

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013668.D
 Acq On : 27 Nov 2019 22:27
 Operator : JC/SP
 Sample : VX1127WBL03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 28 04:19:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	668771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1043683	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	938906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	421302	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	383209	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
35) Dibromofluoromethane	5.48	113	314880	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
50) Toluene-d8	8.71	98	1244828	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
62) 4-Bromofluorobenzene	11.14	95	416468	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	

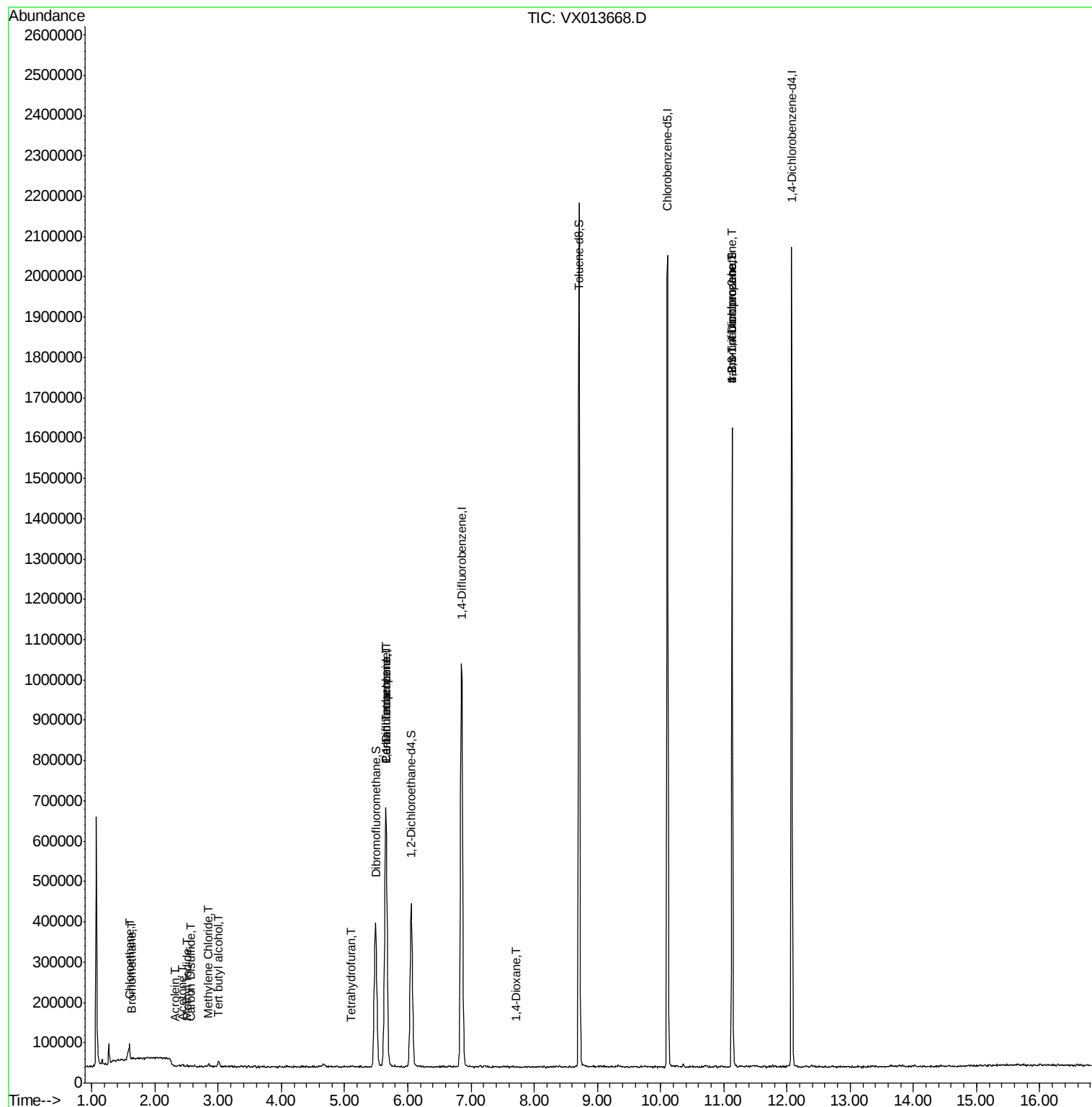
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2181	0.345	ug/l	93
6) Chloroethane	1.61	64	3862	0.722	ug/l #	86
10) Methyl Iodide	2.51	142	1977	0.256	ug/l	98
11) Tert butyl alcohol	3.01	59	8037	4.194	ug/l #	94
13) Acrolein	2.33	56	155	6.122	ug/l #	15
16) Acetone	2.43	43	5777	1.507	ug/l	99
17) Carbon Disulfide	2.56	76	4070	0.224	ug/l #	75
20) Methylene Chloride	2.84	84	3627	0.493	ug/l #	80
29) Tetrahydrofuran	5.11	42	911	0.259	ug/l #	42
36) 1,1-Dichloropropene	5.65	75	44561	4.703	ug/l #	53
38) Carbon Tetrachloride	5.65	117	58917	6.744	ug/l #	15
49) 1,4-Dioxane	7.72	88	487	2.559	ug/l #	85
76) 1,2,3-Trichloropropane	11.13	75	206244	21.765	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	206244	59.546	ug/l #	11

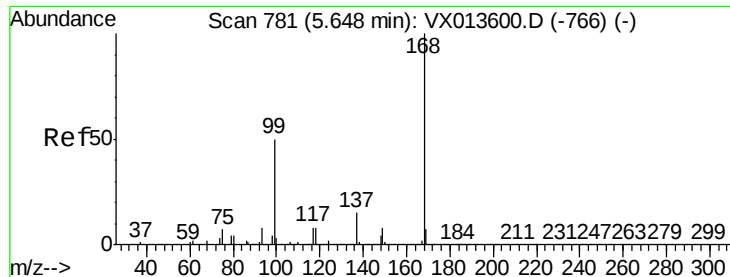
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112719\
Data File : VX013668.D
Acq On : 27 Nov 2019 22:27
Operator : JC/SP
Sample : VX1127WBL03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Nov 28 04:19:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration

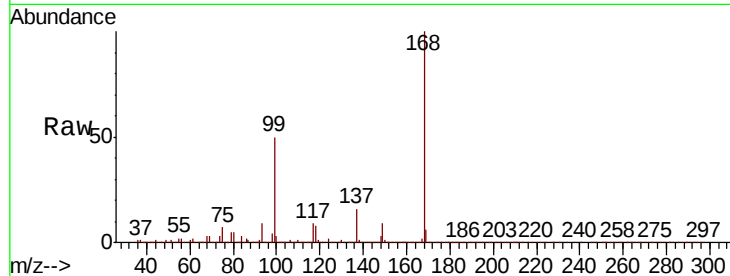




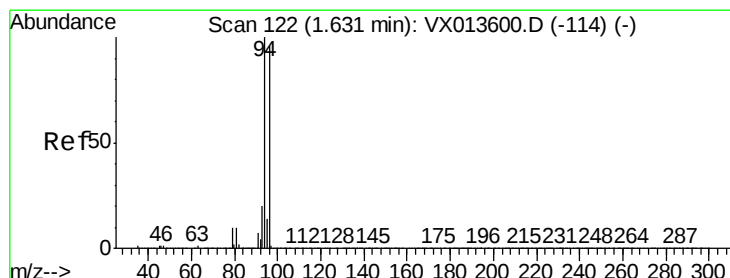
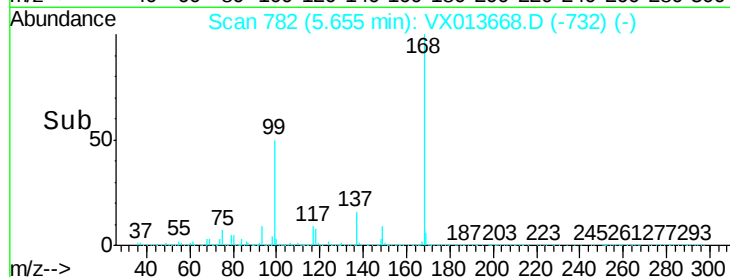
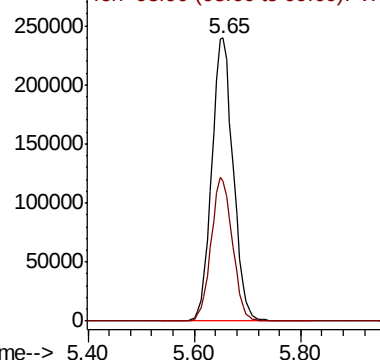
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX013668.D
Acq: 27 Nov 2019 22:27

