

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009668.D
 Acq On : 17 May 2019 17:44
 Operator : JC/SP
 Sample : K2900-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: May 18 04:51:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	159156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	252481	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	219430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	87831	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	106738	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
35) Dibromofluoromethane	5.50	113	77818	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
50) Toluene-d8	8.71	98	315683	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
62) 4-Bromofluorobenzene	11.13	95	100491	43.16	ug/l	0.00
Spiked Amount			Recovery	=	86.32%	

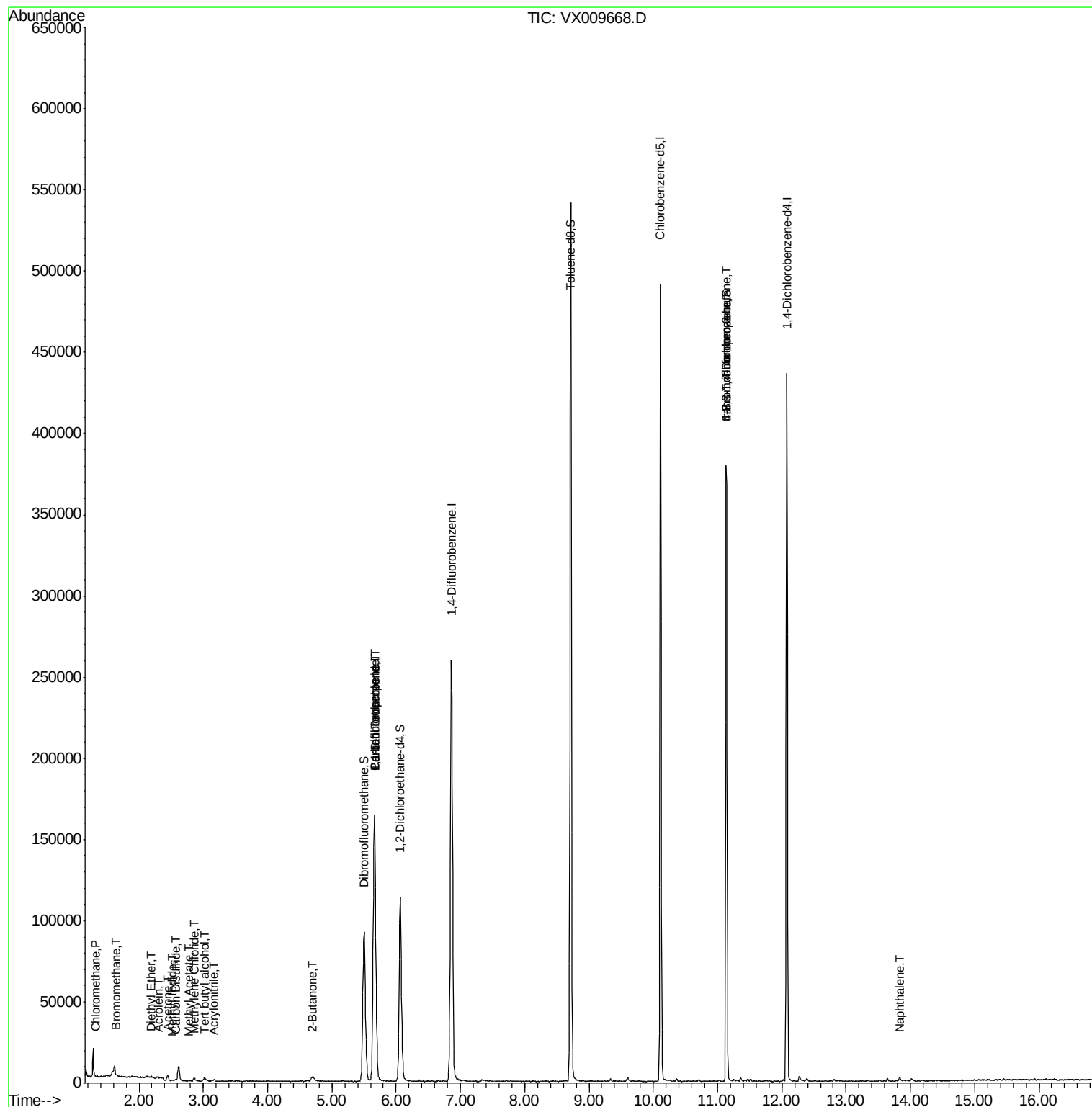
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	518	0.259	ug/l	89
5) Bromomethane	1.64	94	347	0.296	ug/l	83
8) Diethyl Ether	2.19	74	232	0.206	ug/l #	10
10) Methyl Iodide	2.51	142	386	4.796	ug/l #	94
11) Tert butyl alcohol	3.01	59	1614	3.209	ug/l #	73
13) Acrolein	2.30	56	248	0.545	ug/l #	32
15) Acrylonitrile	3.16	53	393	0.320	ug/l #	53
16) Acetone	2.45	43	4061	3.481	ug/l	95
17) Carbon Disulfide	2.57	76	1133	0.270	ug/l #	91
18) Methyl Acetate	2.78	43	556	0.200	ug/l #	63
20) Methylene Chloride	2.85	84	1011	0.535	ug/l	92
25) 2-Butanone	4.70	43	563	0.311	ug/l #	53
28) Bromochloromethane	5.01	49	45	Below Cal	#	20
36) 1,1-Dichloropropene	5.66	75	12389	5.280	ug/l #	51
38) Carbon Tetrachloride	5.66	117	15130	7.097	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	52058	25.552	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	52058	65.378	ug/l #	10
95) Naphthalene	13.83	128	1552	0.242	ug/l #	95

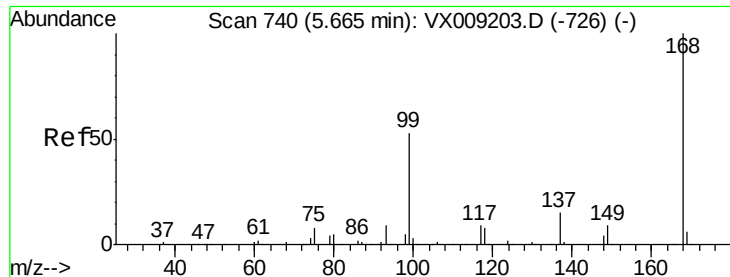
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampled :
TRIP-BLANK

Quant Time: May 18 04:51:43 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009668.D

Acq: 17 May 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

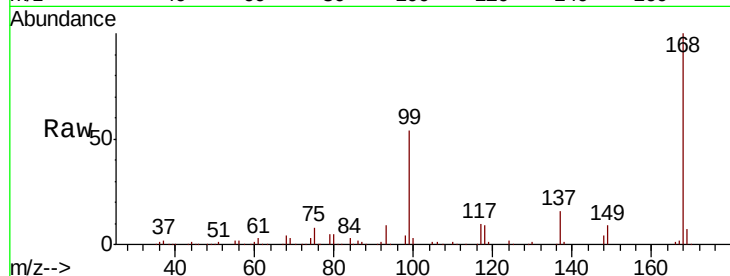
TRIP-BLANK

Tot Ion:168 Resp: 159156

Ion Ratio Lower Upper

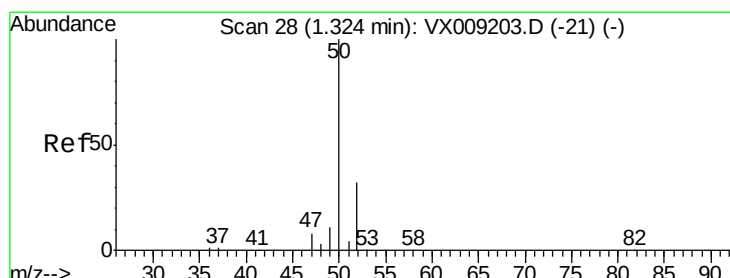
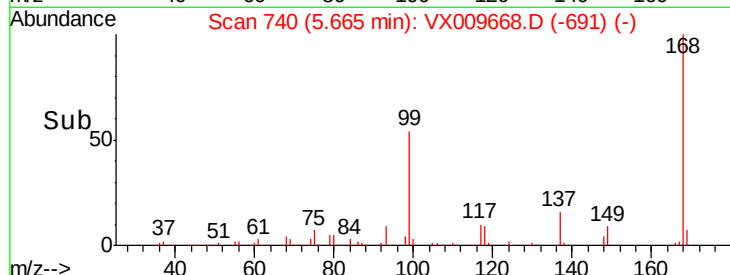
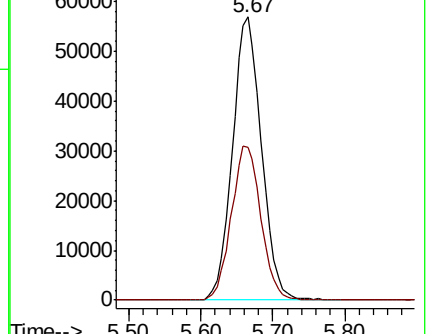
168 100

99 54.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.259 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009668.D

