

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX053019\
 Data File : VX009963.D
 Acq On : 30 May 2019 16:15
 Operator : JC/SP
 Sample : K3106-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIANGLE

Quant Time: May 31 05:35:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	172949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	278996	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	254199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109078	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	118208	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
35) Dibromofluoromethane	5.50	113	87865	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
50) Toluene-d8	8.71	98	357207	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	11.13	95	120361	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	

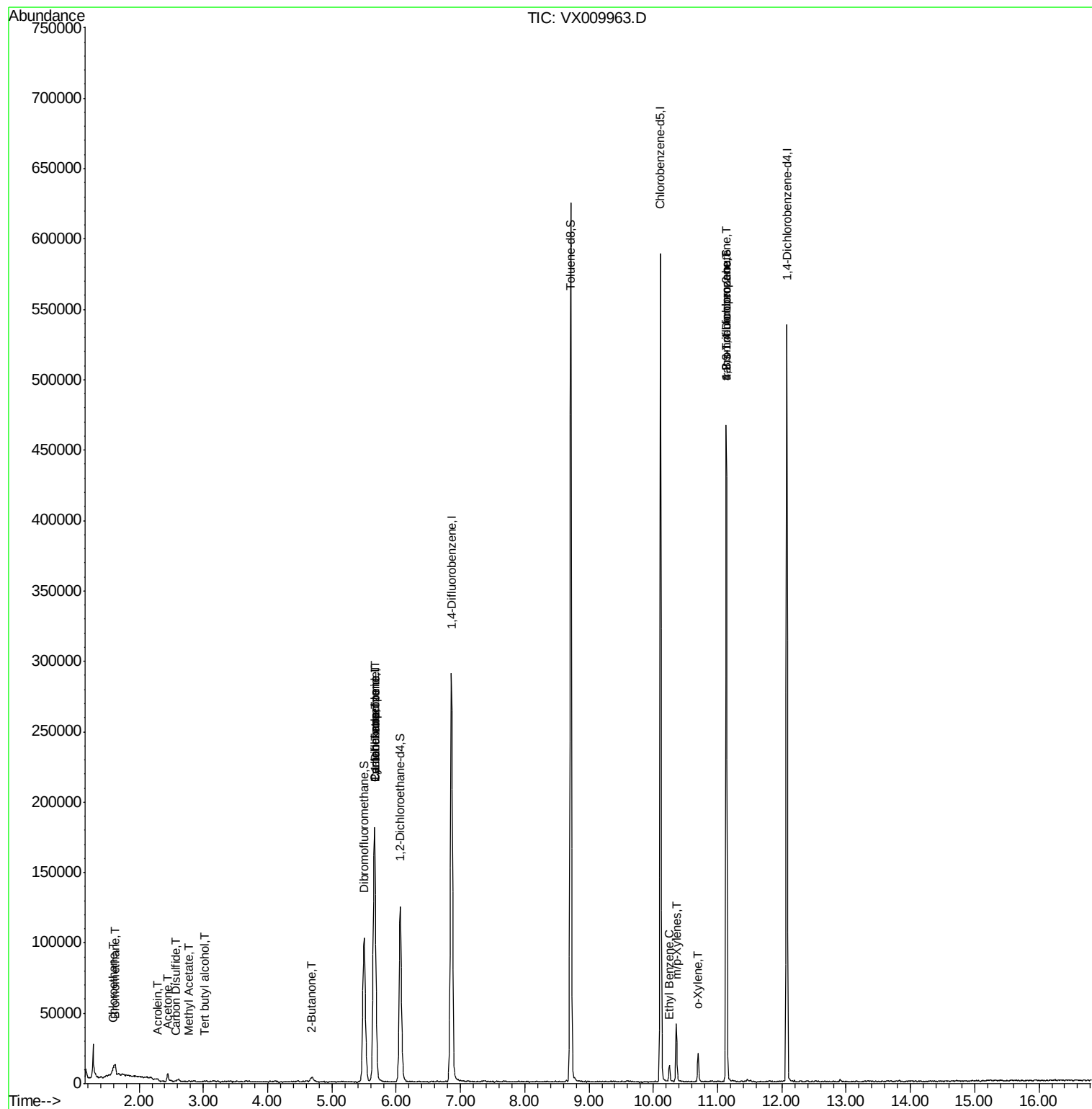
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	348	0.224	ug/l #	69
6) Chloroethane	1.59	64	8389	5.321	ug/l #	49
11) Tert butyl alcohol	3.02	59	711	1.183	ug/l #	88
13) Acrolein	2.29	56	290	21.720	ug/l #	68
16) Acetone	2.45	43	5660	4.010	ug/l	89
17) Carbon Disulfide	2.57	76	829	0.540	ug/l #	70
18) Methyl Acetate	2.78	43	707	0.215	ug/l #	61
25) 2-Butanone	4.68	43	6653	3.025	ug/l	98
31) Cyclohexane	5.66	56	4351	1.170	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14258	5.037	ug/l #	52
38) Carbon Tetrachloride	5.66	117	16454	6.727	ug/l #	16
67) Ethyl Benzene	10.25	91	6650	0.696	ug/l	92
68) m/p-Xylenes	10.36	106	9588	2.716	ug/l	98
69) o-Xylene	10.69	106	4306	1.272	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	63263	24.254	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63263	60.007	ug/l #	10

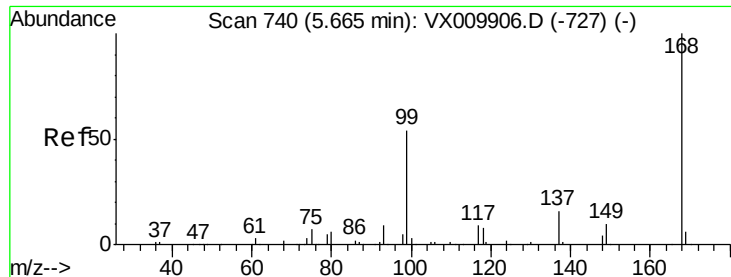
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009963.D

Acq: 30 May 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

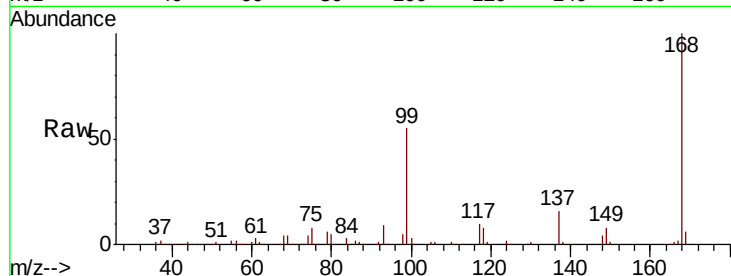
TRIANGLE

Tot Ion:168 Resp: 172949

Ion Ratio Lower Upper

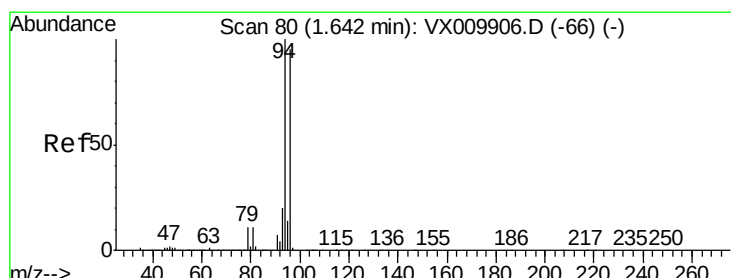
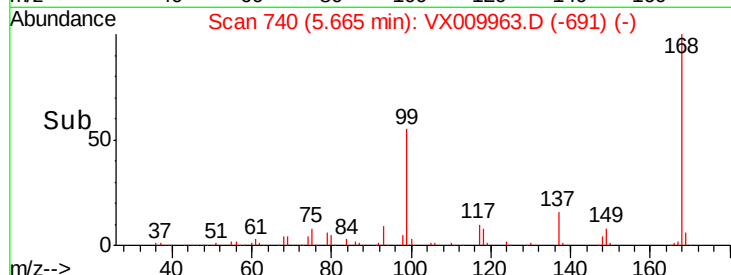
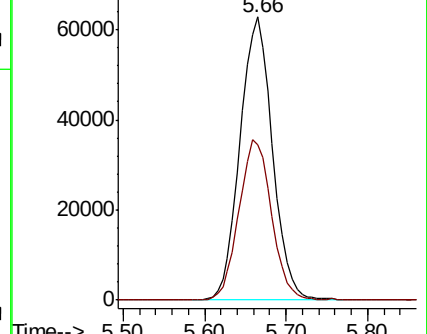
168 100

99 54.8 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.224 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX009963.D

