

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042619\
 Data File : VX009182.D
 Acq On : 26 Apr 2019 12:16
 Operator : JC/SP
 Sample : K2581-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Apr 27 04:00:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	215340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	346418	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	303611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	127271	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	142426	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
35) Dibromofluoromethane	5.50	113	104578	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
50) Toluene-d8	8.71	98	436651	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.13	95	143958	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	

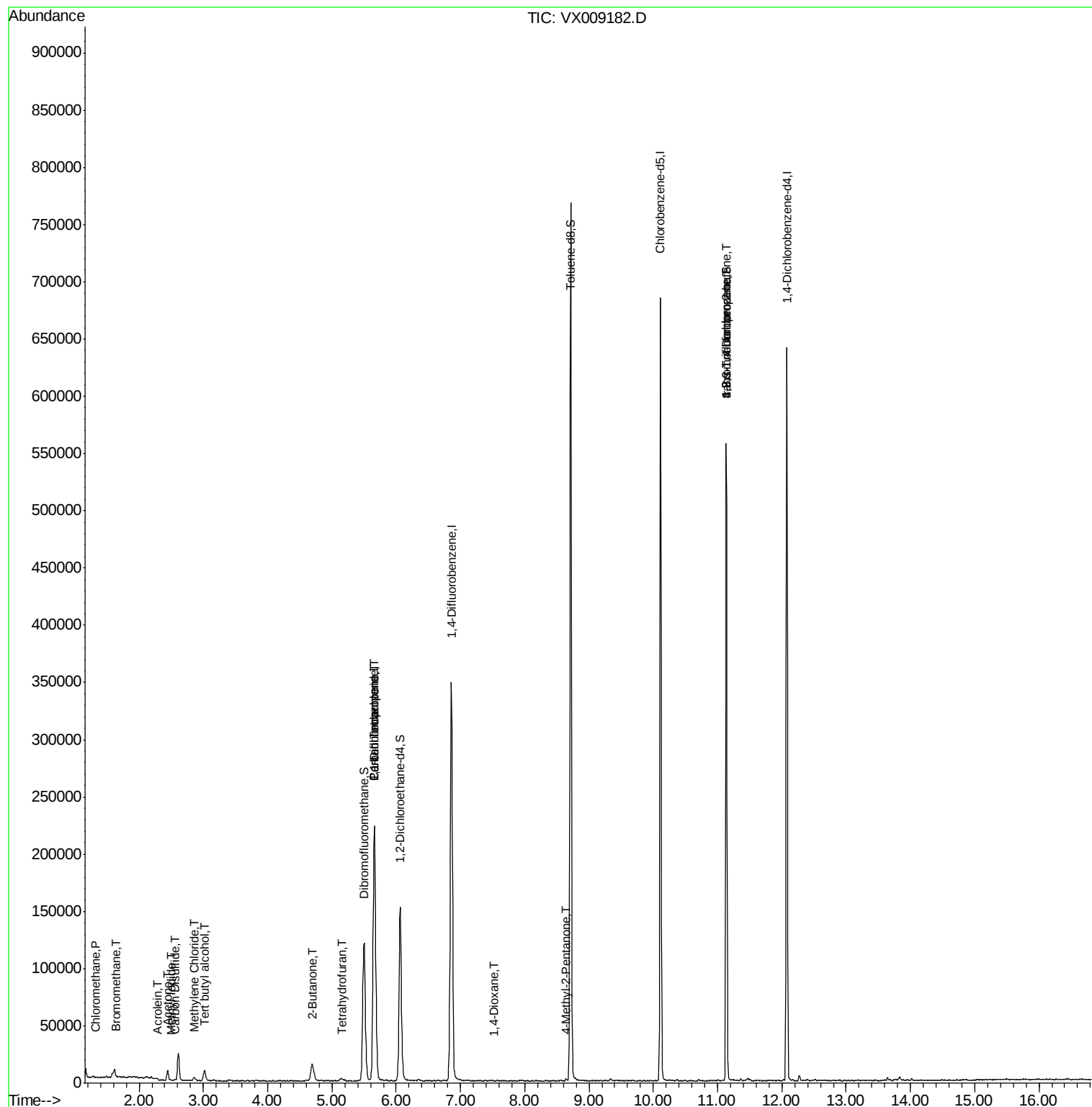
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	621	0.204	ug/l #	59
5) Bromomethane	1.65	94	411	4.053	ug/l #	56
10) Methyl Iodide	2.51	142	429	4.576	ug/l #	87
11) Tert butyl alcohol	3.02	59	6652	9.875	ug/l #	80
13) Acrolein	2.29	56	253	0.435	ug/l #	1
16) Acetone	2.45	43	10157	6.454	ug/l	96
17) Carbon Disulfide	2.57	76	1349	1.446	ug/l #	85
20) Methylene Chloride	2.86	84	1471	0.547	ug/l #	81
25) 2-Butanone	4.69	43	3530	1.403	ug/l	99
28) Bromochloromethane	5.00	49	60	Below Cal	#	21
29) Tetrahydrofuran	5.15	42	2394	1.422	ug/l	94
36) 1,1-Dichloropropene	5.66	75	17114	4.777	ug/l #	50
38) Carbon Tetrachloride	5.66	117	20232	6.661	ug/l #	19
49) 1,4-Dioxane	7.52	88	43	0.626	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	1622	0.343	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	71987	23.164	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	71987	59.469	ug/l #	11

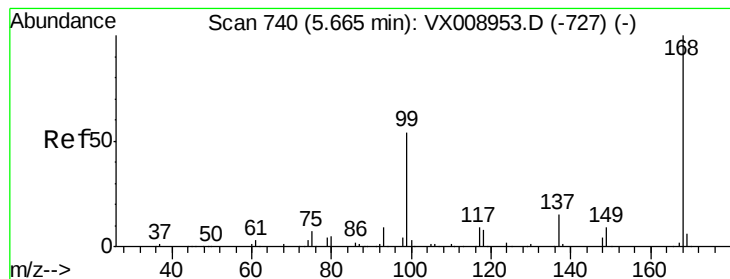
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042619\
Data File : VX009182.D
Acq On : 26 Apr 2019 12:16
Operator : JC/SP
Sample : K2581-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleID :
TRIP-BLANK

Quant Time: Apr 27 04:00:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009182.D

Acq: 26 Apr 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

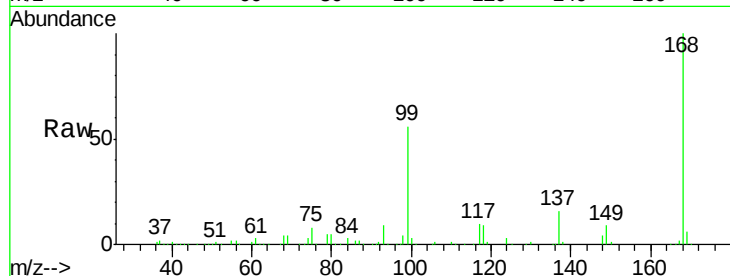
TRIP-BLANK

Tot Ion:168 Resp: 215340

Ion Ratio Lower Upper

168 100

99 56.3 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

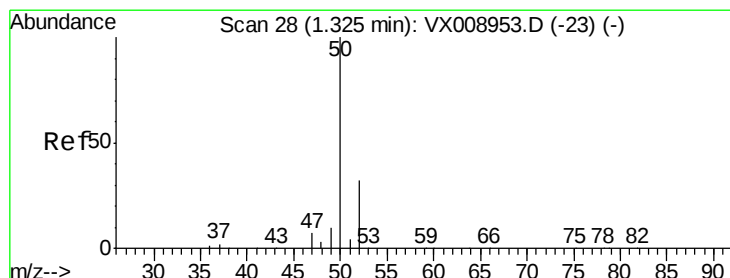
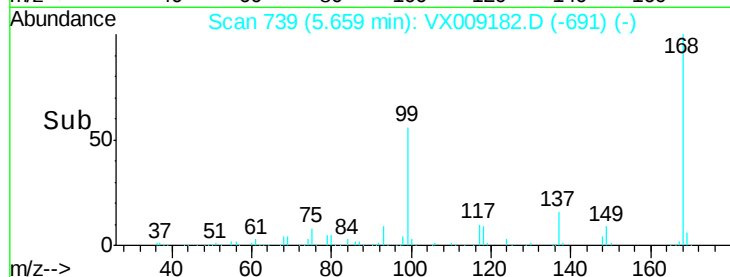
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.204 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009182.D

