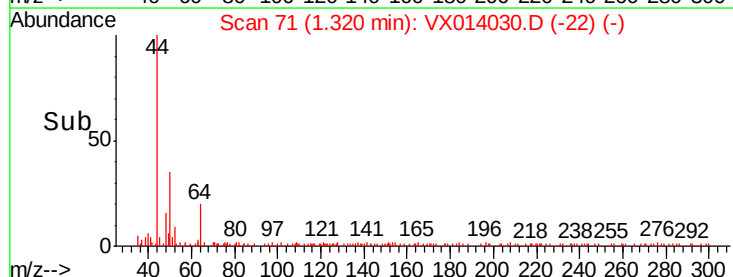
2000

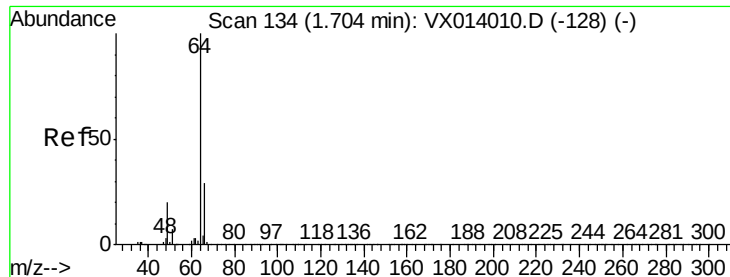
1000

0

Time-->

1.30 1.35





#6

Chloroethane

Concen: 2.960 ug/l

RT: 1.61 min Scan# 118

Delta R.T. -0.10 min

Lab File: VX014030.D

Acq: 16 Dec 2019 13:17

Instrument :

MSVOA_X

ClientSampleId :

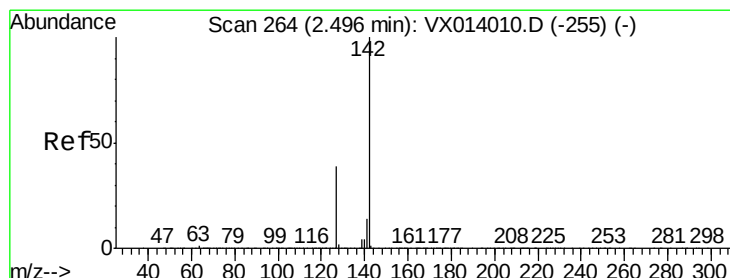
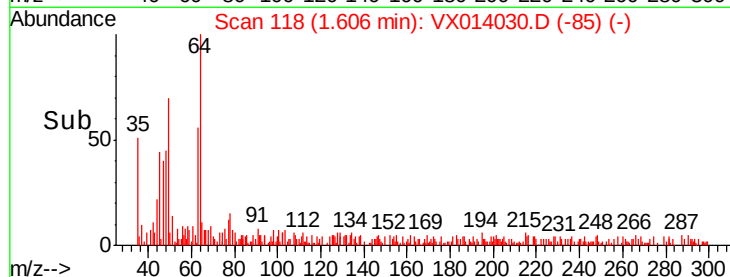
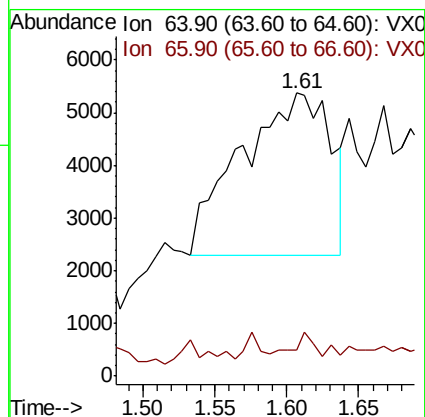
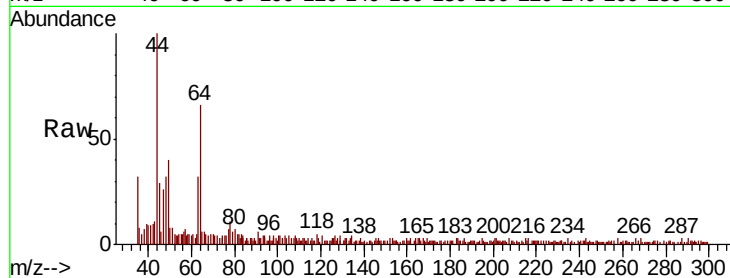
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 64 Resp: 13445

Ion Ratio Lower Upper

64 100

66 2.7 23.4 35.2#



#10

Methyl Iodide

Concen: 2.685 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX014030.D

Acq: 16 Dec 2019 13:17

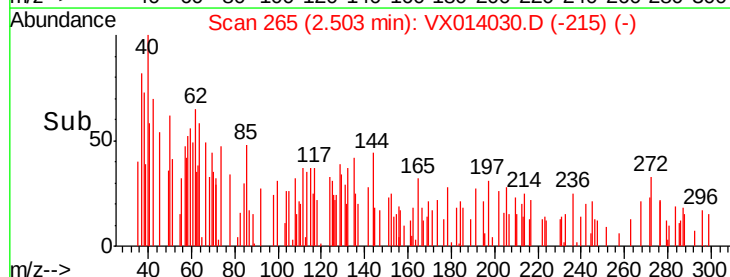
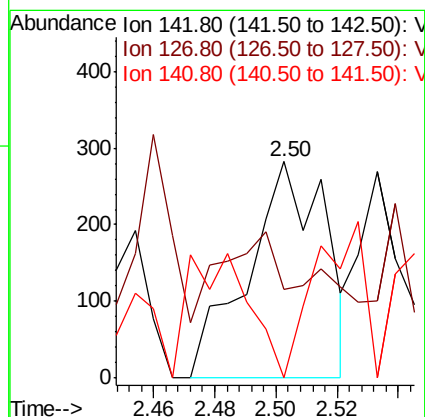
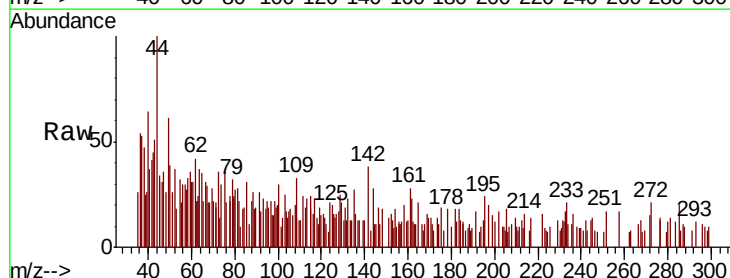
Tgt Ion:142 Resp: 493