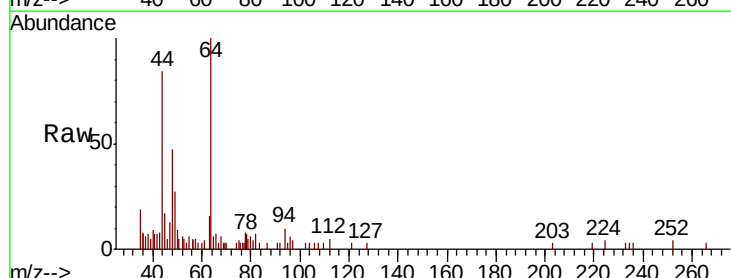
Acq: 30 May 2019 16:15

Tgt Ion: 94 Resp: 348

Ion Ratio Lower Upper

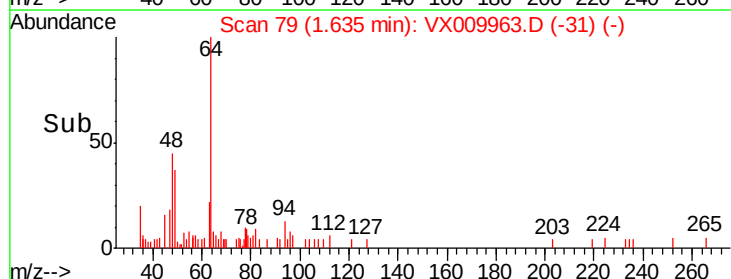
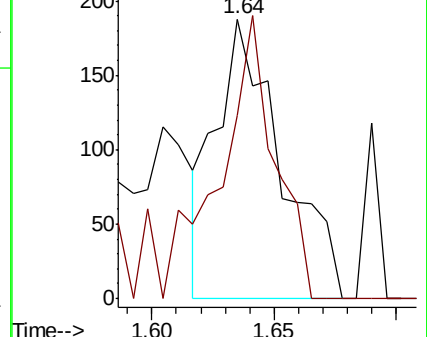
94 100

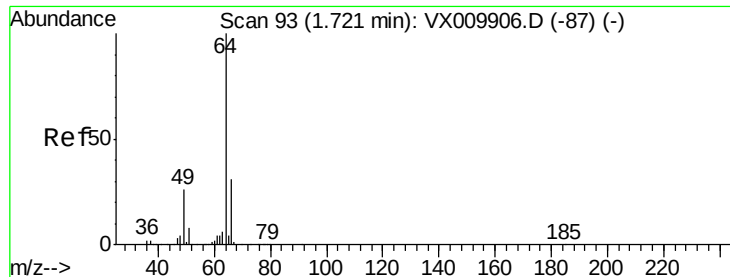
96 65.4 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 5.321 ug/l

RT: 1.59 min Scan# 72

Delta R.T. -0.13 min

Lab File: VX009963.D

Acq: 30 May 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

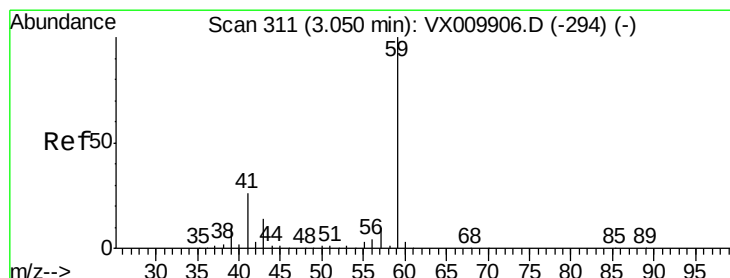
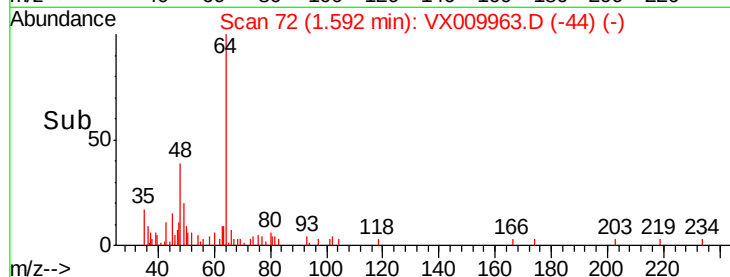
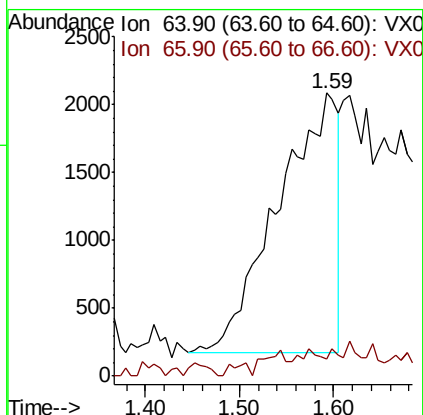
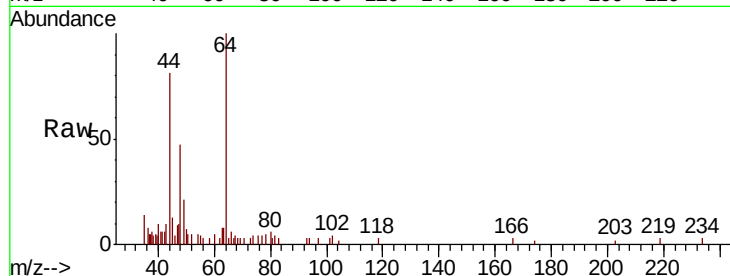
TRIANGLE

Tot Ion: 64 Resp: 8389

Ion Ratio Lower Upper

64 100

66 3.2 25.1 37.7#



#11

Tert butyl alcohol

Concen: 1.183 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX009963.D

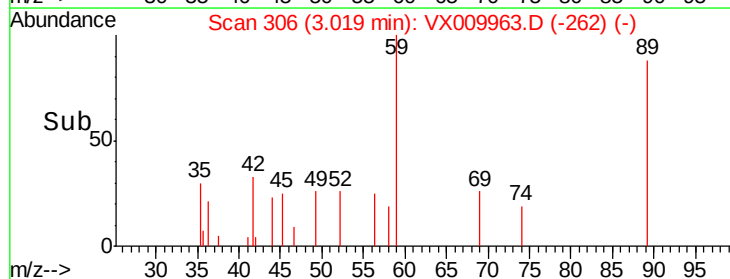
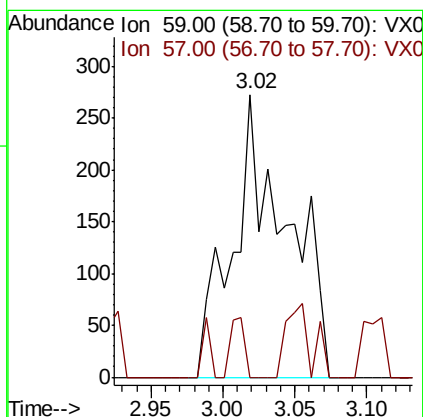
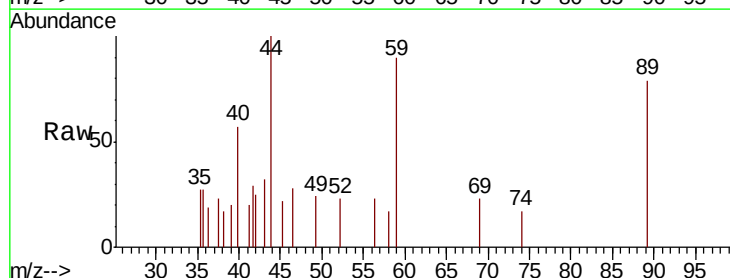
Acq: 30 May 2019 16:15

