

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030119\
 Data File : VX007785.D
 Acq On : 01 Mar 2019 13:13
 Operator : JC/SP
 Sample : K1655-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-022719

Quant Time: Mar 01 22:17:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	333864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	518155	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	490236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	232580	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	191214	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	
35) Dibromofluoromethane	5.51	113	168299	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
50) Toluene-d8	8.71	98	635496	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	11.13	95	228010	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	

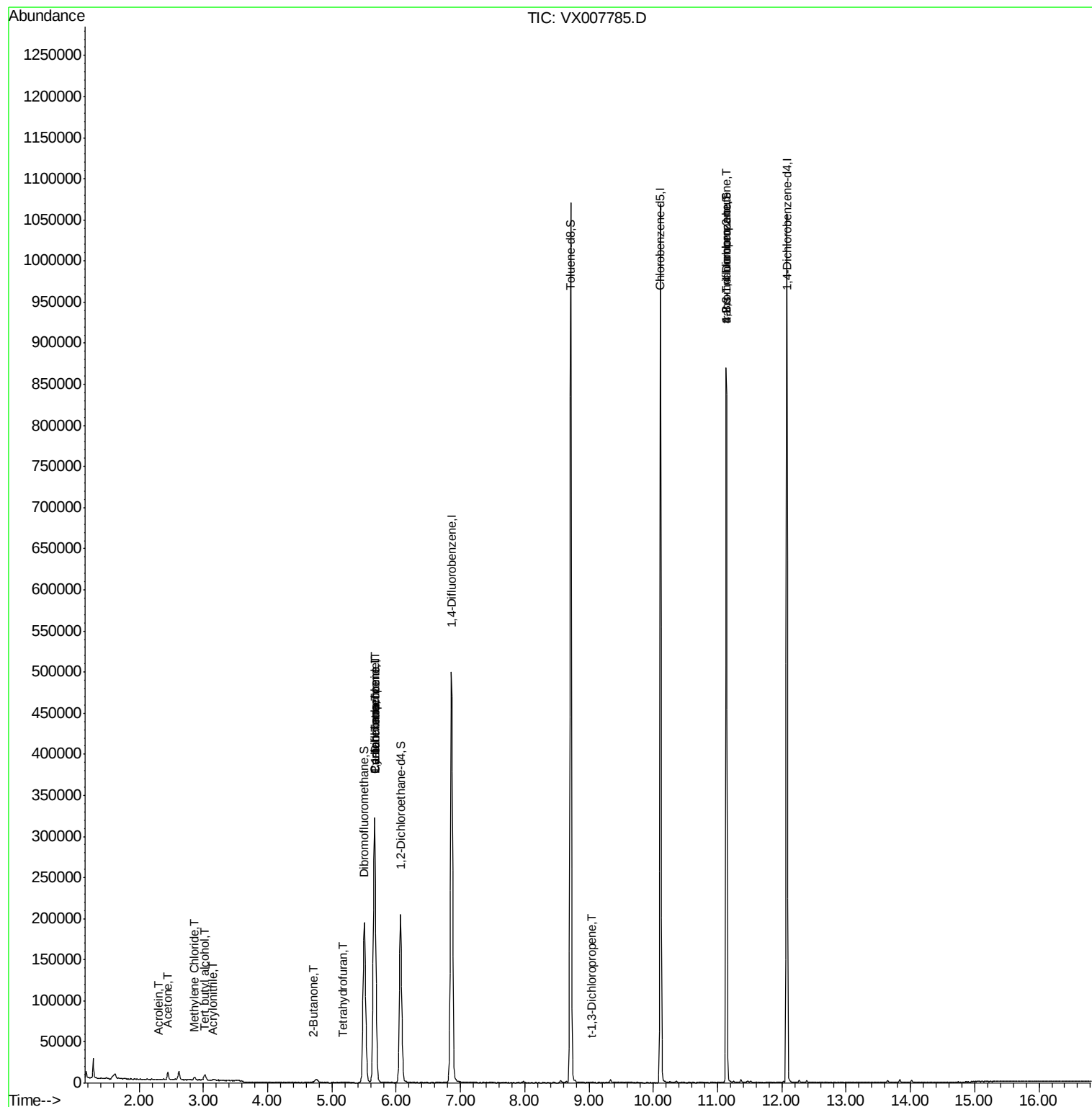
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	478	Below Cal		81
11) Tert butyl alcohol	3.03	59	4462	5.687	ug/l #	86
13) Acrolein	2.29	56	245	0.351	ug/l #	79
15) Acrylonitrile	3.14	53	561	0.304	ug/l #	84
16) Acetone	2.45	43	9438	5.132	ug/l	100
20) Methylene Chloride	2.86	84	1534	0.452	ug/l #	83
25) 2-Butanone	4.71	43	1196	0.427	ug/l #	69
29) Tetrahydrofuran	5.18	42	1045	0.566	ug/l #	31
31) Cyclohexane	5.66	56	5805	1.010	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	21786	4.677	ug/l #	47
38) Carbon Tetrachloride	5.67	117	28654	6.123	ug/l #	18
53) t-1,3-Dichloropropene	9.04	75	154	2.829	ug/l #	60
76) 1,2,3-Trichloropropane	11.13	75	107845	21.754	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	107845	57.795	ug/l #	9

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

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Quant Time: Mar 01 22:17:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 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: VX007785.D

Acq: 01 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

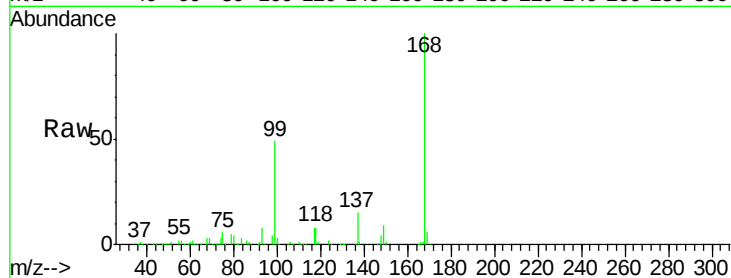
FB-022719

Tot Ion:168 Resp: 333864

Ion Ratio Lower Upper

168 100

99 48.6 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

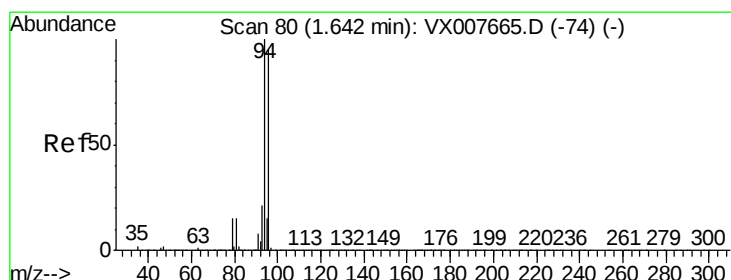
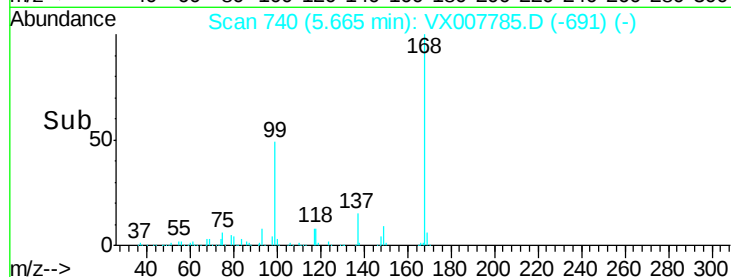
5.67