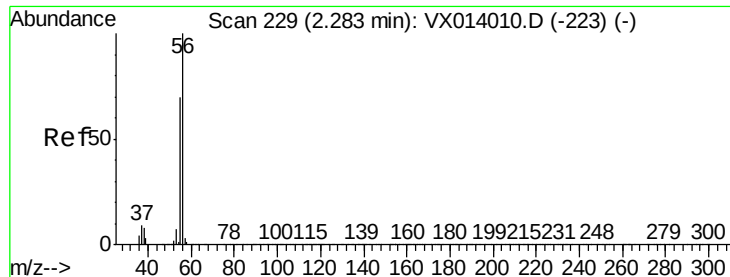
Ion Ratio Lower Upper

142 100

127 33.9 31.6 47.4

141 44.6 11.6 17.4#





#13

Acrolein

Concen: 0.416 ug/l

RT: 2.31 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX014030.D

Acq: 16 Dec 2019 13:17

Instrument :

MSVOA_X

ClientSampleId :

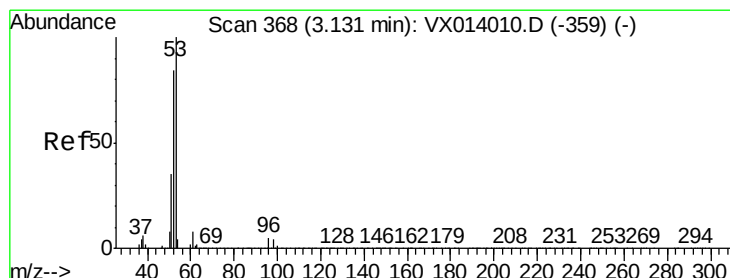
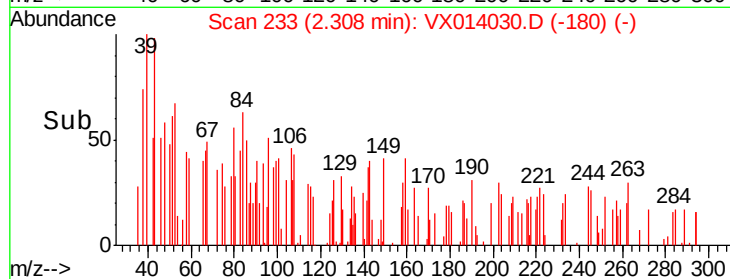
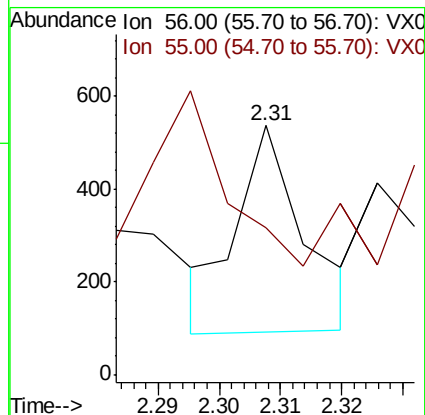
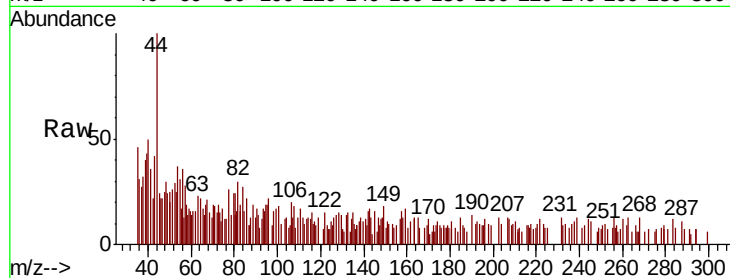
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 56 Resp: 339

Ion Ratio Lower Upper

56 100

55 88.2 56.9 85.3#



#15

Acrylonitrile

Concen: 0.210 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX014030.D

Acq: 16 Dec 2019 13:17

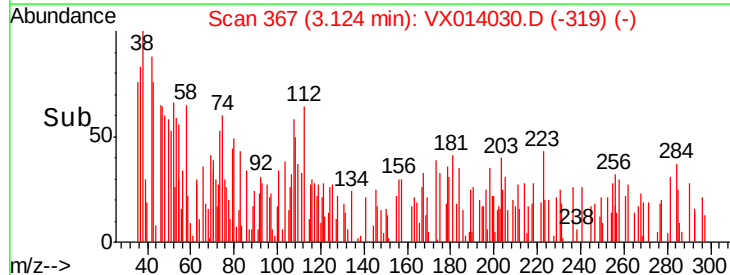
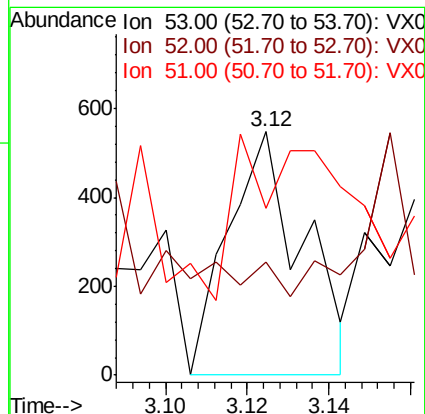
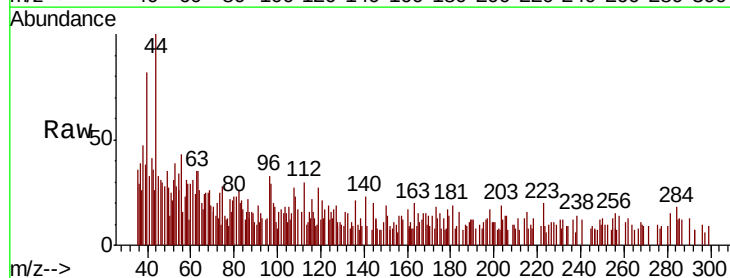
Tgt Ion: 53 Resp: 698

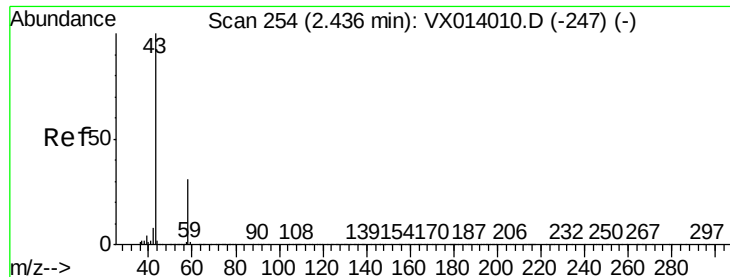
Ion Ratio Lower Upper

53 100

52 0.0 66.5 99.7#

51 95.6 28.1 42.1#





#16

Acetone

Concen: 2.488 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014030.D

Acq: 16 Dec 2019 13:17

Instrument :

MSVOA_X

ClientSampleId :