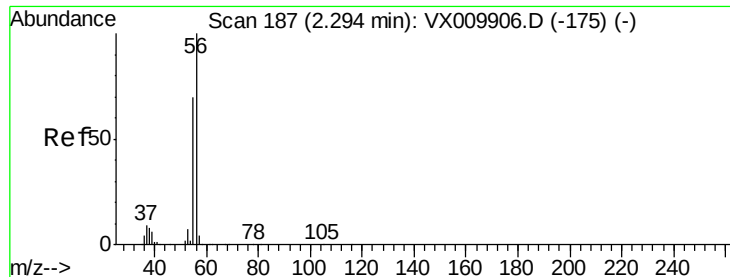
Tgt Ion: 59 Resp: 711

Ion Ratio Lower Upper

59 100

57 5.8 8.2 12.2#





#13

Acrolein

Concen: 21.720 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009963.D

Acq: 30 May 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

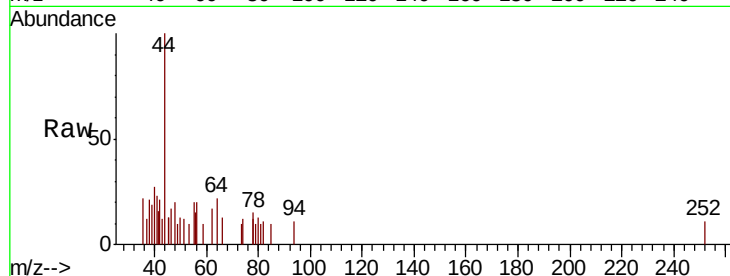
TRIANGLE

Tot Ion: 56 Resp: 290

Ion Ratio Lower Upper

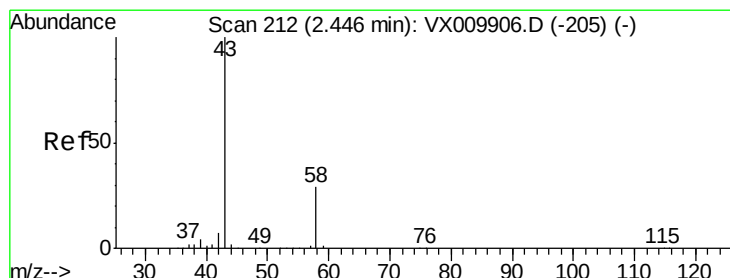
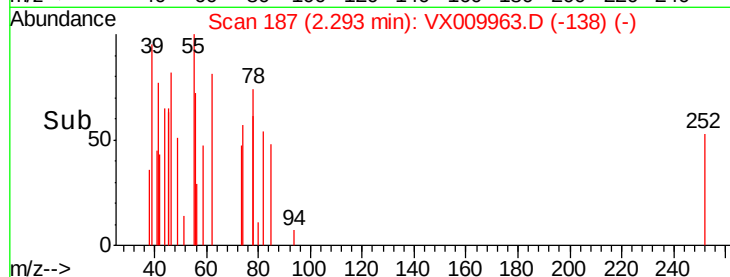
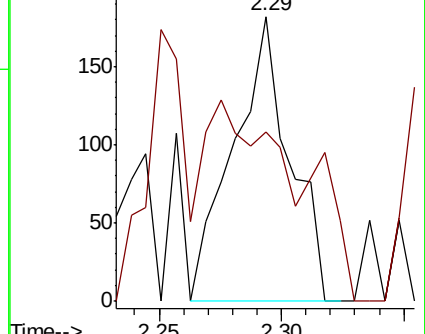
56 100

55 44.5 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 4.010 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009963.D

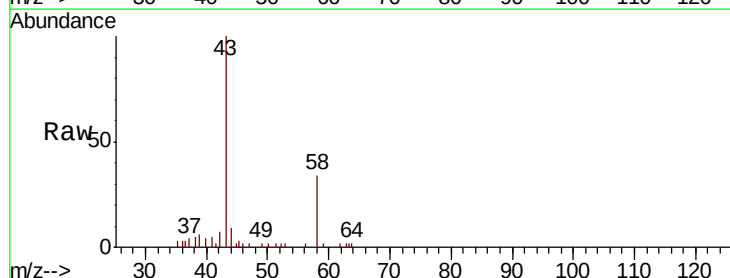
Acq: 30 May 2019 16:15

Tgt Ion: 43 Resp: 5660

Ion Ratio Lower Upper

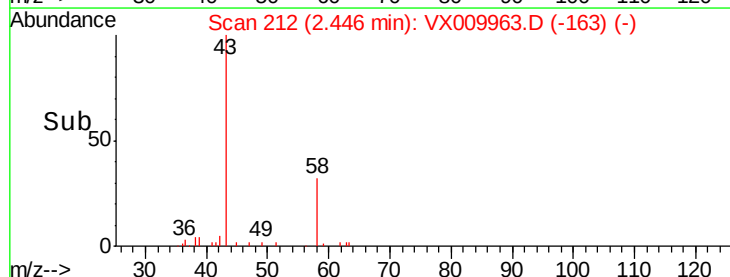
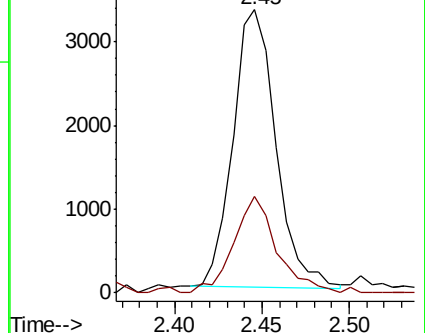
43 100

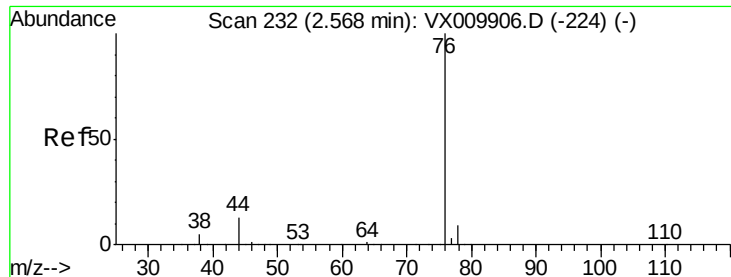
58 34.7 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.540 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009963.D

Acq: 30 May 2019 16:15

Instrument :

MSVOA_X

ClientSampled :

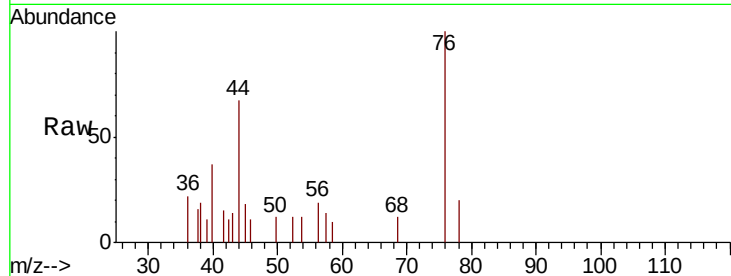
TRIANGLE

Tot Ion: 76 Resp: 829

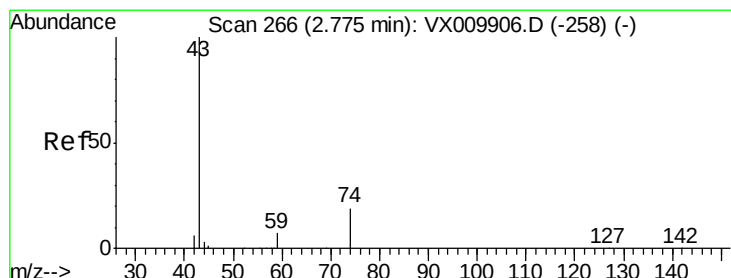
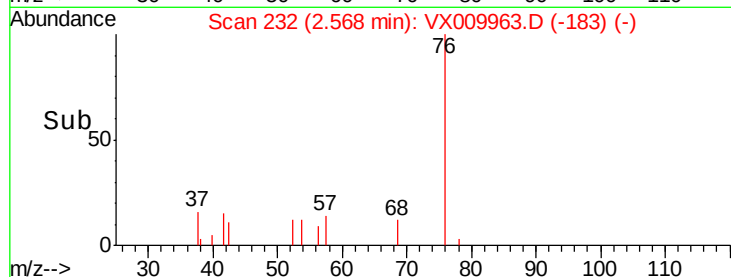
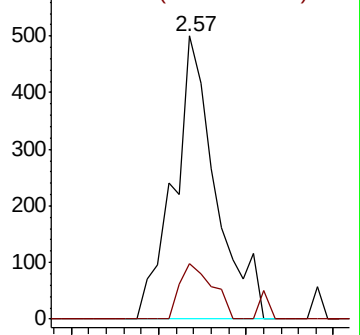
Ion Ratio Lower Upper