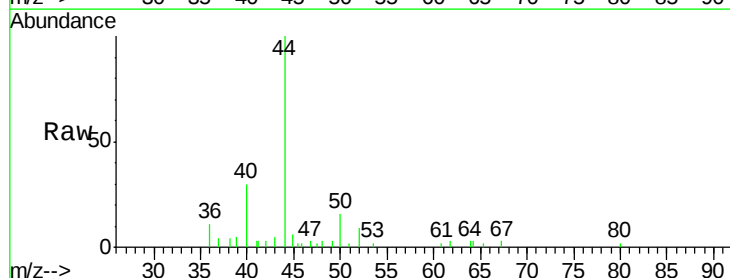
Acq: 26 Apr 2019 12:16

Tgt Ion: 50 Resp: 621

Ion Ratio Lower Upper

50 100

52 54.9 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

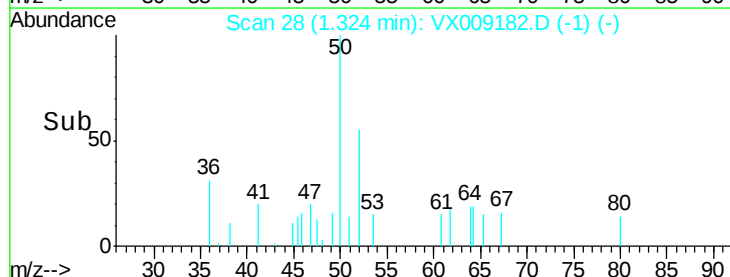
200

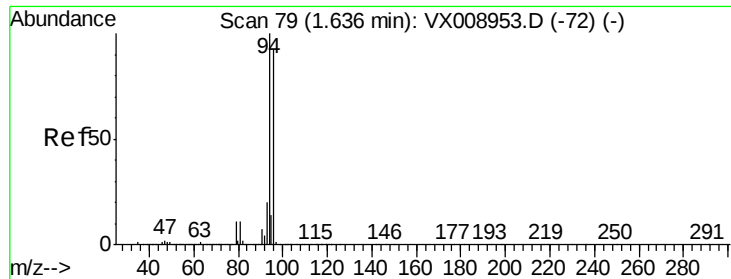
100

0

Time-->

1.25 1.30 1.35





#5

Bromomethane

Concen: 4.053 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009182.D

Acq: 26 Apr 2019 12:16

Instrument :

MSVOA_X

ClientSampled :

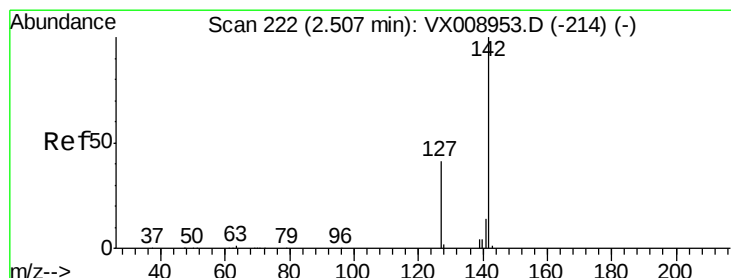
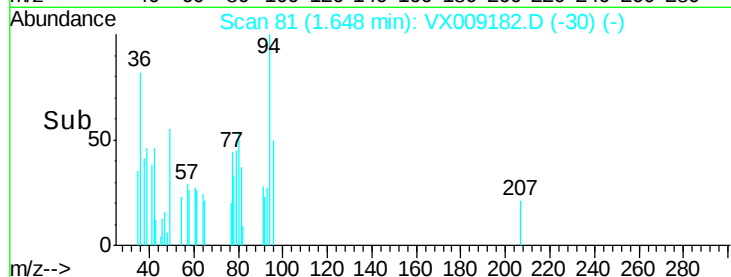
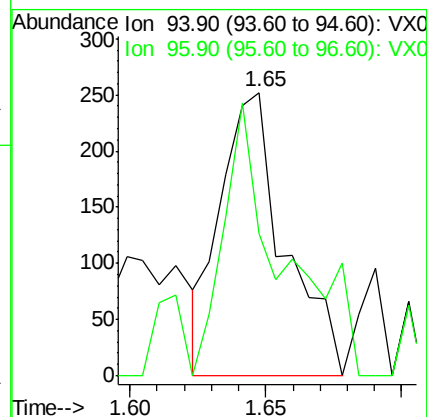
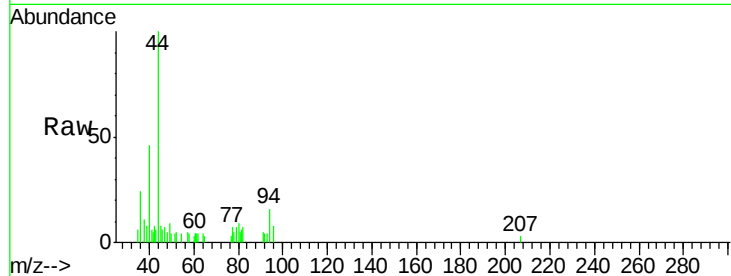
TRIP-BLANK

Tot Ion: 94 Resp: 411

Ion Ratio Lower Upper

94 100

96 50.4 73.9 110.9#



#10

Methyl Iodide

Concen: 4.576 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009182.D

Acq: 26 Apr 2019 12:16

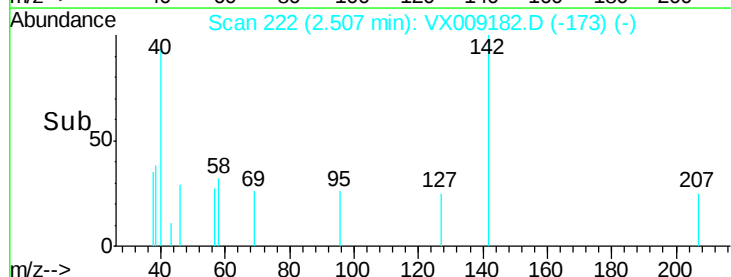
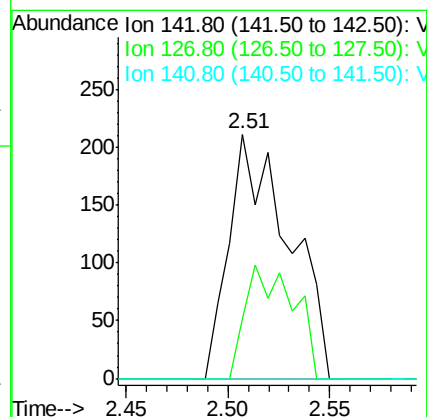
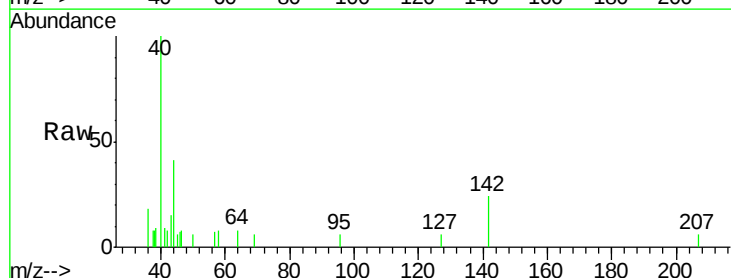
Tgt Ion: 142 Resp: 429

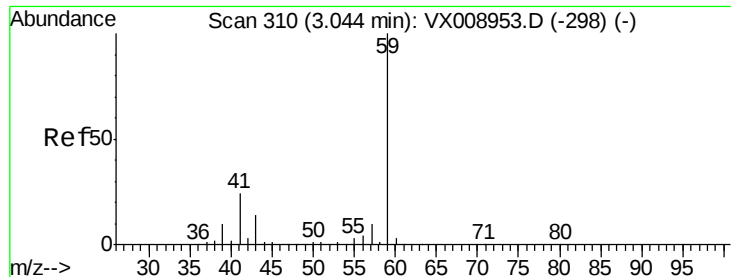
Ion Ratio Lower Upper

142 100

127 37.5 32.8 49.2

141 0.0 11.4 17.2#

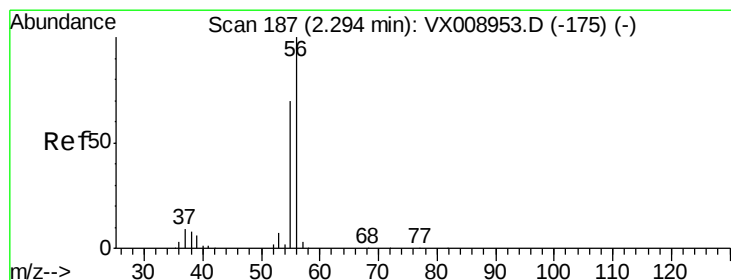
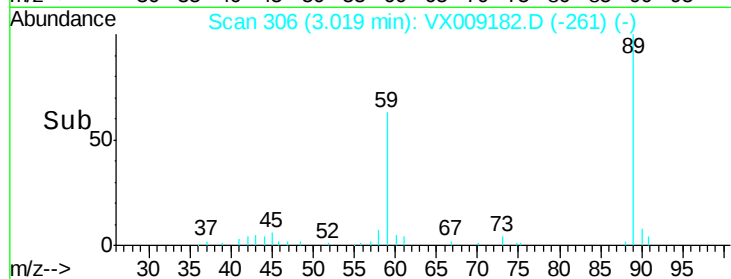
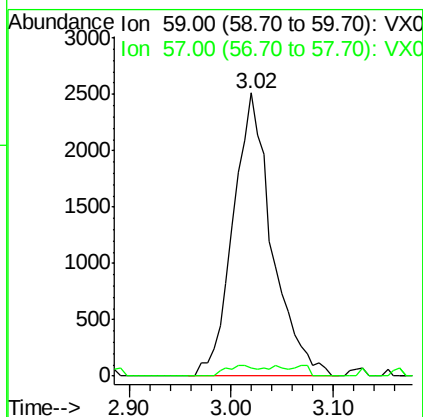
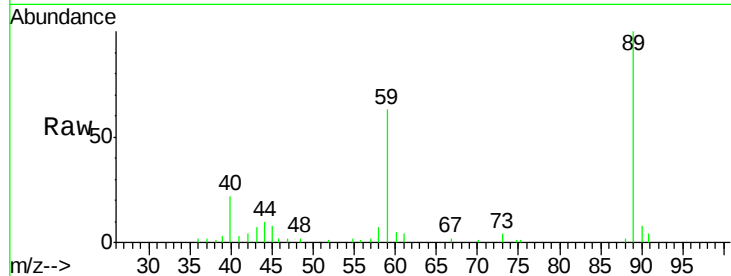