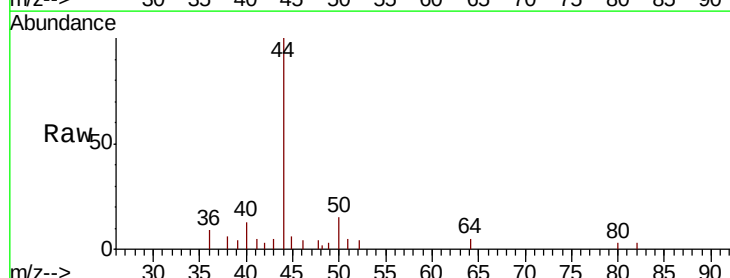
Acq: 17 May 2019 17:44

Tgt Ion: 50 Resp: 518

Ion Ratio Lower Upper

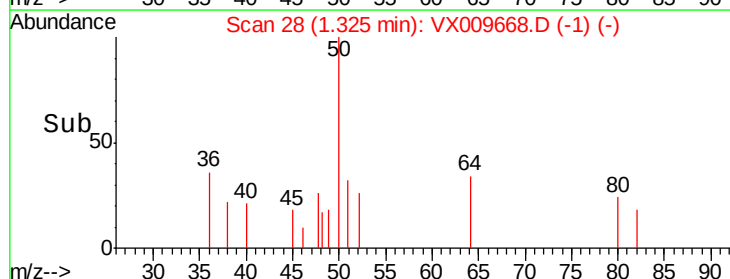
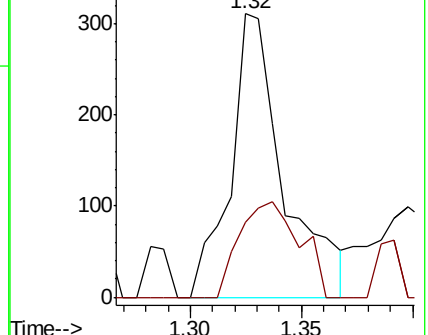
50 100

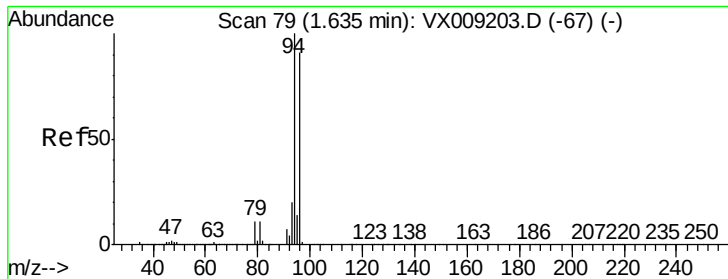
52 26.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.296 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009668.D

Acq: 17 May 2019 17:44

Instrument :

MSVOA_X

ClientSampled :

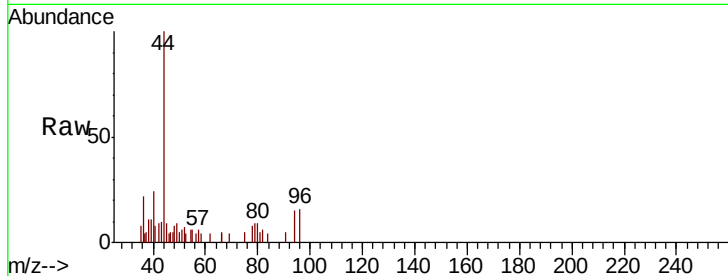
TRIP-BLANK

Tot Ion: 94 Resp: 347

Ion Ratio Lower Upper

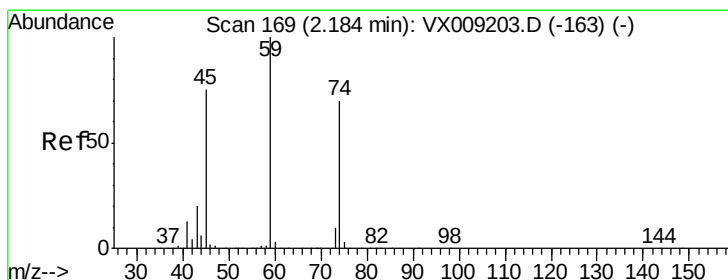
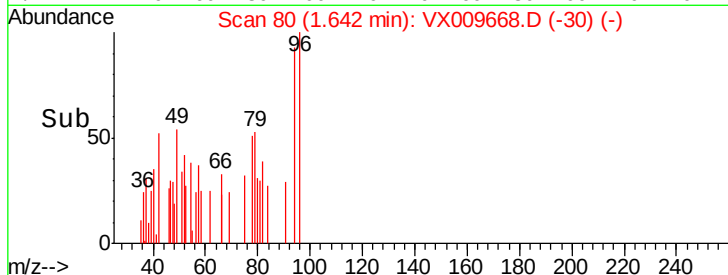
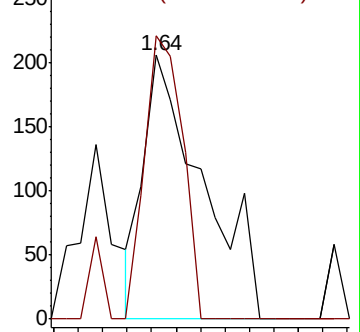
94 100

96 107.3 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: 0.206 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.01 min

Lab File: VX009668.D

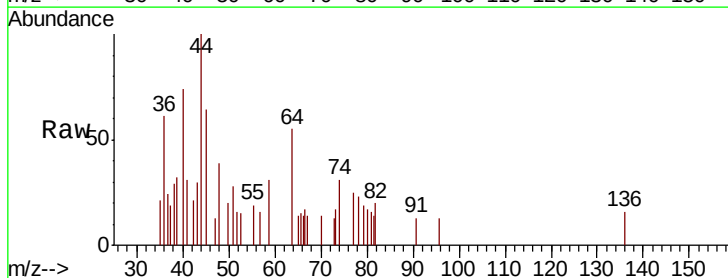
Acq: 17 May 2019 17:44

Tgt Ion: 74 Resp: 232

Ion Ratio Lower Upper

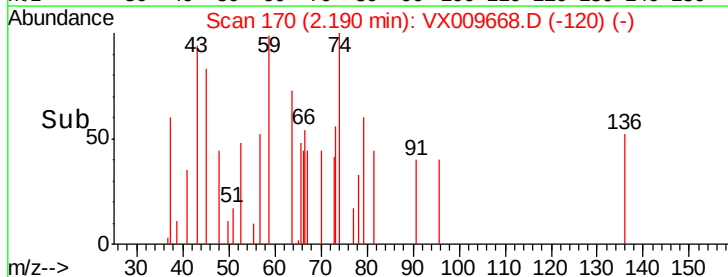
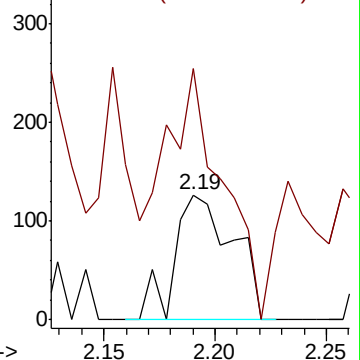
74 100

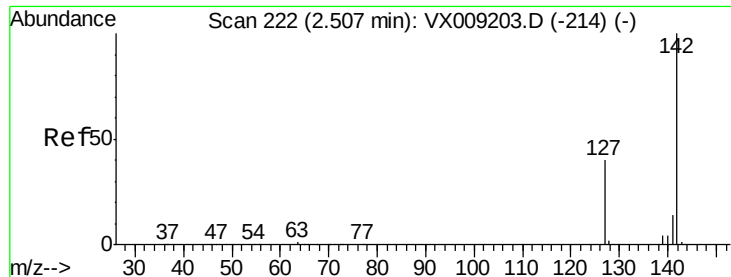
45 199.6 53.3 159.9#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

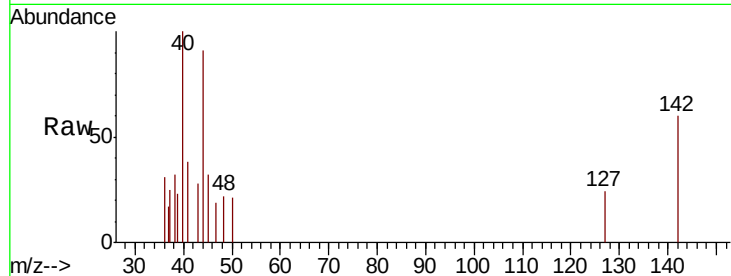




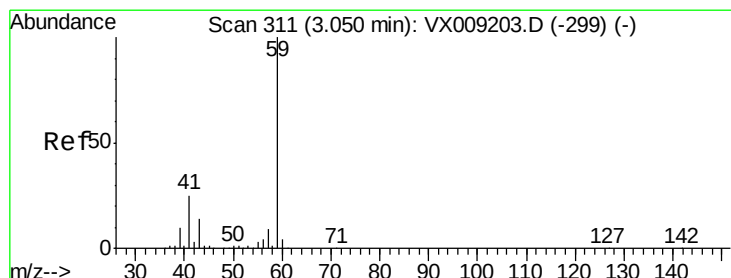
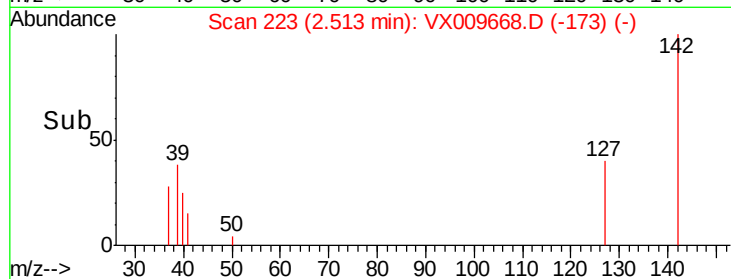
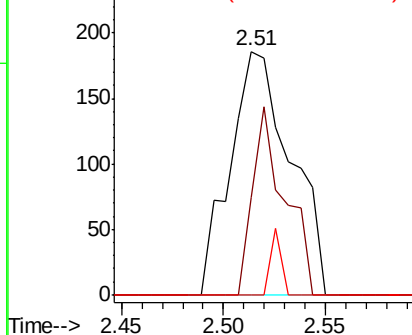
#10
Methvl Iodide
Concen: 4.796 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009668.D
Acq: 17 May 2019 17:44