76 100

78 19.6 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0



#18

Methyl Acetate

Concen: 0.215 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX009963.D

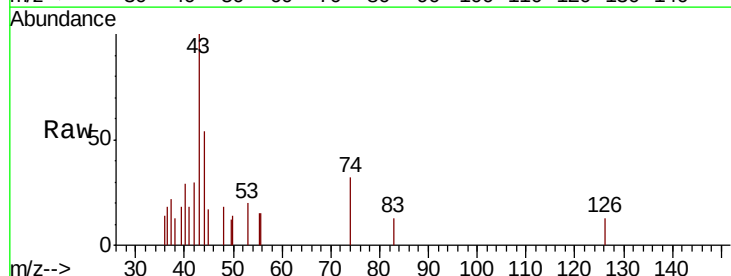
Acq: 30 May 2019 16:15

Tgt Ion: 43 Resp: 707

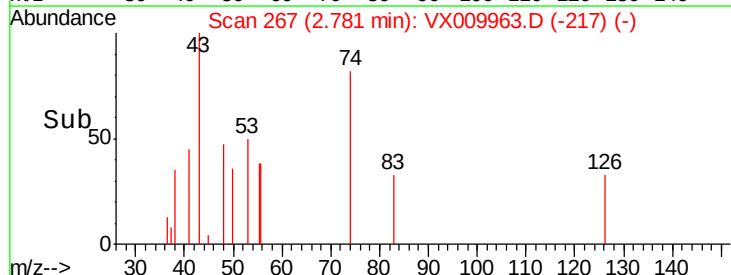
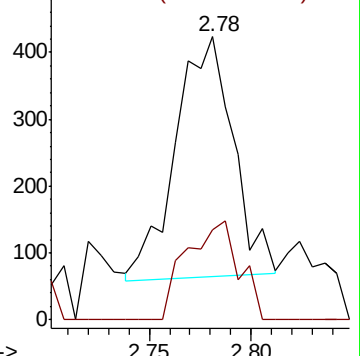
Ion Ratio Lower Upper

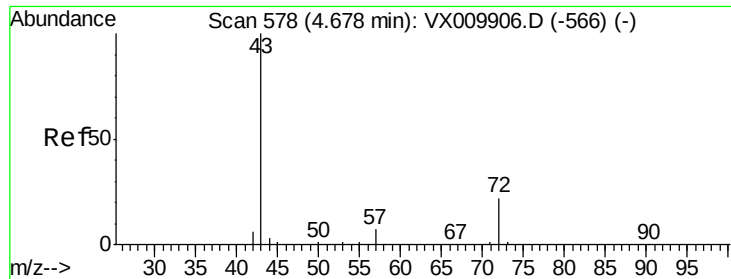
43 100

74 37.5 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0





#25

2-Butanone

Concen: 3.025 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX009963.D

Acq: 30 May 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

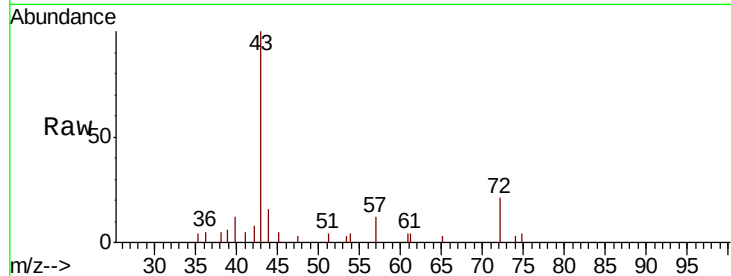
TRIANGLE

Tot Ion: 43 Resp: 6653

Ion Ratio Lower Upper

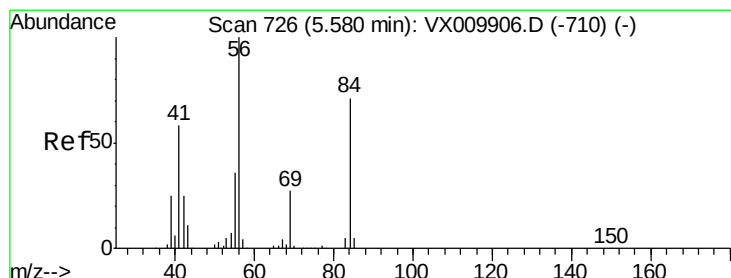
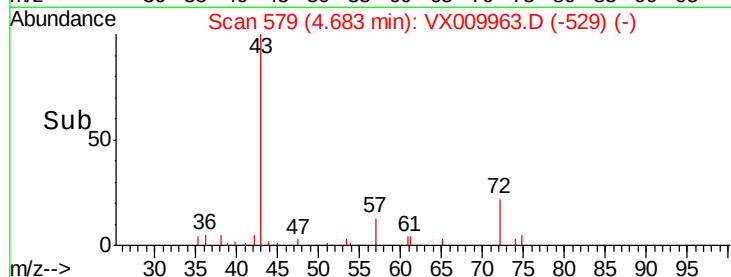
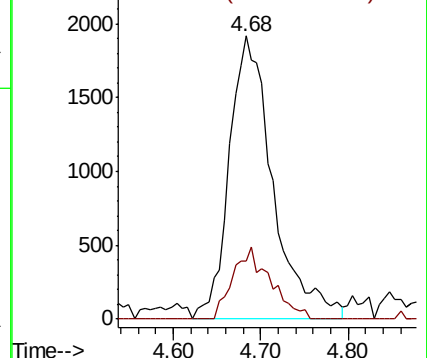
43 100

72 20.8 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.170 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009963.D

Acq: 30 May 2019 16:15

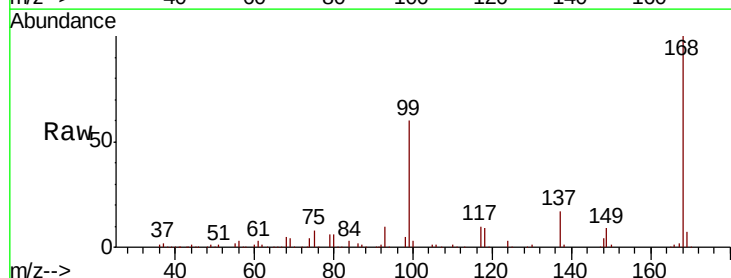
Tgt Ion: 56 Resp: 4351

Ion Ratio Lower Upper

56 100

69 169.7 21.6 32.4#

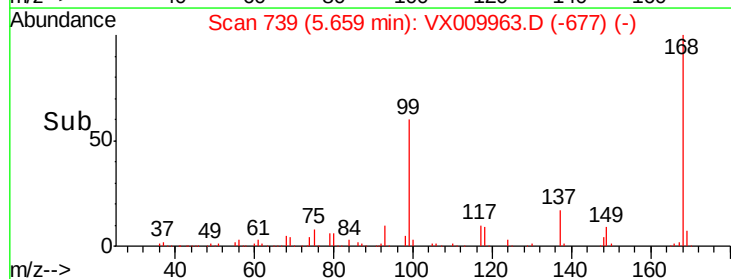
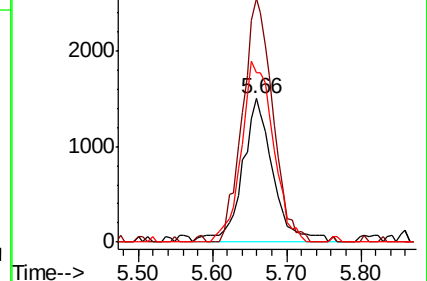
84 118.5 56.8 85.2#

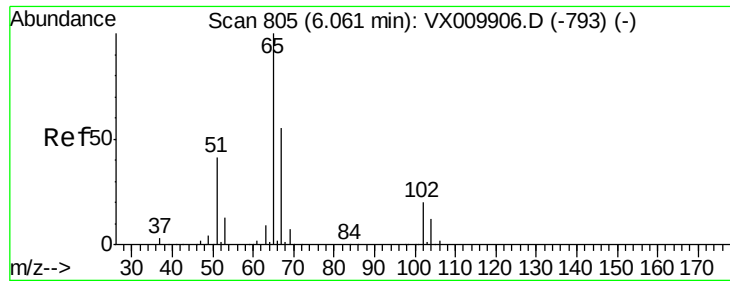


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

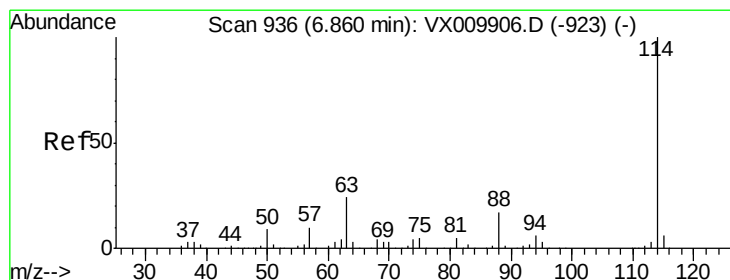
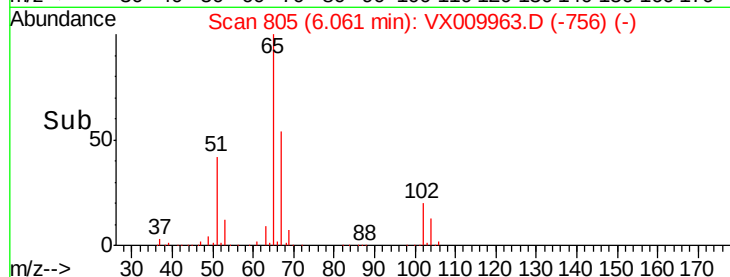
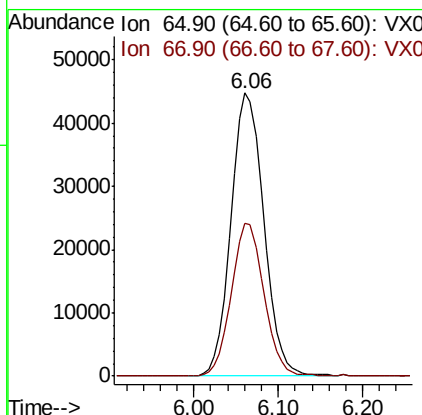
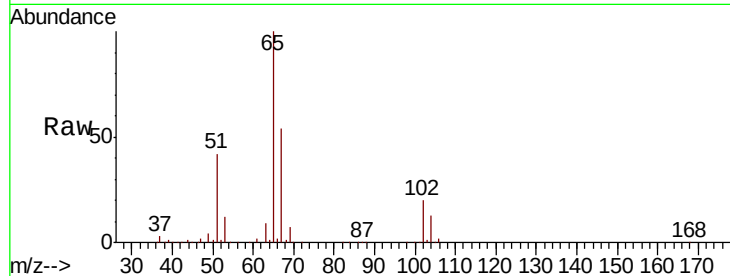