#11
Tert butyl alcohol
Concen: 9.875 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX009182.D
Acq: 26 Apr 2019 12:16

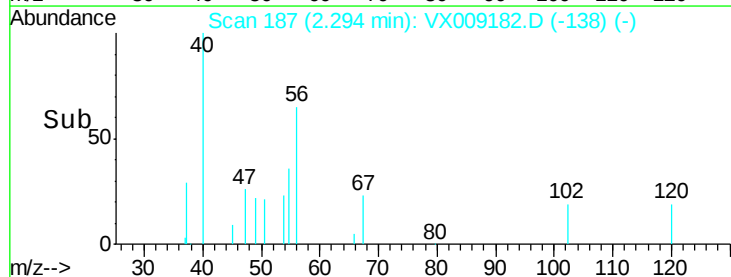
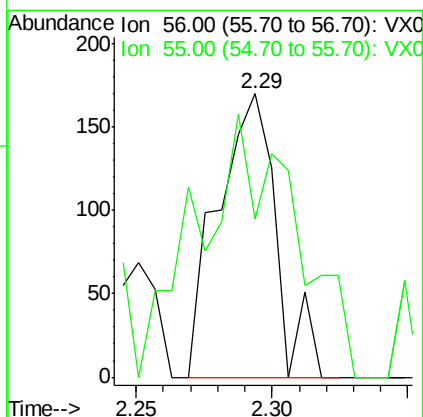
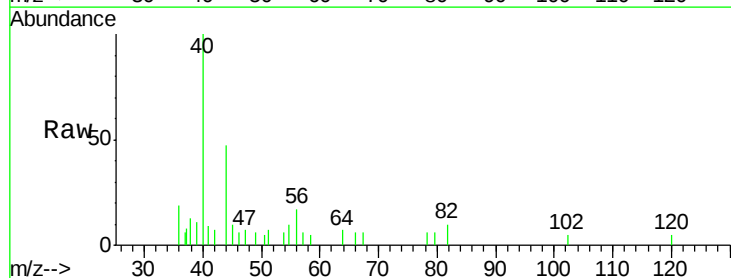
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

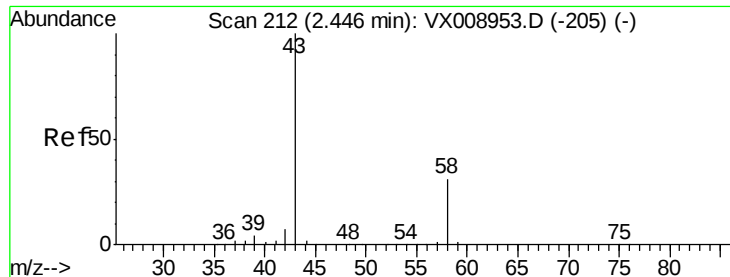
Tot Ion: 59 Resp: 6652
Ion Ratio Lower Upper
59 100
57 2.9 8.4 12.6#



#13
Acrolein
Concen: 0.435 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009182.D
Acq: 26 Apr 2019 12:16

Tgt Ion: 56 Resp: 253
Ion Ratio Lower Upper
56 100
55 155.3 56.6 84.8#





#16

Acetone

Concen: 6.454 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009182.D

Acq: 26 Apr 2019 12:16

Instrument :

MSVOA_X

ClientSampled :

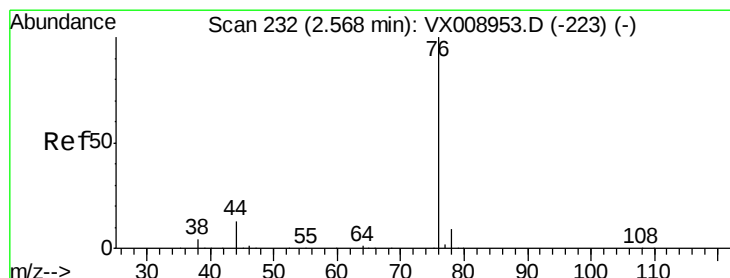
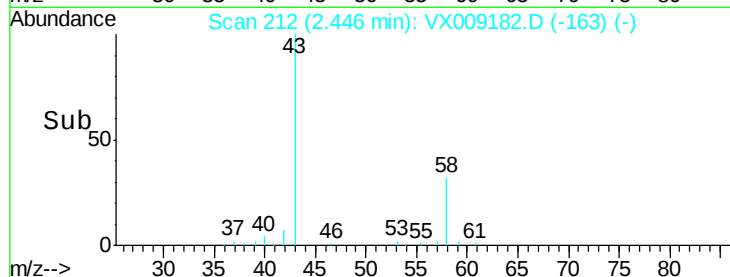
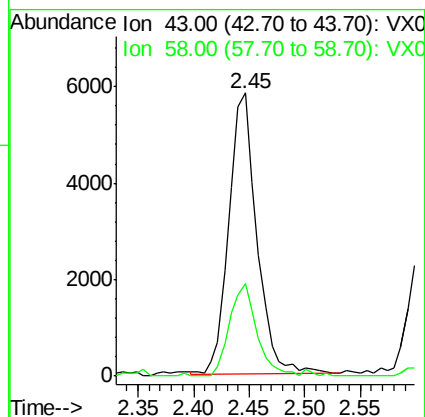
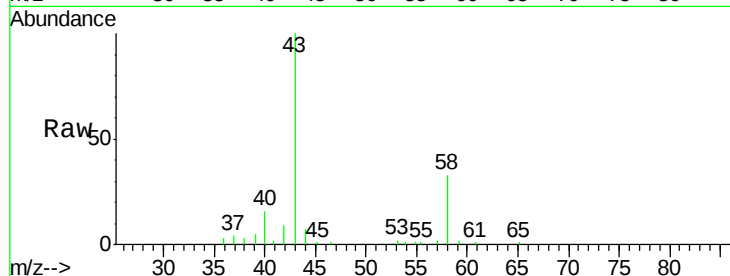
TRIP-BLANK

Tot Ion: 43 Resp: 10157

Ion Ratio Lower Upper

43 100

58 33.0 24.8 37.2



#17

Carbon Disulfide

Concen: 1.446 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009182.D

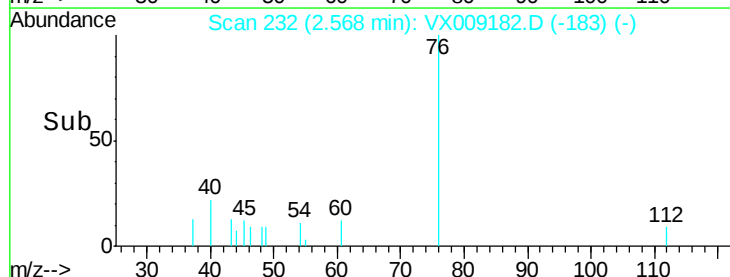
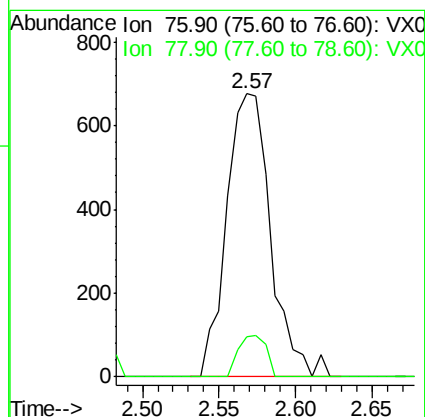
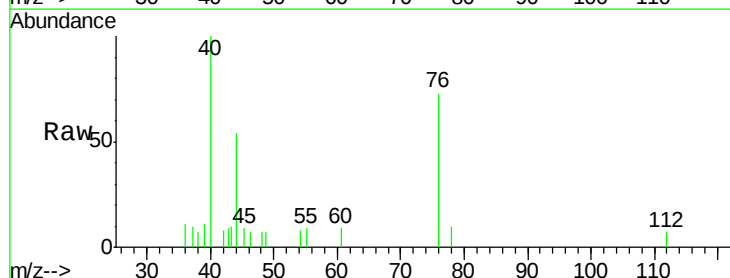
Acq: 26 Apr 2019 12:16