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007785.D

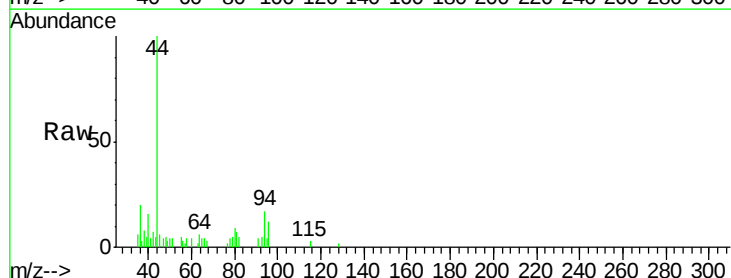
Acq: 01 Mar 2019 13:13

Tgt Ion: 94 Resp: 478

Ion Ratio Lower Upper

94 100

96 74.5 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

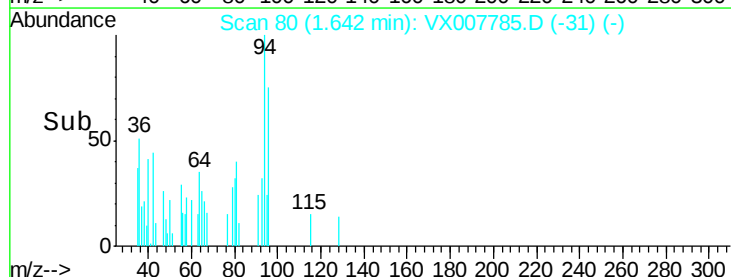
300

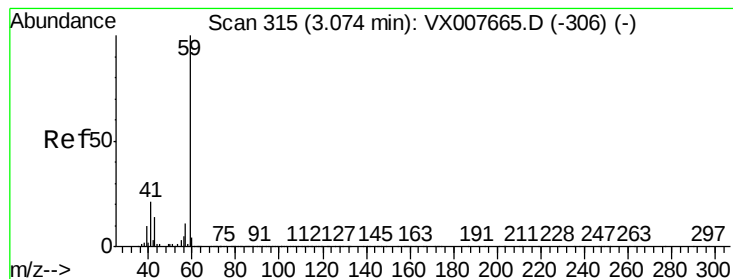
200

100

0

Time-->



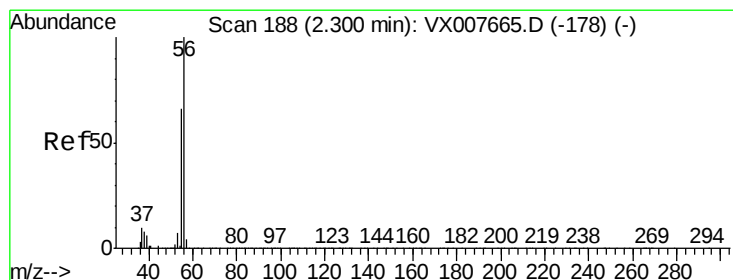
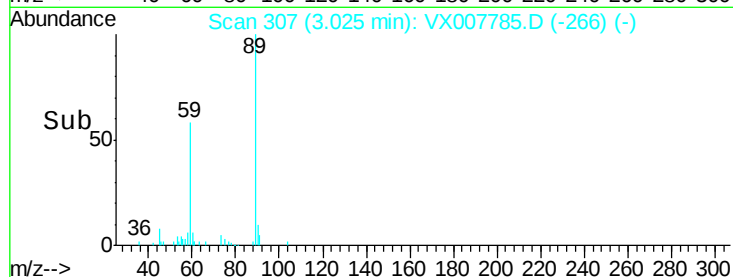
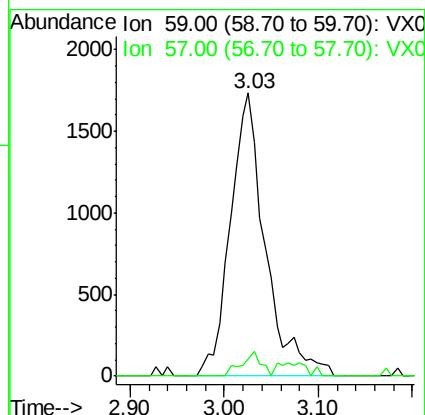
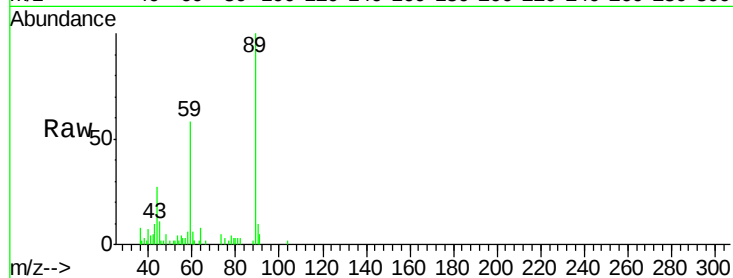


#11

Tert butyl alcohol
Concen: 5.687 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX007785.D
Acq: 01 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
FB-022719

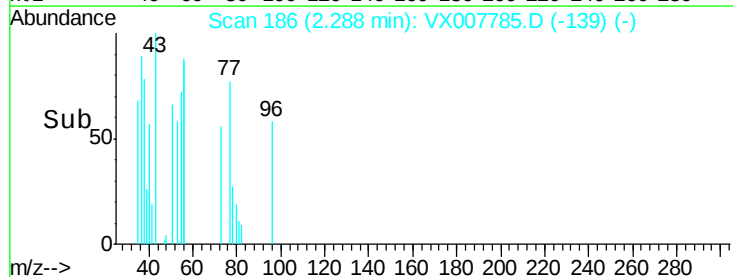
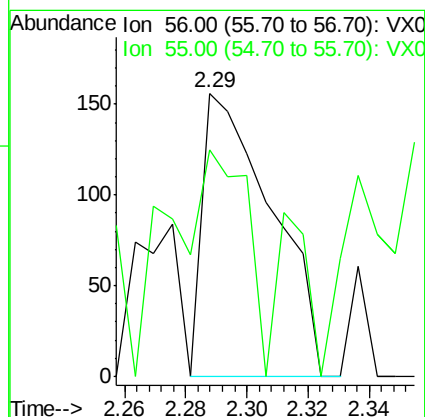
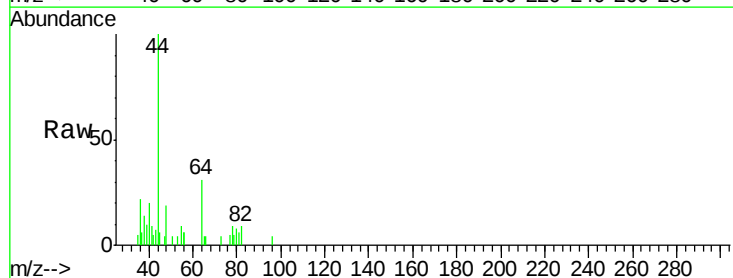
Tot Ion: 59 Resp: 4462
Ion Ratio Lower Upper
59 100
57 4.7 8.1 12.1#

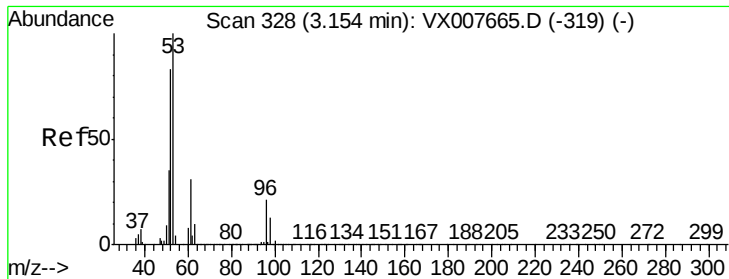


#13

Acrolein
Concen: 0.351 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX007785.D
Acq: 01 Mar 2019 13:13

Tgt Ion: 56 Resp: 245
Ion Ratio Lower Upper
56 100
55 88.6 56.9 85.3#





#15

Acrylonitrile

Concen: 0.304 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX007785.D

Acq: 01 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampled :

FB-022719

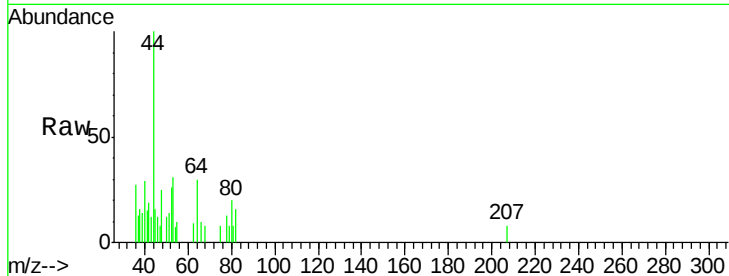
Tot Ion: 53 Resp: 561

Ion Ratio Lower Upper

53 100

52 101.2 66.4 99.6#

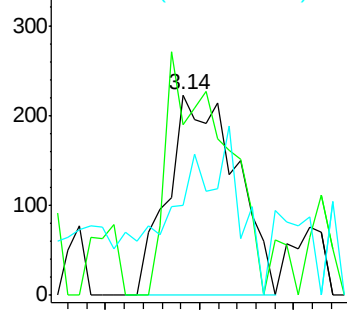
51 31.4 28.4 42.6



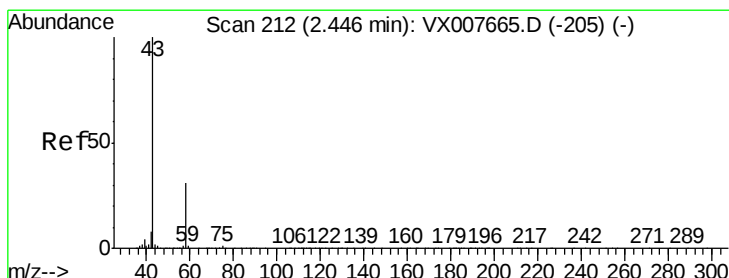
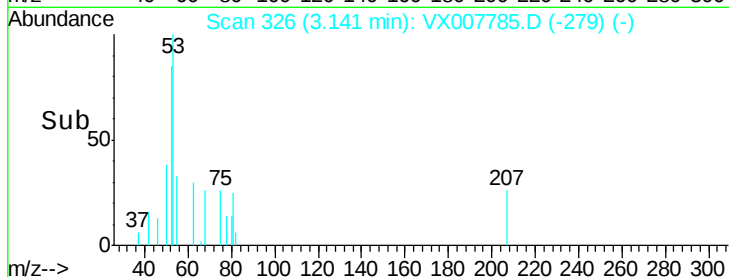
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->



#16

Acetone

Concen: 5.132 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007785.D

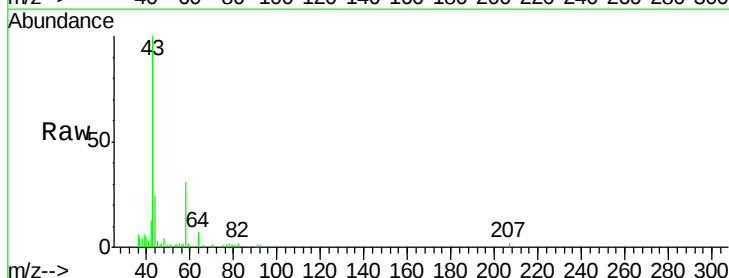
Acq: 01 Mar 2019 13:13

Tgt Ion: 43 Resp: 9438

Ion Ratio Lower Upper

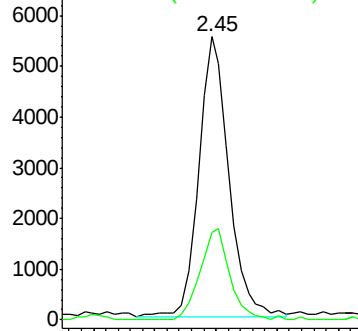
43 100

58 31.1 24.9 37.3

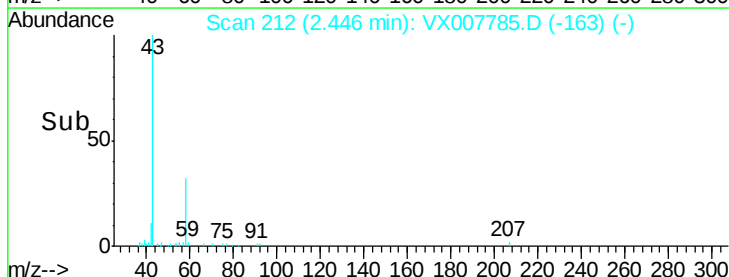


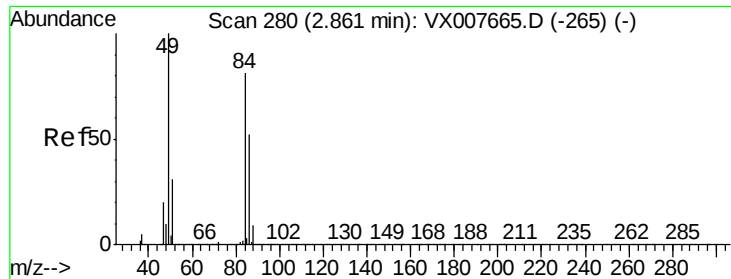
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#20

Methvlene Chloride

Concen: 0.452 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX007785.D

Acq: 01 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

FB-022719

Tot Ion: 84 Resp: 1534

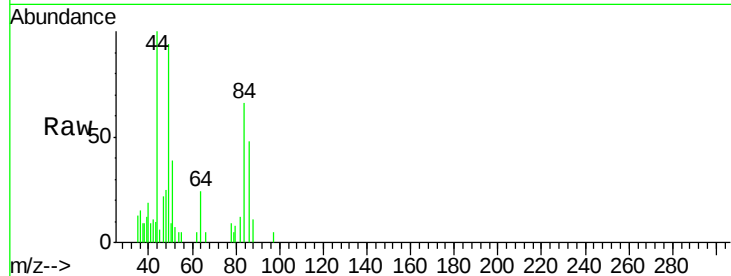
Ion Ratio Lower Upper

84 100

49 141.7 94.8 142.2

51 52.0 29.8 44.8#

86 72.1 54.1 81.1

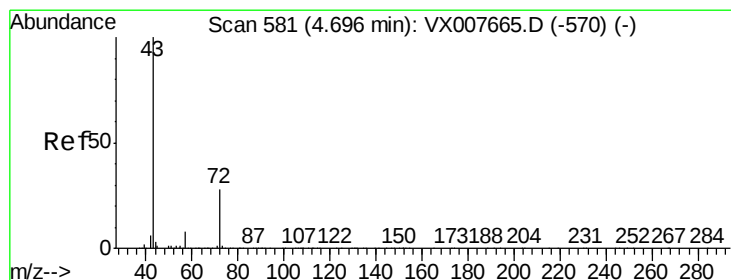
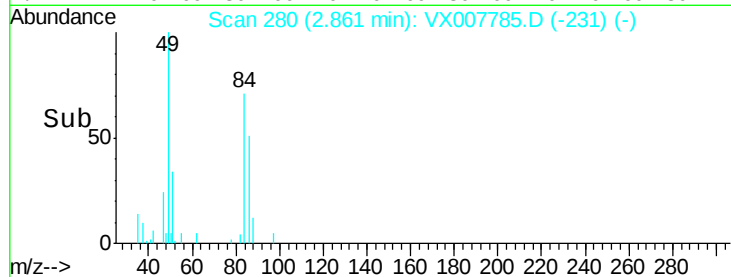
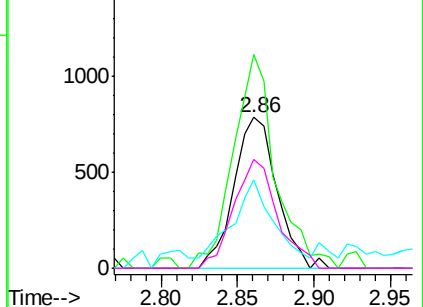