#33
 1,2-Dichloroethane-d4
 Concen: 48.385 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009963.D
 Acq: 30 May 2019 16:15

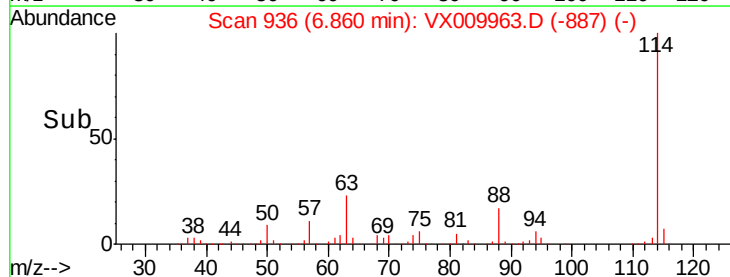
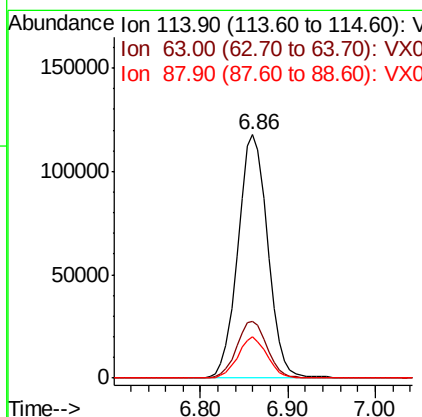
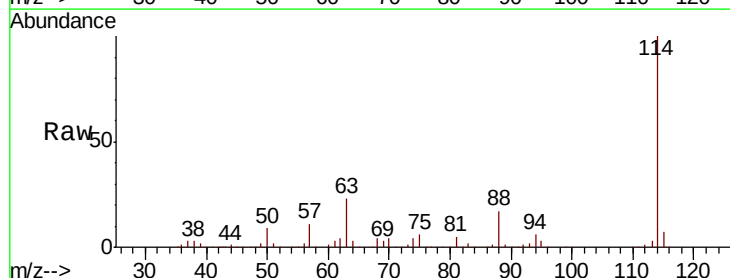
Instrument :
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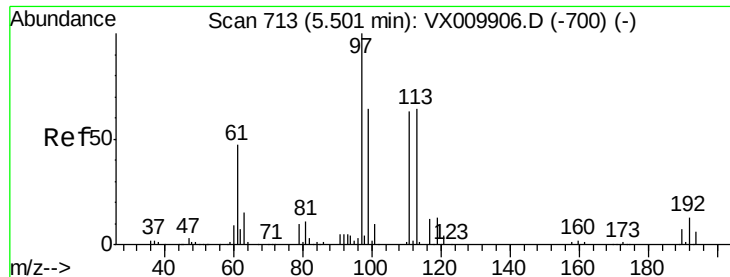
Tot Ion: 65 Resp: 118208
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009963.D
 Acq: 30 May 2019 16:15

Tgt Ion: 114 Resp: 278996
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 47.4
 88 17.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.092 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009963.D

Acq: 30 May 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

TRIANGLE

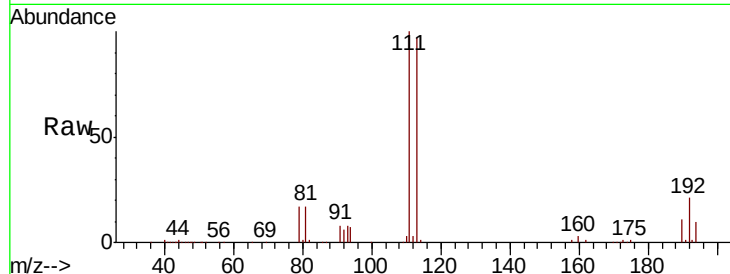
Tot Ion:113 Resp: 87865

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.2

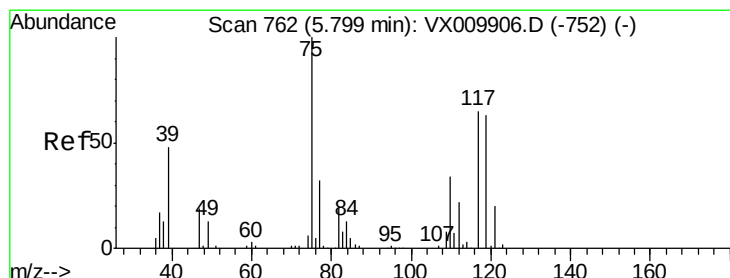
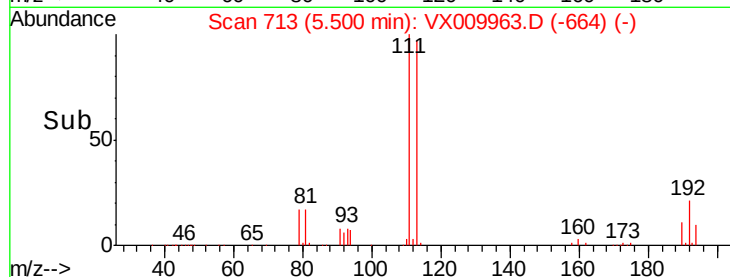
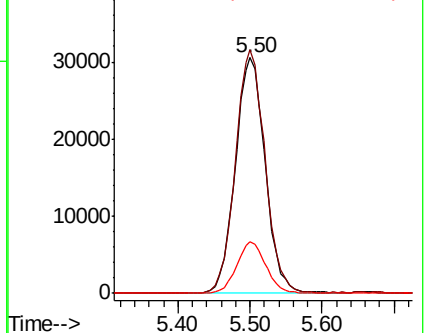
192 21.3 17.1 25.7



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: 5.037 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009963.D

Acq: 30 May 2019 16:15

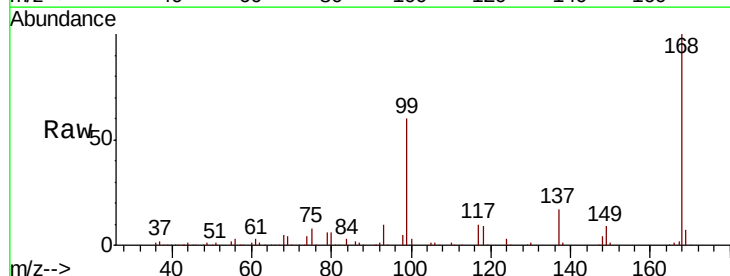
Tgt Ion: 75 Resp: 14258

Ion Ratio Lower Upper

75 100

110 10.3 16.7 50.1#

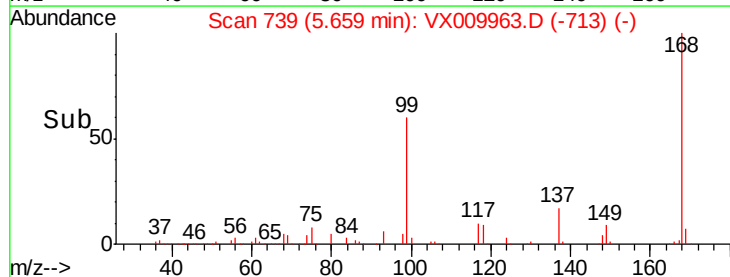
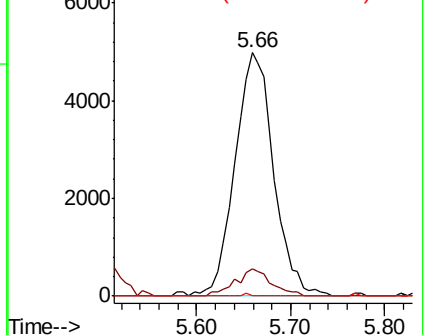
77 0.1 25.0 37.4#