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 668771
Ion Ratio Lower Upper
168 100
99 49.6 39.8 59.8

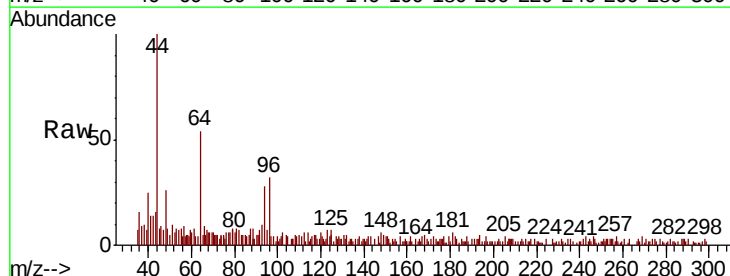


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0

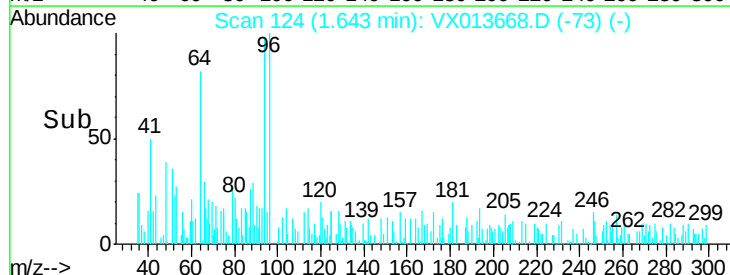
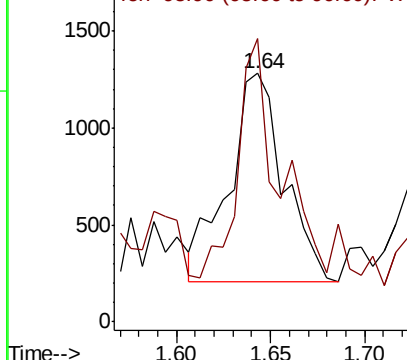


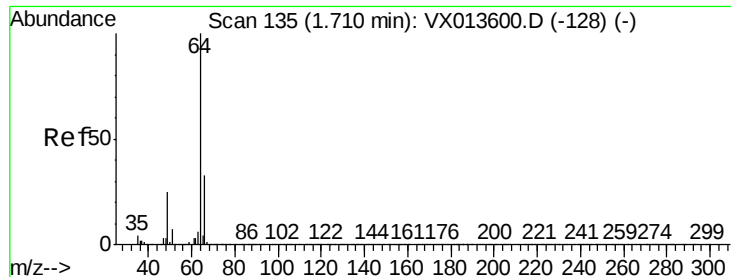
#5
Bromomethane
Concen: 0.345 ug/l
RT: 1.64 min Scan# 124
Delta R.T. 0.01 min
Lab File: VX013668.D
Acq: 27 Nov 2019 22:27

Tgt Ion: 94 Resp: 2181
Ion Ratio Lower Upper
94 100
96 89.2 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.722 ug/l

RT: 1.61 min Scan# 118

Delta R.T. -0.10 min

Lab File: VX013668.D

Acq: 27 Nov 2019 22:27

Instrument :

MSVOA_X

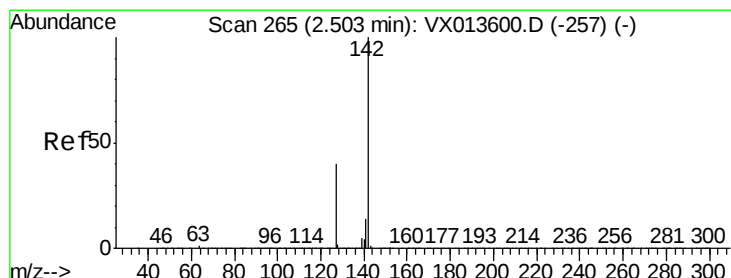
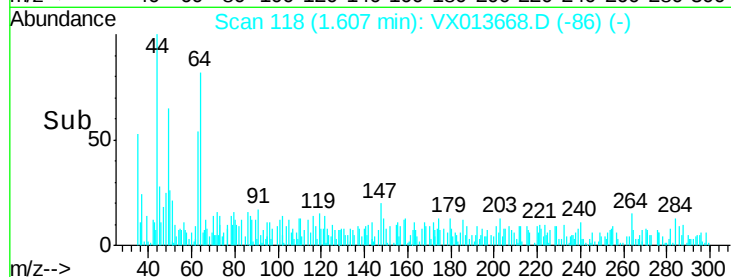
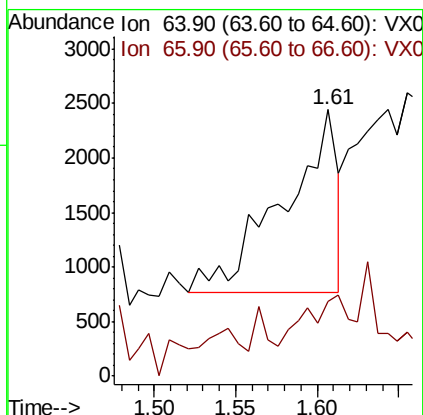
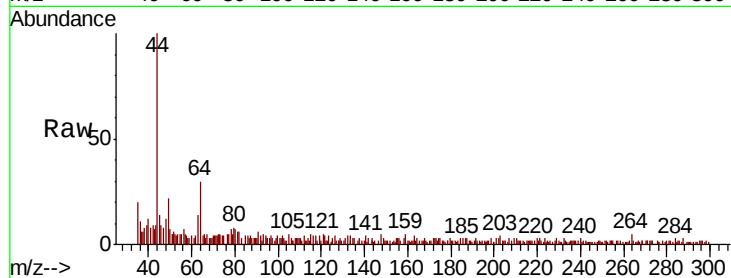
ClientSampleId :

Tot Ion: 64 Resp: 3862

Ion Ratio Lower Upper

64 100

66 25.5 26.7 40.1#



#10

Methyl Iodide

Concen: 0.256 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX013668.D

Acq: 27 Nov 2019 22:27

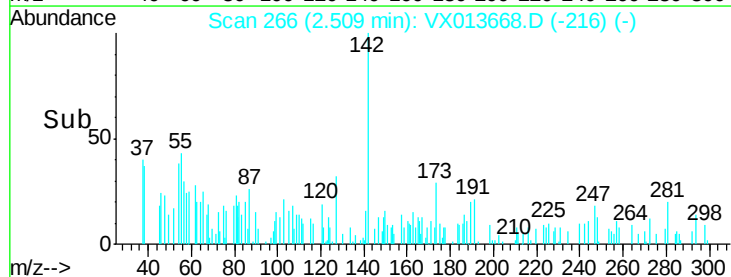
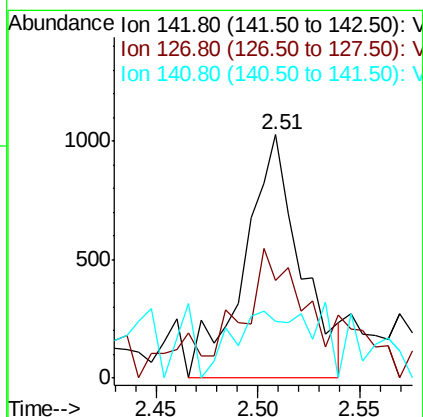
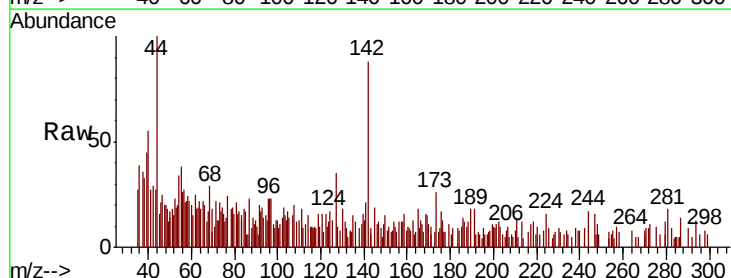
Tgt Ion: 142 Resp: 1977