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.427 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX007785.D

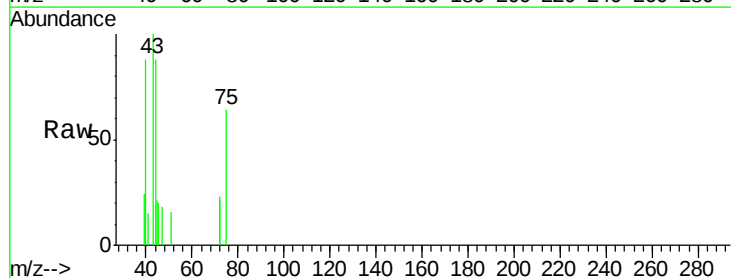
Acq: 01 Mar 2019 13:13

Tgt Ion: 43 Resp: 1196

Ion Ratio Lower Upper

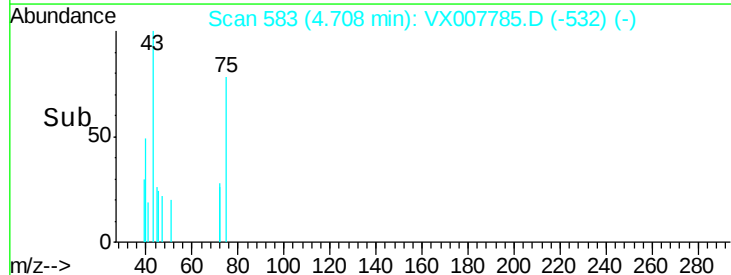
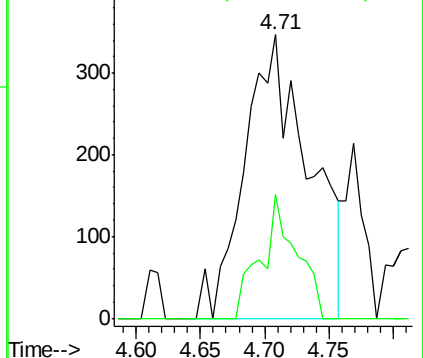
43 100

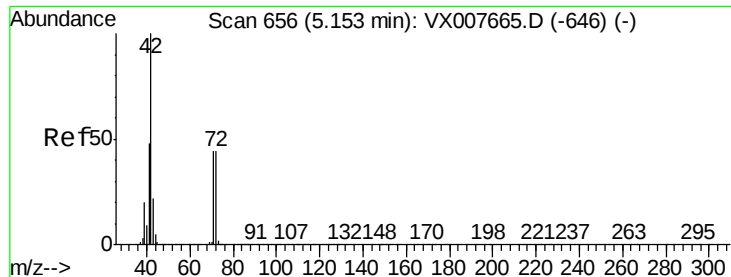
72 43.8 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.566 ug/l

RT: 5.18 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX007785.D

Acq: 01 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

FB-022719

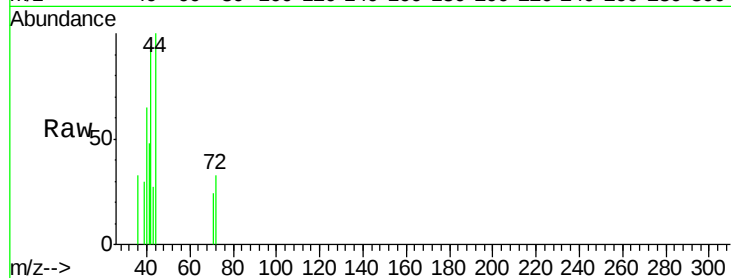
Tot Ion: 42 Resp: 1045

Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

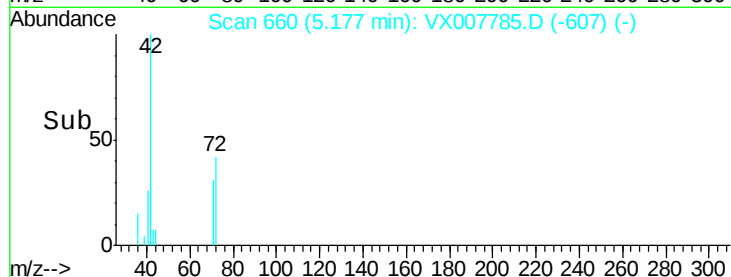
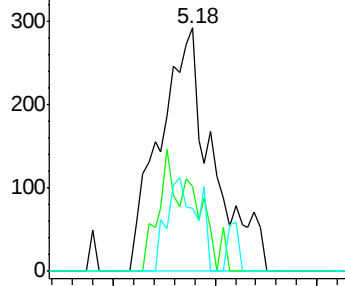
71 0.0 34.6 51.8#



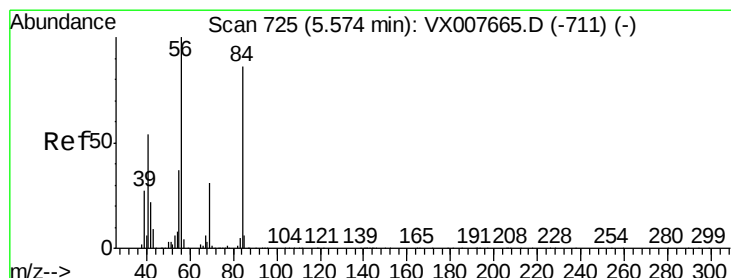
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#31

Cyclohexane

Concen: 1.010 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX007785.D

Acq: 01 Mar 2019 13:13

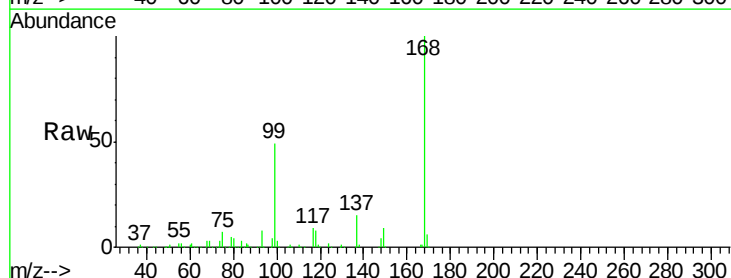
Tgt Ion: 56 Resp: 5805

Ion Ratio Lower Upper

56 100

69 174.8 23.0 34.6#

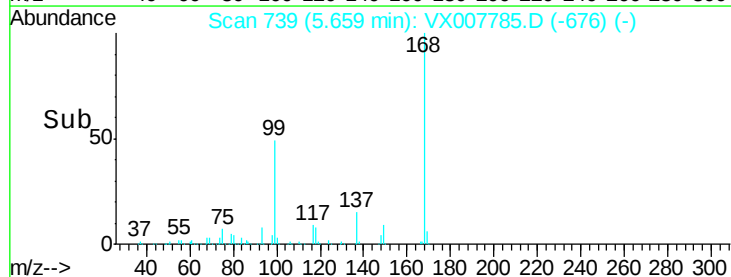
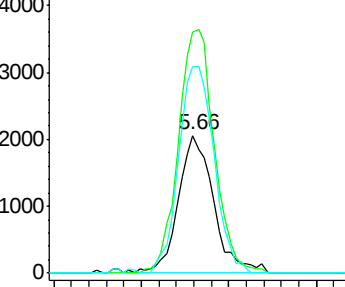
84 150.0 69.8 104.6#