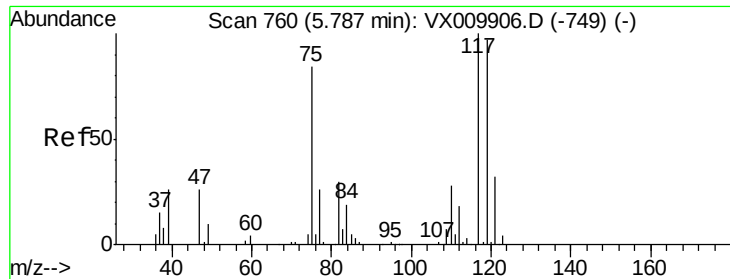


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.727 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009963.D

Acq: 30 May 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

TRIANGLE

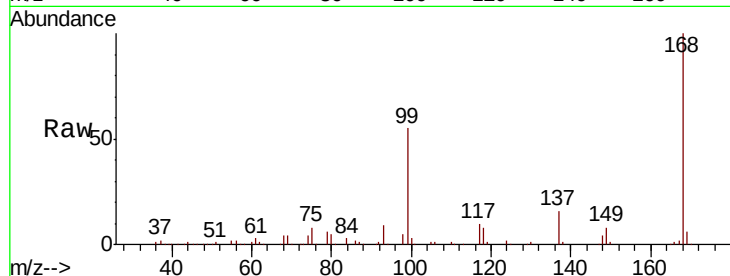
Tot Ion:117 Resp: 16454

Ion Ratio Lower Upper

117 100

119 5.5 77.3 115.9#

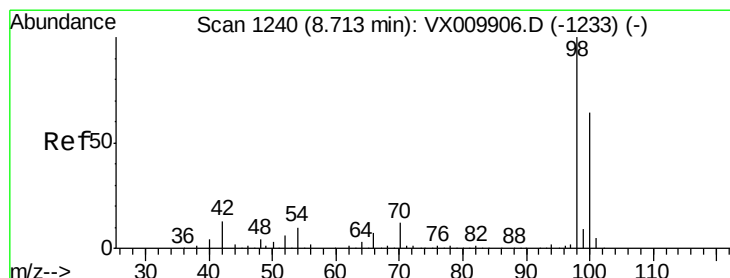
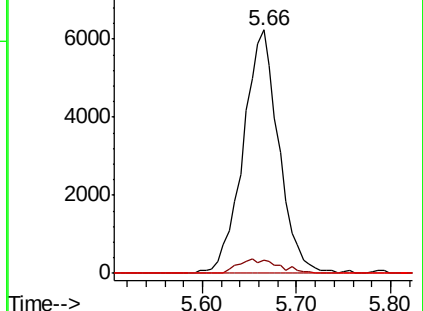
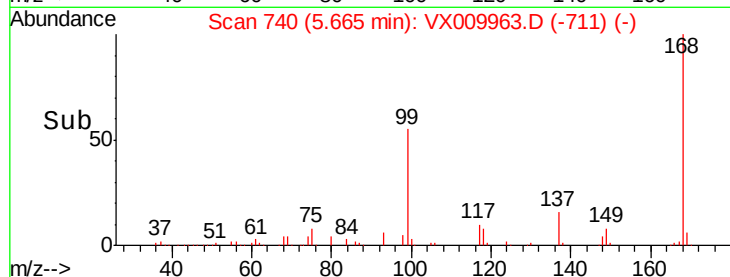
121 0.0 25.4 38.0#



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: 50.150 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009963.D

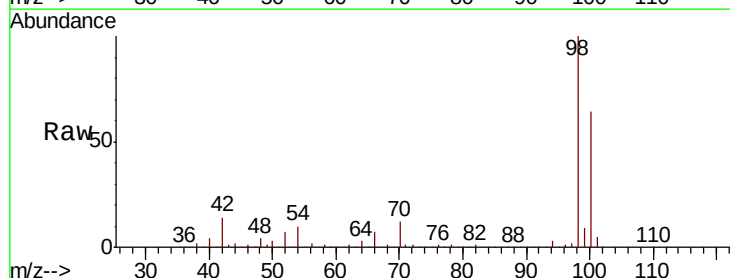
Acq: 30 May 2019 16:15

Tgt Ion: 98 Resp: 357207

Ion Ratio Lower Upper

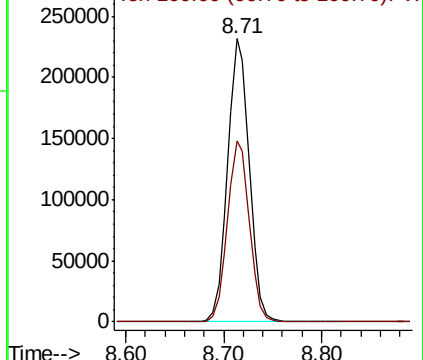
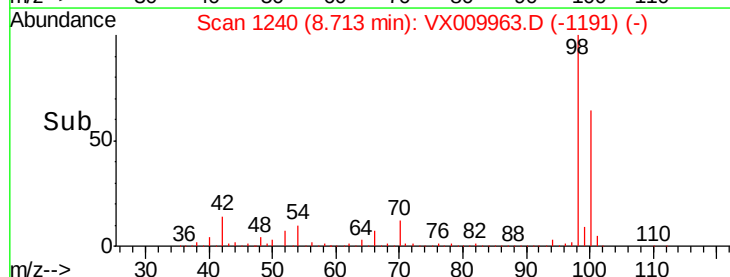
98 100

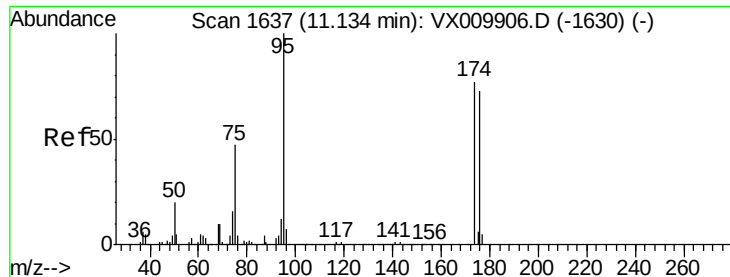
100 64.4 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

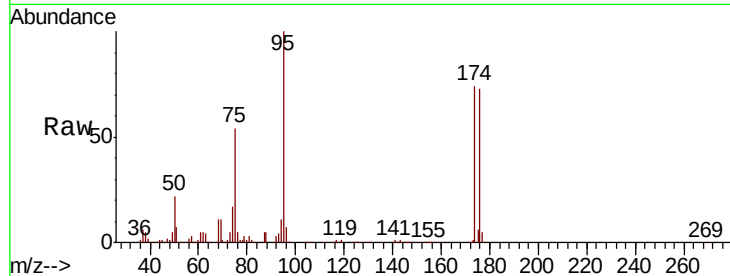




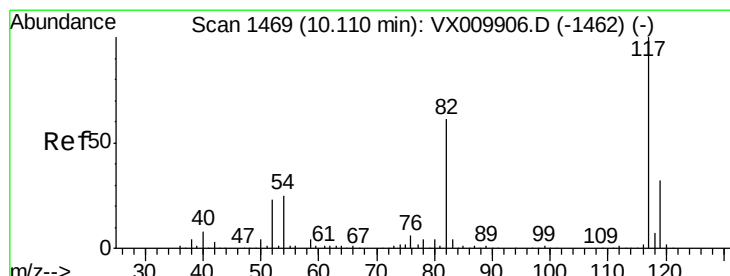
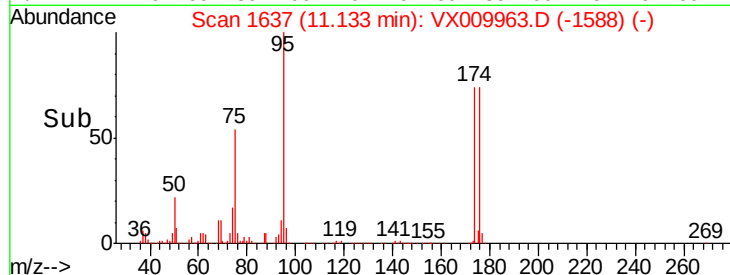
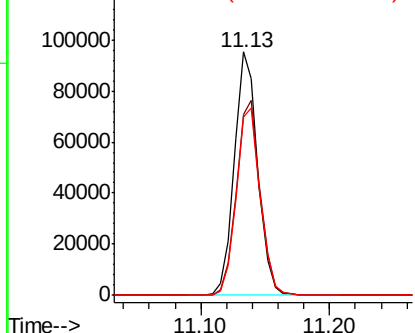
#62
4-Bromofluorobenzene
Concen: 47.046 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009963.D
Acq: 30 May 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
TRIANGLE