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion:142 Resp: 386
Ion Ratio Lower Upper
142 100
127 40.9 32.7 49.1
141 4.9 11.5 17.3#

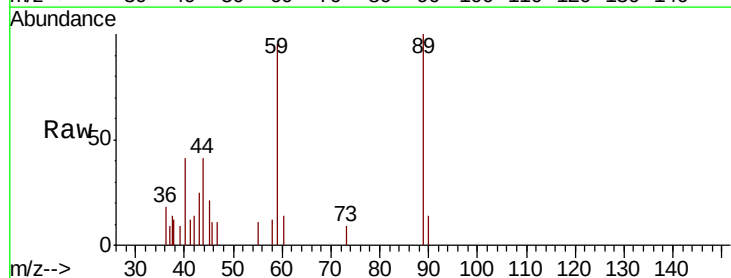


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

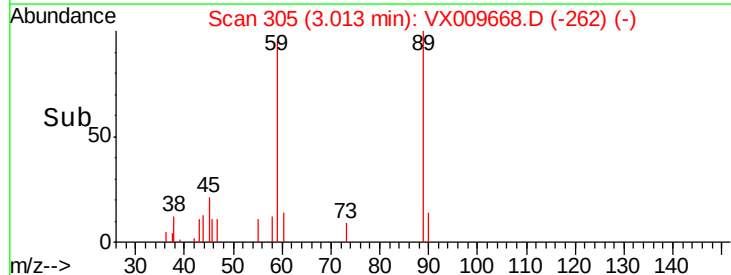
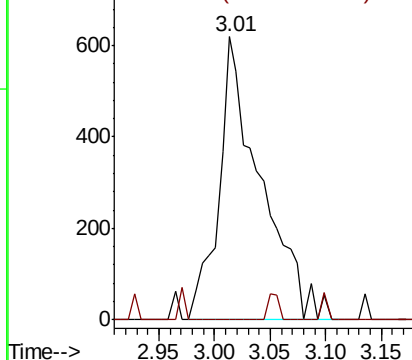


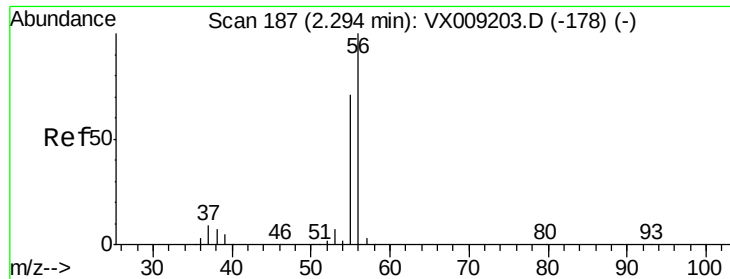
#11
Tert butyl alcohol
Concen: 3.209 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009668.D
Acq: 17 May 2019 17:44

Tgt Ion: 59 Resp: 1614
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.545 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX009668.D

Acq: 17 May 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

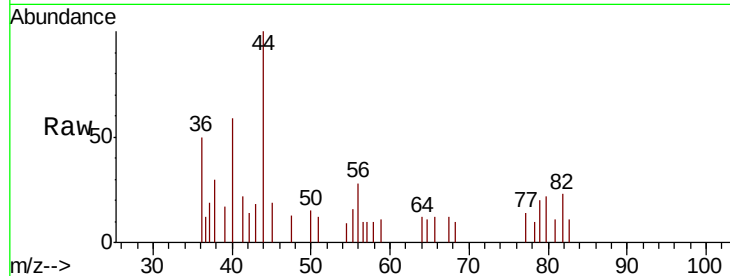
TRIP-BLANK

Tot Ion: 56 Resp: 248

Ion Ratio Lower Upper

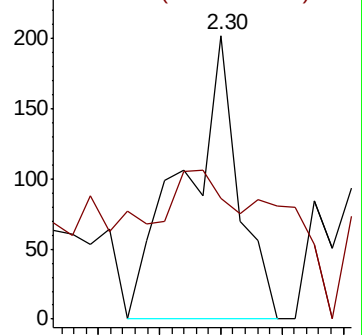
56 100

55 14.9 56.6 85.0#

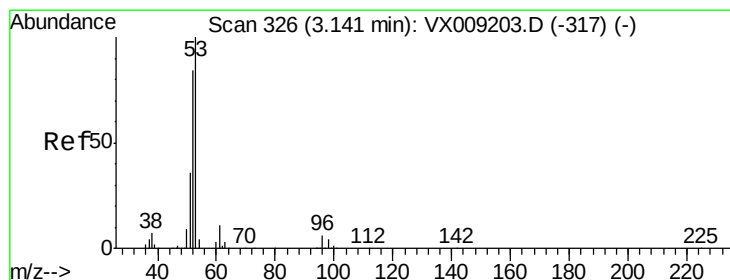
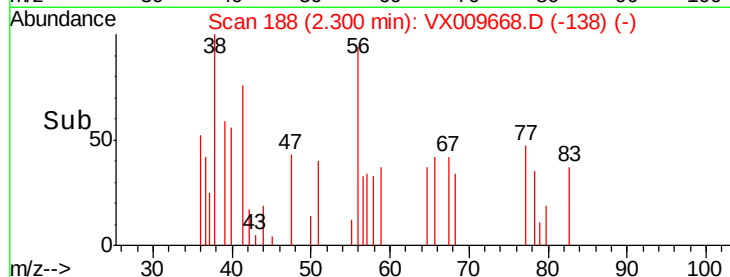


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acrylonitrile

Concen: 0.320 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.02 min

Lab File: VX009668.D

Acq: 17 May 2019 17:44

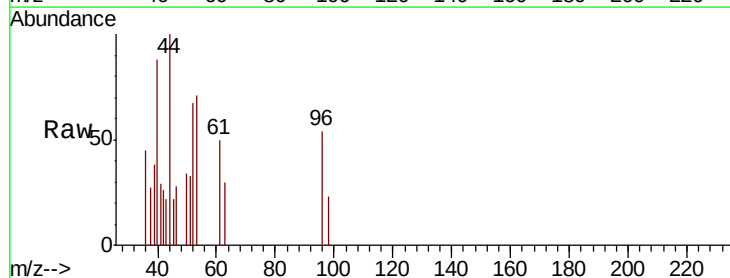
Tgt Ion: 53 Resp: 393

Ion Ratio Lower Upper

53 100

52 116.5 66.9 100.3#

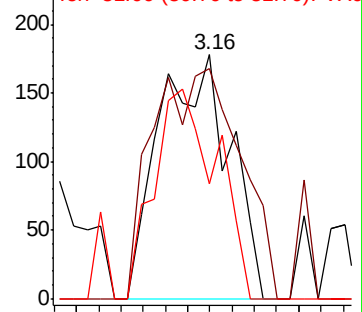
51 76.6 28.2 42.2#



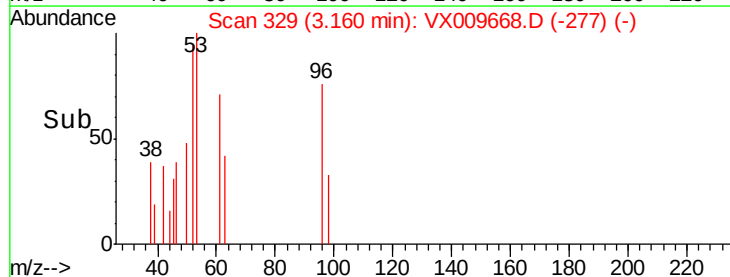
Abundance Ion 53.00 (52.70 to 53.70): VX0

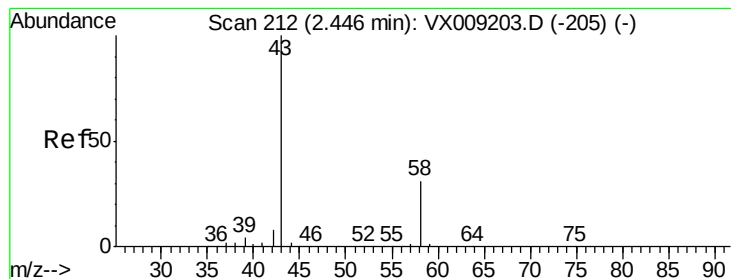
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->





#16

Acetone

Concen: 3.481 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009668.D

Acq: 17 May 2019 17:44

Instrument :

MSVOA_X

ClientSampled :