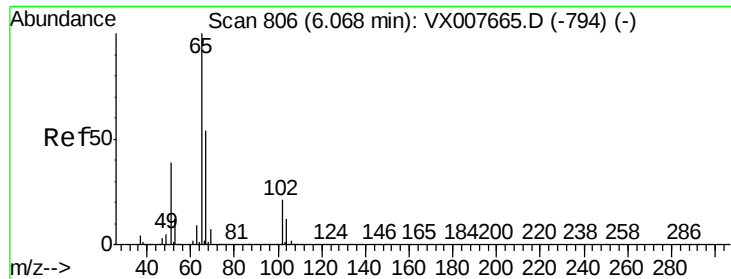
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



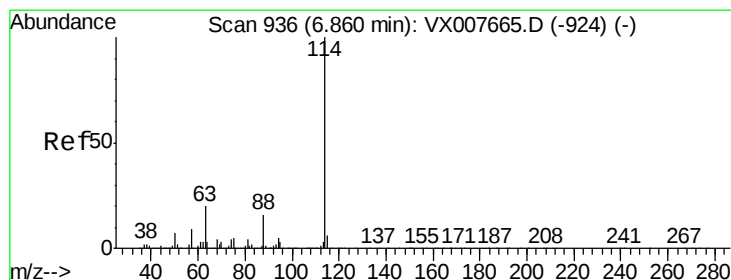
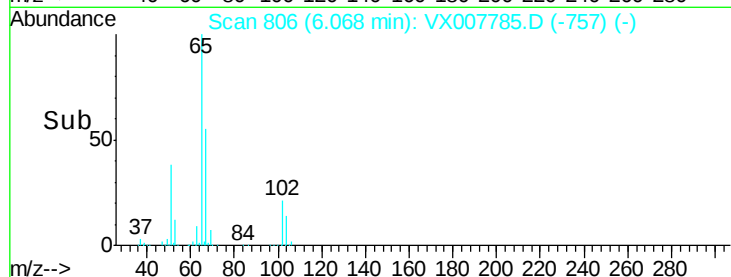
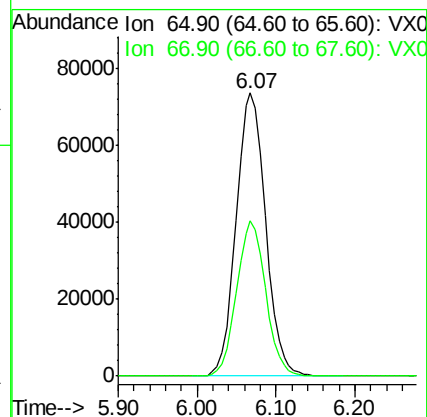
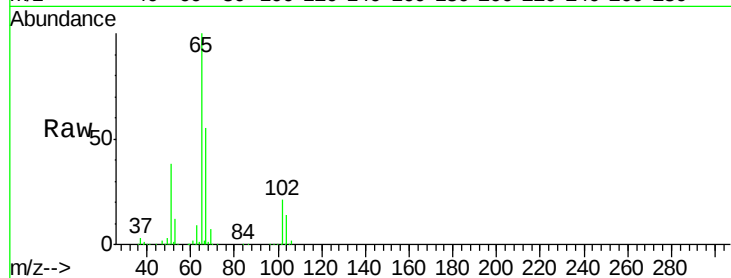
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 46.237 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007785.D
 Acq: 01 Mar 2019 13:13

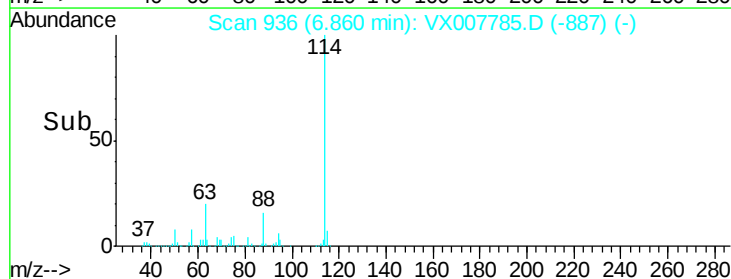
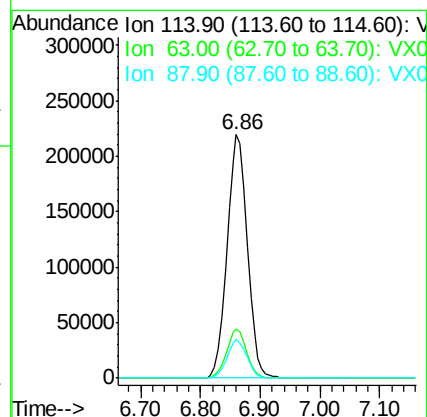
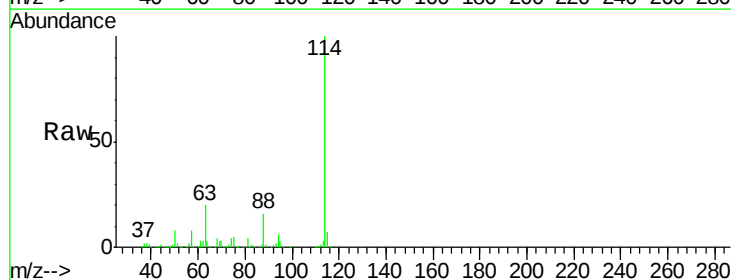
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-022719

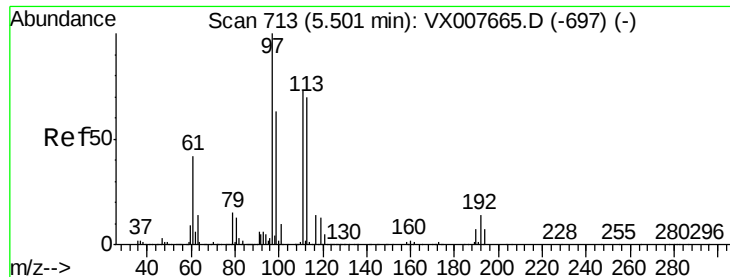
Tot Ion: 65 Resp: 191214
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007785.D
 Acq: 01 Mar 2019 13:13

Tgt Ion: 114 Resp: 518155
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 35.6
 88 16.1 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.589 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007785.D

Acq: 01 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

FB-022719

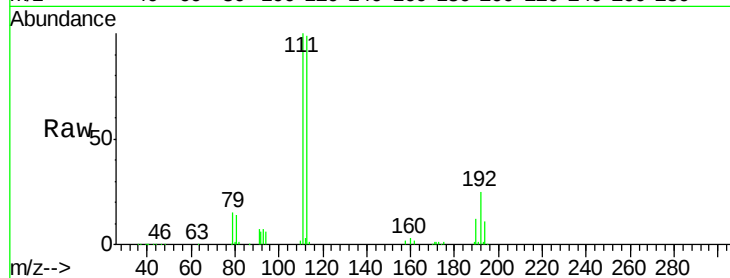
Tot Ion:113 Resp: 168299

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.8

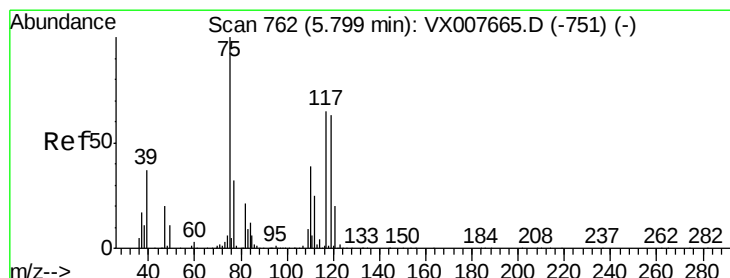
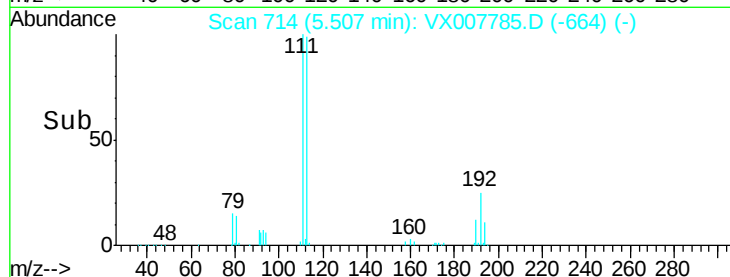
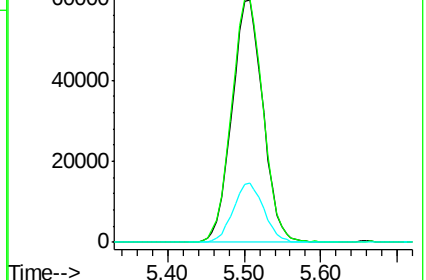
192 24.2 18.5 27.7



