

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX030719\
 Data File : VX007887.D
 Acq On : 07 Mar 2019 16:44
 Operator : JC/SP
 Sample : K1783-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SW-4

Quant Time: Mar 08 04:43:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

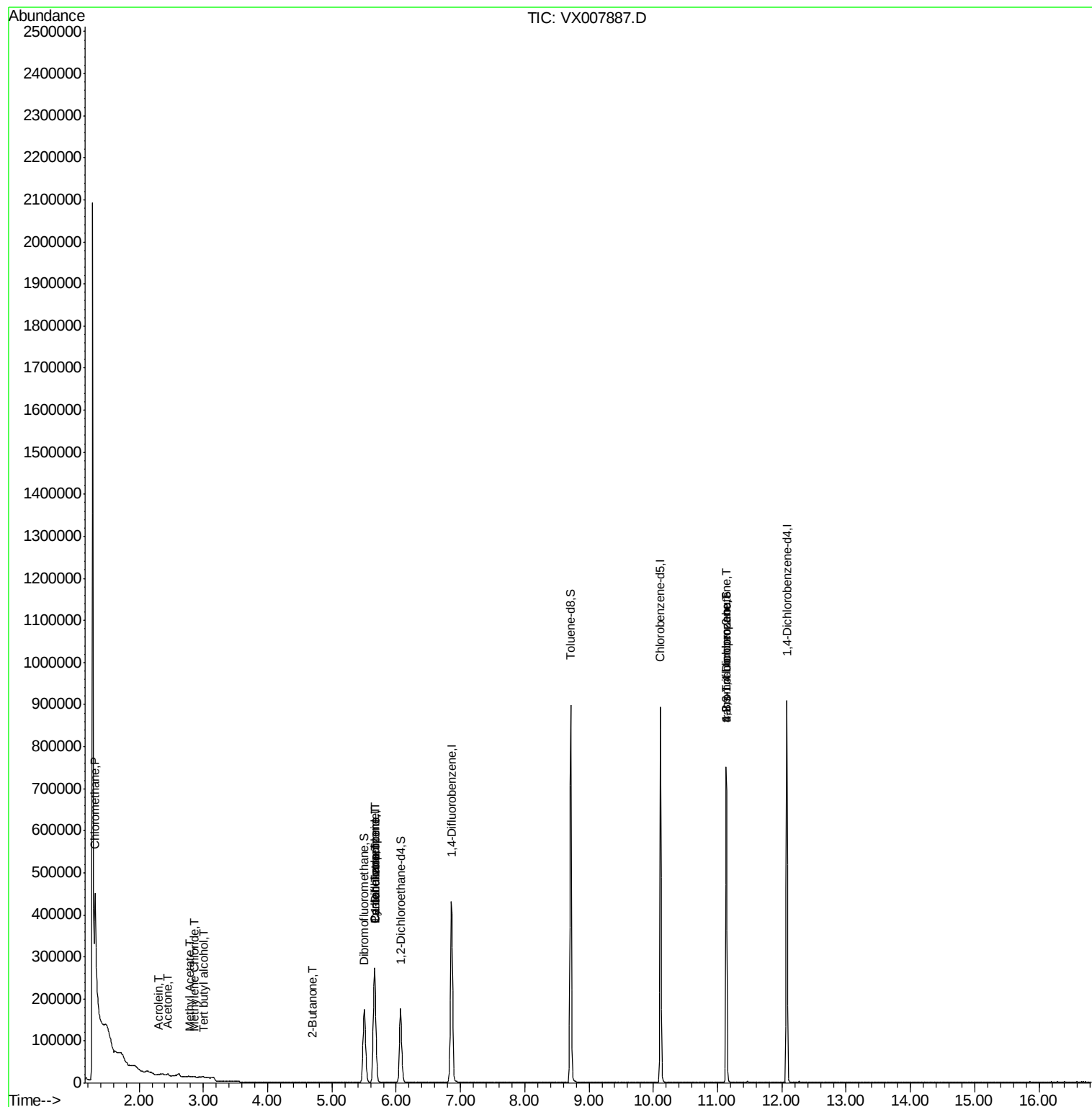
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	287424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	448204	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	425964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203697	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	158265	52.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.40%	
35) Dibromofluoromethane	5.50	113	149939	52.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.60%	
50) Toluene-d8	8.71	98	540207	51.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	11.13	95	198247	53.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.40%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	14642	4.627 ug/l #		44
5) Bromomethane	1.62	94	21	Below Cal #		2
11) Tert butyl alcohol	3.01	59	389	0.574 ug/l #		73
13) Acrolein	2.29	56	42	1.650 ug/l #		13
16) Acetone	2.45	43	5241	2.986 ug/l		95
17) Carbon Disulfide	2.57	76	929	Below Cal #		81
18) Methyl Acetate	2.78	43	1050	0.282 ug/l		96
20) Methylene Chloride	2.86	84	1055	0.378 ug/l		92
25) 2-Butanone	4.70	43	508	0.204 ug/l #		50
31) Cyclohexane	5.66	56	4552	0.977 ug/l #		1
36) 1,1-Dichloropropene	5.66	75	17959	4.425 ug/l #		48
38) Carbon Tetrachloride	5.67	117	24356	6.321 ug/l #		17
76) 1,2,3-Trichloropropane	11.13	75	91331	21.367 ug/l #		39
81) trans-1,4-Dichloro-2-buten	11.13	75	91331	68.299 ug/l #		11