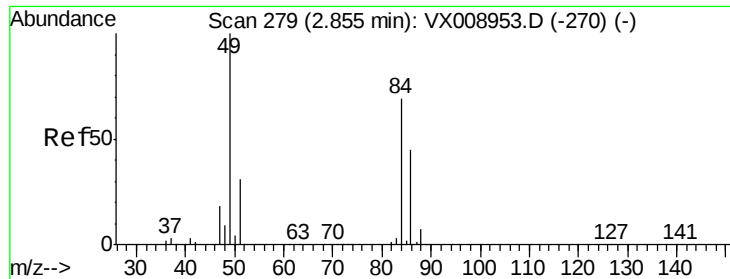
Tgt Ion: 76 Resp: 1349

Ion Ratio Lower Upper

76 100

78 14.3 7.2 10.8#

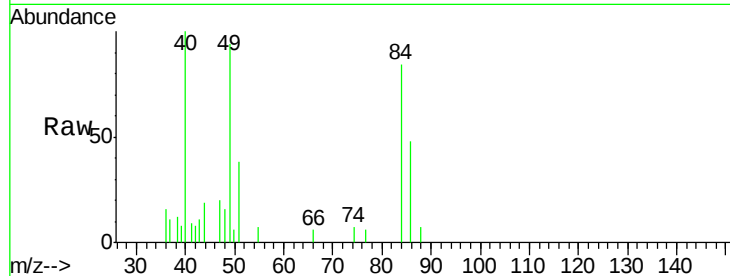




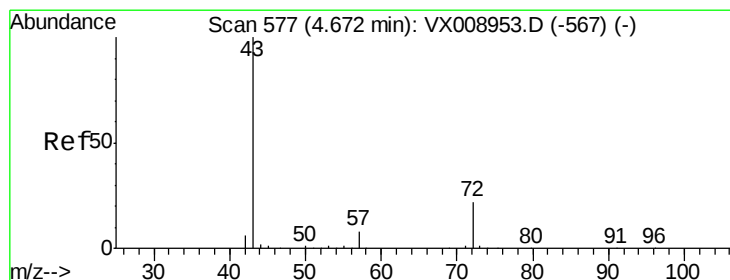
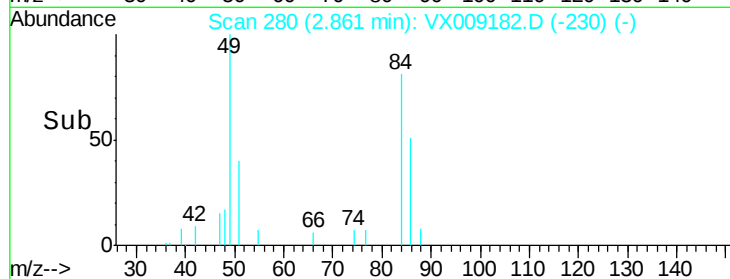
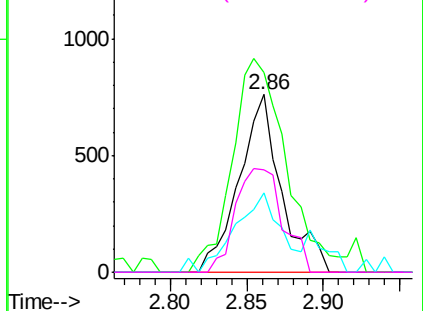
#20
Methylene Chloride
Concen: 0.547 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009182.D
Acq: 26 Apr 2019 12:16

Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

Tot Ion: 84 Resp: 1471
Ion Ratio Lower Upper
84 100
49 112.4 115.4 173.0#
51 37.1 35.8 53.6
86 57.6 52.1 78.1

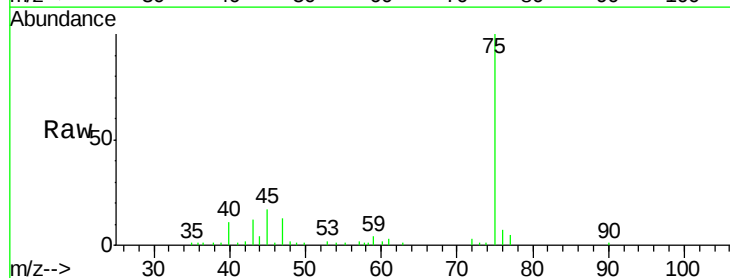


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

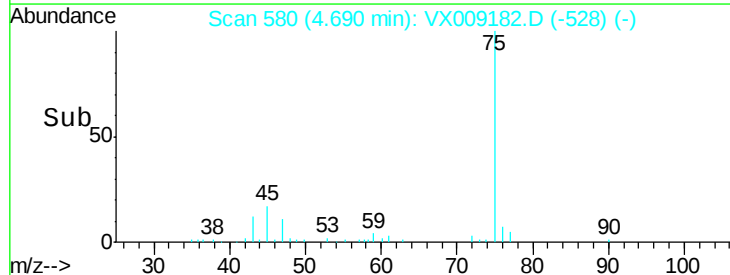
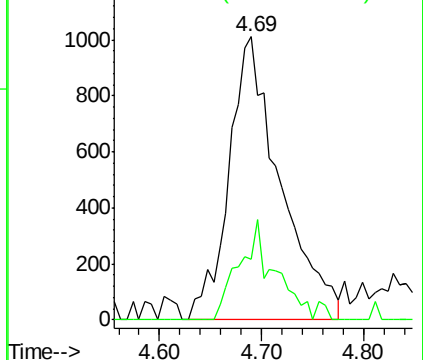


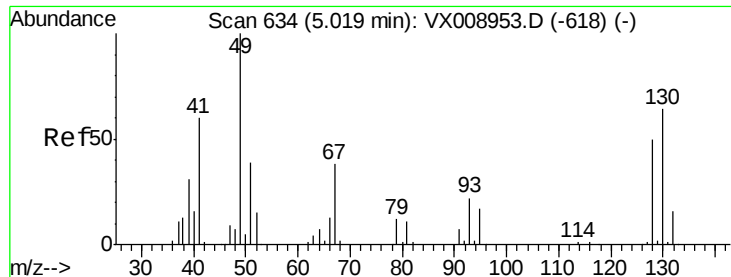
#25
2-Butanone
Concen: 1.403 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX009182.D
Acq: 26 Apr 2019 12:16

Tgt Ion: 43 Resp: 3530
Ion Ratio Lower Upper
43 100
72 21.5 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.02 min

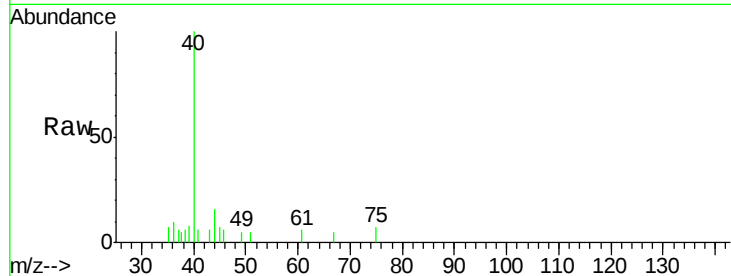
Lab File: VX009182.D

Acq: 26 Apr 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion: 49 Resp: 60

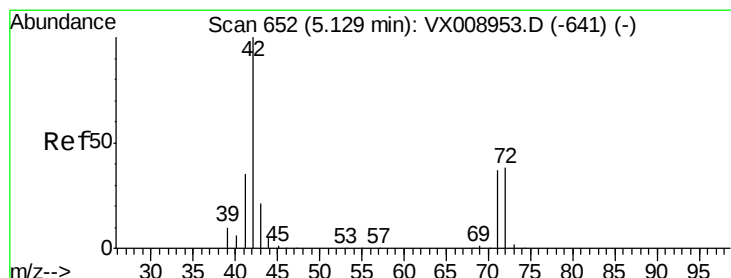
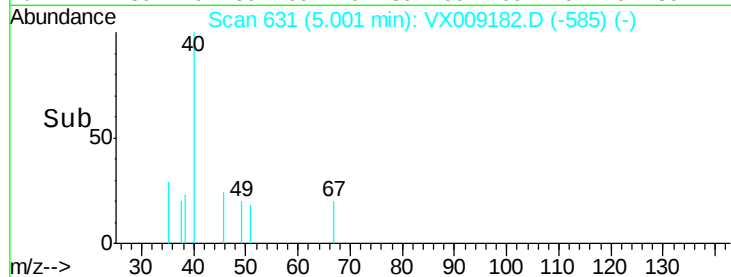
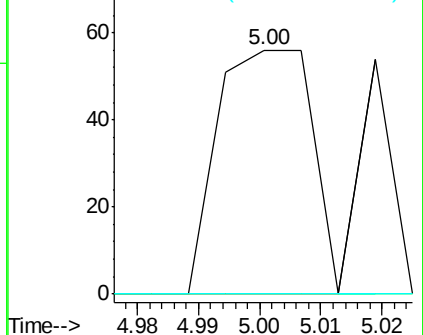
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	50.4	75.6#