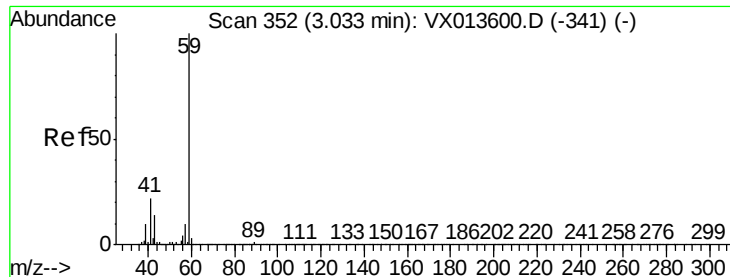
Ion Ratio Lower Upper

142 100

127 38.6 31.0 46.4

141 17.2 11.6 17.4

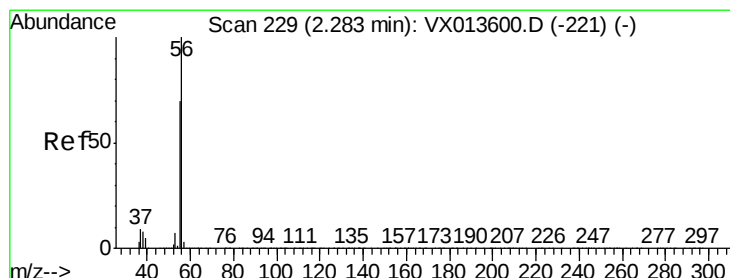
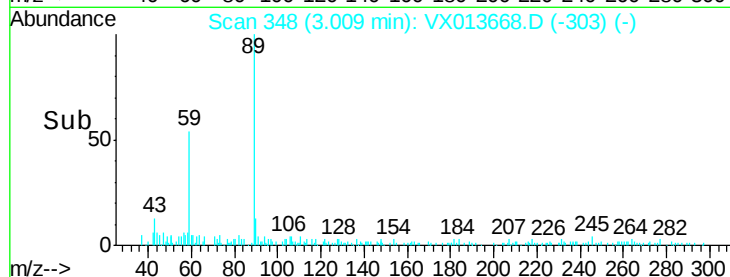
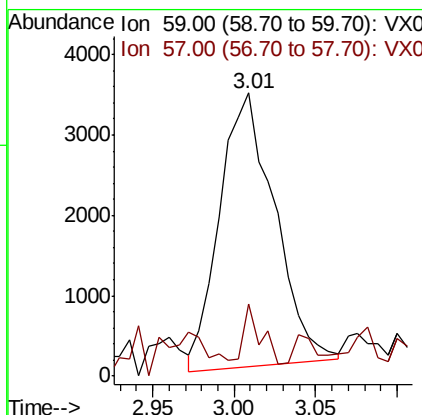
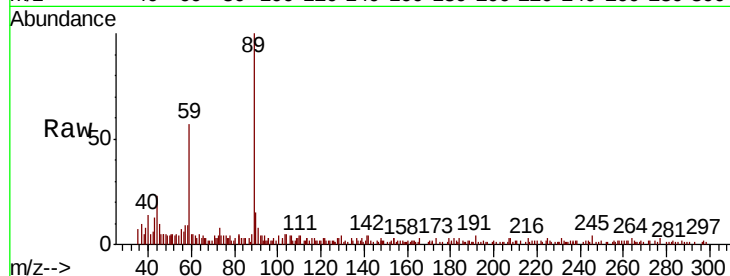




#11
Tert butyl alcohol
Concen: 4.194 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013668.D
Acq: 27 Nov 2019 22:27

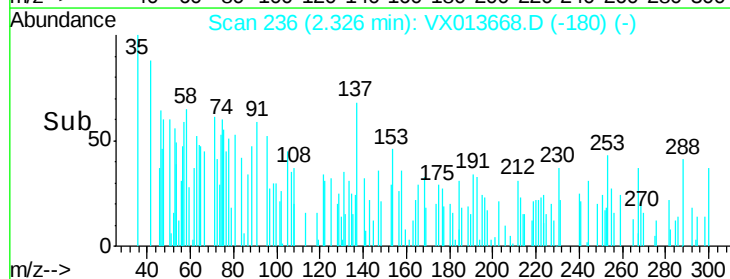
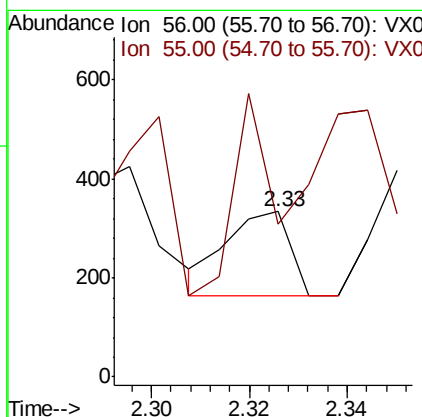
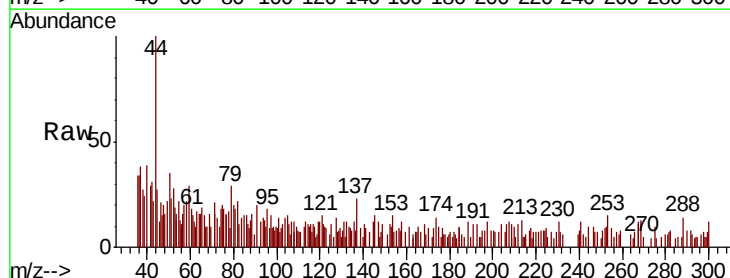
Instrument :
MSVOA_X
ClientSampleId :

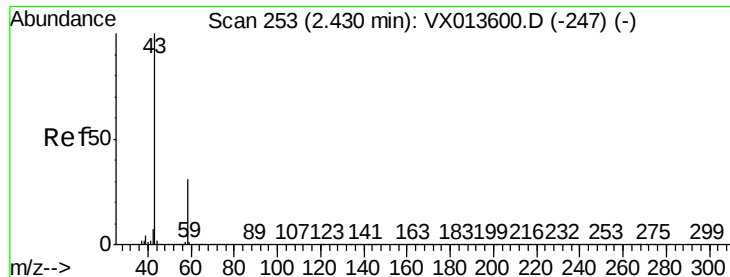
Tot Ion: 59 Resp: 8037
Ion Ratio Lower Upper
59 100
57 7.5 7.8 11.6#



#13
Acrolein
Concen: 6.122 ug/l
RT: 2.33 min Scan# 236
Delta R.T. 0.04 min
Lab File: VX013668.D
Acq: 27 Nov 2019 22:27