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: 4.677 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007785.D

Acq: 01 Mar 2019 13:13

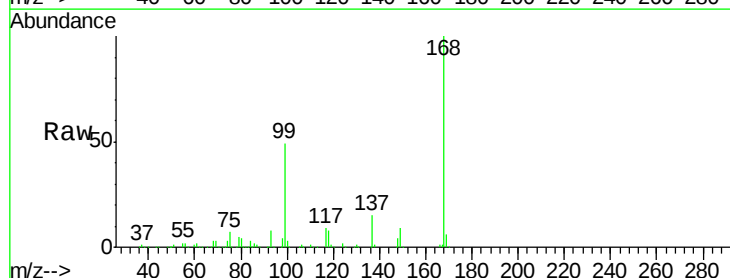
Tgt Ion: 75 Resp: 21786

Ion Ratio Lower Upper

75 100

110 9.2 20.0 59.9#

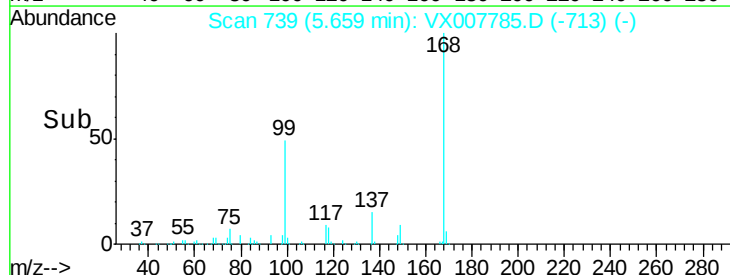
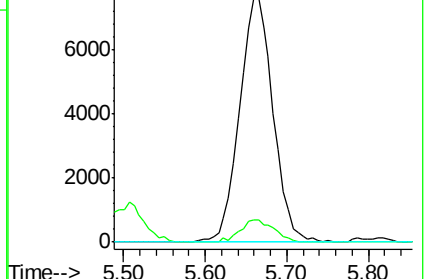
77 0.0 24.7 37.1#

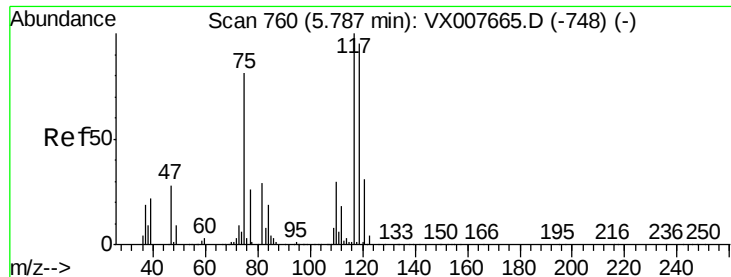


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.123 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007785.D

Acq: 01 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampled :

FB-022719

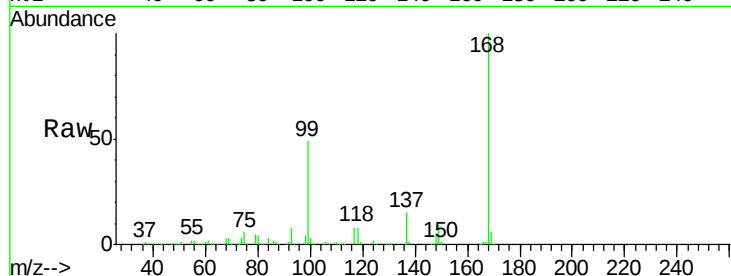
Tot Ion:117 Resp: 28654

Ion Ratio Lower Upper

117 100

119 6.3 75.3 112.9#

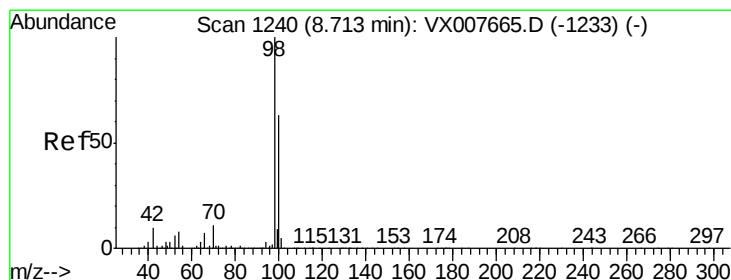
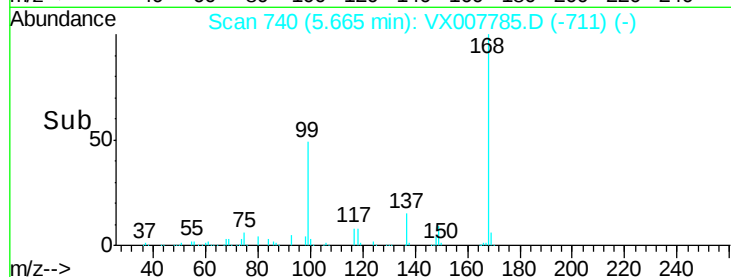
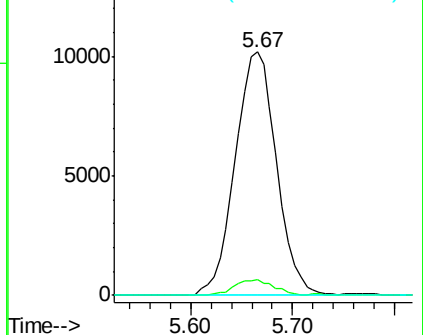
121 0.0 25.0 37.4#



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



#50

Toluene-d8

Concen: 47.924 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007785.D

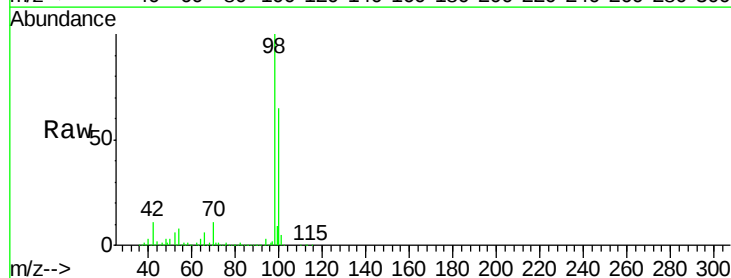
Acq: 01 Mar 2019 13:13

Tgt Ion: 98 Resp: 635496

Ion Ratio Lower Upper

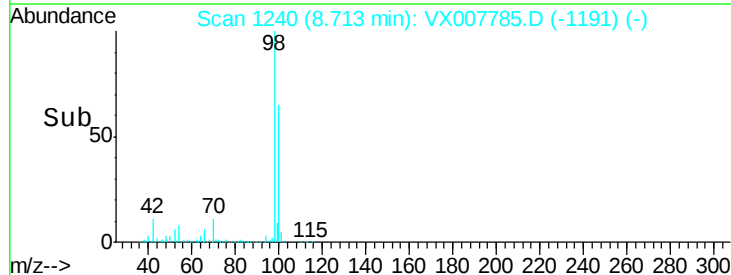
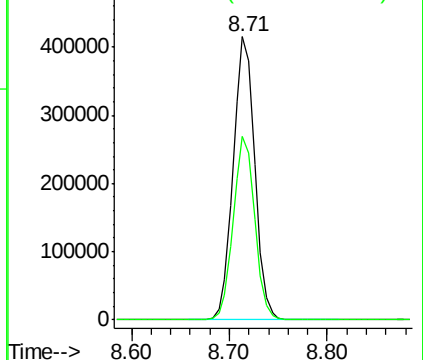
98 100