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



#29

Tetrahydrofuran

Concen: 1.422 ug/l

RT: 5.15 min Scan# 655

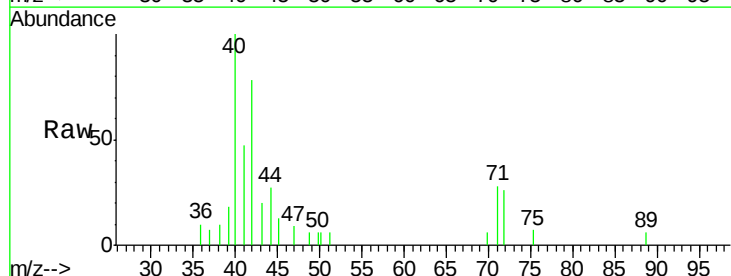
Delta R.T. 0.02 min

Lab File: VX009182.D

Acq: 26 Apr 2019 12:16

Tgt Ion: 42 Resp: 2394

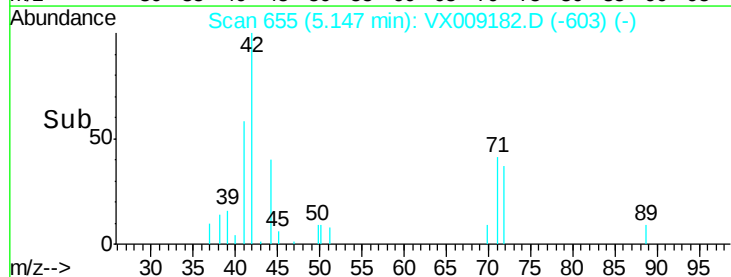
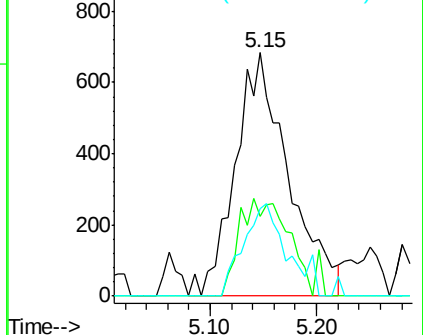
Ion	Ratio	Lower	Upper
42	100		
72	36.5	30.6	45.8
71	30.9	28.8	43.2

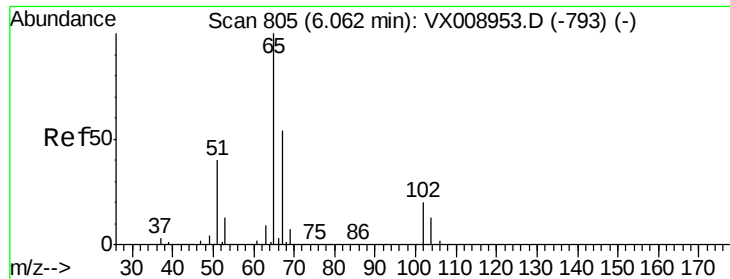


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.932 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009182.D

Acq: 26 Apr 2019 12:16

Instrument :

MSVOA_X

ClientSampled :

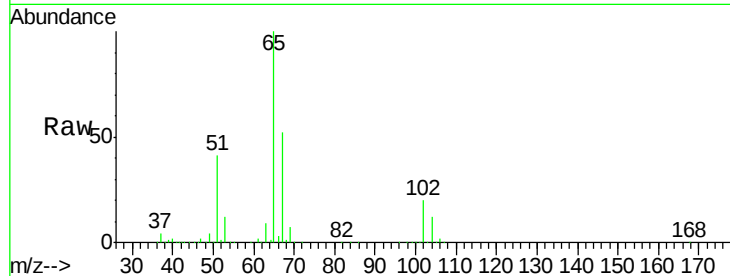
TRIP-BLANK

Tot Ion: 65 Resp: 142426

Ion Ratio Lower Upper

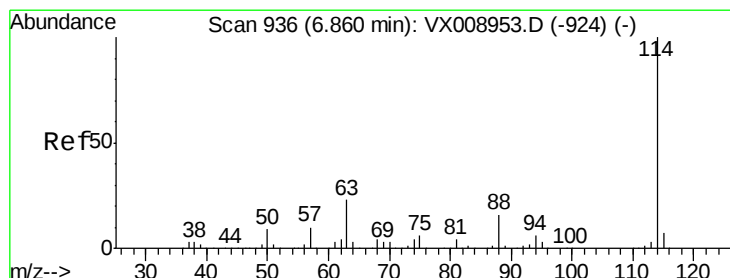
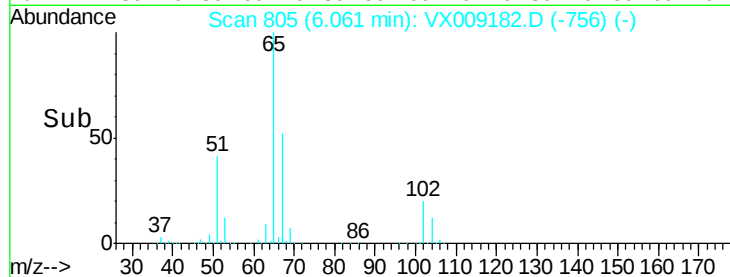
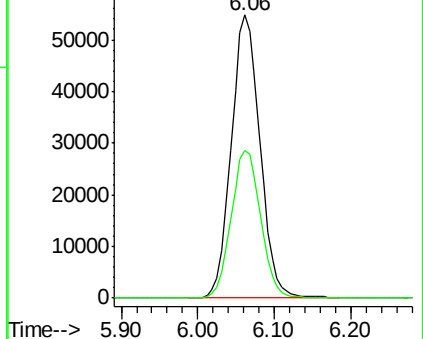
65 100

67 53.5 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009182.D

Acq: 26 Apr 2019 12:16

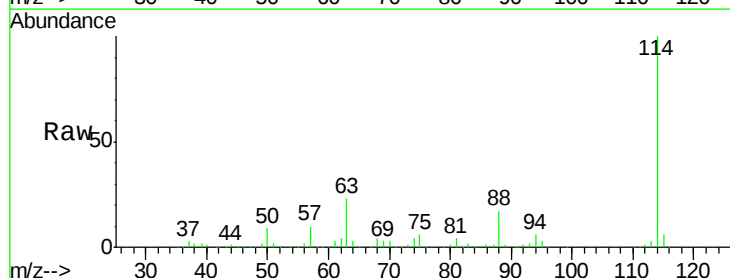
Tgt Ion: 114 Resp: 346418

Ion Ratio Lower Upper

114 100

63 23.0 0.0 46.0

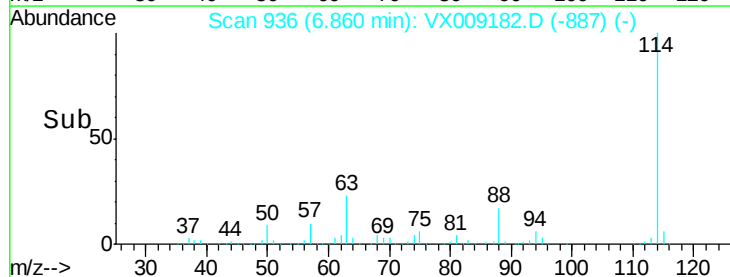
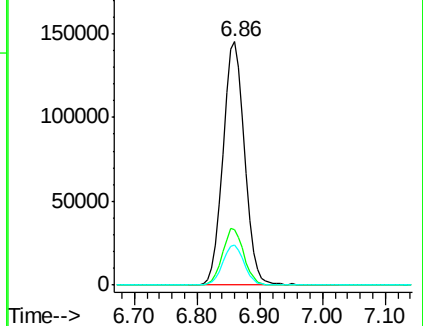
88 16.7 0.0 32.6

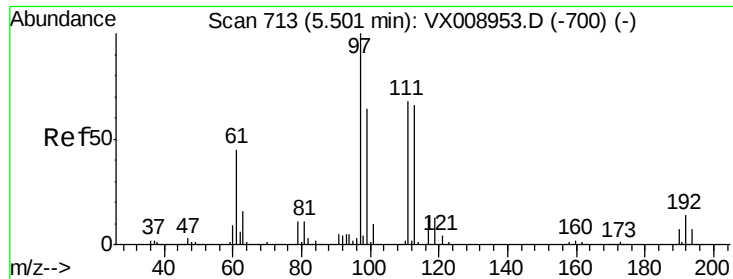


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

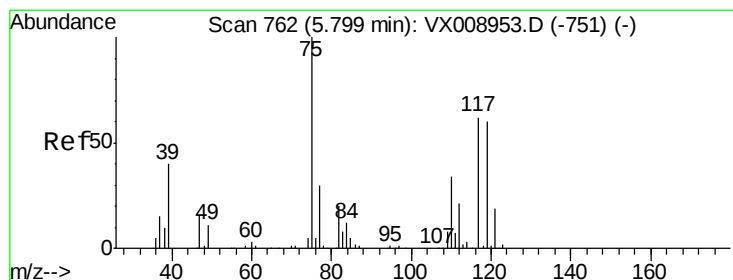
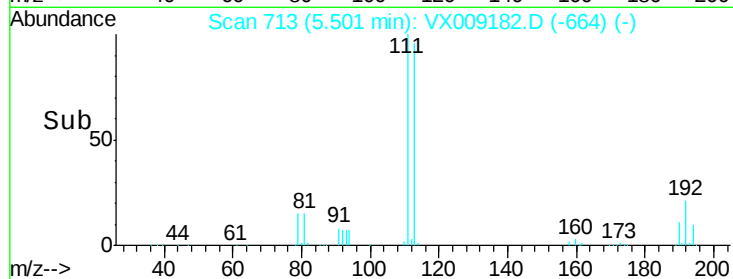
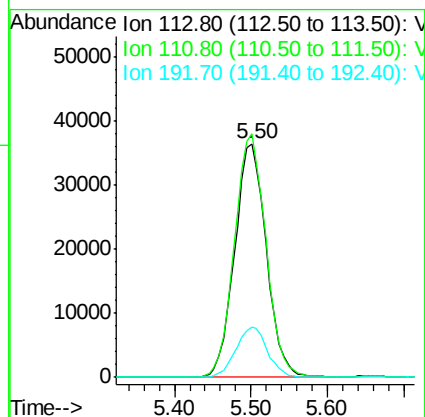
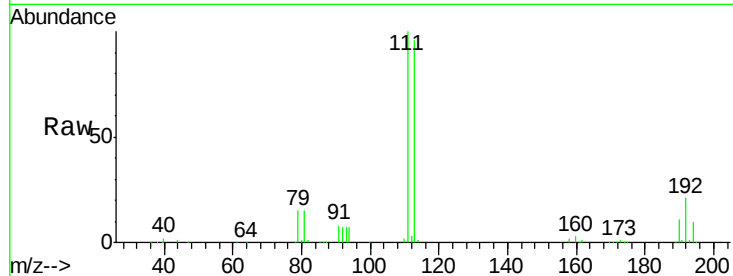