Tgt Ion: 56 Resp: 155
Ion Ratio Lower Upper
56 100
55 140.0 56.2 84.4#





#16

Acetone

Concen: 1.507 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013668.D

Acq: 27 Nov 2019 22:27

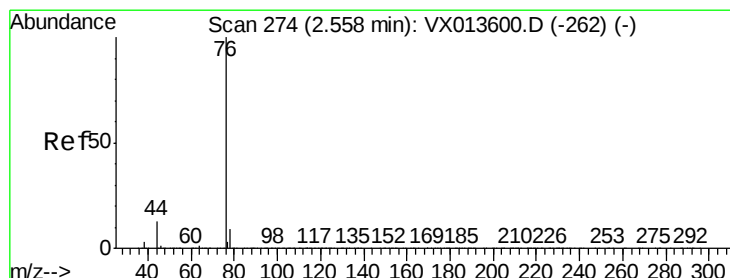
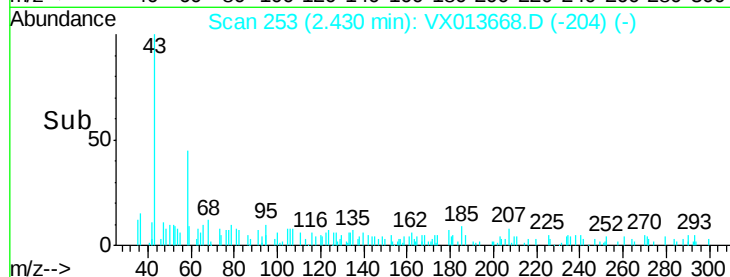
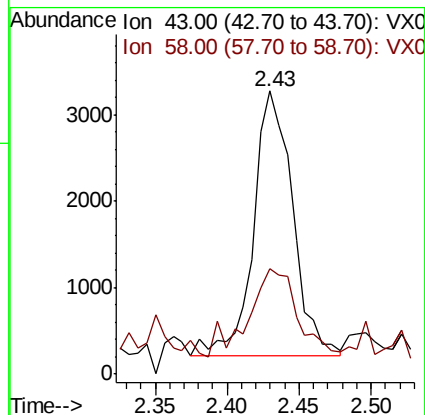
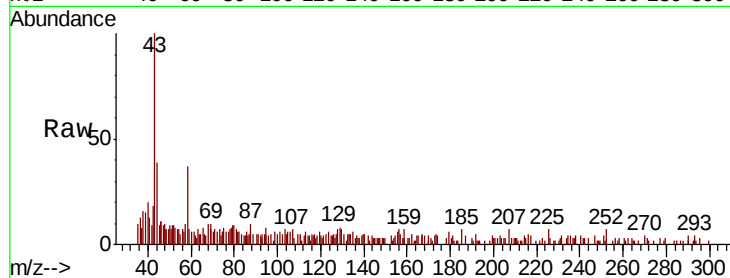
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 5777

Ion Ratio Lower Upper

43 100

58 31.0 24.6 36.8



#17

Carbon Disulfide

Concen: 0.224 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013668.D

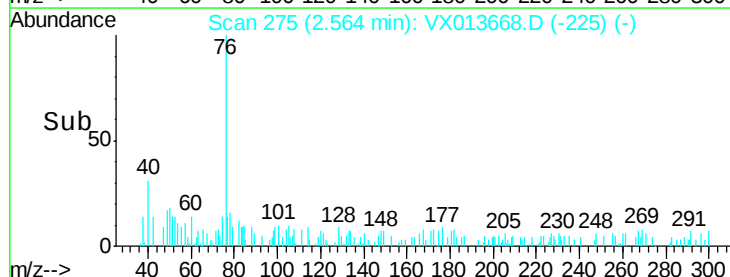
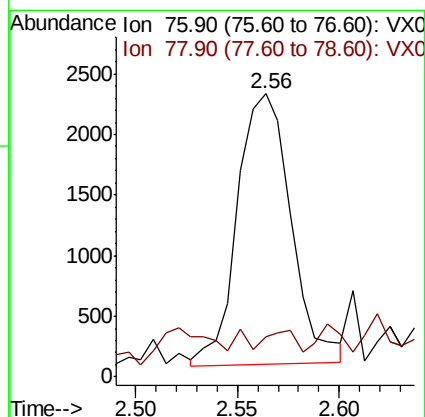
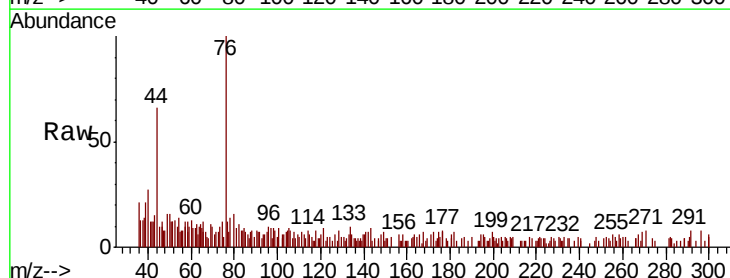
Acq: 27 Nov 2019 22:27

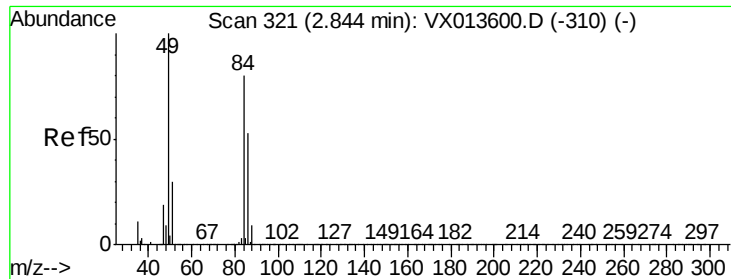
Tgt Ion: 76 Resp: 4070

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

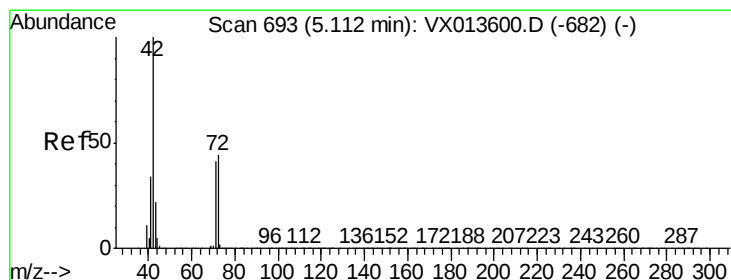
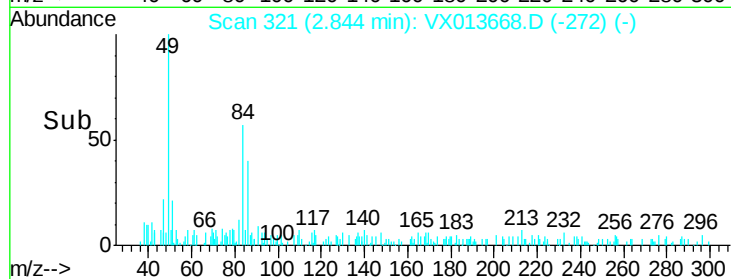
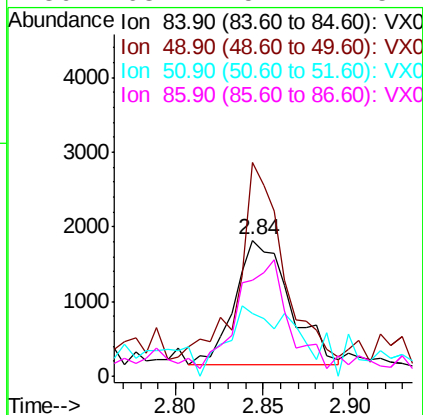
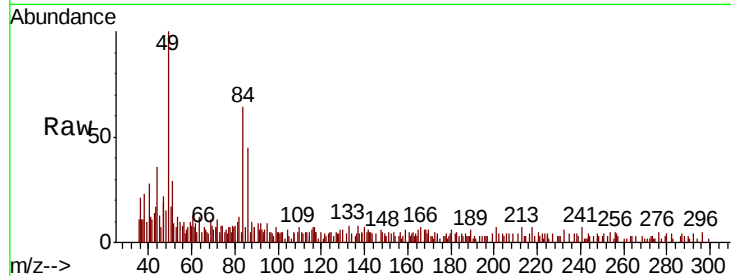




#20
Methvlene Chloride
Concen: 0.493 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013668.D
Acq: 27 Nov 2019 22:27