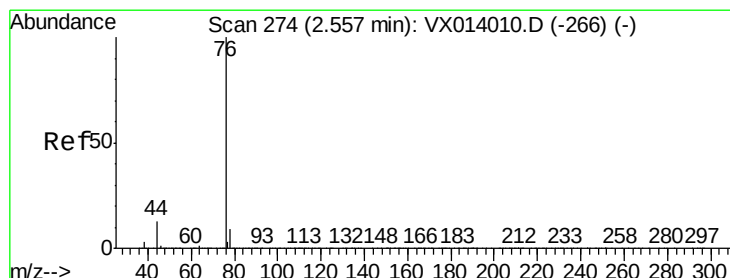
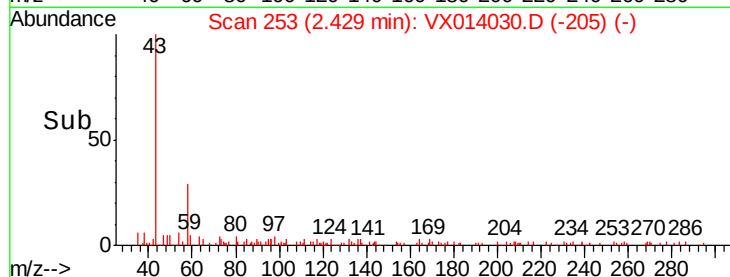
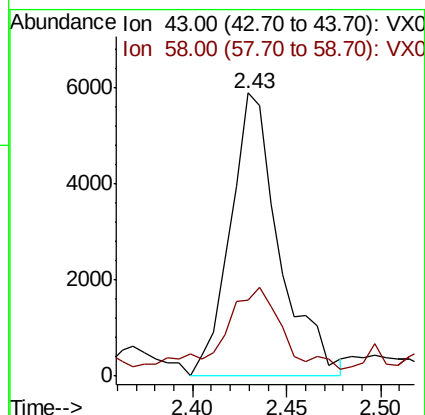
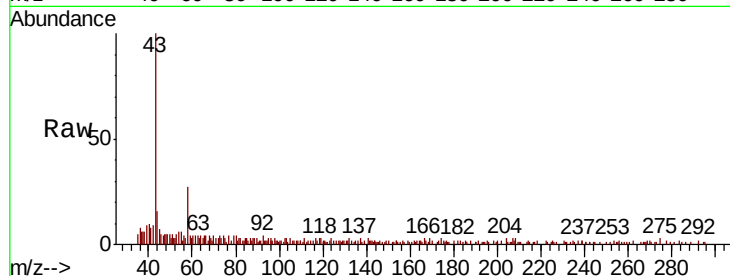
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 10637

Ion Ratio Lower Upper

43 100

58 24.2 24.9 37.3#



#17

Carbon Disulfide

Concen: 0.849 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014030.D

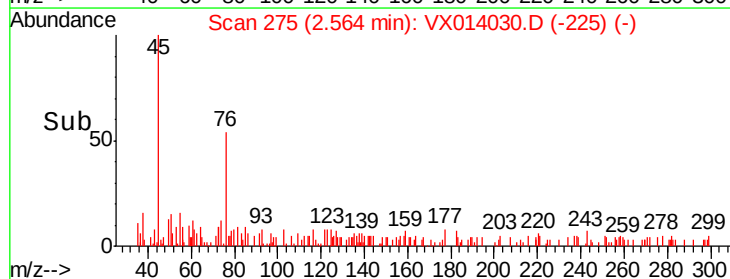
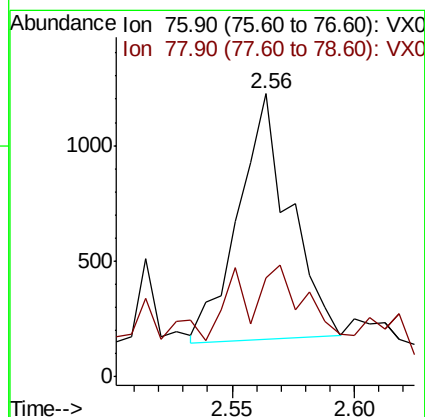
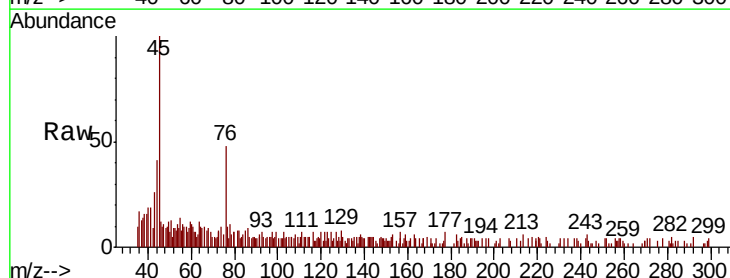
Acq: 16 Dec 2019 13:17

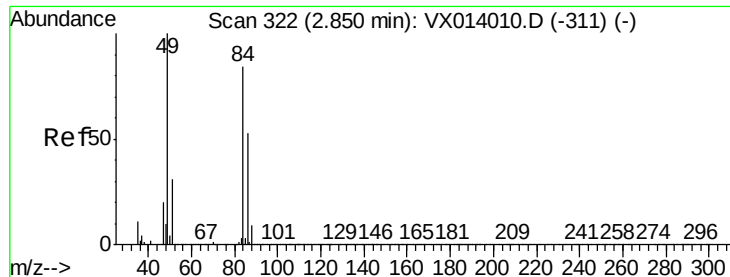
Tgt Ion: 76 Resp: 1555

Ion Ratio Lower Upper

76 100

78 23.2 7.2 10.8#

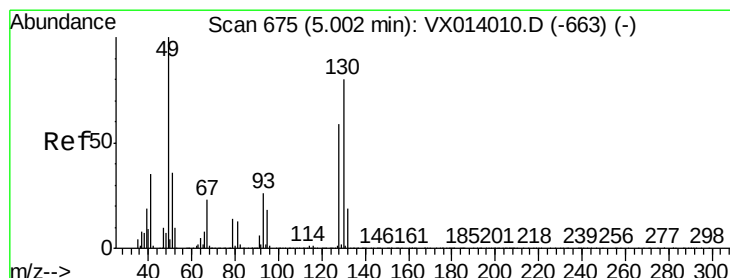
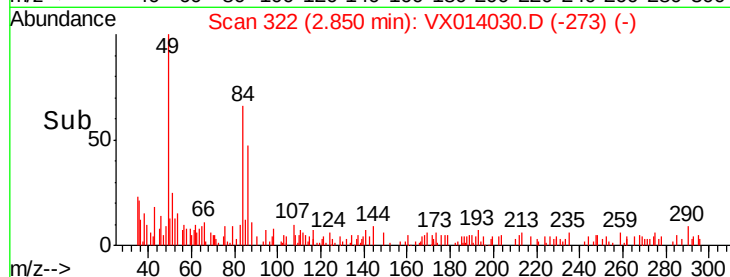
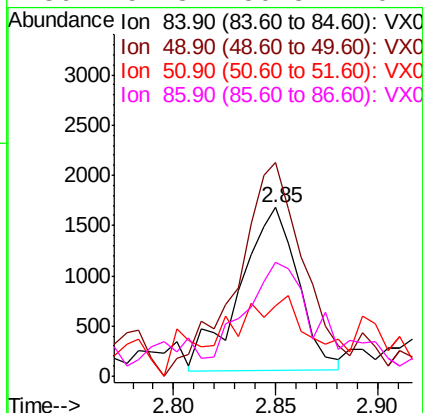
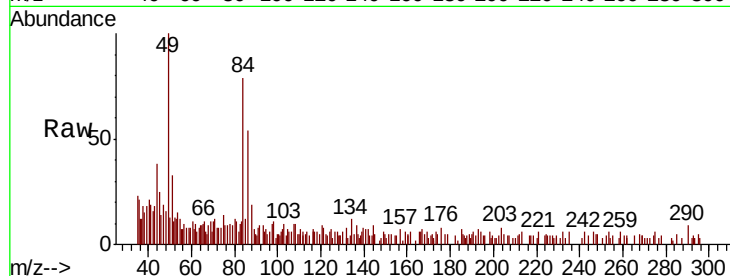