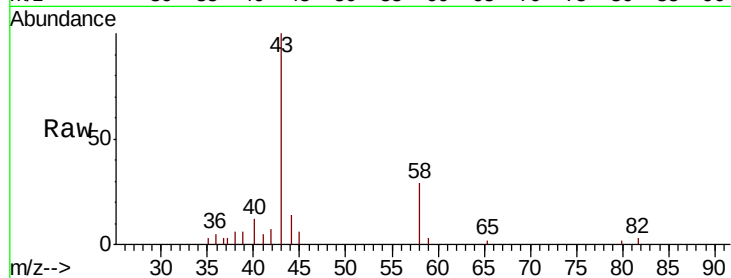
TRIP-BLANK

Tot Ion: 43 Resp: 4061

Ion Ratio Lower Upper

43 100

58 28.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2500

2000

1500

1000

500

0

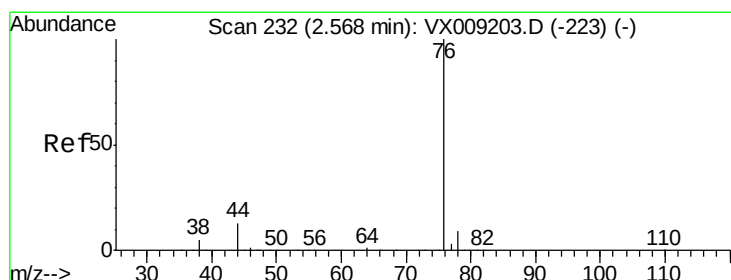
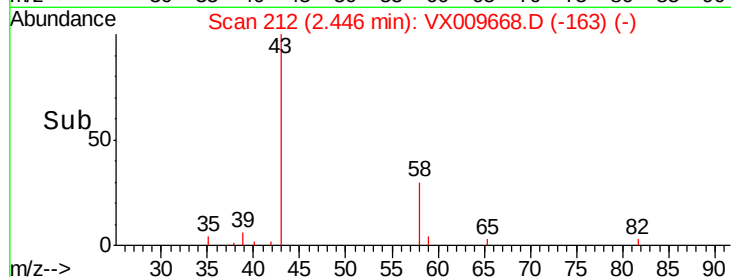
2.35

2.40

2.45

2.50

Time-->



#17

Carbon Disulfide

Concen: 0.270 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009668.D

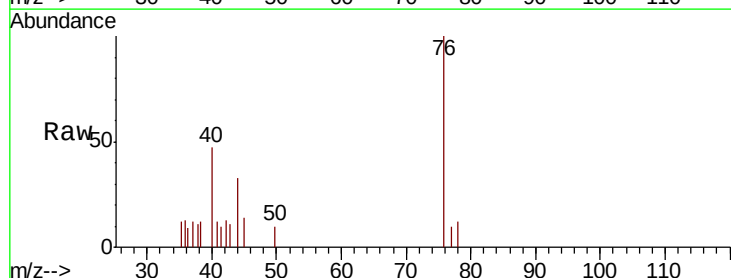
Acq: 17 May 2019 17:44

Tgt Ion: 76 Resp: 1133

Ion Ratio Lower Upper

76 100

78 12.3 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

800

600

400

200

0

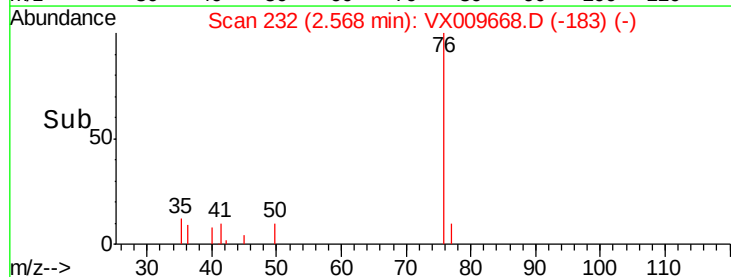
2.50

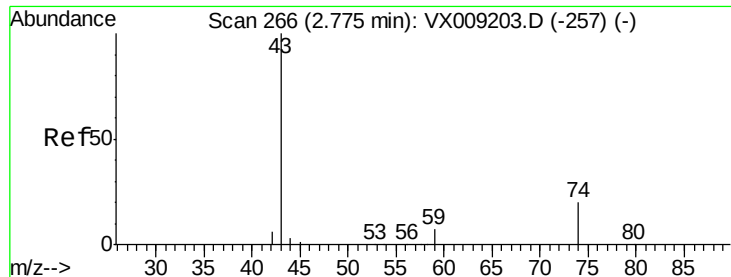
2.55

2.60

2.65

Time-->

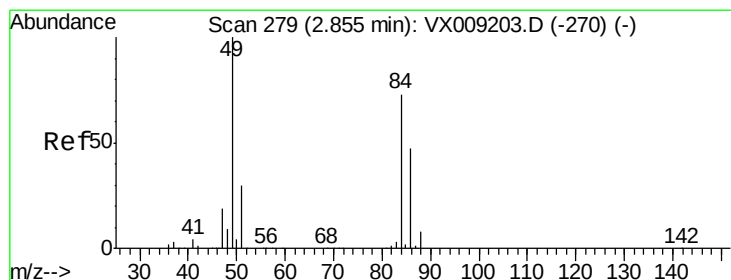
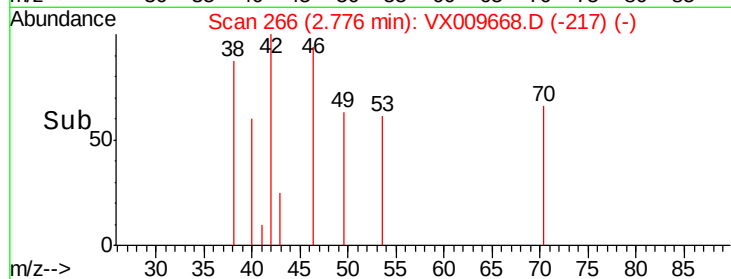
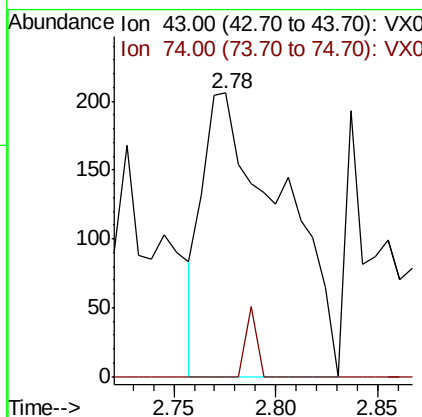
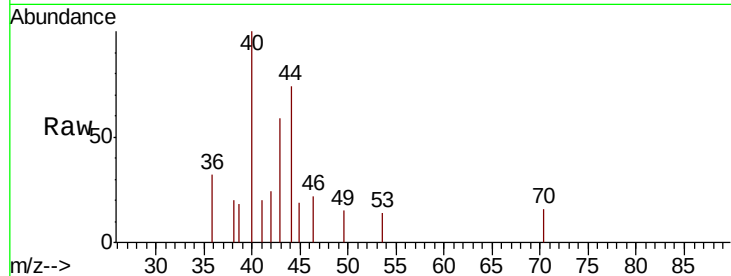




#18
Methyl Acetate
Concen: 0.200 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009668.D
Acq: 17 May 2019 17:44

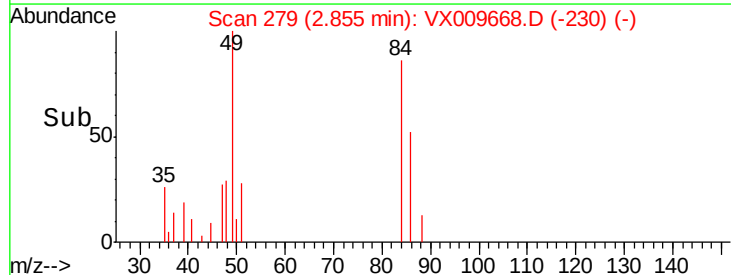
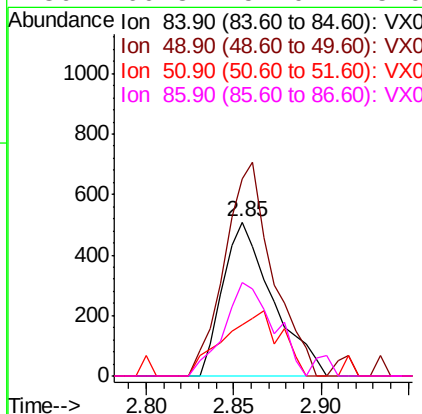
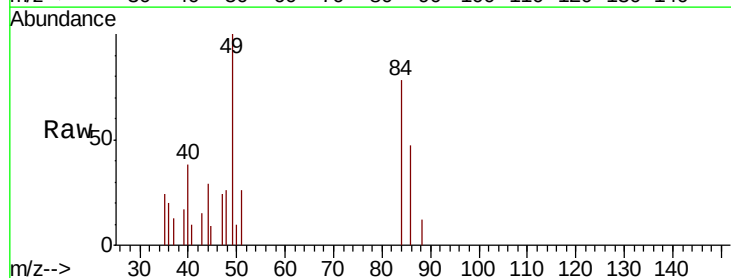
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

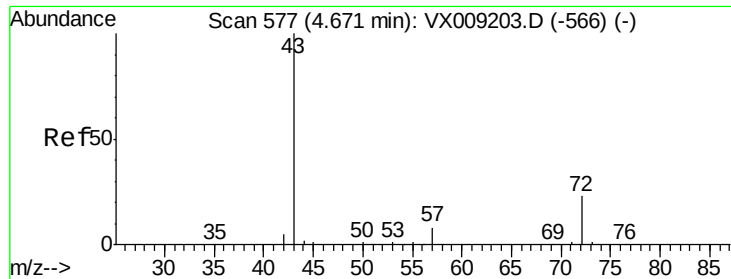
Tot Ion: 43 Resp: 556
Ion Ratio Lower Upper
43 100
74 3.4 16.2 24.4#