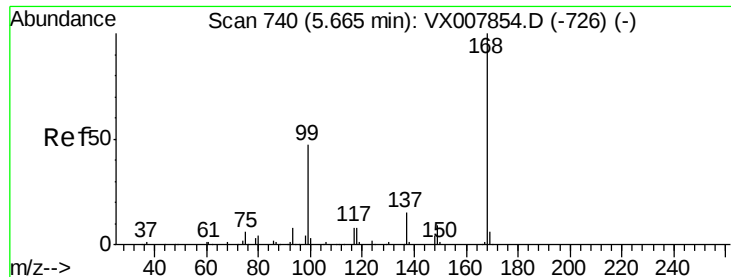
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX030719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007887.D

Acq: 07 Mar 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

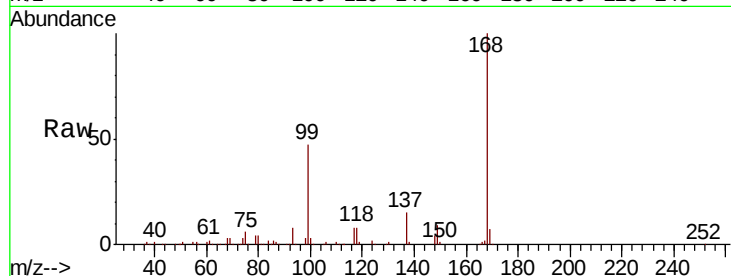
SW-4

Tgt Ion:168 Resp: 287424

Ion Ratio Lower Upper

168 100

99 46.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

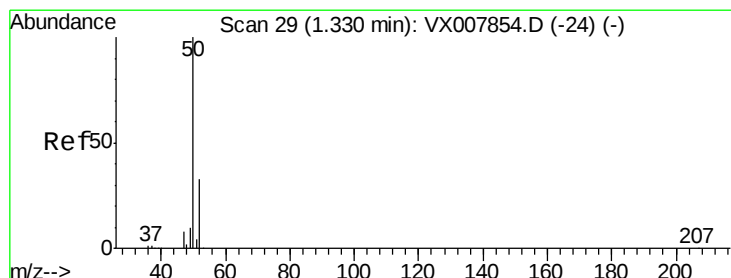
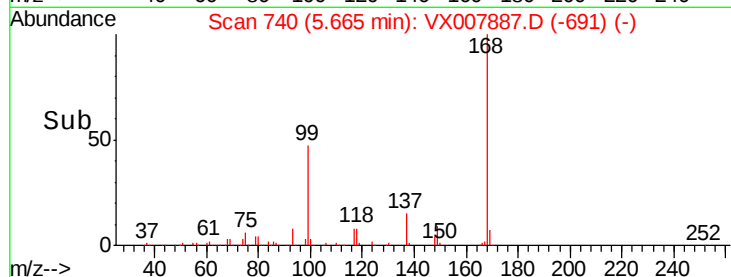
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 4.627 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.01 min

Lab File: VX007887.D

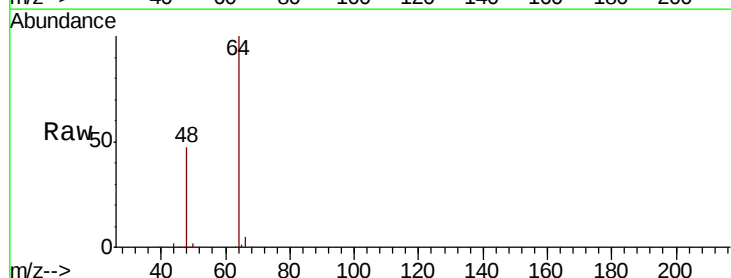
Acq: 07 Mar 2019 16:44

Tgt Ion: 50 Resp: 14642

Ion Ratio Lower Upper

50 100

52 1.6 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

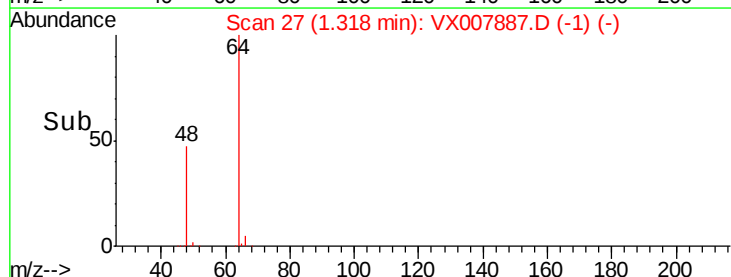
30000

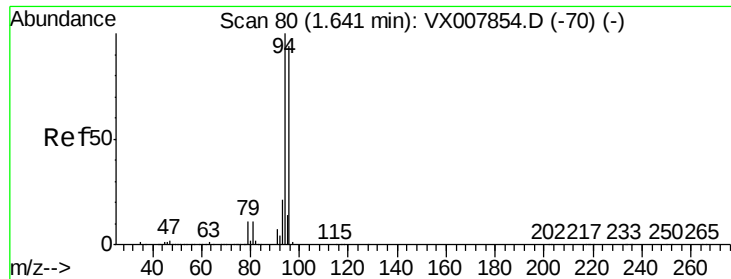
20000

10000

0

Time--> 1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 76

Delta R.T. -0.02 min

Lab File: VX007887.D

Acq: 07 Mar 2019 16:44

Instrument :

MSVOA_X

ClientSampled :