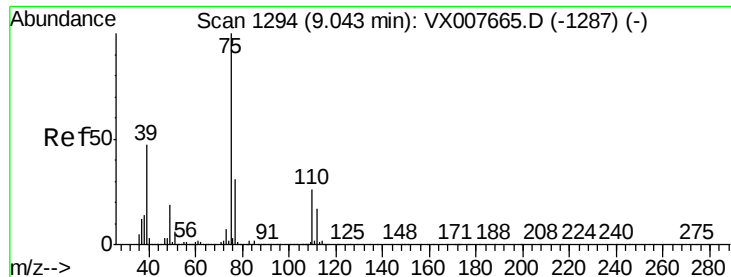
100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#53

t-1,3-Dichloropropene

Concen: 2.829 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007785.D

Acq: 01 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampled :

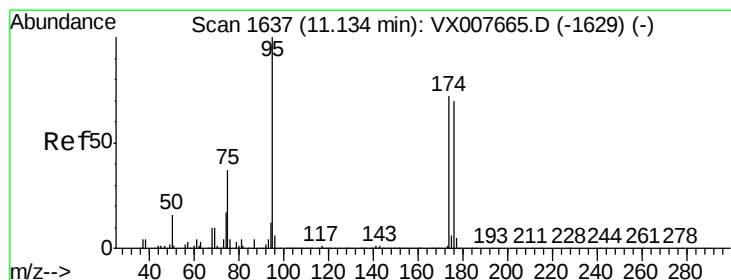
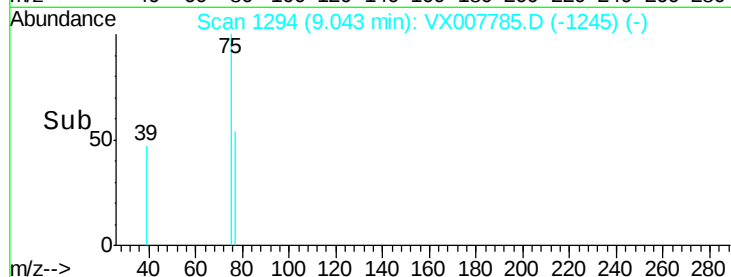
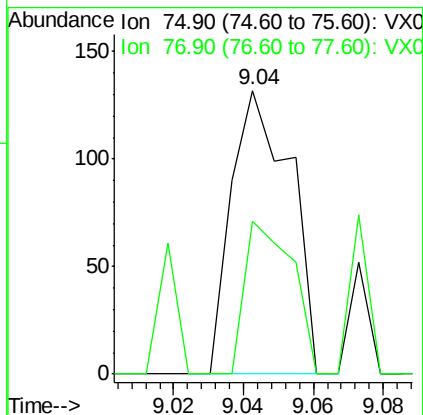
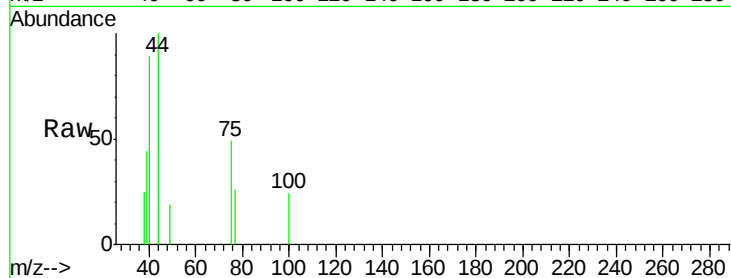
FB-022719

Tot Ion: 75 Resp: 154

Ion Ratio Lower Upper

75 100

77 53.8 25.2 37.8#



#62

4-Bromofluorobenzene

Concen: 46.848 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007785.D

Acq: 01 Mar 2019 13:13

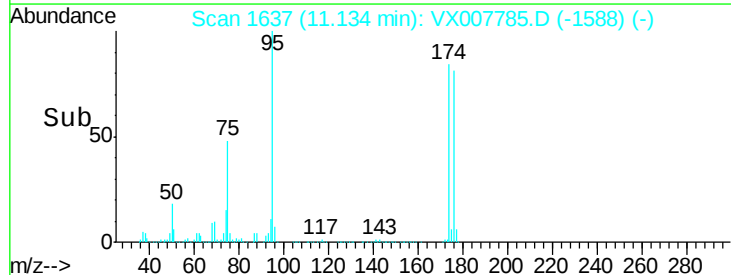
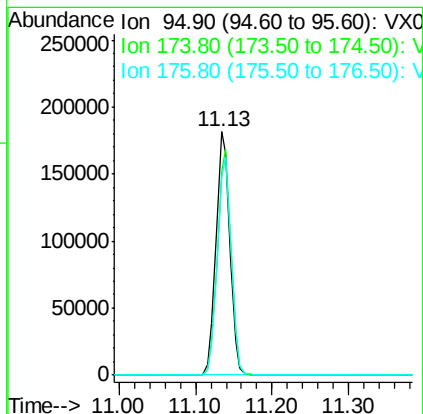
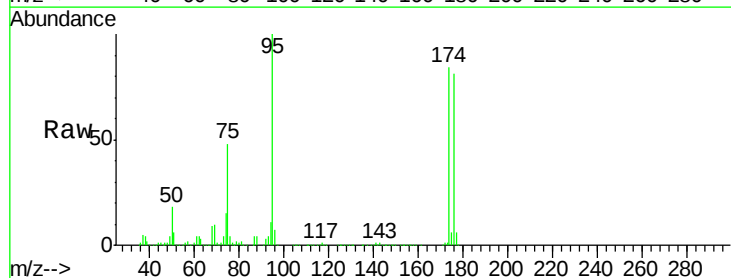
Tgt Ion: 95 Resp: 228010