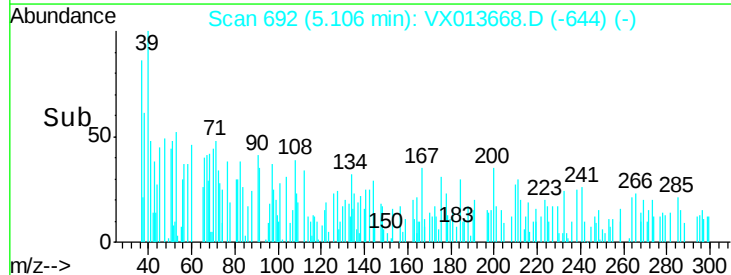
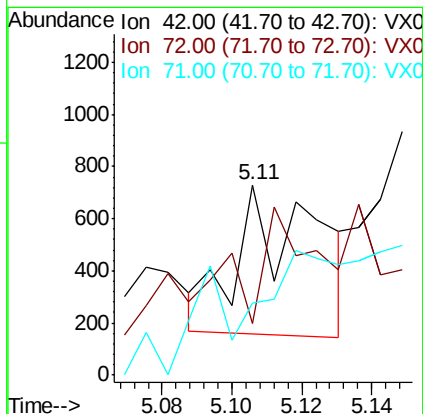
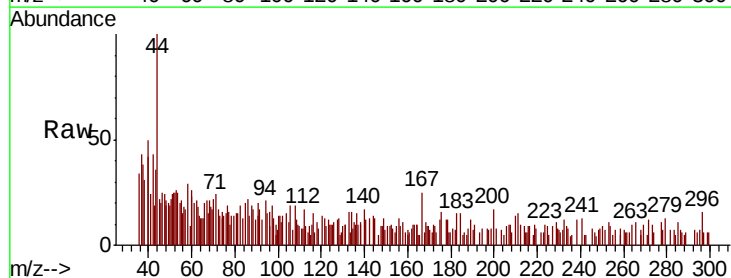
Instrument :
MSVOA_X
ClientSampleId :

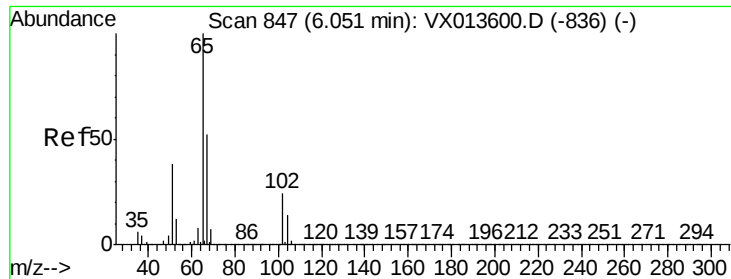
Tot Ion: 84 Resp: 3627
Ion Ratio Lower Upper
84 100
49 156.7 99.7 149.5#
51 50.4 29.9 44.9#
86 63.2 52.2 78.4



#29
Tetrahydrofuran
Concen: 0.259 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX013668.D
Acq: 27 Nov 2019 22:27

Tgt Ion: 42 Resp: 911
Ion Ratio Lower Upper
42 100
72 110.3 36.3 54.5#
71 50.3 33.2 49.8#





#33

1,2-Dichloroethane-d4

Concen: 49.364 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013668.D

Acq: 27 Nov 2019 22:27

Instrument :

MSVOA_X

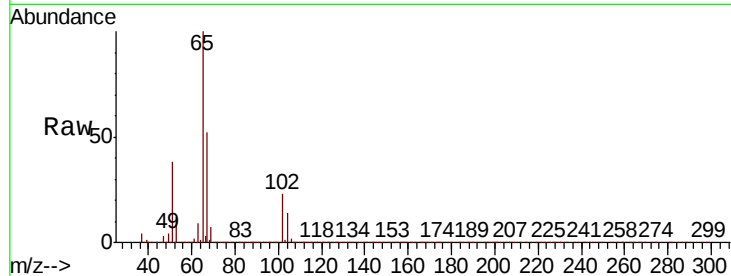
ClientSampleId :

Tot Ion: 65 Resp: 383209

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

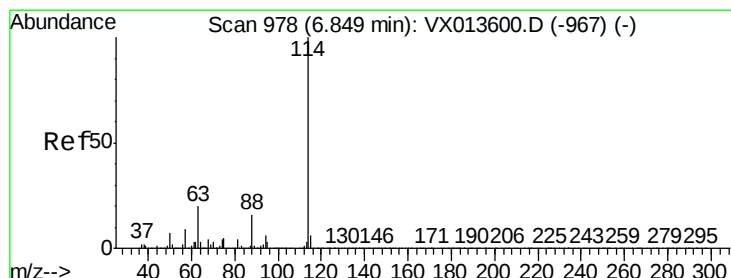
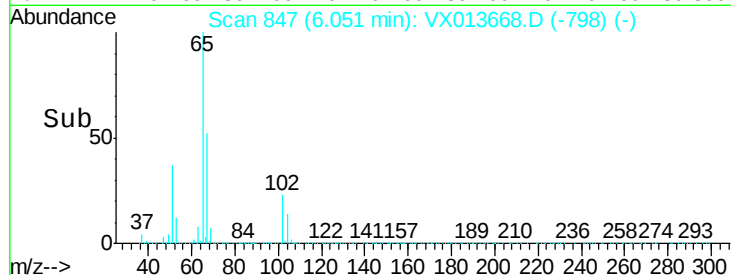
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013668.D

Acq: 27 Nov 2019 22:27

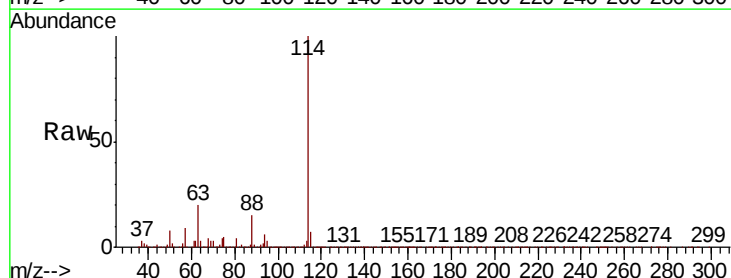
Tgt Ion: 114 Resp: 1043683

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 15.4 0.0 31.4



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

6.85

600000

500000

400000

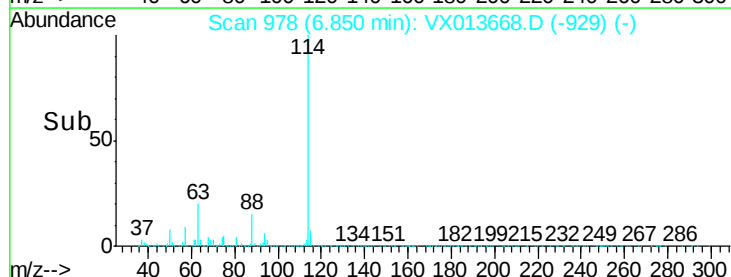
300000

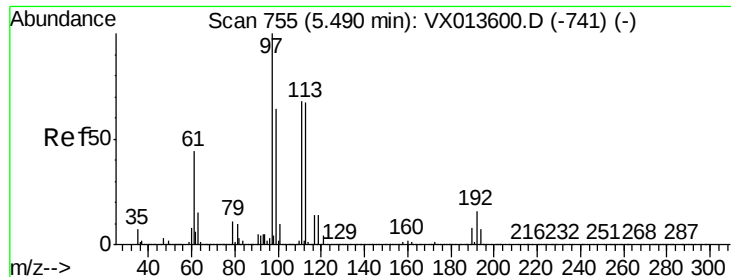
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.802 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013668.D

Acq: 27 Nov 2019 22:27

Instrument :
MSVOA_X
ClientSampleId :