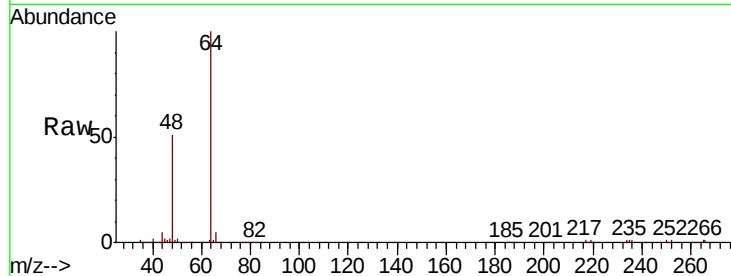
SW-4

Tgt Ion: 94 Resp: 21

Ion Ratio Lower Upper

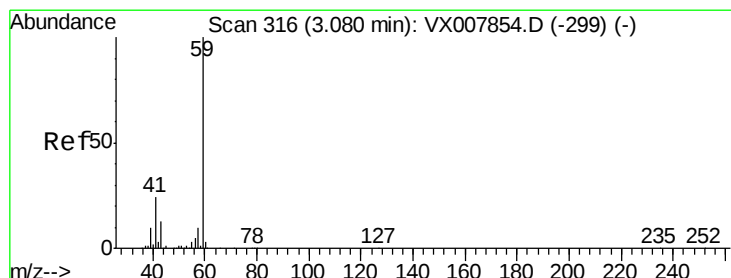
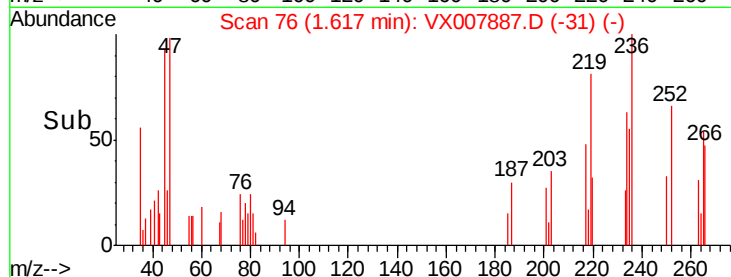
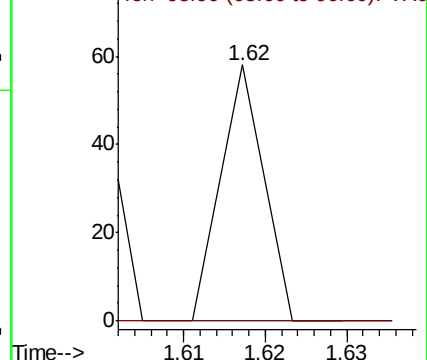
94 100

96 0.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 0.574 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.07 min

Lab File: VX007887.D

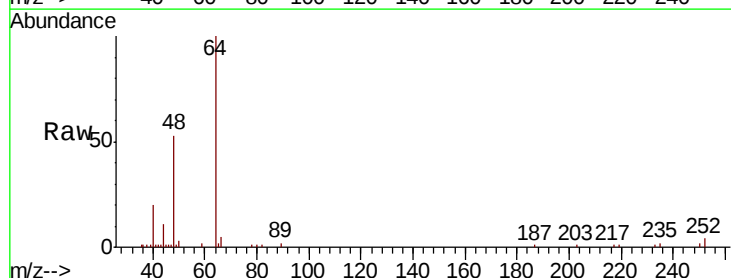
Acq: 07 Mar 2019 16:44

Tgt Ion: 59 Resp: 389

Ion Ratio Lower Upper

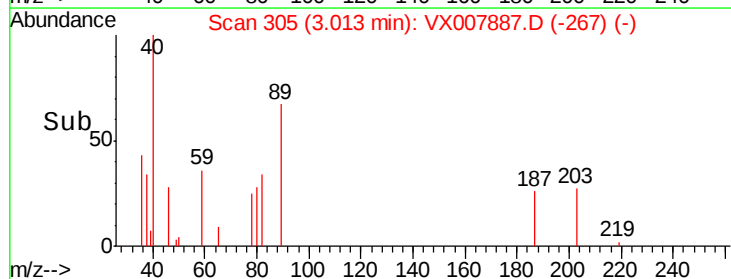
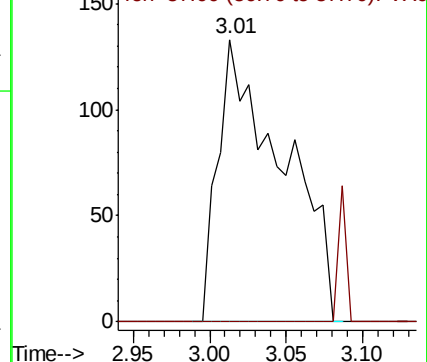
59 100

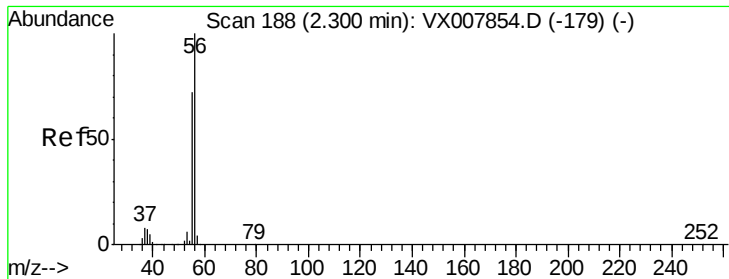
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.650 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007887.D

Acq: 07 Mar 2019 16:44

Instrument :

MSVOA_X

ClientSampled :