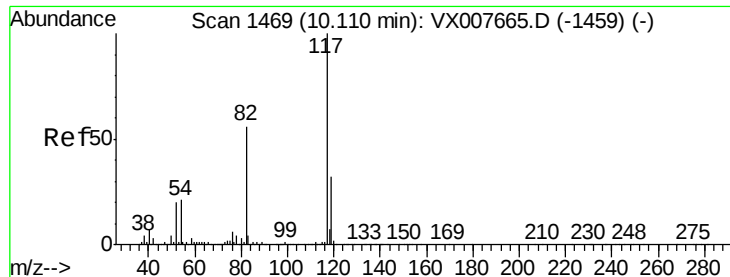
Ion Ratio Lower Upper

95 100

174 92.4 0.0 189.2

176 89.2 0.0 186.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007785.D

Acq: 01 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

FB-022719

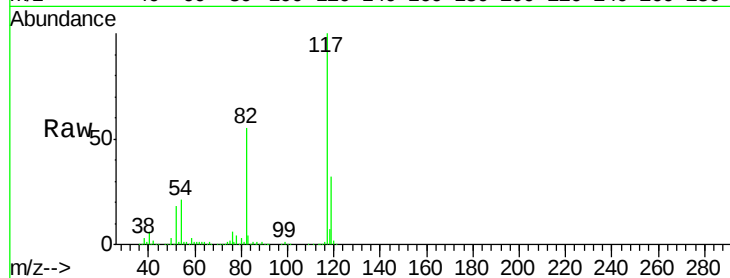
Tot Ion:117 Resp: 490236

Ion Ratio Lower Upper

117 100

82 54.8 42.1 63.1

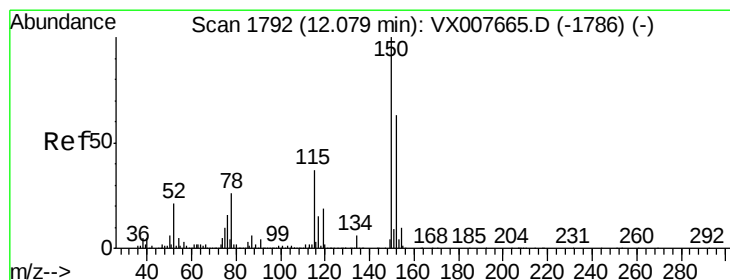
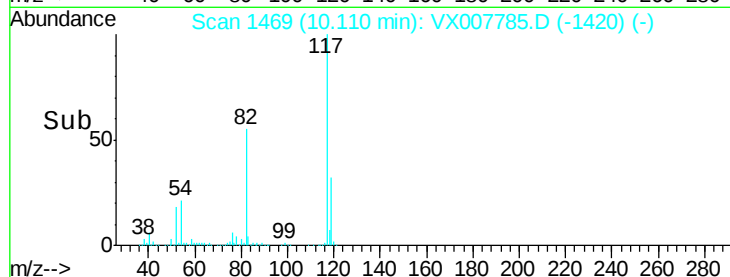
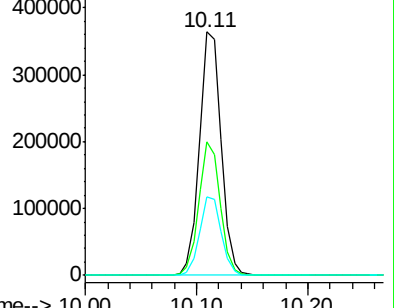
119 32.3 26.5 39.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007785.D

Acq: 01 Mar 2019 13:13

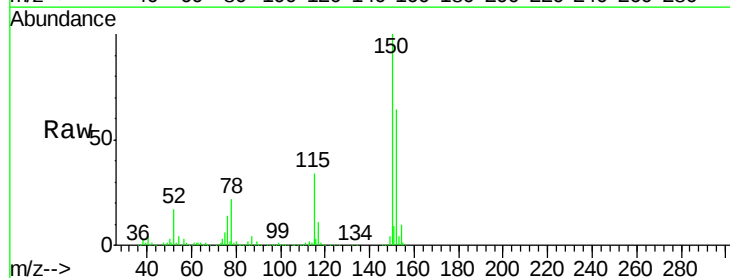
Tgt Ion:152 Resp: 232580

Ion Ratio Lower Upper

152 100

115 54.9 38.0 114.0

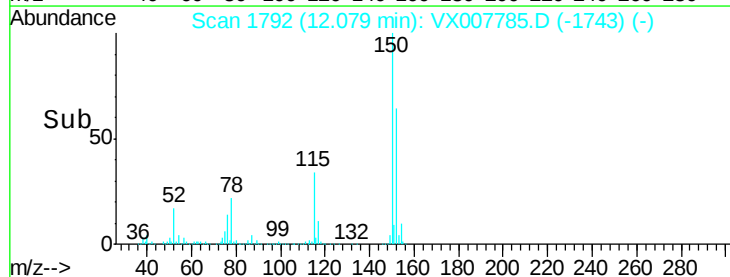
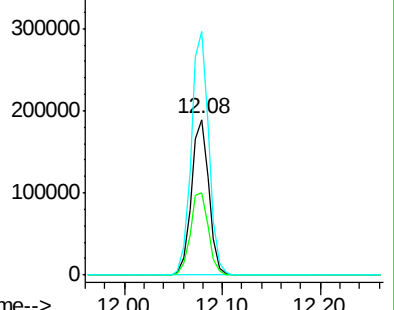
150 156.6 0.0 346.4

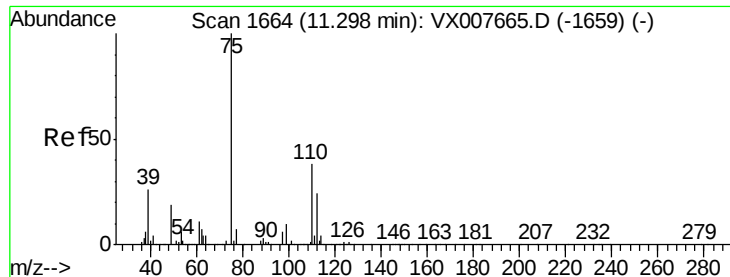


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.754 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007785.D

Acq: 01 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

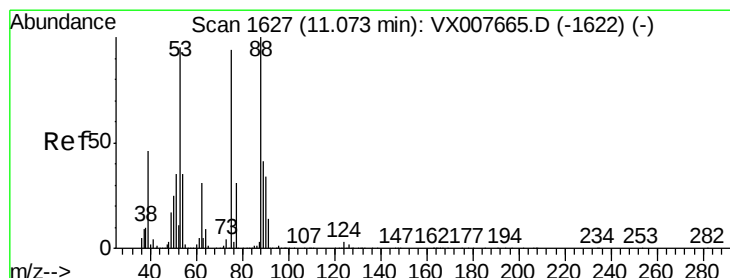
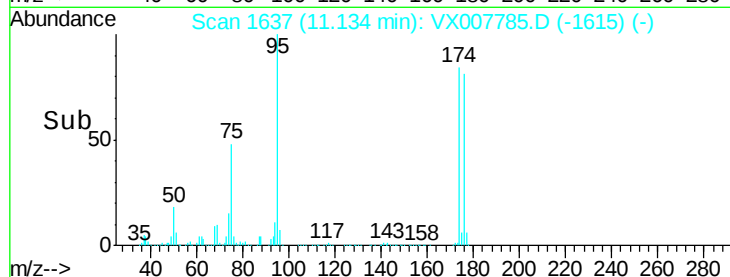
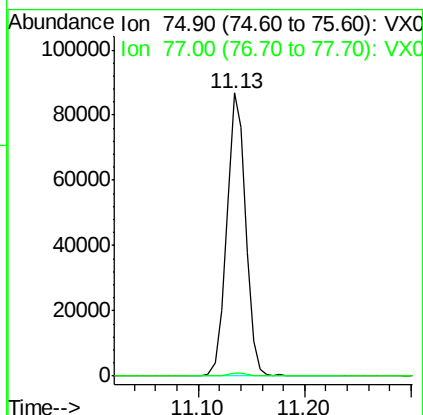
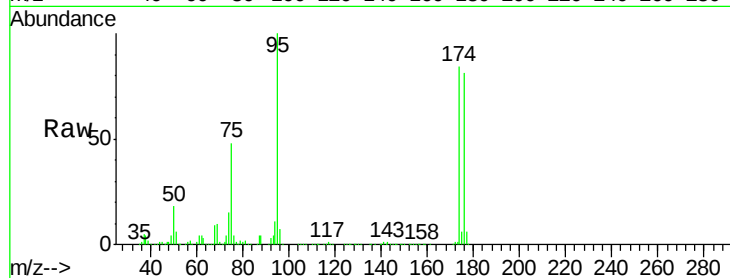
FB-022719

Tot Ion: 75 Resp: 107845

Ion Ratio Lower Upper

75 100

77 1.3 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.795 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007785.D

Acq: 01 Mar 2019 13:13

Tgt Ion: 75 Resp: 107845

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 41.4 62.0#