#35
 Dibromofluoromethane
 Concen: 47.039 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009182.D
 Acq: 26 Apr 2019 12:16

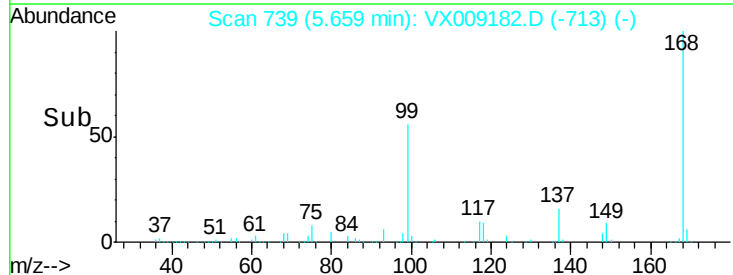
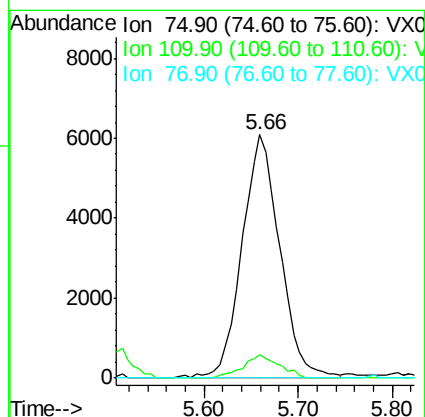
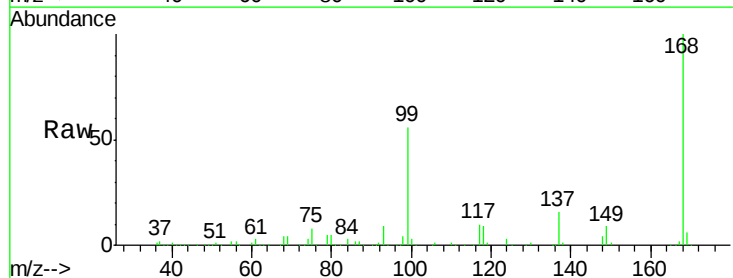
Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

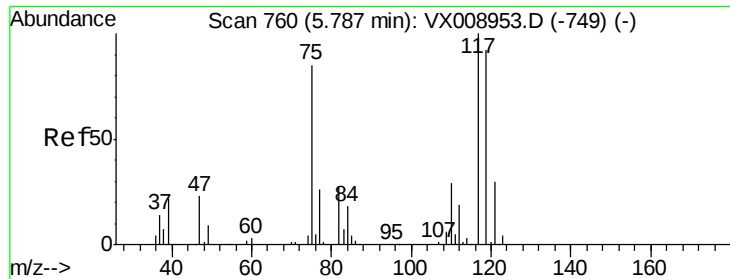
Tot Ion:113 Resp: 104578
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.9 124.3
 192 21.5 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 4.777 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009182.D
 Acq: 26 Apr 2019 12:16

Tgt Ion: 75 Resp: 17114
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.9 50.7#
 77 0.0 25.0 37.4#

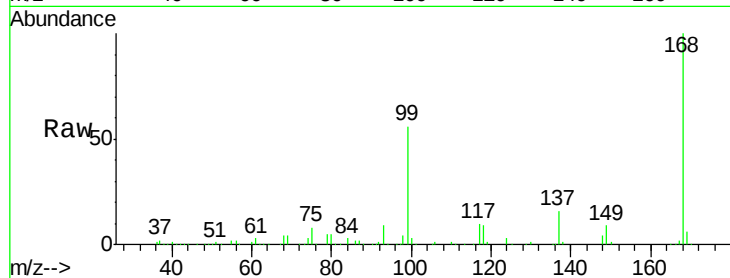




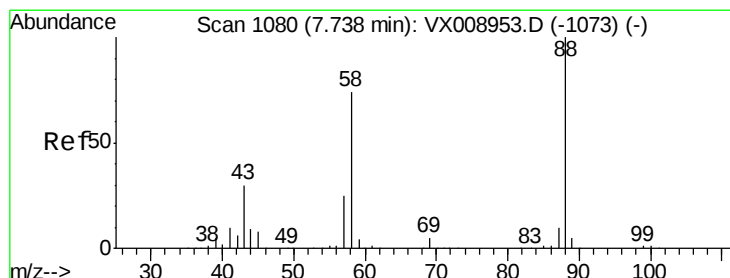
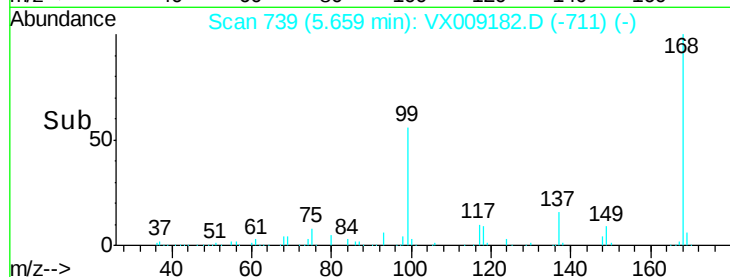
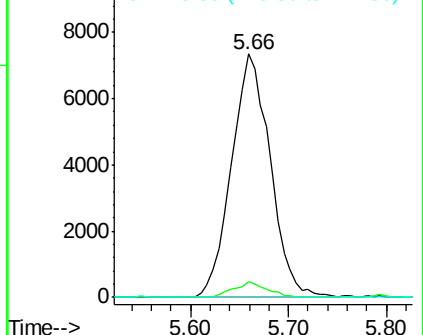
#38
Carbon Tetrachloride
Concen: 6.661 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX009182.D
Acq: 26 Apr 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion:117 Resp: 20232
Ion Ratio Lower Upper
117 100
119 6.4 73.8 110.8#
121 0.0 23.6 35.4#

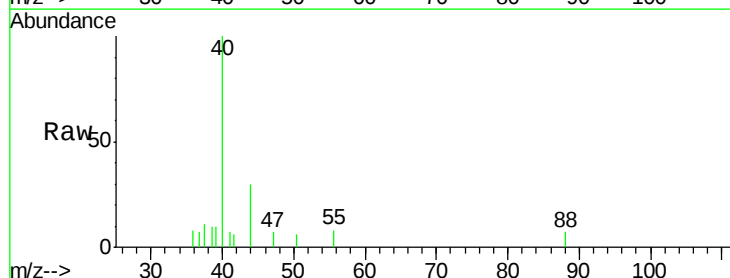


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

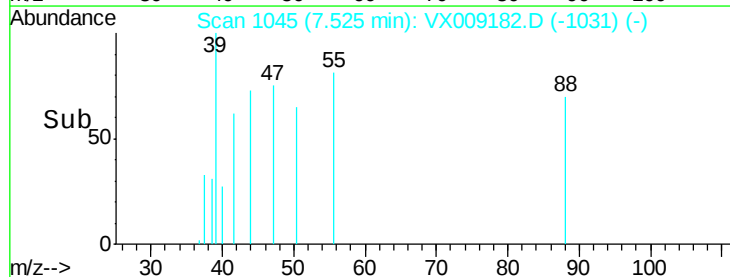
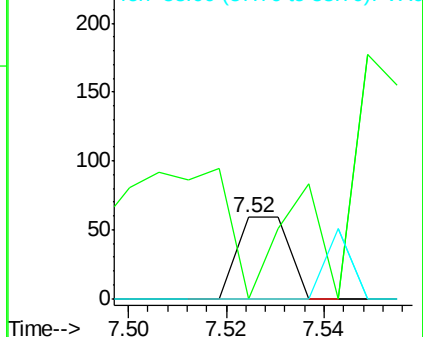