#20
Methvlene Chloride
Concen: 0.475 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014030.D
Acq: 16 Dec 2019 13:17

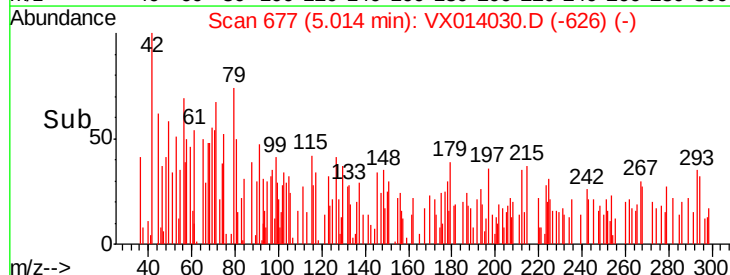
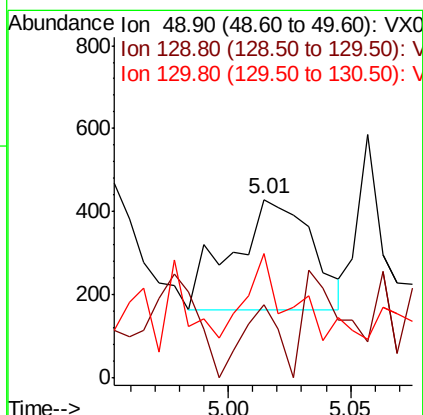
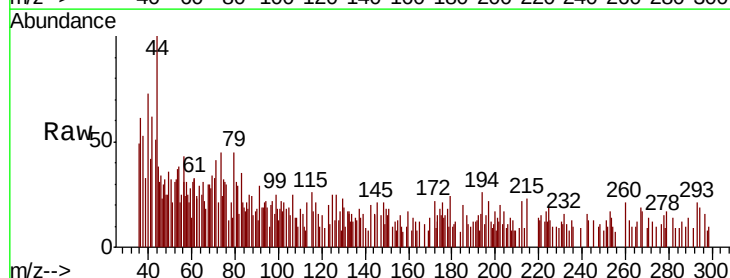
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

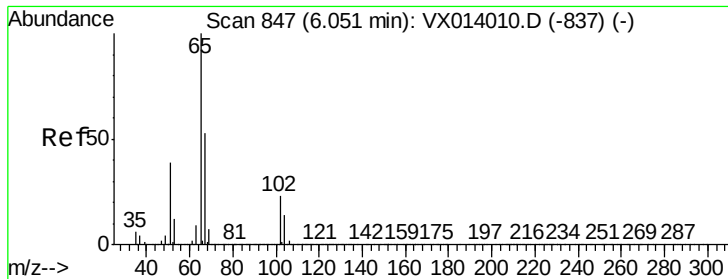
Tot Ion:	84	Resp:	3197
Ion	Ratio	Lower	Upper
84	100		
49	120.5	95.8	143.6
51	21.7	29.8	44.8#
86	54.8	50.8	76.2



#28
Bromochloromethane
Concen: 0.593 ug/l
RT: 5.01 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX014030.D
Acq: 16 Dec 2019 13:17

Tgt Ion:	49	Resp:	598
Ion	Ratio	Lower	Upper
49	100		
129	29.9	0.0	5.0#
130	53.0	64.6	97.0#





#33

1,2-Dichloroethane-d4

Concen: 48.356 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014030.D

Acq: 16 Dec 2019 13:17

Instrument :

MSVOA_X

ClientSampleId :

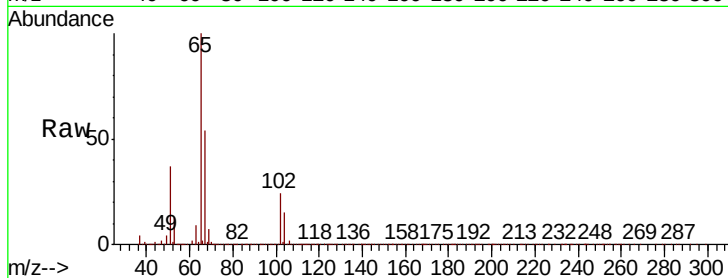
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 65 Resp: 318398

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

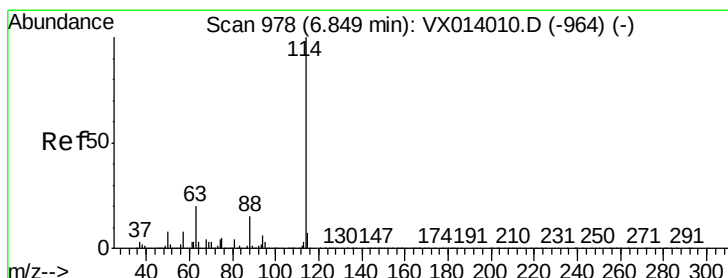
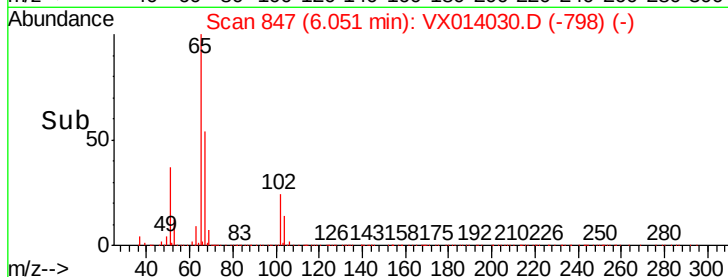
6.05