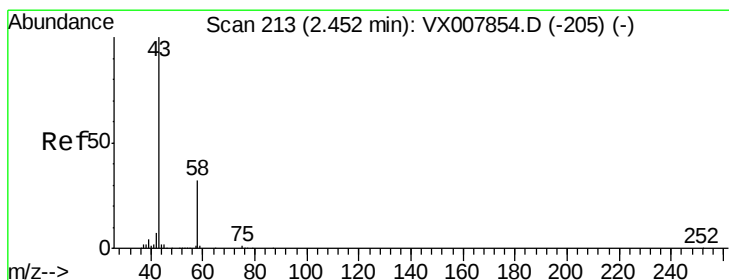
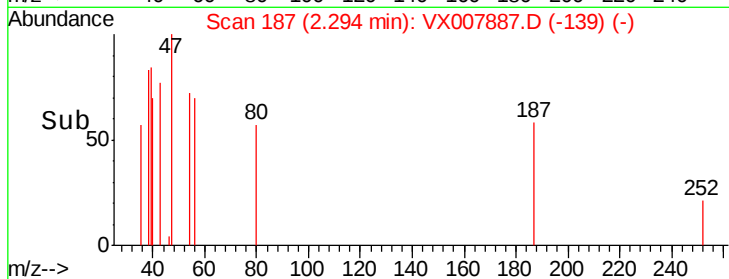
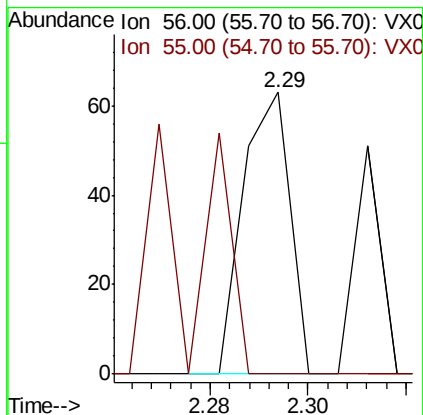
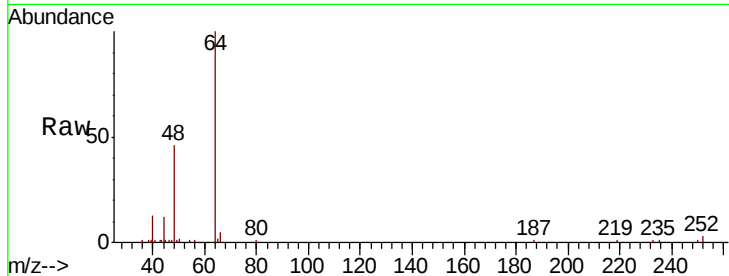
SW-4

Tgt Ion: 56 Resp: 42

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.6#



#16

Acetone

Concen: 2.986 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007887.D

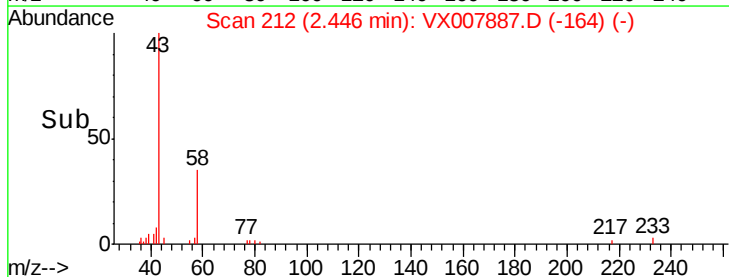
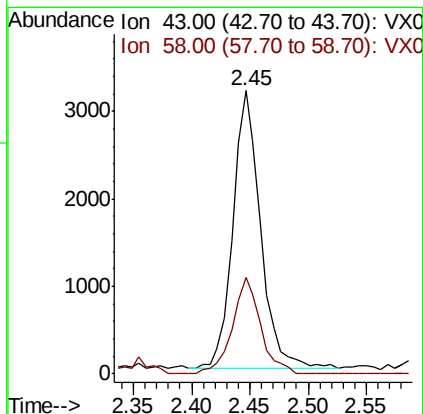
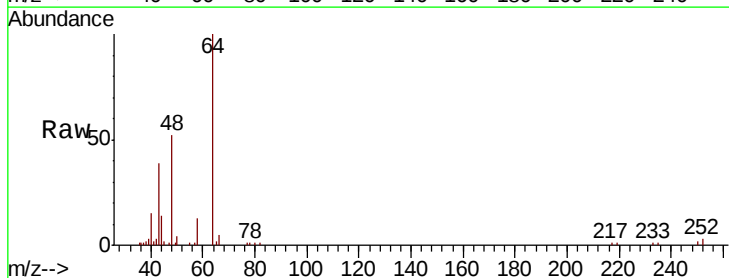
Acq: 07 Mar 2019 16:44