#20
Methylene Chloride
Concen: 0.535 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009668.D
Acq: 17 May 2019 17:44

Tgt Ion: 84 Resp: 1011
Ion Ratio Lower Upper
84 100
49 128.0 109.9 164.9
51 32.9 32.7 49.1
86 60.8 52.0 78.0





#25

2-Butanone

Concen: 0.311 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.03 min

Lab File: VX009668.D

Acq: 17 May 2019 17:44

Instrument :

MSVOA_X

ClientSampled :

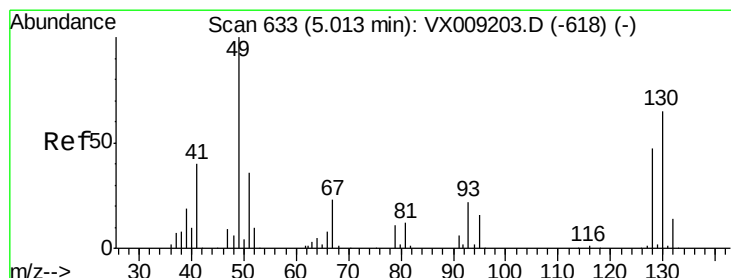
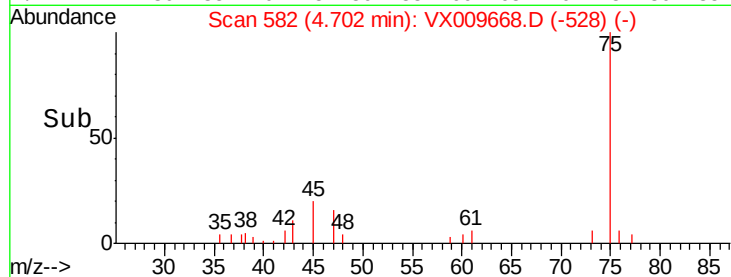
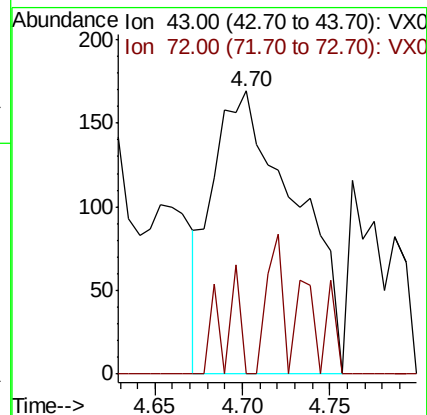
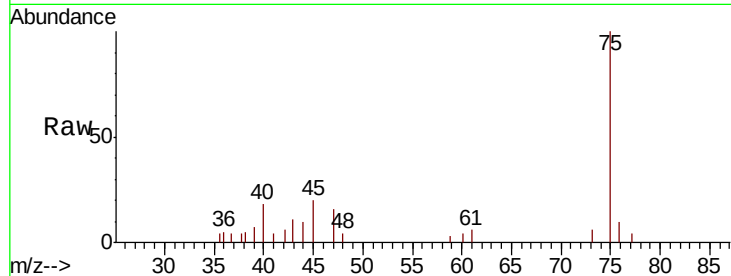
TRIP-BLANK

Tot Ion: 43 Resp: 563

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.2#



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009668.D

Acq: 17 May 2019 17:44

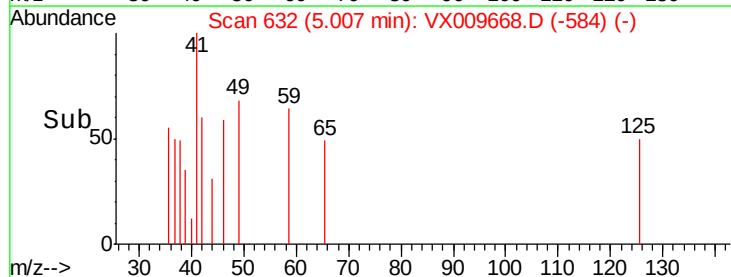
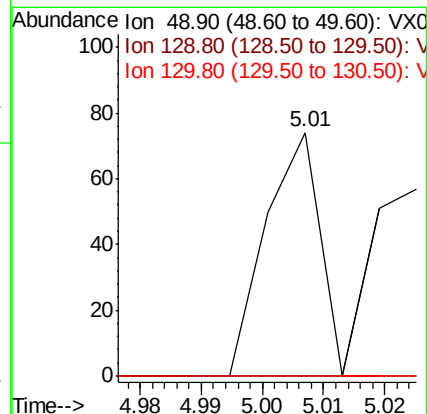
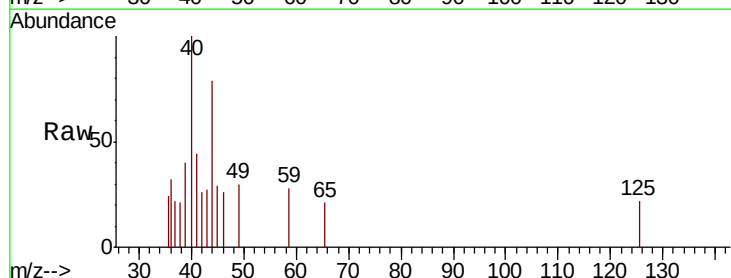
Tgt Ion: 49 Resp: 45

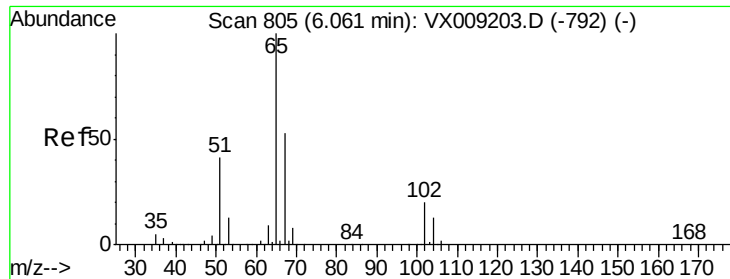
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#

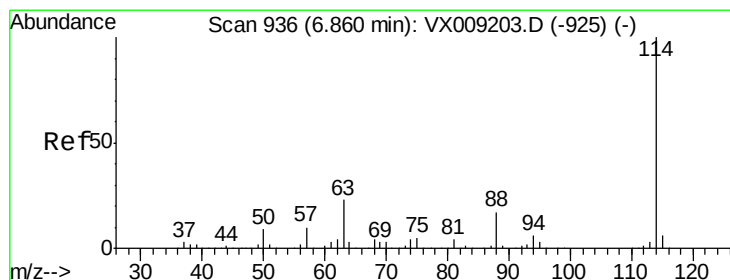
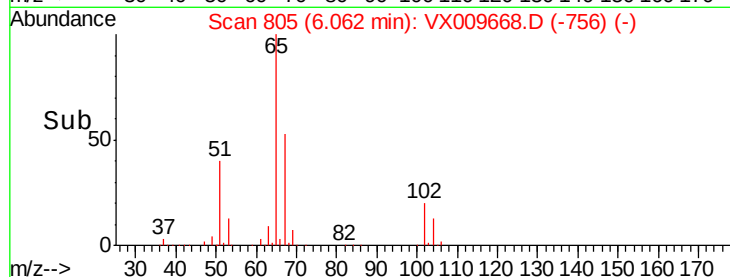
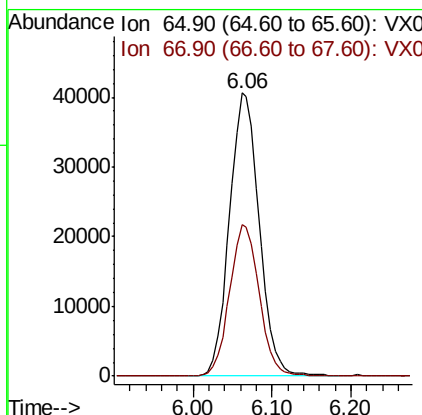
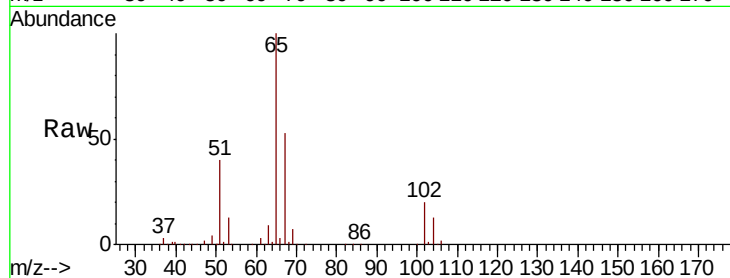




#33
 1,2-Dichloroethane-d4
 Concen: 49.128 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009668.D
 Acq: 17 May 2019 17:44