Tot Ion: 95 Resp: 120361
Ion Ratio Lower Upper
95 100
174 81.1 0.0 160.4
176 78.7 0.0 154.6

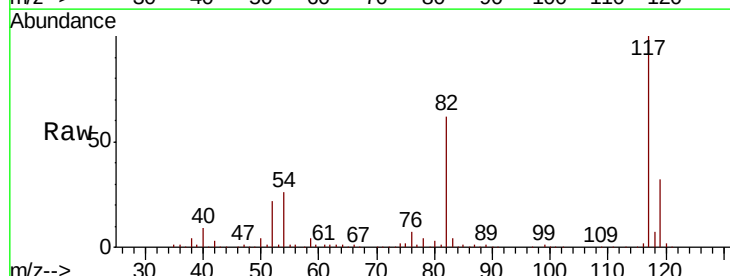


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

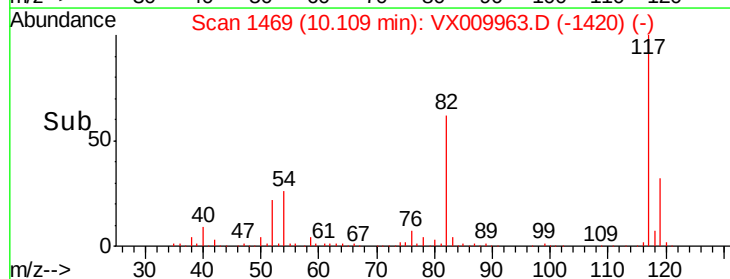
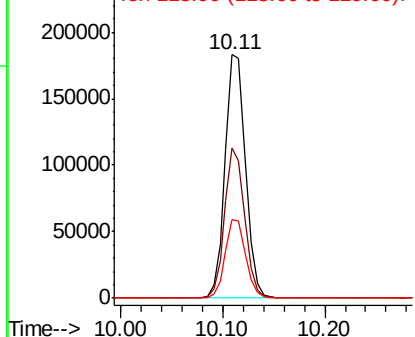


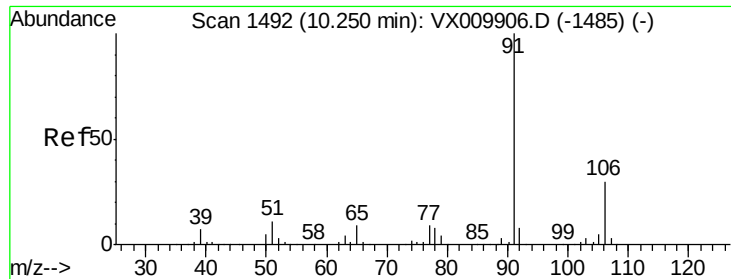
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009963.D
Acq: 30 May 2019 16:15

Tgt Ion: 117 Resp: 254199
Ion Ratio Lower Upper
117 100
82 61.6 49.2 73.8
119 32.0 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 0.696 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009963.D

Acq: 30 May 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

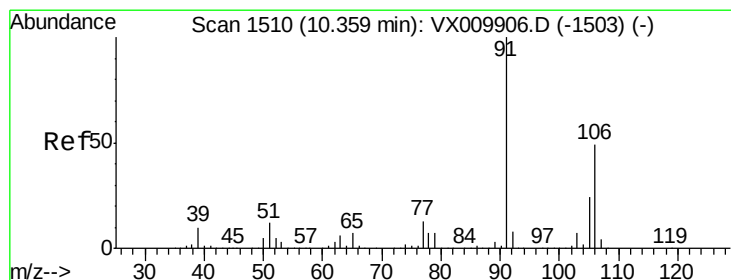
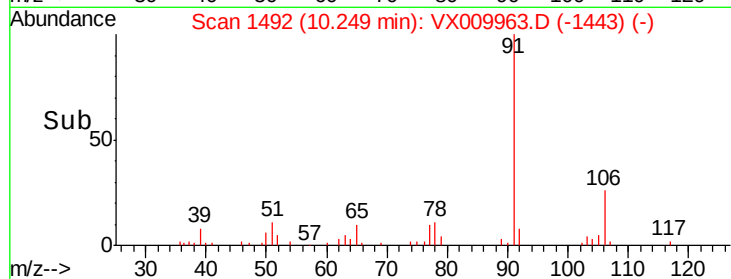
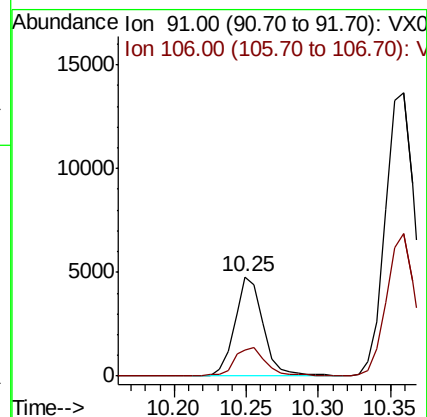
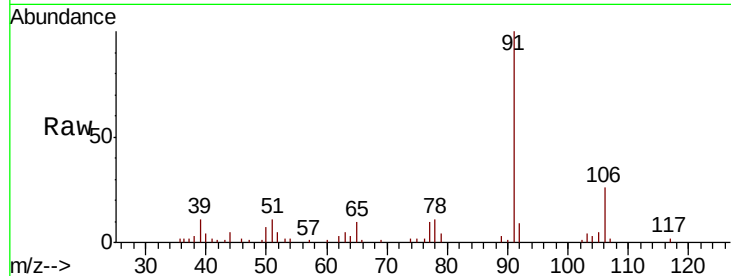
TRIANGLE

Tot Ion: 91 Resp: 6650

Ion Ratio Lower Upper

91 100

106 25.7 23.9 35.9



#68

m/p-Xylenes

Concen: 2.716 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009963.D

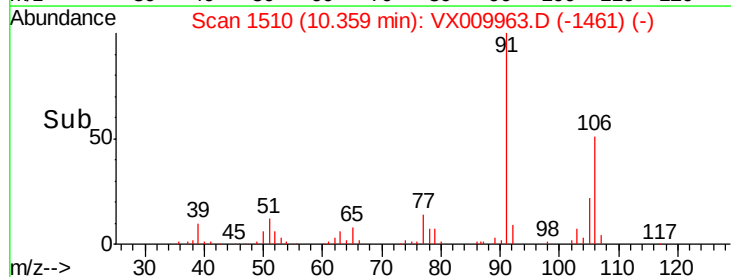
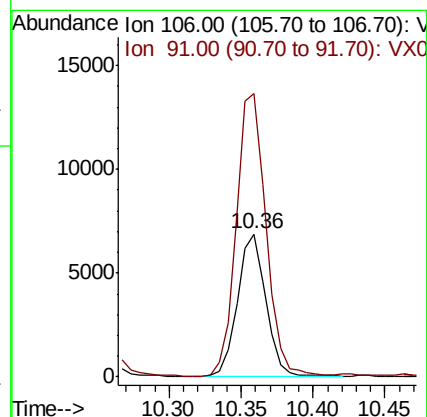
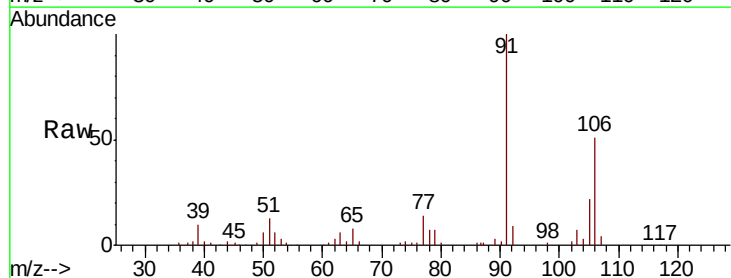
Acq: 30 May 2019 16:15