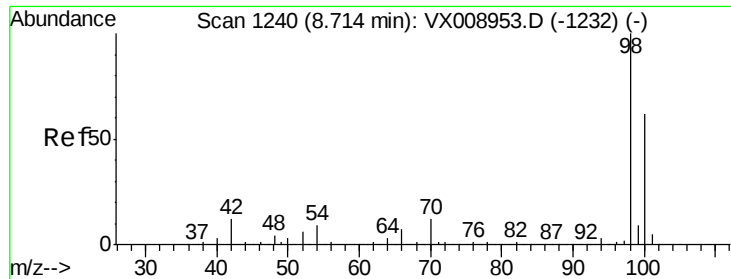
#49
1,4-Dioxane
Concen: 0.626 ug/l
RT: 7.52 min Scan# 1045
Delta R.T. -0.21 min
Lab File: VX009182.D
Acq: 26 Apr 2019 12:16

Tgt Ion: 88 Resp: 43
Ion Ratio Lower Upper
88 100
43 300.0 29.3 43.9#
58 0.0 62.6 93.8#



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

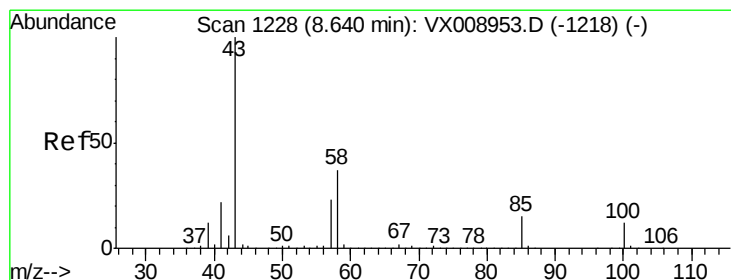
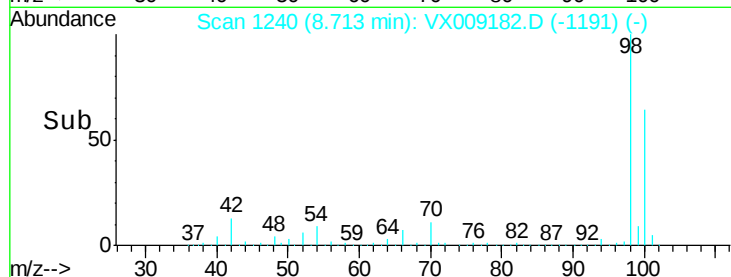
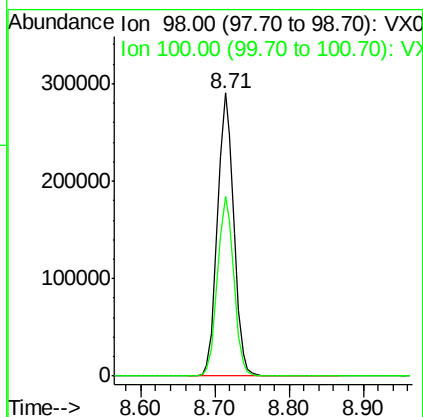
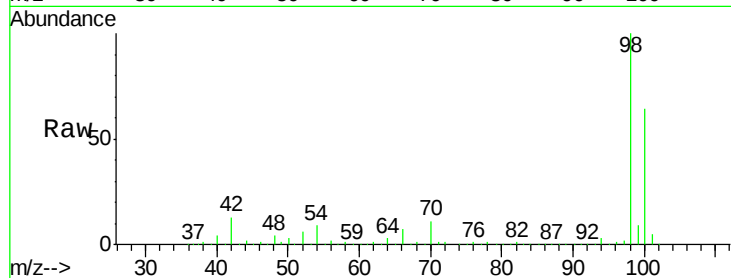




#50
Toluene-d8
Concen: 49.248 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009182.D
Acq: 26 Apr 2019 12:16

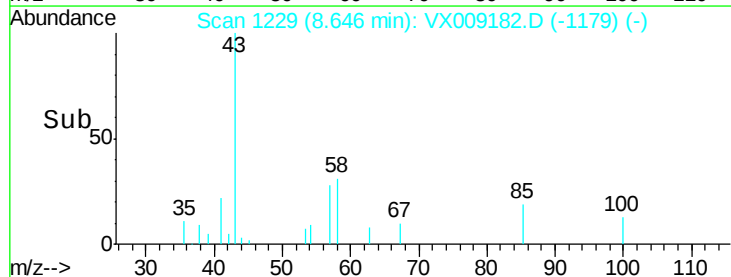
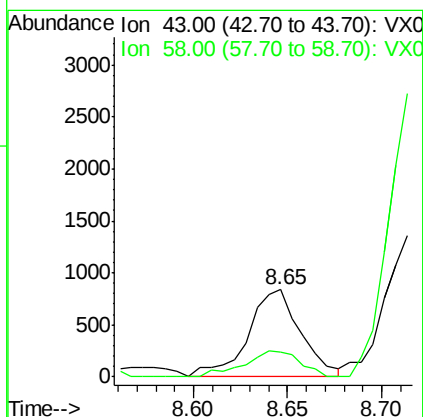
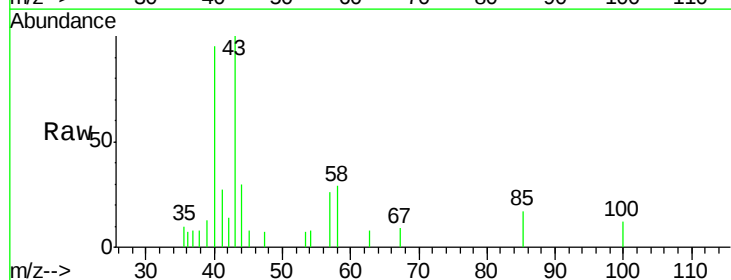
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

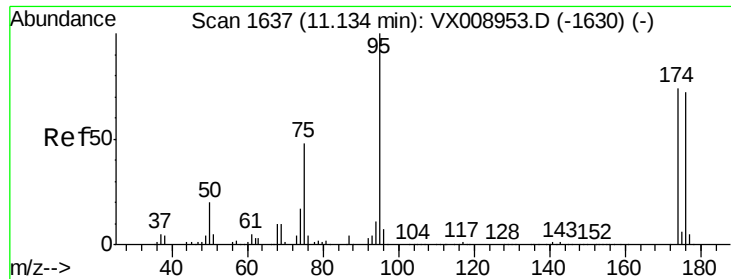
Tot Ion: 98 Resp: 436651
Ion Ratio Lower Upper
98 100
100 63.6 51.4 77.2



#51
4-Methyl-2-Pentanone
Concen: 0.343 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VX009182.D
Acq: 26 Apr 2019 12:16

Tgt Ion: 43 Resp: 1622
Ion Ratio Lower Upper
43 100
58 31.4 29.8 44.6

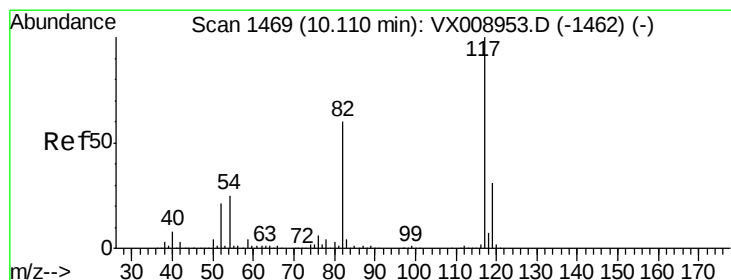
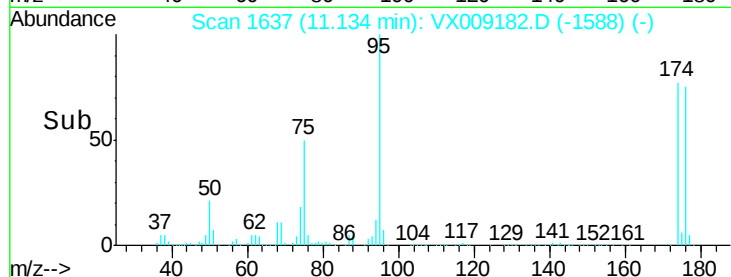
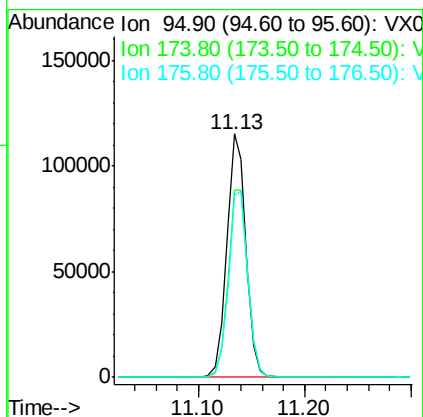
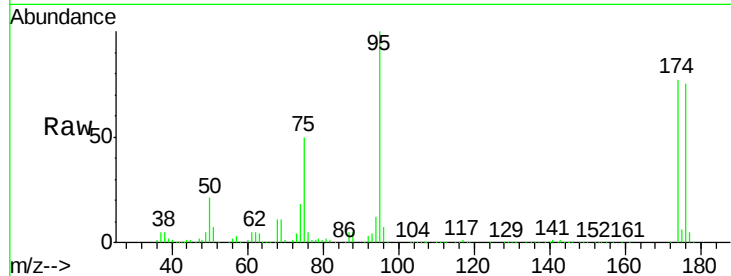




#62
4-Bromofluorobenzene
Concen: 45.995 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009182.D
Acq: 26 Apr 2019 12:16