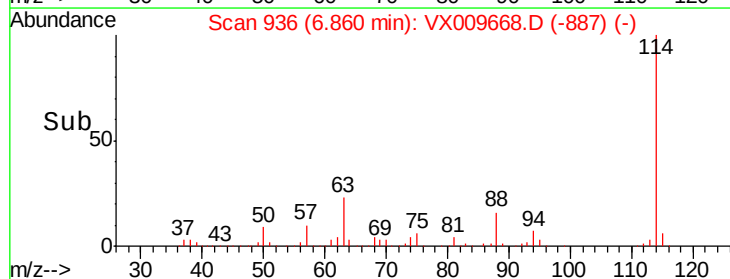
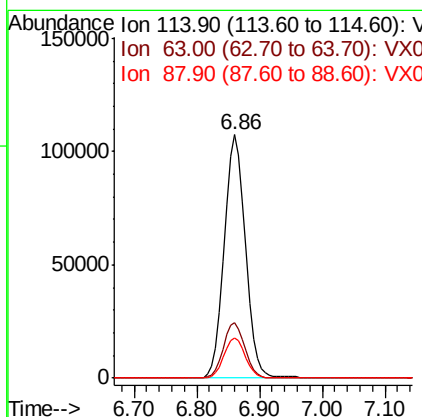
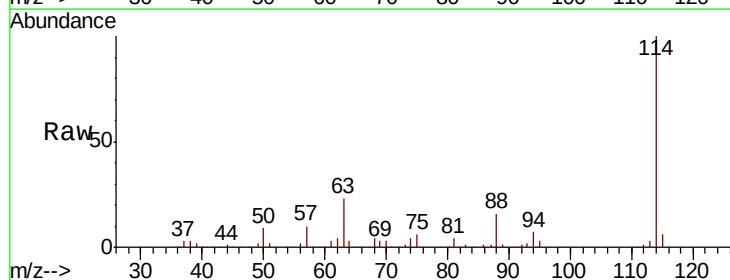
Instrument :
 MSVOA_X
 ClientSampled :
 TRIP-BLANK

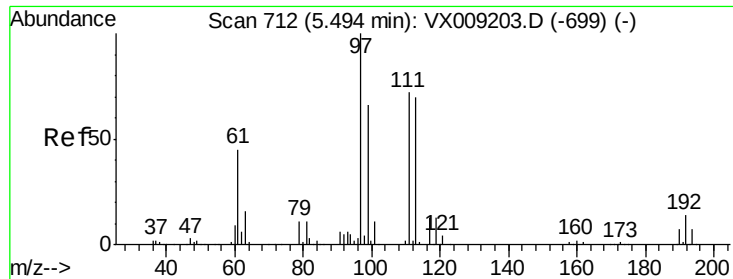
Tot Ion: 65 Resp: 106738
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009668.D
 Acq: 17 May 2019 17:44

Tgt Ion: 114 Resp: 252481
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 16.4 0.0 33.2

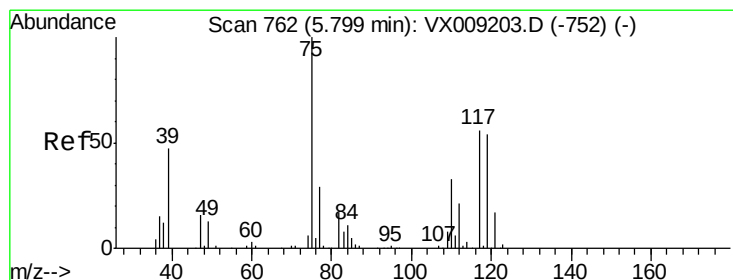
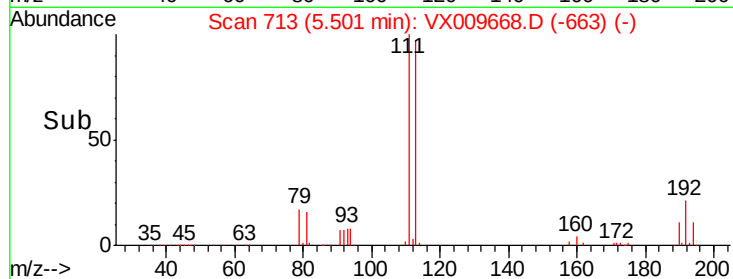
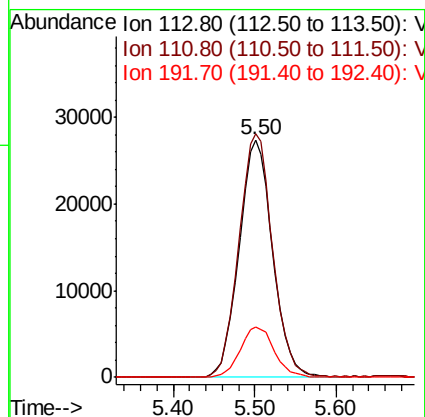
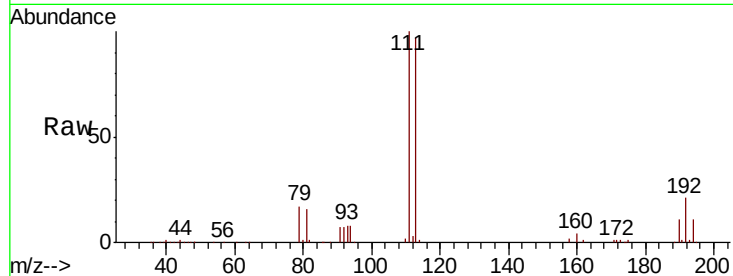




#35
 Dibromofluoromethane
 Concen: 49.029 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009668.D
 Acq: 17 May 2019 17:44

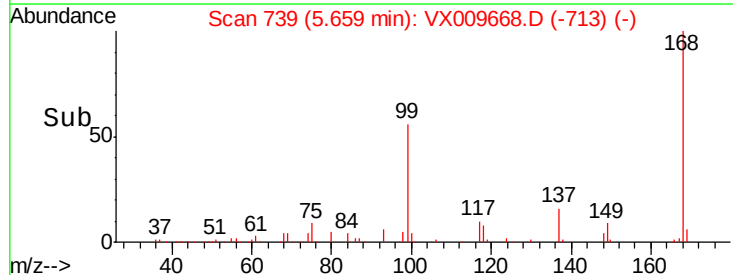
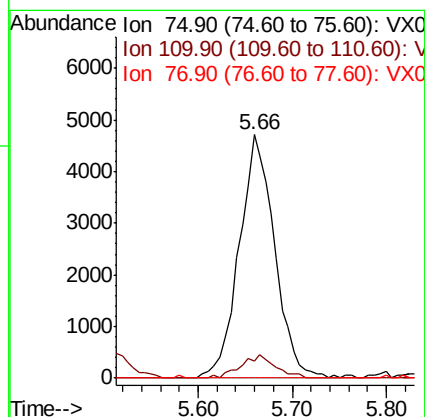
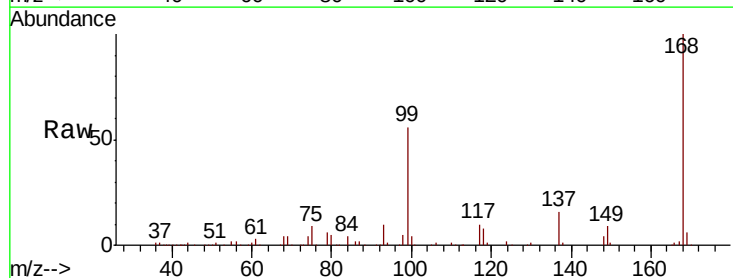
Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

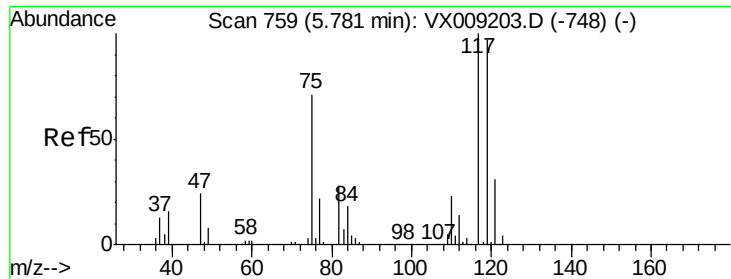
Tot Ion:113 Resp: 77818
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.8 124.2
 192 21.6 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.280 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009668.D
 Acq: 17 May 2019 17:44

Tgt Ion: 75 Resp: 12389
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.097 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009668.D

Acq: 17 May 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

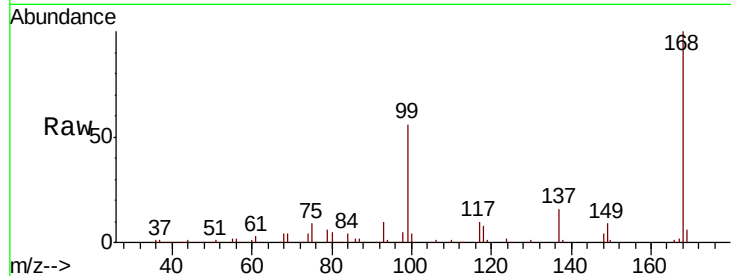
Tot Ion:117 Resp: 15130

Ion Ratio Lower Upper

117 100

119 6.3 77.5 116.3#

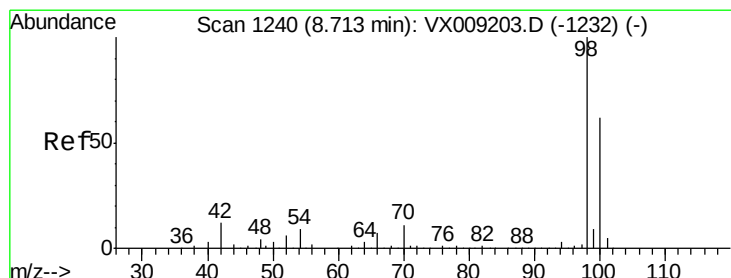
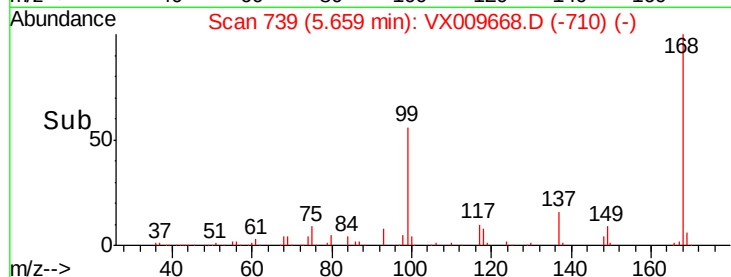
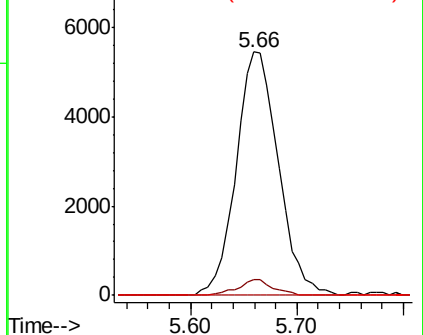
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 49.265 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009668.D