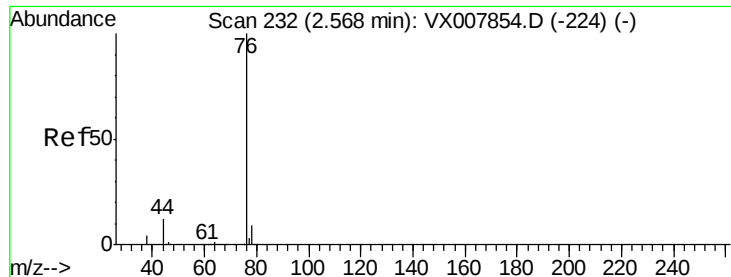
Tgt Ion: 43 Resp: 5241

Ion Ratio Lower Upper

43 100

58 34.6 25.5 38.3





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007887.D

Acq: 07 Mar 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

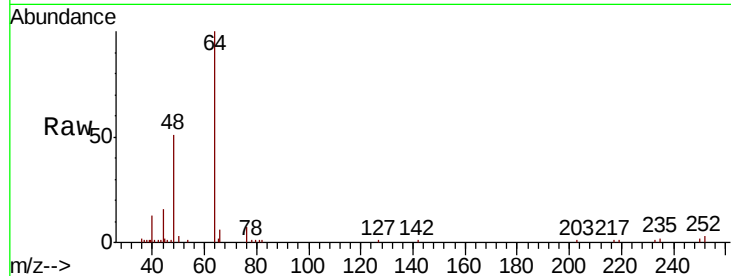
SW-4

Tgt Ion: 76 Resp: 929

Ion Ratio Lower Upper

76 100

78 15.8 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

600

500

400

300

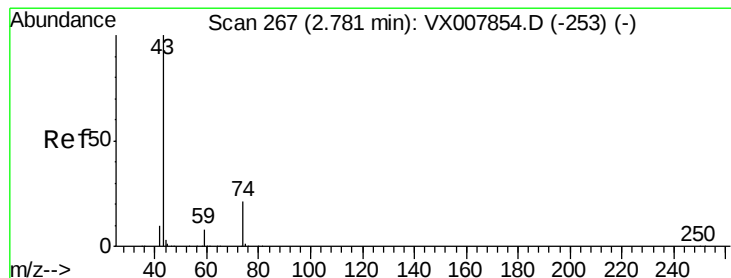
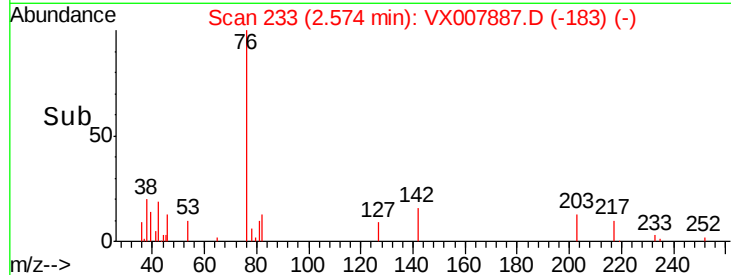
200

100

0

2.50 2.55 2.60

Time-->



#18

Methyl Acetate

Concen: 0.282 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX007887.D

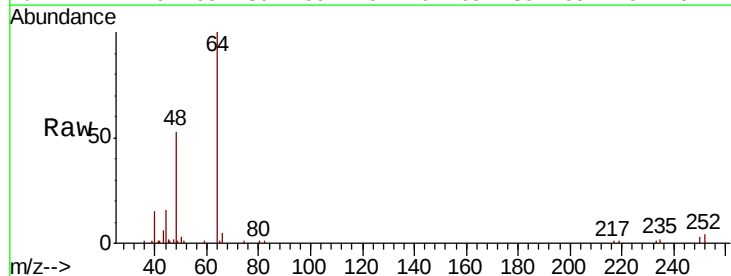
Acq: 07 Mar 2019 16:44

Tgt Ion: 43 Resp: 1050

Ion Ratio Lower Upper

43 100

74 20.2 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

400

300

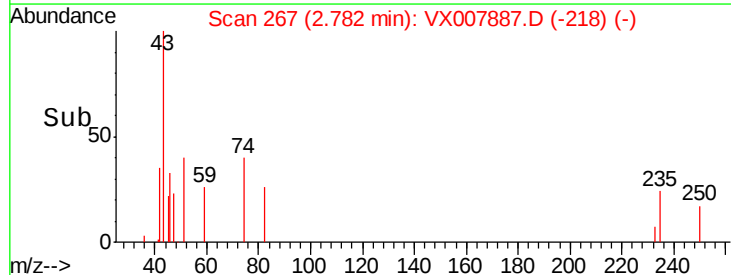
200

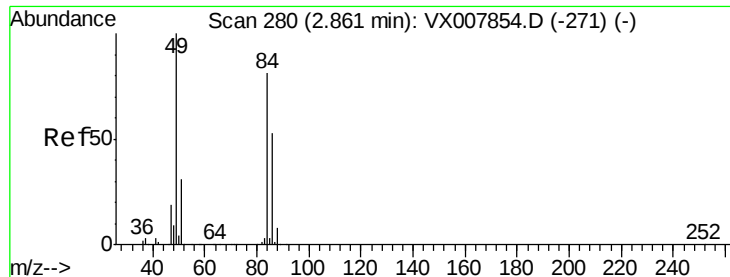
100

0

2.70 2.75 2.80 2.85

Time-->

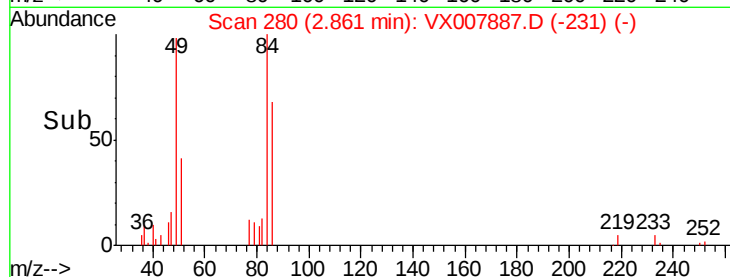
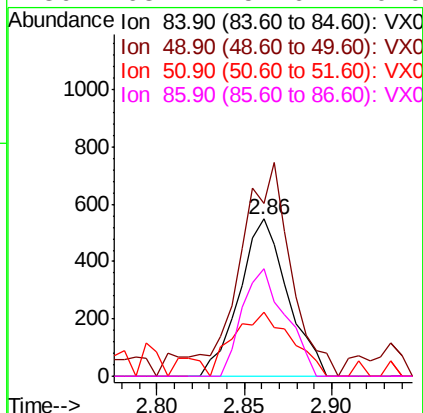
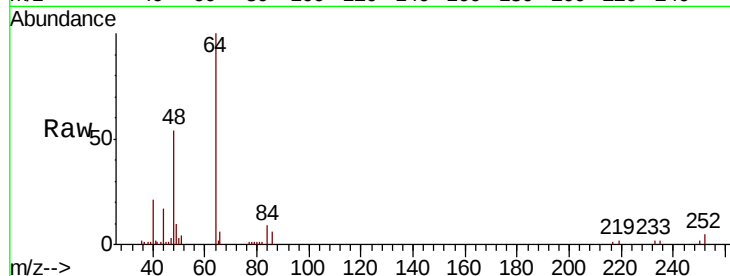