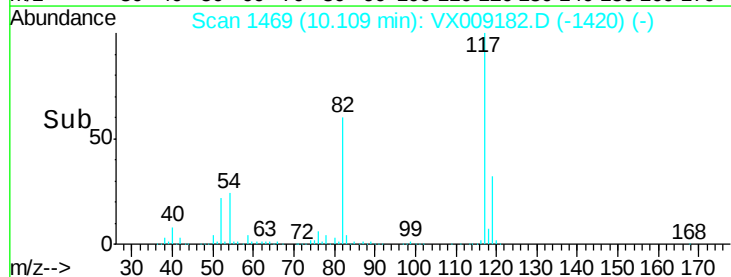
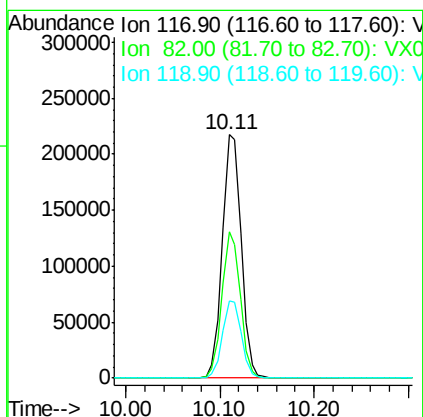
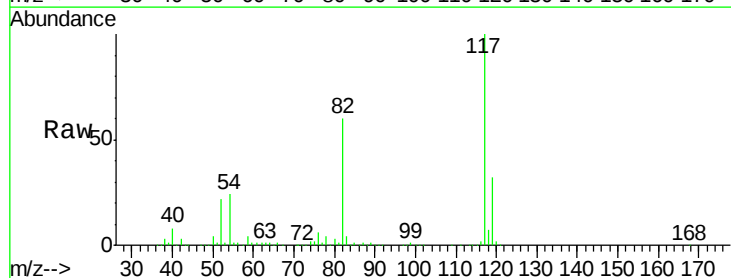
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

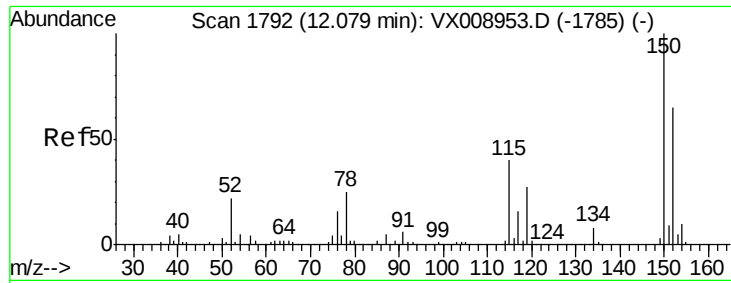
Tot Ion: 95 Resp: 143958
Ion Ratio Lower Upper
95 100
174 80.3 0.0 159.6
176 77.9 0.0 154.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009182.D
Acq: 26 Apr 2019 12:16

Tgt Ion: 117 Resp: 303611
Ion Ratio Lower Upper
117 100
82 60.1 48.2 72.4
119 31.8 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009182.D

Acq: 26 Apr 2019 12:16

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

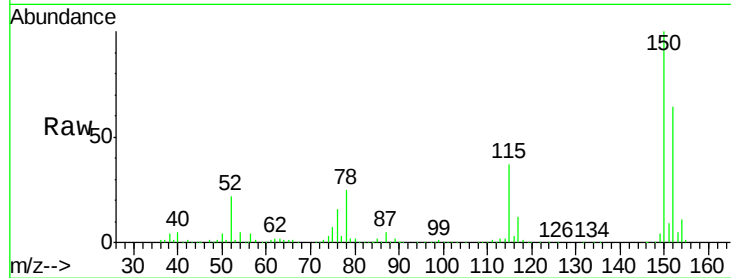
Tot Ion:152 Resp: 127271

Ion Ratio Lower Upper

152 100

115 59.3 41.4 124.2

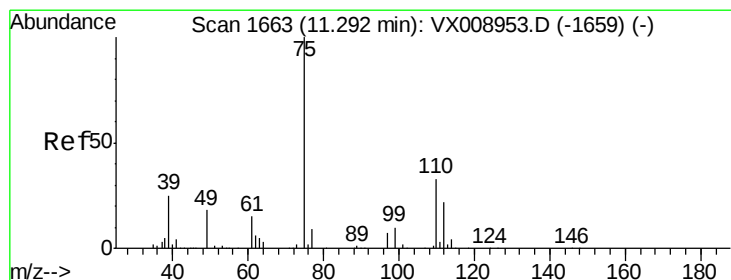
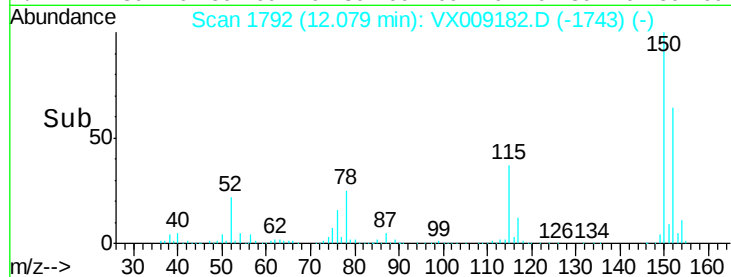
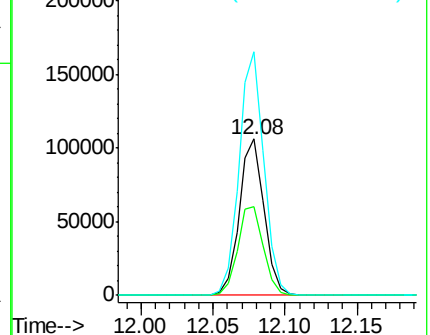
150 156.7 0.0 349.8



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: 23.164 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009182.D

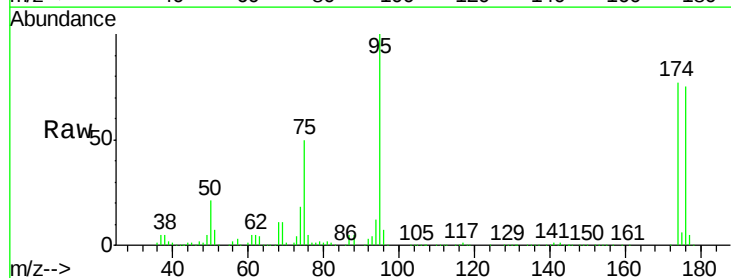
Acq: 26 Apr 2019 12:16

Tgt Ion: 75 Resp: 71987

Ion Ratio Lower Upper

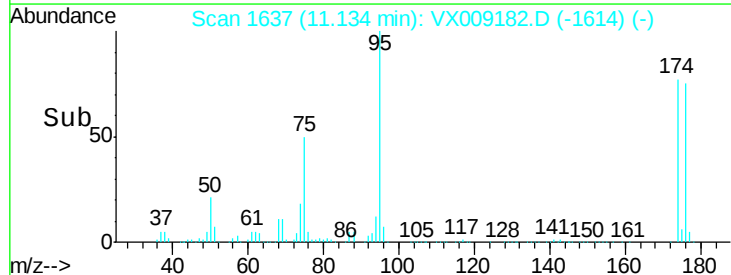
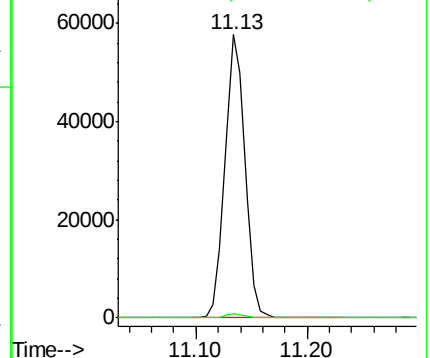
75 100

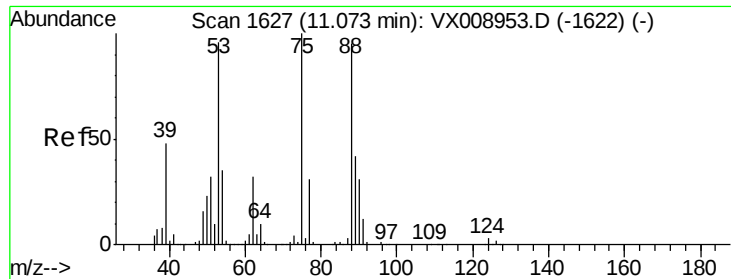
77 1.4 22.7 68.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.469 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009182.D

Acq: 26 Apr 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

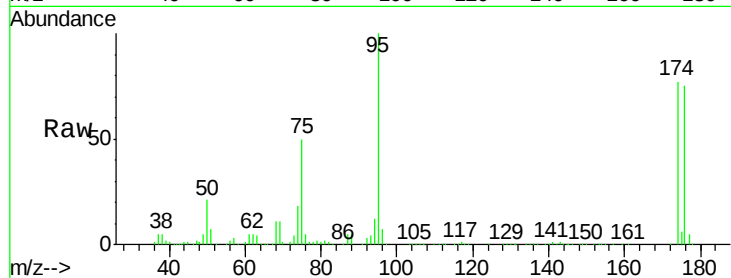
Tot Ion: 75 Resp: 71987

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 36.0 54.0#



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