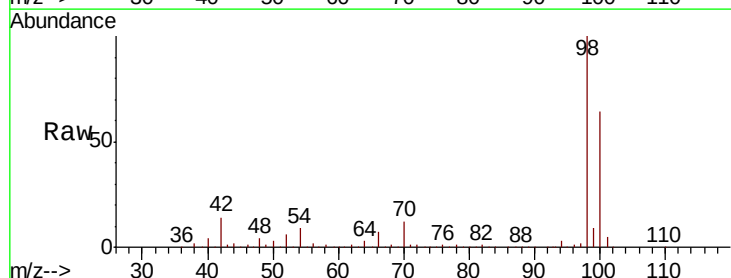
Acq: 17 May 2019 17:44

Tgt Ion: 98 Resp: 315683

Ion Ratio Lower Upper

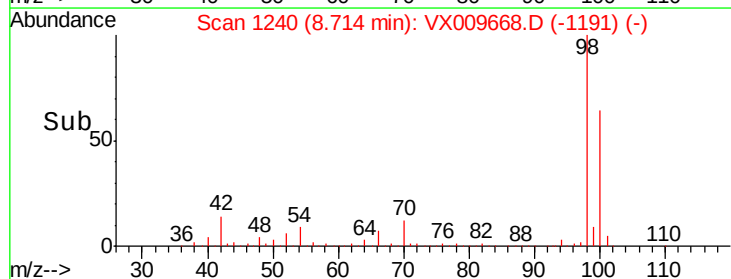
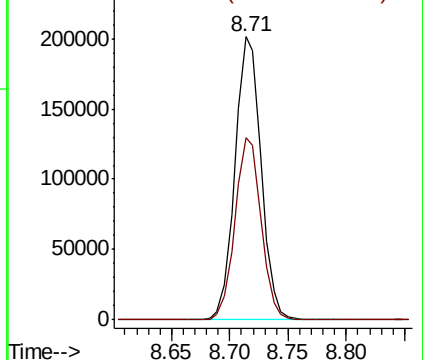
98 100

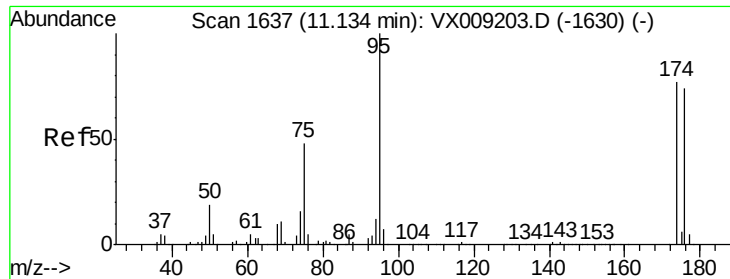
100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.159 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009668.D

Acq: 17 May 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

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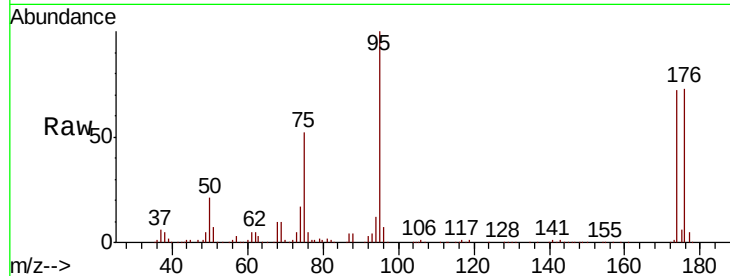
Tot Ion: 95 Resp: 100491

Ion Ratio Lower Upper

95 100

174 80.9 0.0 161.6

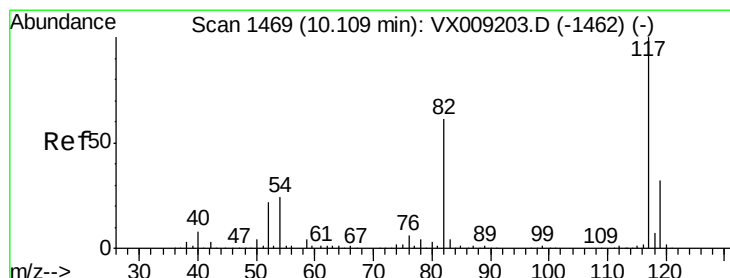
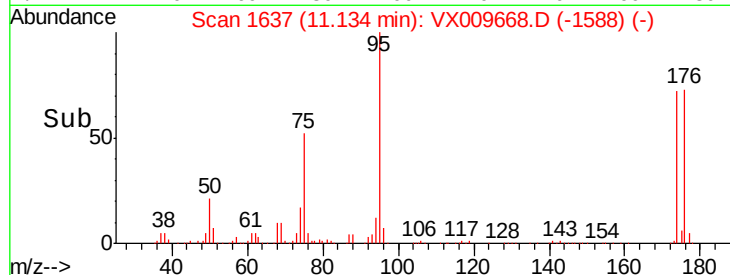
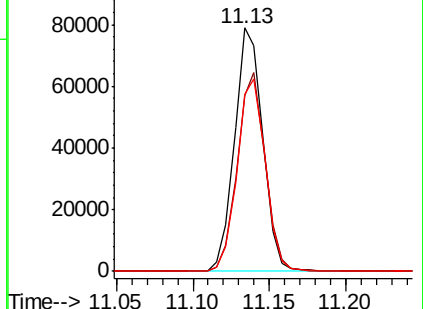
176 79.6 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009668.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009668.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009668.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX009668.D

Acq: 17 May 2019 17:44

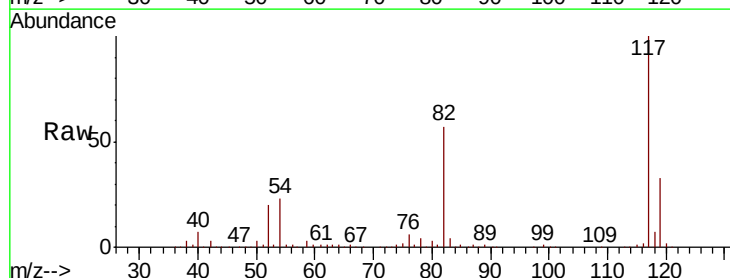
Tgt Ion: 117 Resp: 219430

Ion Ratio Lower Upper

117 100

82 57.5 48.8 73.2

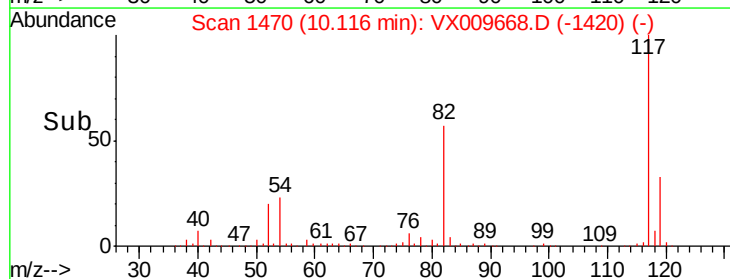
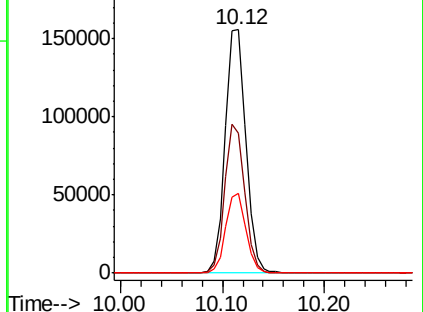
119 32.6 25.8 38.6

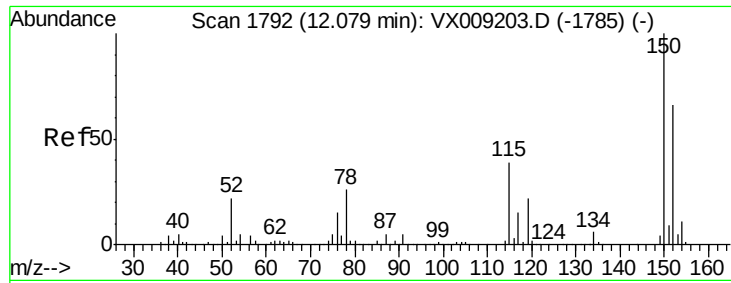


Abundance Ion 116.90 (116.60 to 117.60): VX009668.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009668.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009668.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009668.D