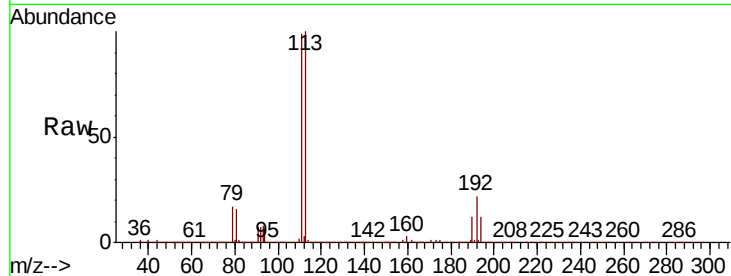
Tot Ion:113 Resp: 314880

Ion Ratio Lower Upper

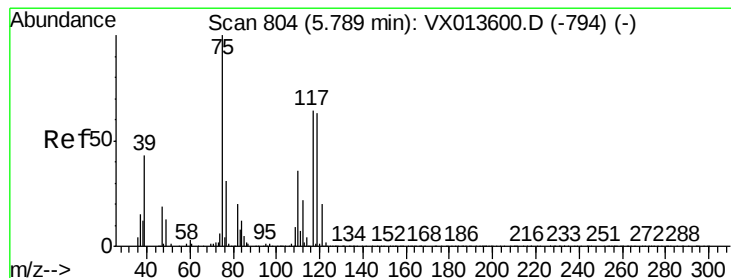
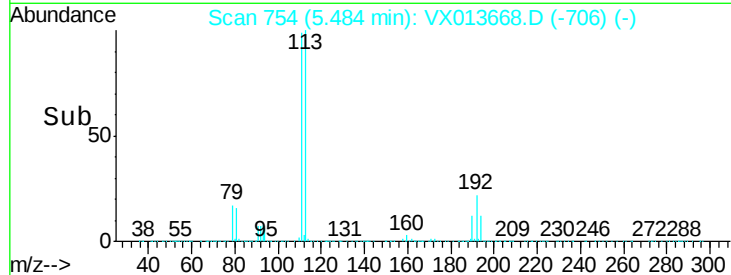
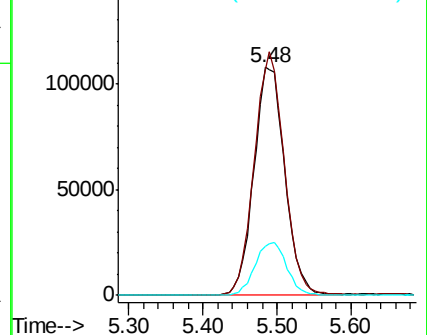
113 100

111 102.7 83.6 125.4

192 23.5 19.2 28.8



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: 4.703 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013668.D

Acq: 27 Nov 2019 22:27

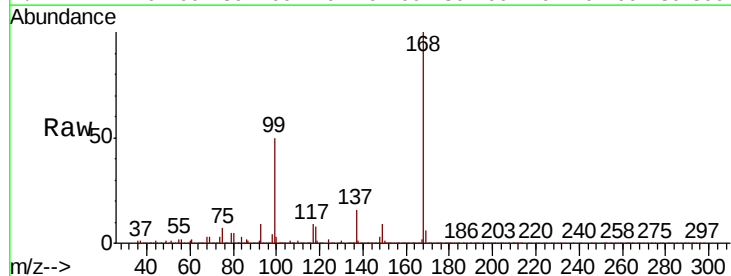
Tgt Ion: 75 Resp: 44561

Ion Ratio Lower Upper

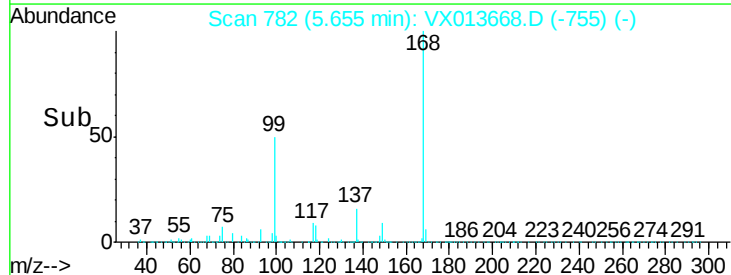
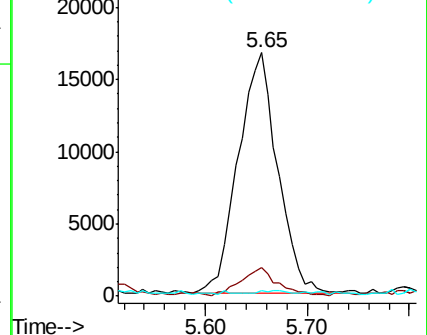
75 100

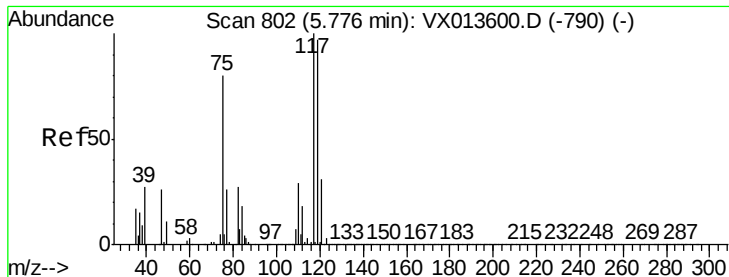
110 11.3 18.1 54.1#

77 1.7 24.5 36.7#



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: 6.744 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013668.D

Acq: 27 Nov 2019 22:27

Instrument :

MSVOA_X

ClientSampled :

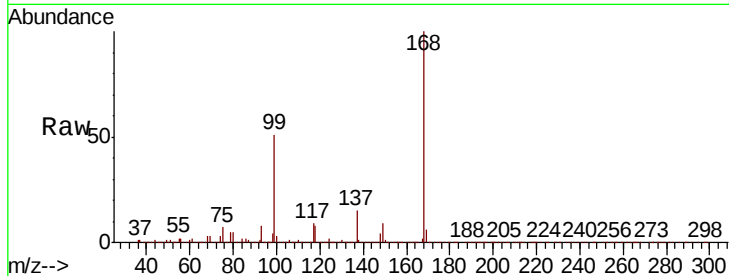
Tot Ion:117 Resp: 58917

Ion Ratio Lower Upper

117 100

119 3.4 77.5 116.3#

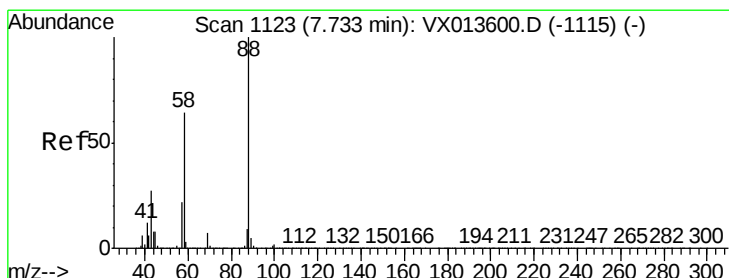
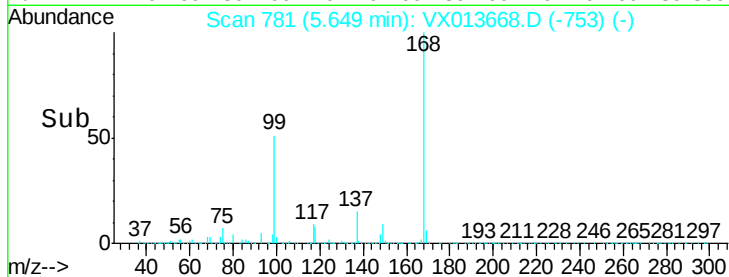
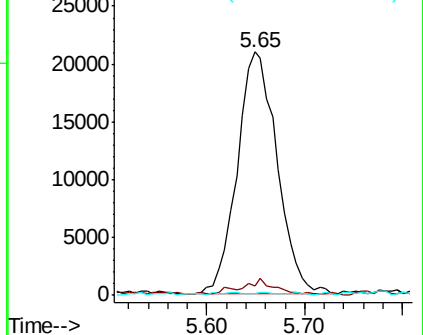
121 0.7 25.0 37.6#



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: 2.559 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX013668.D