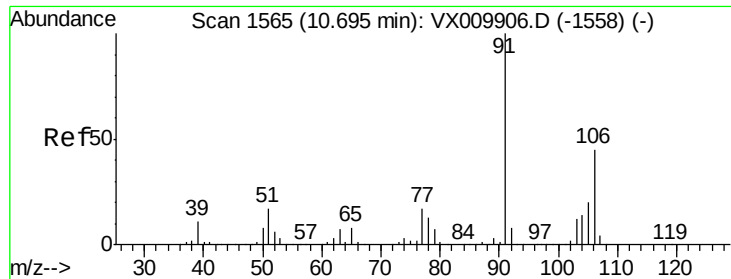
Tgt Ion: 106 Resp: 9588

Ion Ratio Lower Upper

106 100

91 206.7 167.3 250.9

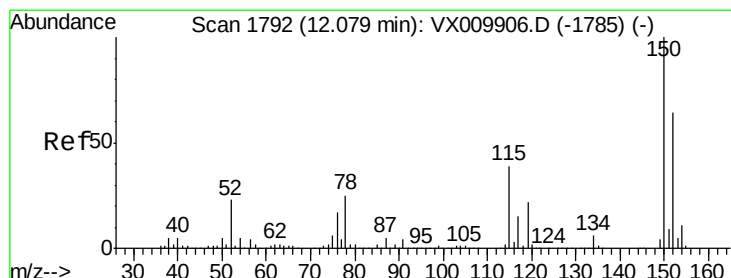
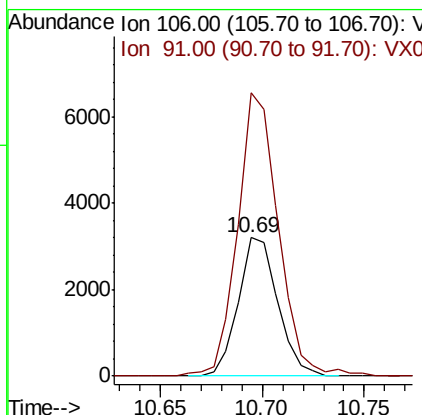
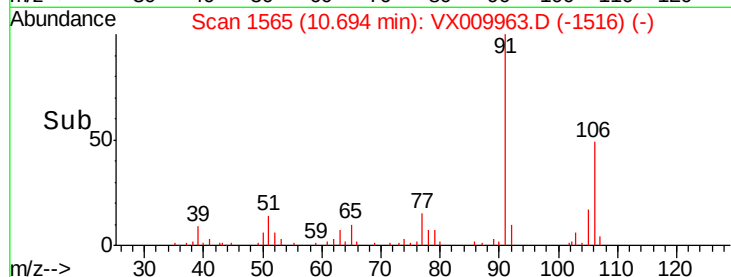
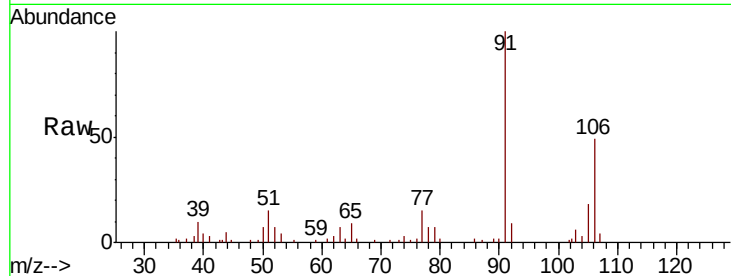




#69
o-Xylene
Concen: 1.272 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009963.D
Acq: 30 May 2019 16:15

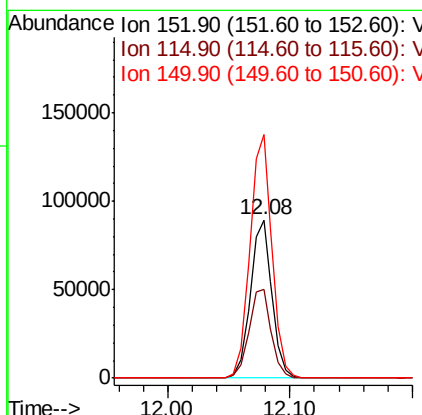
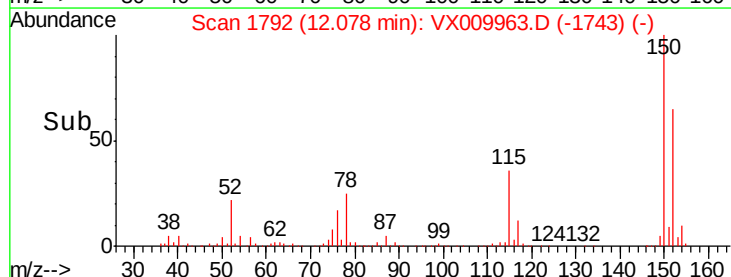
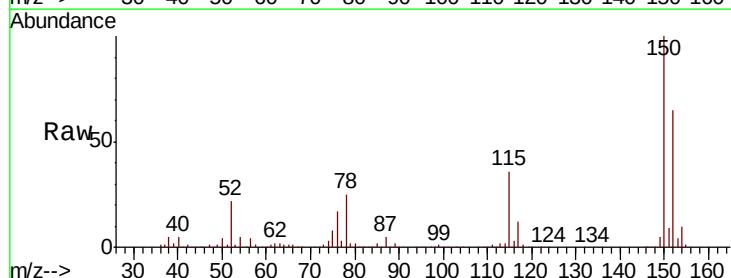
Instrument :
MSVOA_X
ClientSampleId :
TRIANGLE

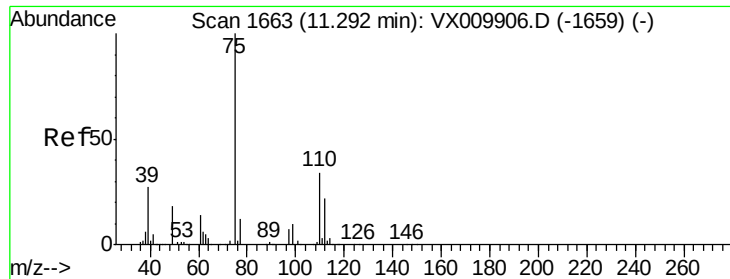
Tot Ion:106 Resp: 4306
Ion Ratio Lower Upper
106 100
91 211.0 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009963.D
Acq: 30 May 2019 16:15

Tgt Ion:152 Resp: 109078
Ion Ratio Lower Upper
152 100
115 58.2 41.4 124.2
150 157.2 0.0 345.2

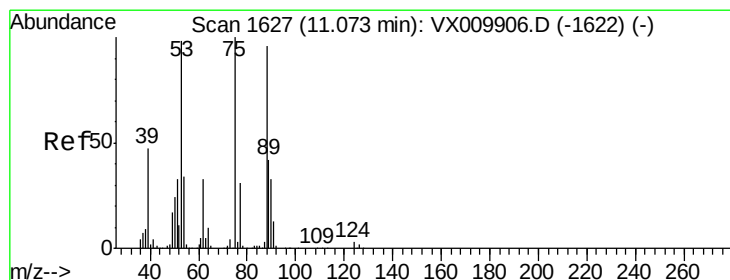
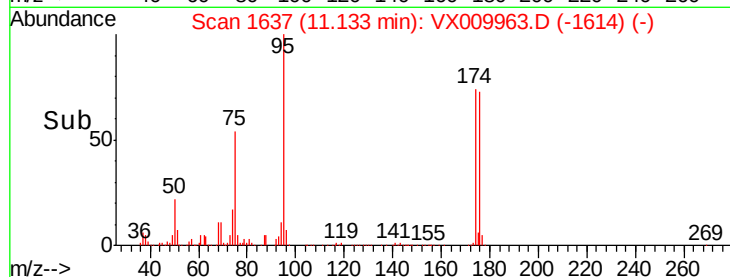
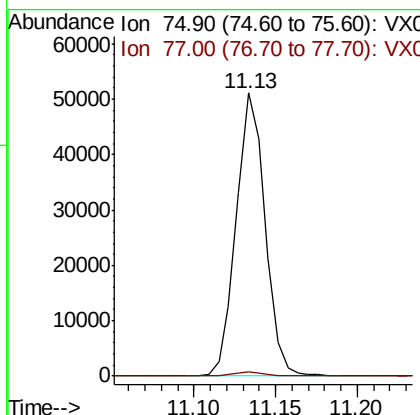
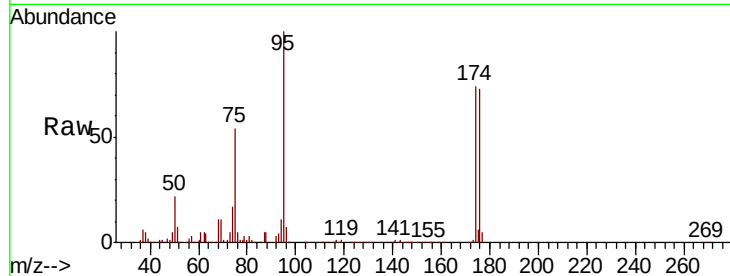




#76
 1,2,3-Trichloropropane
 Concen: 24.254 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009963.D
 Acq: 30 May 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIANGLE

Tot Ion: 75 Resp: 63263
 Ion Ratio Lower Upper
 75 100
 77 1.6 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.007 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009963.D
 Acq: 30 May 2019 16:15

Tgt Ion: 75 Resp: 63263
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.8 119.6#
 89 0.0 34.2 51.4#