#20
Methylene Chloride
Concen: 0.378 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007887.D
Acq: 07 Mar 2019 16:44

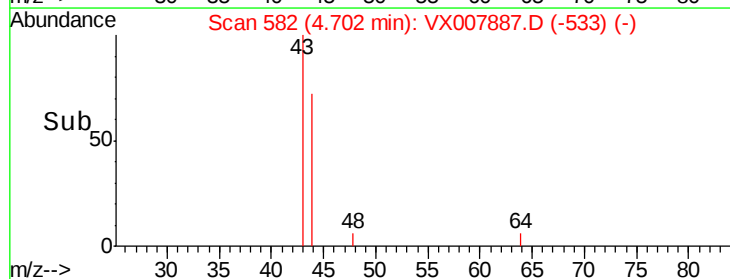
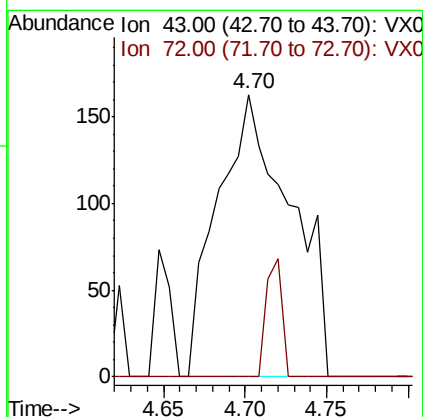
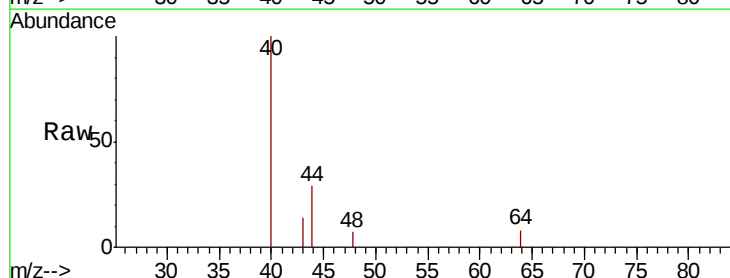
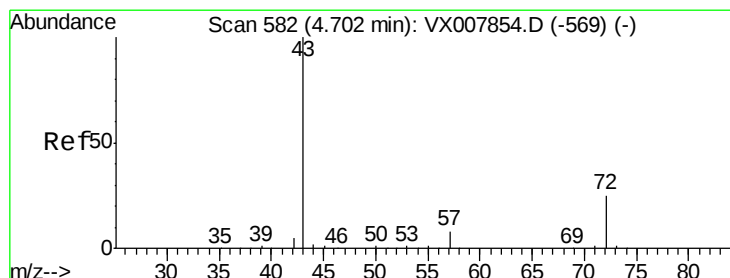
Instrument :
MSVOA_X
ClientSampled :
SW-4

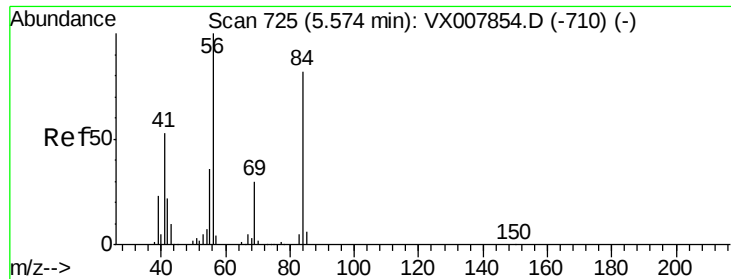
Tgt Ion:	84	Resp:	1055
Ion	Ratio	Lower	Upper
84	100		
49	109.9	99.3	148.9
51	40.5	31.3	46.9
86	68.2	52.6	79.0



#25
2-Butanone
Concen: 0.204 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX007887.D
Acq: 07 Mar 2019 16:44

Tgt Ion:	43	Resp:	508
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.9	29.9#