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014030.D

Acq: 16 Dec 2019 13:17

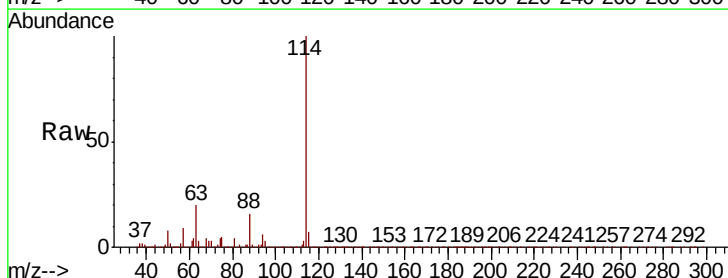
Tgt Ion: 114 Resp: 886737

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.6 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

500000

400000

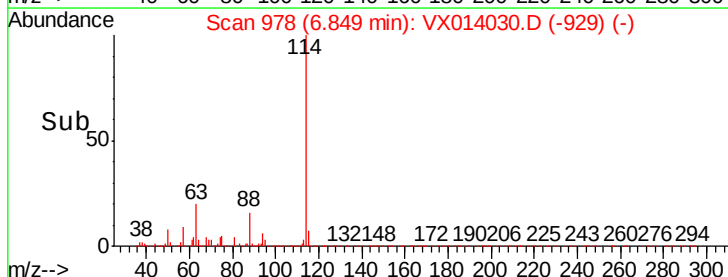
300000

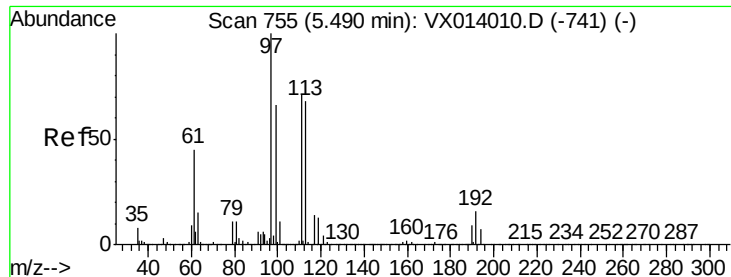
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.562 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014030.D

Acq: 16 Dec 2019 13:17

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

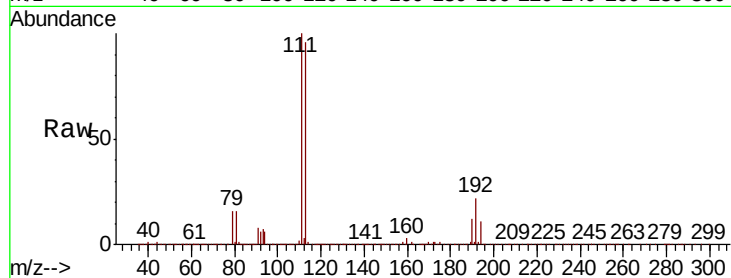
Tot Ion:113 Resp: 261766

Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

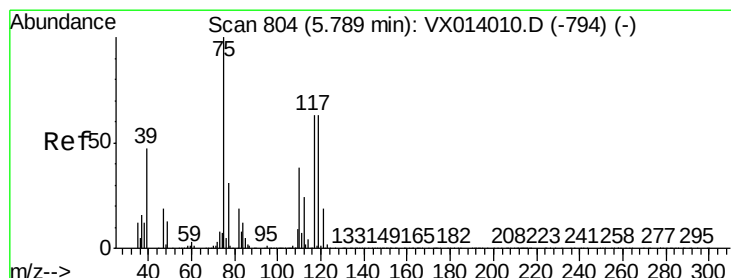
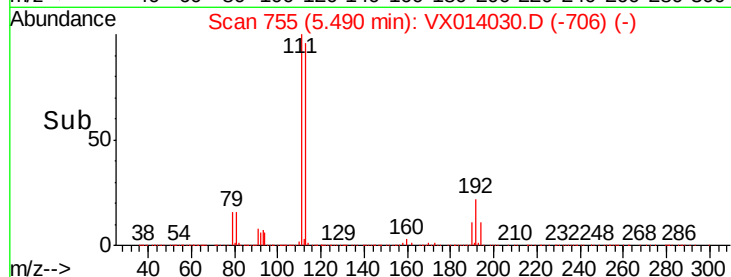
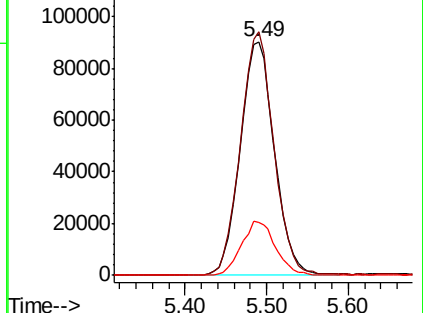
192 23.4 19.3 28.9



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: 4.998 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX014030.D

Acq: 16 Dec 2019 13:17

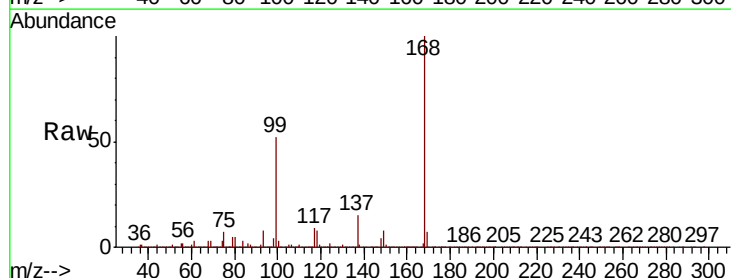
Tgt Ion: 75 Resp: 40663

Ion Ratio Lower Upper

75 100

110 8.2 18.3 54.9#

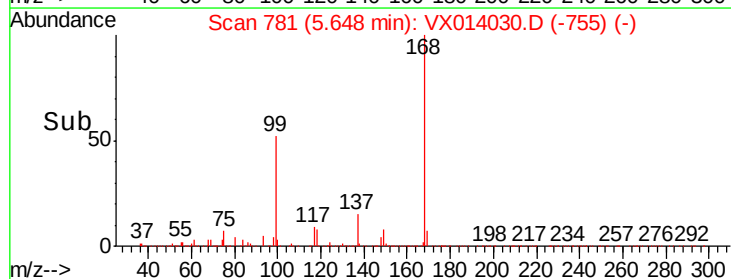
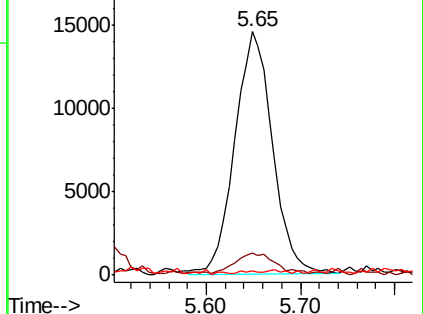
77 0.5 24.8 37.2#