Acq: 27 Nov 2019 22:27

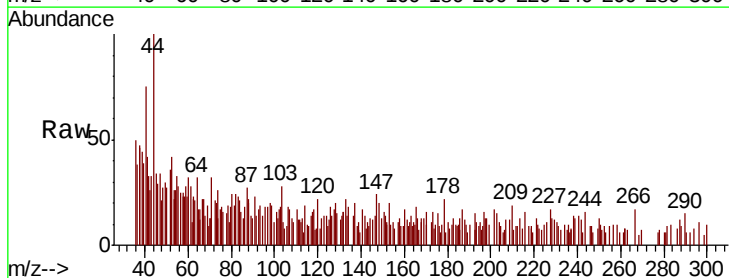
Tgt Ion: 88 Resp: 487

Ion Ratio Lower Upper

88 100

43 36.6 25.8 38.6

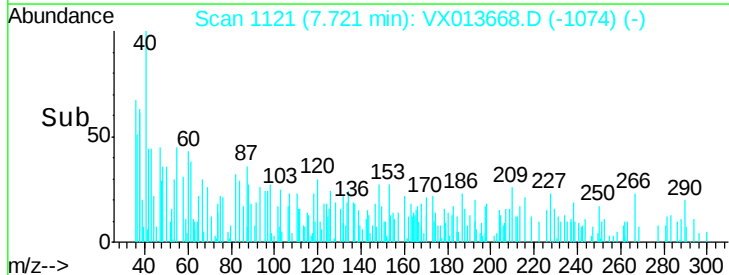
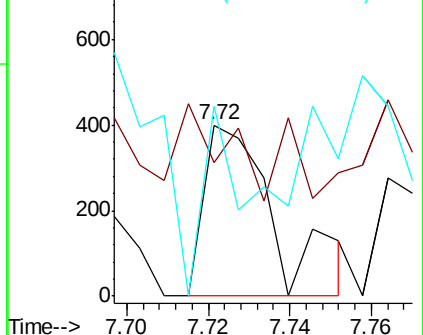
58 83.6 54.6 82.0#

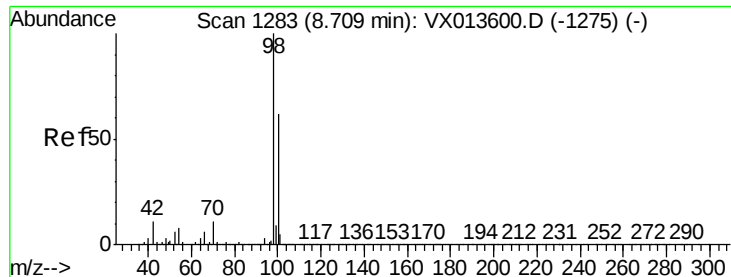


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

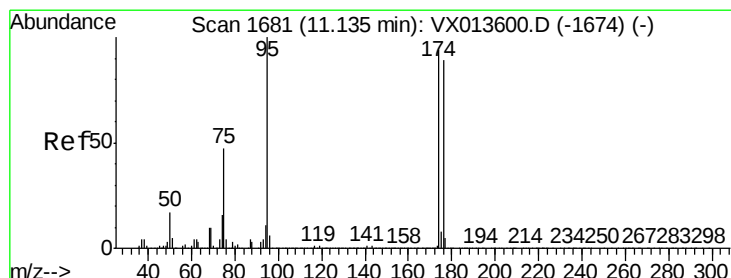
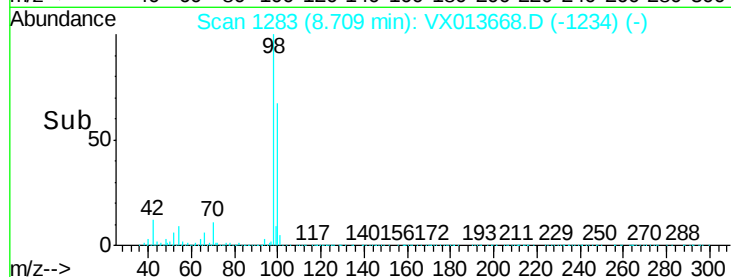
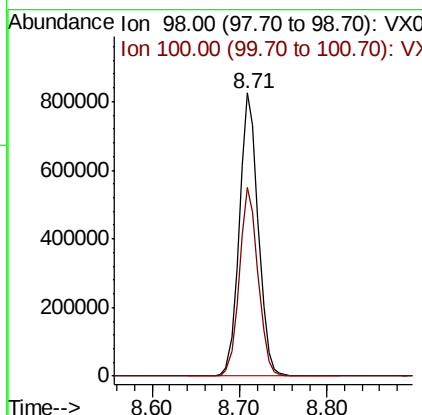
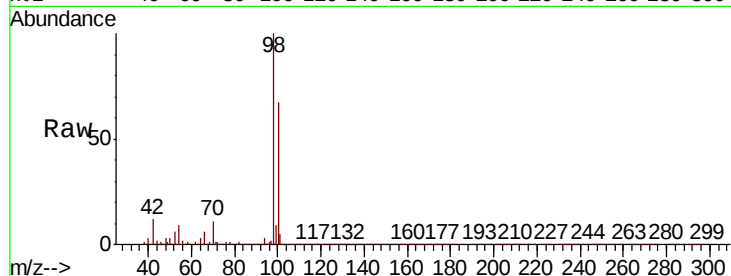




#50
Toluene-d8
Concen: 49.519 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013668.D
Acq: 27 Nov 2019 22:27

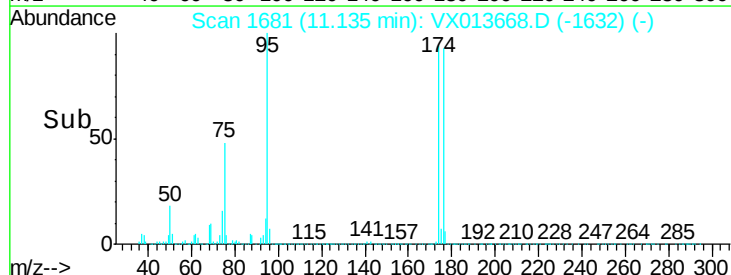
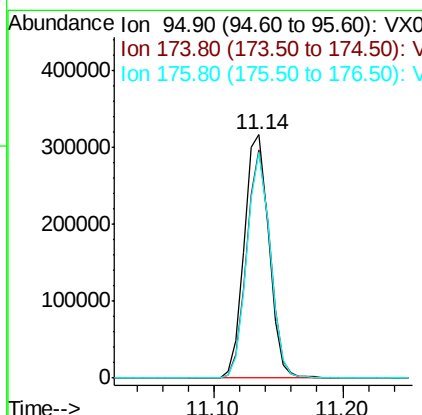
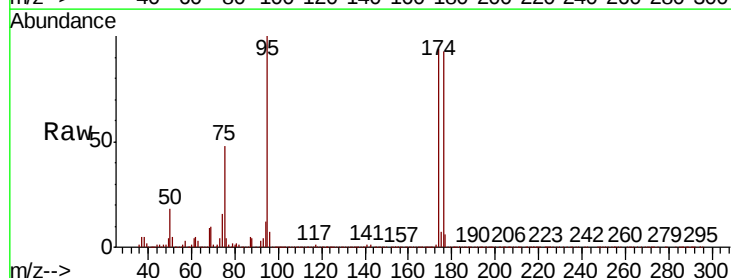
Instrument :
MSVOA_X
ClientSampleId :

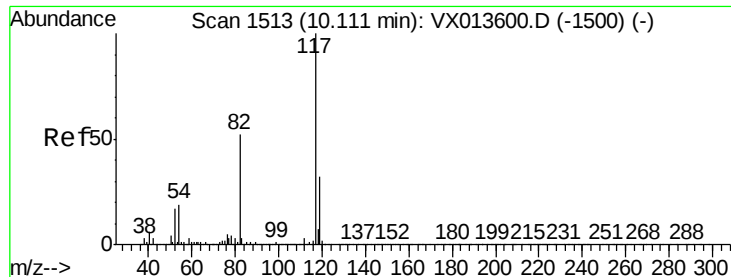
Tot Ion: 98 Resp: 1244828
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 45.942 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013668.D
Acq: 27 Nov 2019 22:27

Tgt Ion: 95 Resp: 416468
Ion Ratio Lower Upper
95 100
174 89.3 0.0 180.0
176 87.7 0.0 173.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013668.D