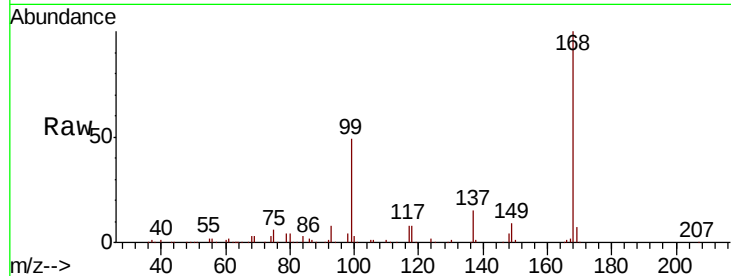




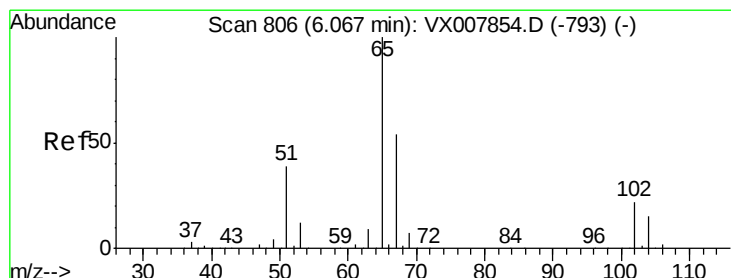
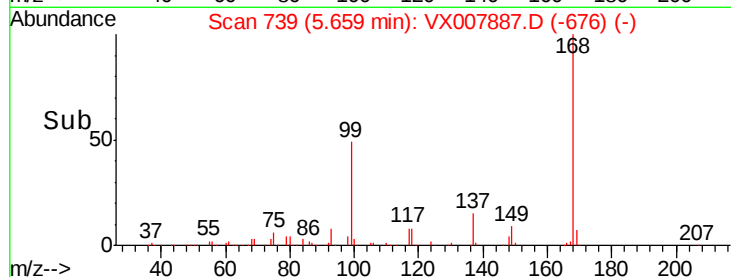
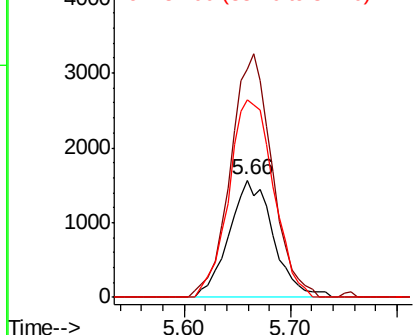
#31
Cyclohexane
Concen: 0.977 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX007887.D
Acq: 07 Mar 2019 16:44

Instrument :
MSVOA_X
ClientSampleId :
SW-4

Tgt Ion: 56 Resp: 4552
Ion Ratio Lower Upper
56 100
69 194.6 24.0 36.0#
84 168.5 65.3 97.9#

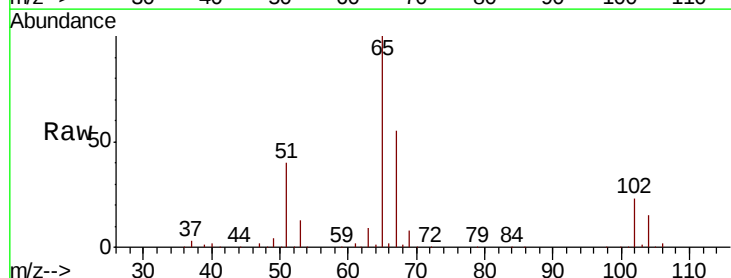


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

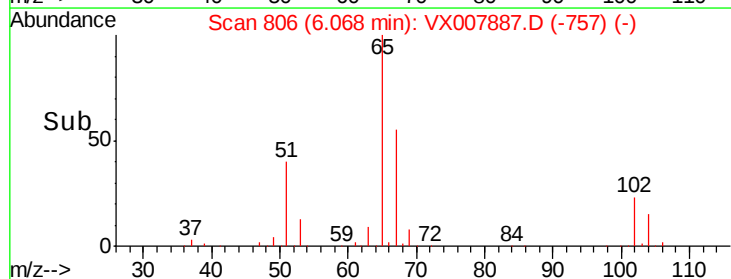
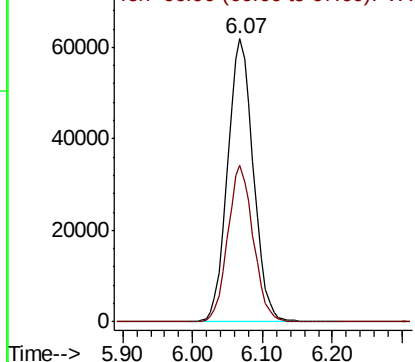


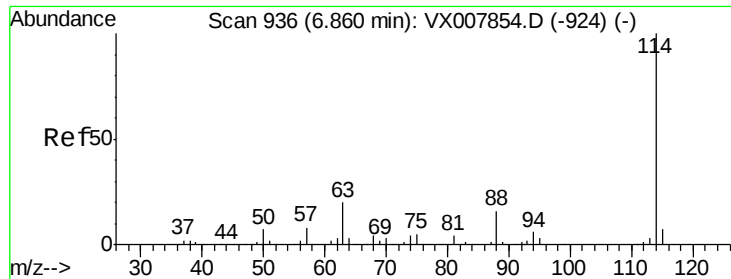
#33
1,2-Dichloroethane-d4
Concen: 52.197 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007887.D
Acq: 07 Mar 2019 16:44

Tgt Ion: 65 Resp: 158265
Ion Ratio Lower Upper
65 100
67 54.7 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