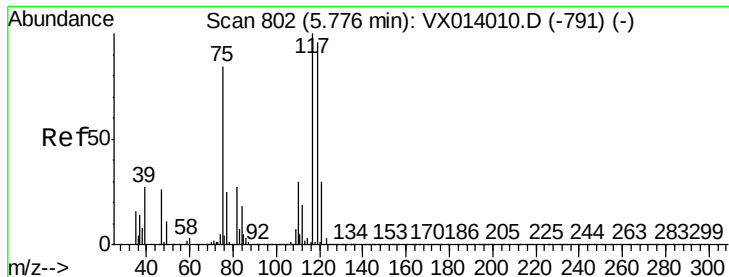


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.802 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014030.D

Acq: 16 Dec 2019 13:17

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

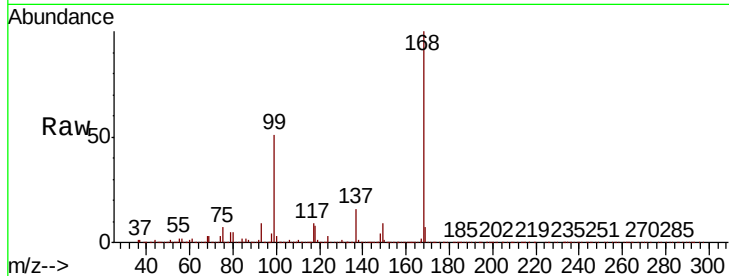
Tot Ion:117 Resp: 50419

Ion Ratio Lower Upper

117 100

119 7.8 76.2 114.4#

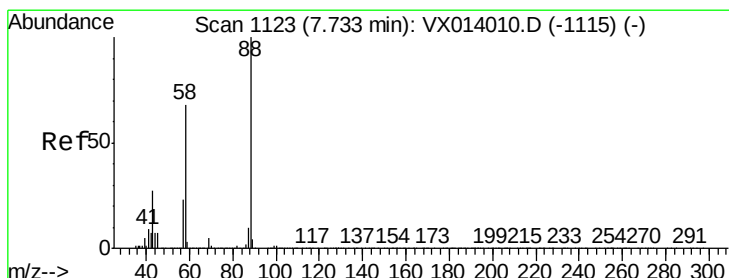
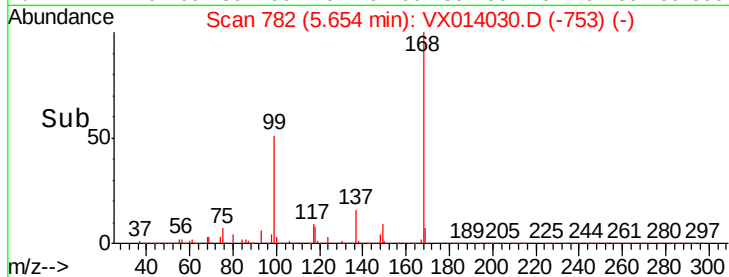
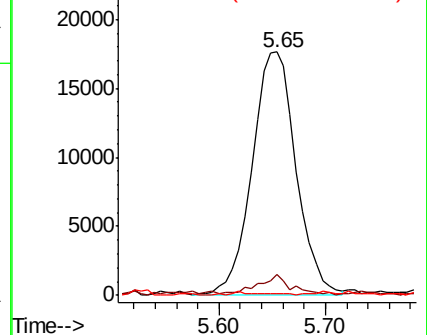
121 0.1 23.6 35.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.282 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX014030.D

Acq: 16 Dec 2019 13:17

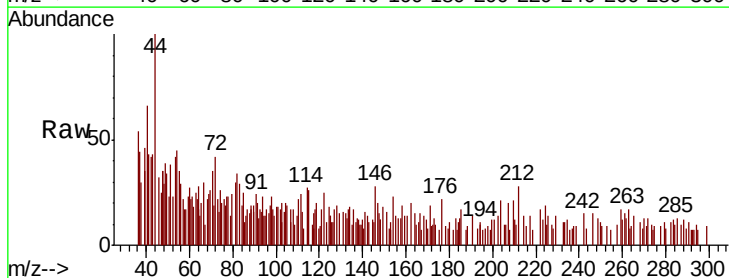
Tgt Ion: 88 Resp: 190

Ion Ratio Lower Upper

88 100

43 481.6 26.5 39.7#

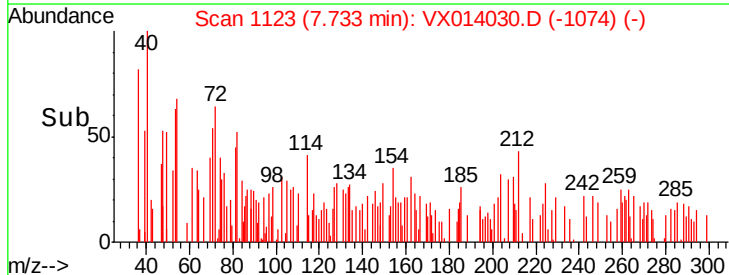
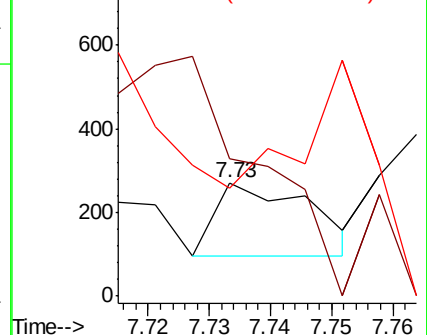
58 317.4 56.8 85.2#