Acq: 17 May 2019 17:44

Instrument :

MSVOA_X

ClientSampled :

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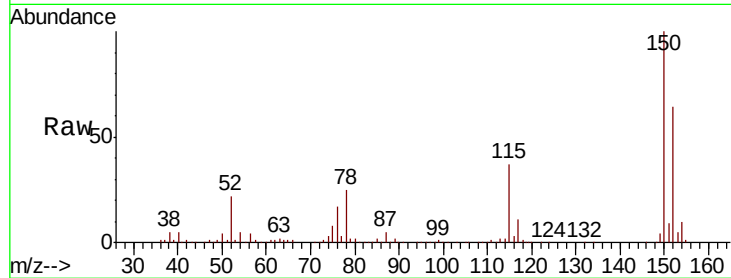
Tot Ion:152 Resp: 87831

Ion Ratio Lower Upper

152 100

115 58.5 41.2 123.6

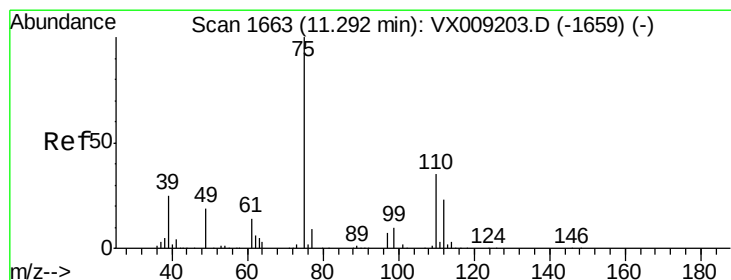
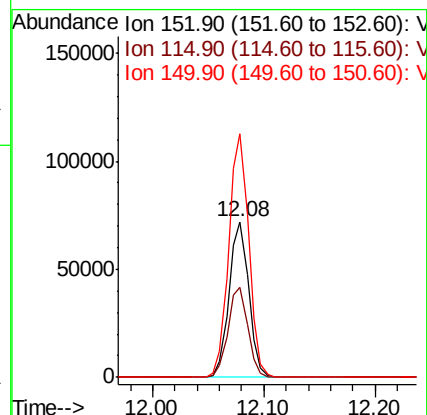
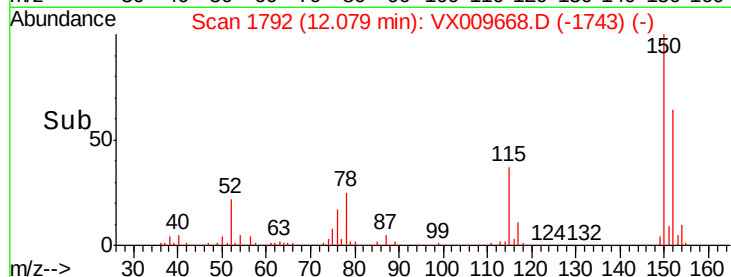
150 158.9 0.0 346.4



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: 25.552 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009668.D

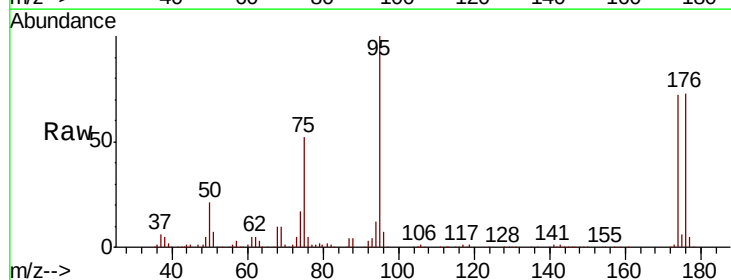
Acq: 17 May 2019 17:44

Tgt Ion: 75 Resp: 52058

Ion Ratio Lower Upper

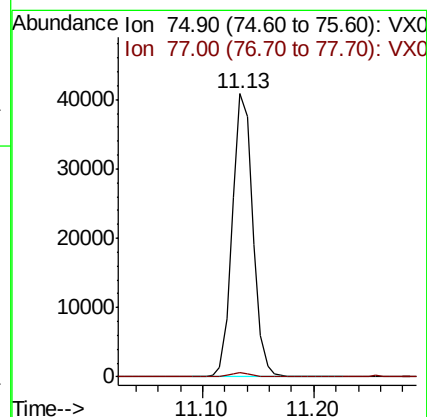
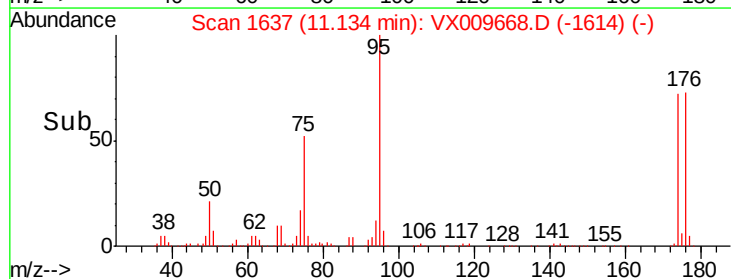
75 100

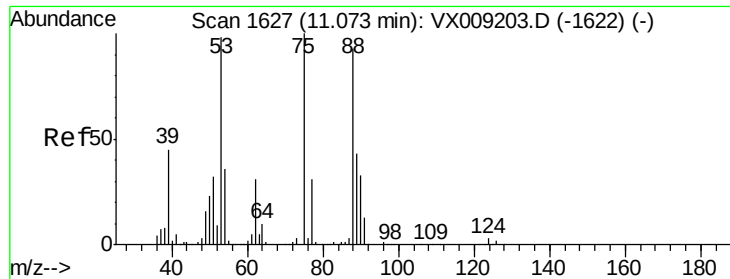
77 1.5 22.1 66.1#



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: 65.378 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009668.D

Acq: 17 May 2019 17:44

Instrument :

MSVOA_X

ClientSampled :

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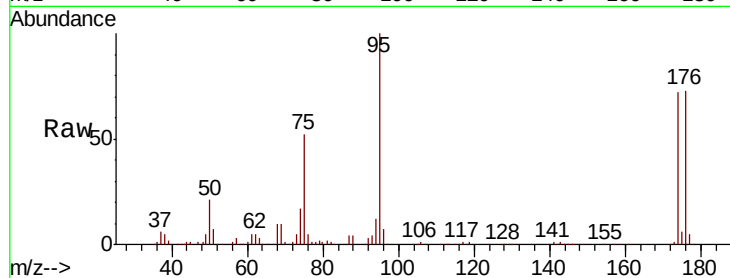
Tot Ion: 75 Resp: 52058

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

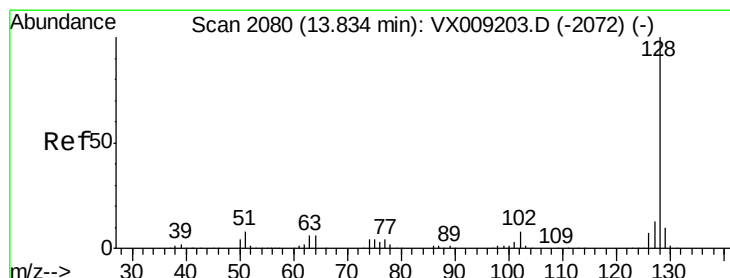
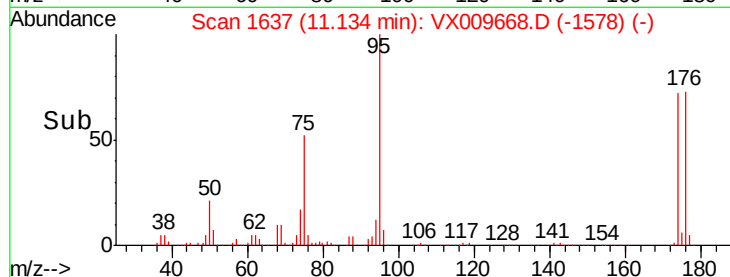
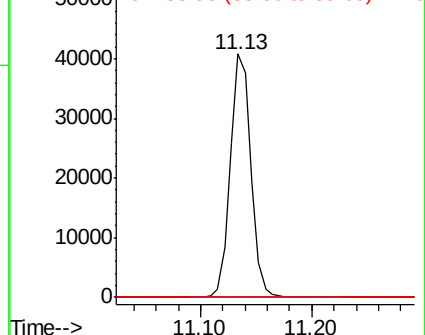
89 0.0 34.7 52.1#



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



#95

Naphthalene

Concen: 0.242 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009668.D

Acq: 17 May 2019 17:44

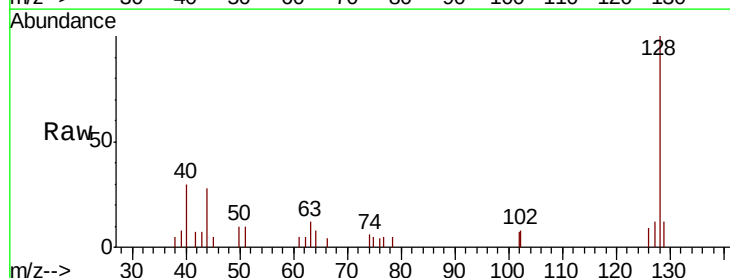
Tgt Ion: 128 Resp: 1552

Ion Ratio Lower Upper

128 100

127 9.9 10.4 15.6#

129 11.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