Acq: 27 Nov 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

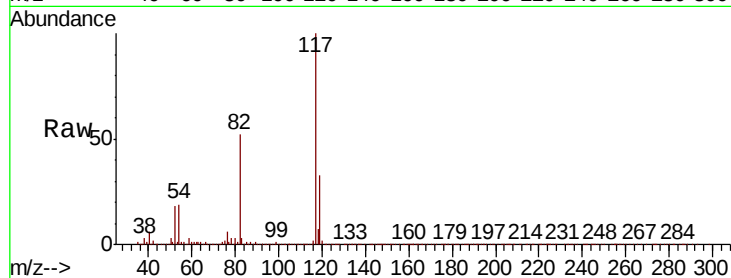
Tot Ion:117 Resp: 938906

Ion Ratio Lower Upper

117 100

82 52.4 41.8 62.8

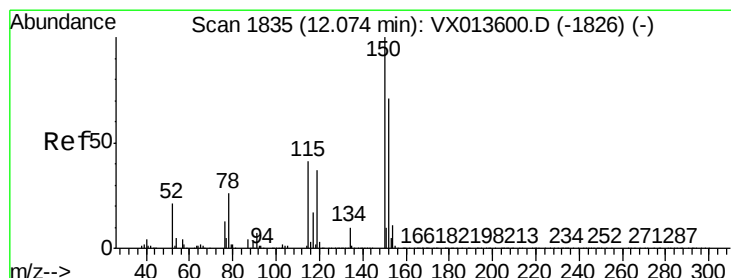
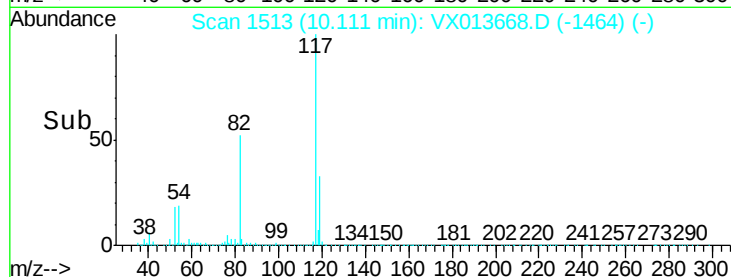
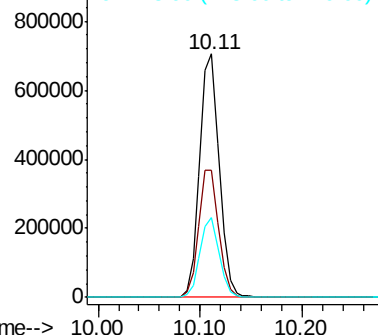
119 32.6 25.8 38.8



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013668.D

Acq: 27 Nov 2019 22:27

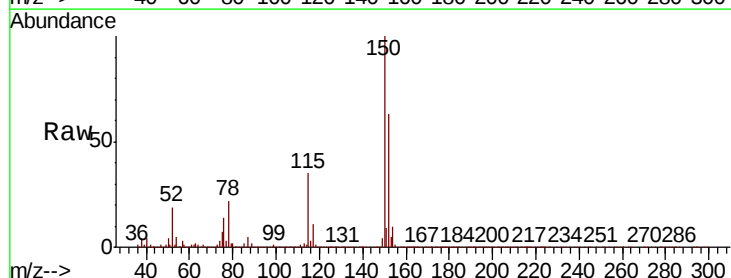
Tgt Ion:152 Resp: 421302

Ion Ratio Lower Upper

152 100

115 55.8 38.4 115.1

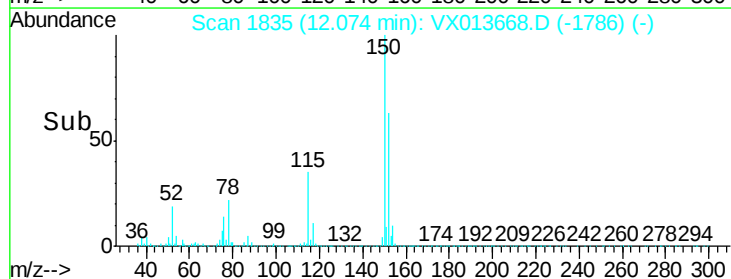
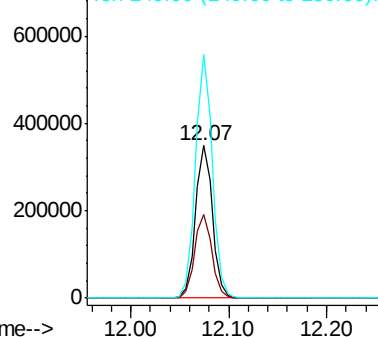
150 157.9 0.0 346.8

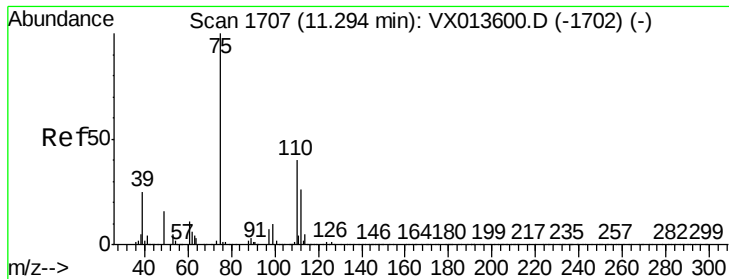


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.765 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013668.D

Acq: 27 Nov 2019 22:27

Instrument :

MSVOA_X

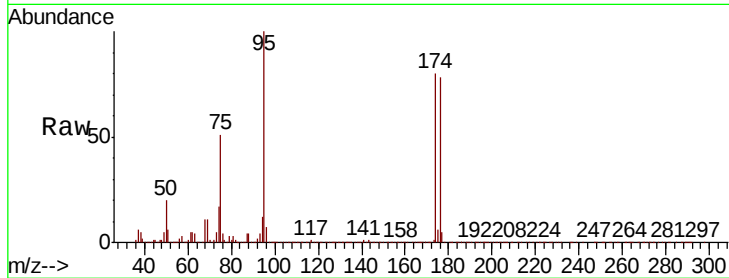
ClientSampleId :

Tot Ion: 75 Resp: 206244

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

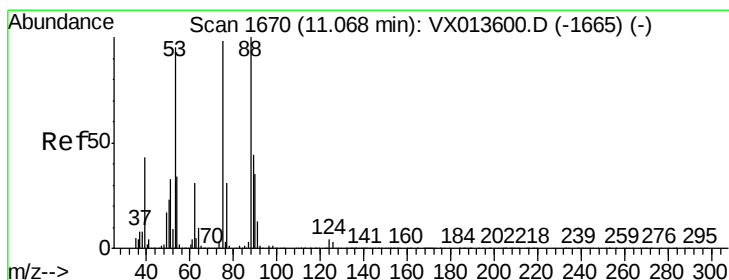
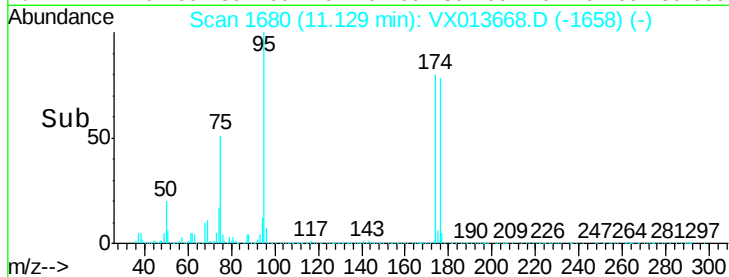
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 59.546 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013668.D

Acq: 27 Nov 2019 22:27

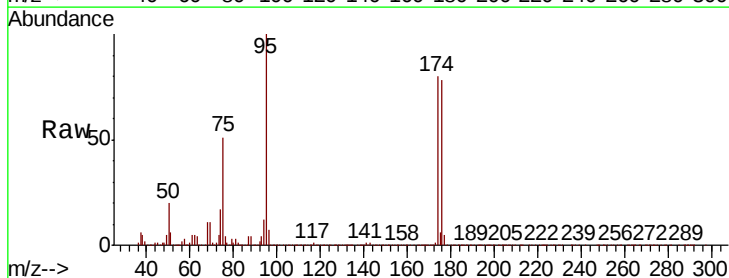
Tgt Ion: 75 Resp: 206244

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.2#

89 0.1 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.13

200000

150000

100000

50000

0

Time-->