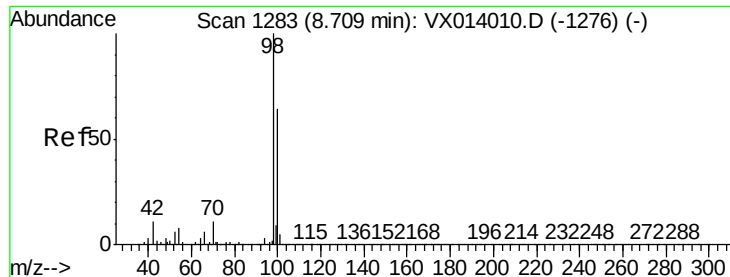


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

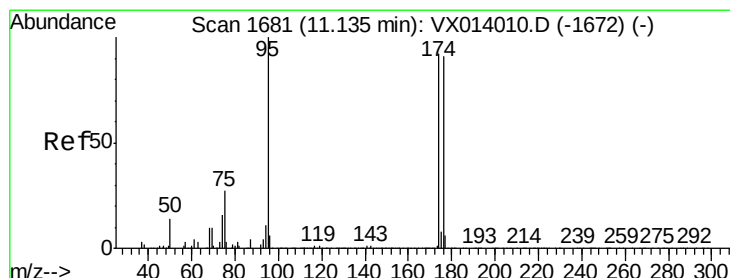
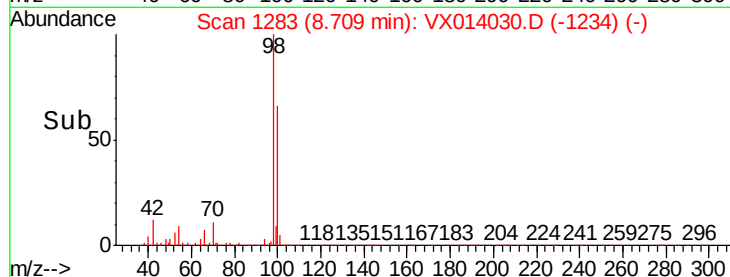
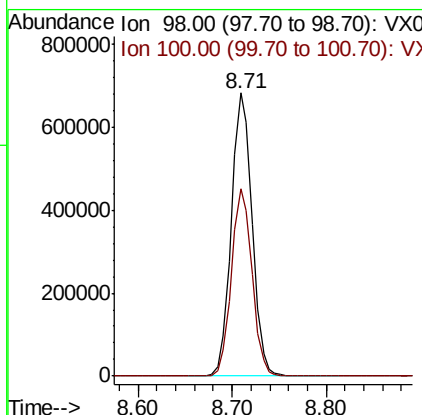
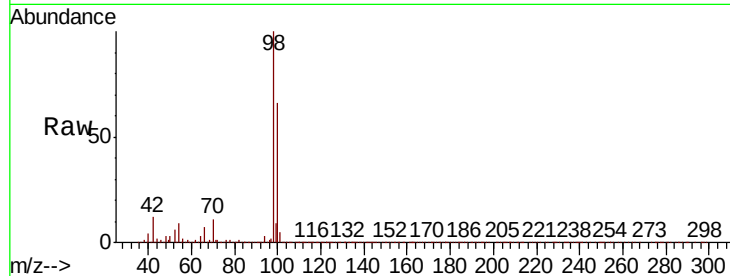




#50
Toluene-d8
Concen: 49.704 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014030.D
Acq: 16 Dec 2019 13:17

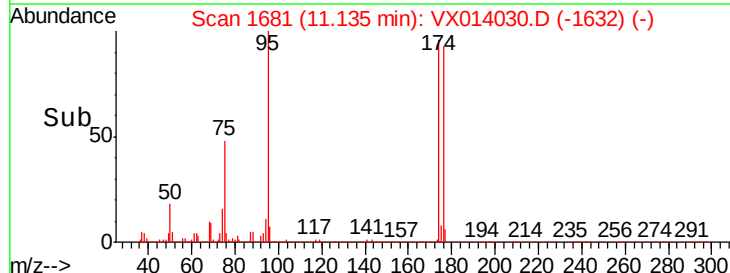
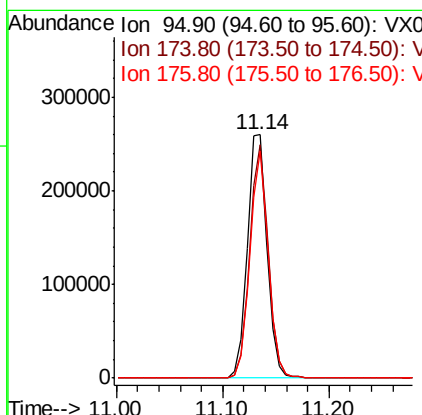
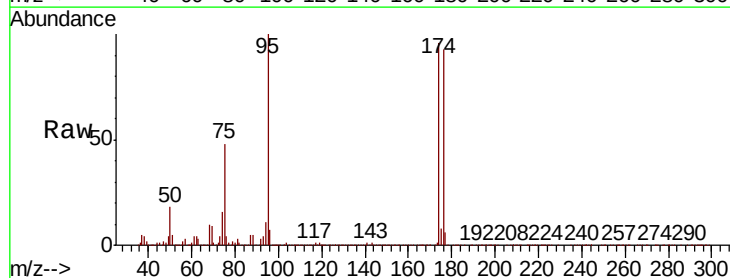
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

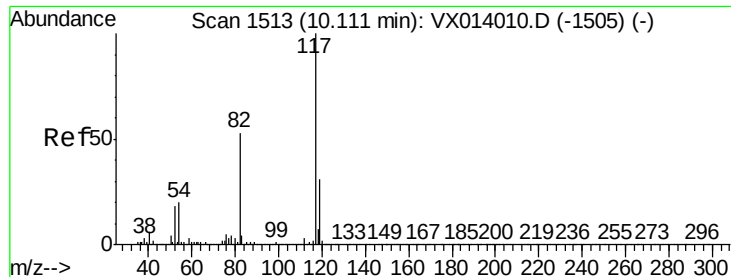
Tot Ion: 98 Resp: 1043085
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 44.366 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX014030.D
Acq: 16 Dec 2019 13:17

Tgt Ion: 95 Resp: 340348
Ion Ratio Lower Upper
95 100
174 90.2 0.0 175.8
176 86.8 0.0 173.0

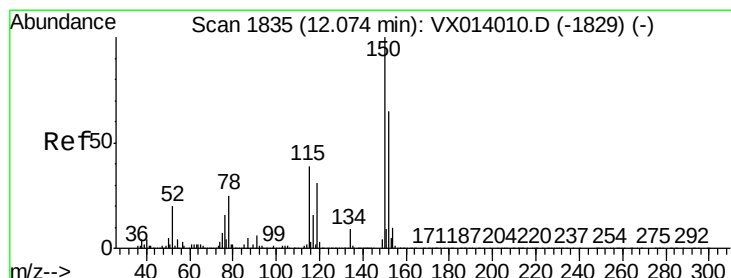
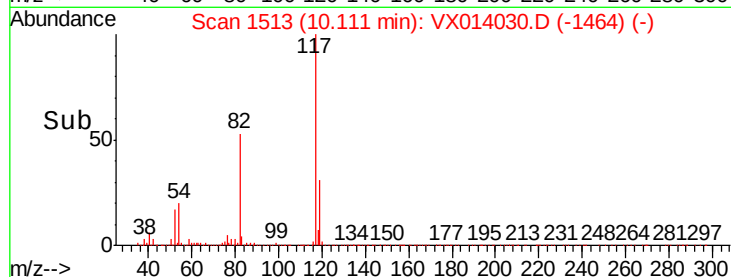
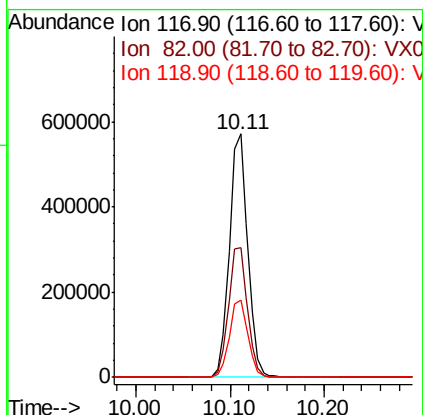
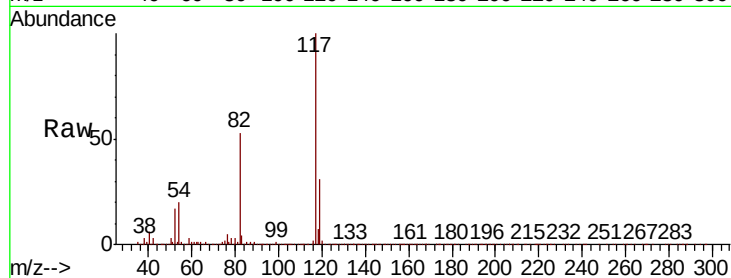




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014030.D
Acq: 16 Dec 2019 13:17

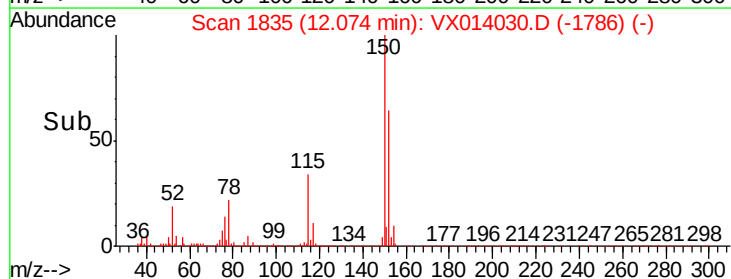
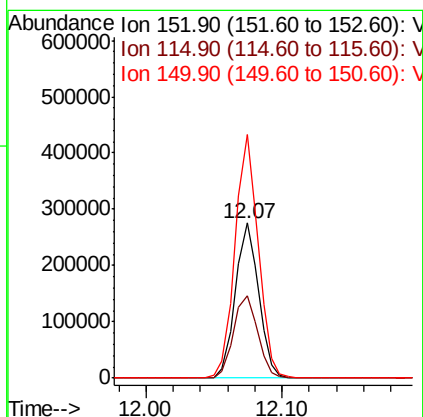
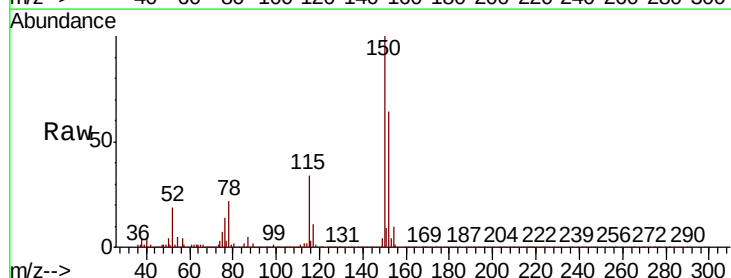
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

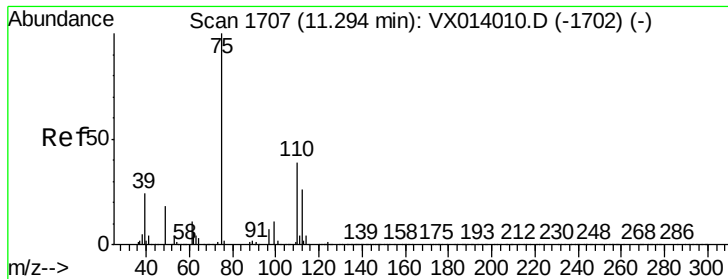
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.2	63.4
119	31.5	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014030.D
Acq: 16 Dec 2019 13:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	38.3	114.9
150	156.4	0.0	345.4





#76

1,2,3-Trichloropropane

Concen: 23.225 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014030.D

Acq: 16 Dec 2019 13:17

Instrument :

MSVOA_X

ClientSampleId :

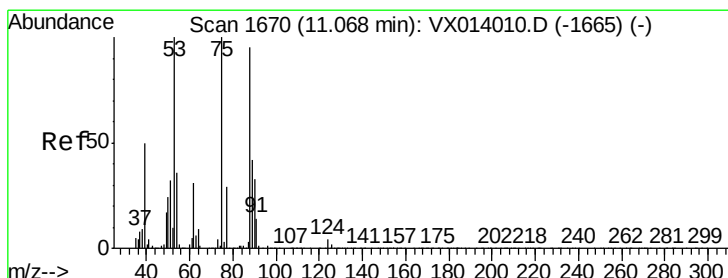
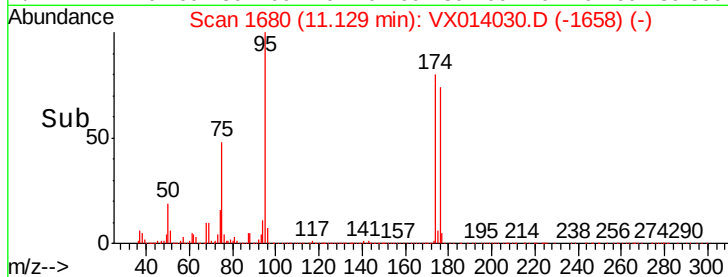
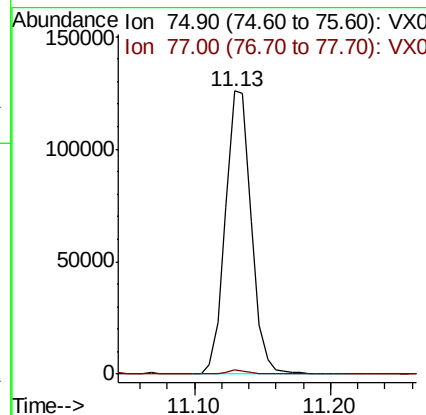
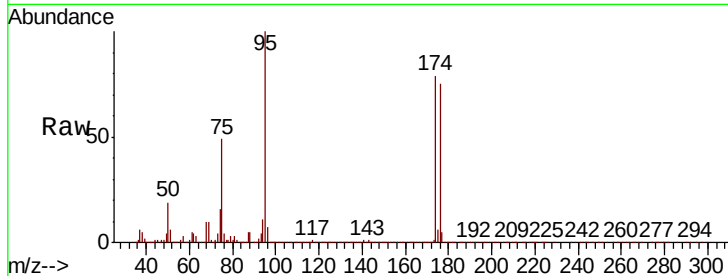
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 165295

Ion Ratio Lower Upper

75 100

77 1.5 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.553 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014030.D

Acq: 16 Dec 2019 13:17

Tgt Ion: 75 Resp: 165295

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.0 34.6 51.8#