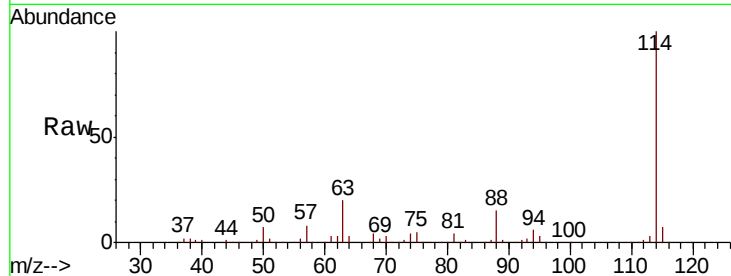




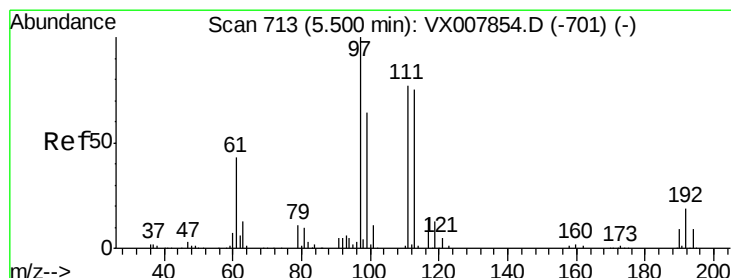
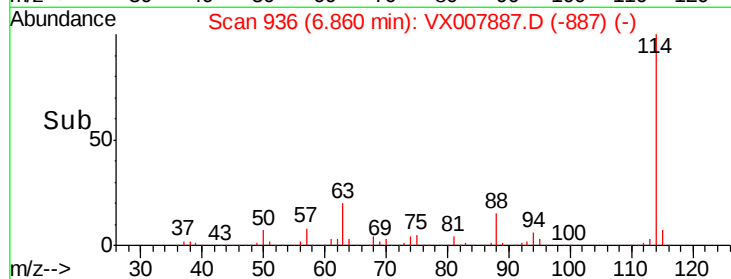
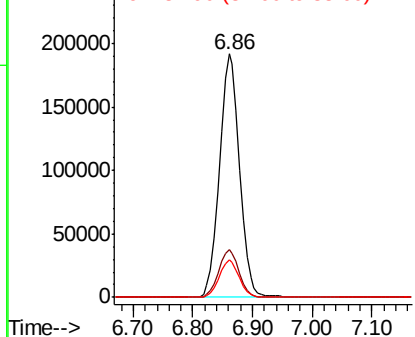
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007887.D
 Acq: 07 Mar 2019 16:44

Instrument :
 MSVOA_X
 ClientSampleID :
 SW-4

Tgt Ion:114 Resp: 448204
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.3 0.0 31.4

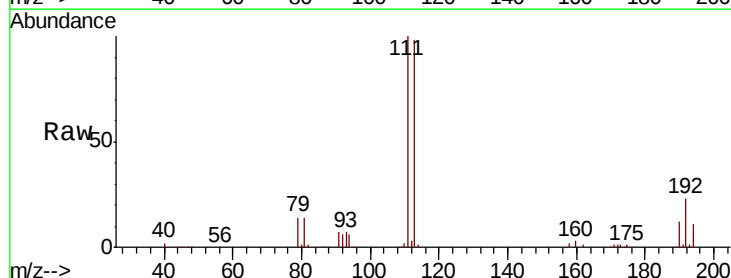


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

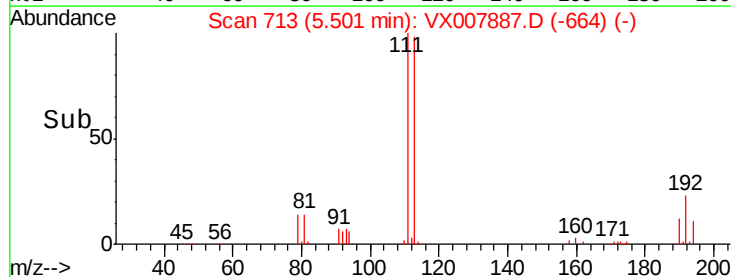
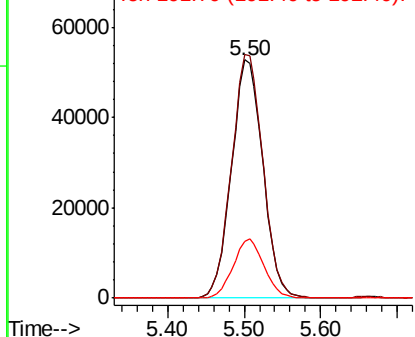


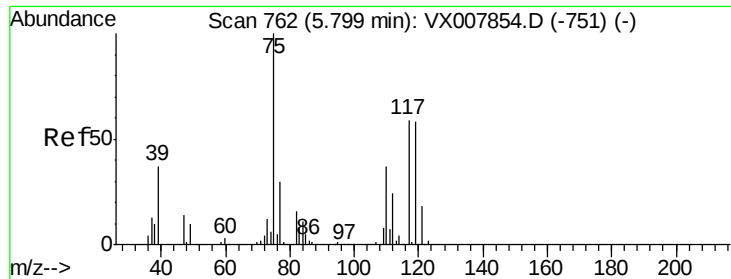
#35
 Dibromofluoromethane
 Concen: 52.298 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007887.D
 Acq: 07 Mar 2019 16:44

Tgt Ion:113 Resp: 149939
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.4 122.0
 192 24.3 19.4 29.0



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: 4.425 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007887.D

Acq: 07 Mar 2019 16:44

Instrument :

MSVOA_X

ClientSampled :

SW-4

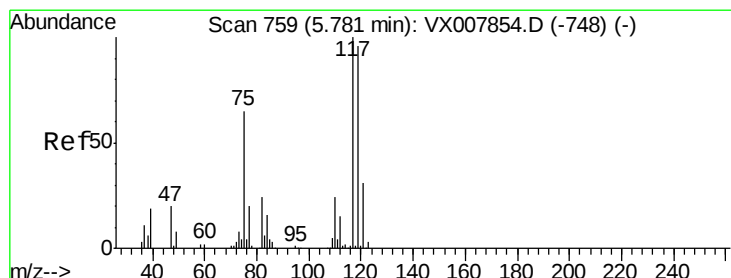
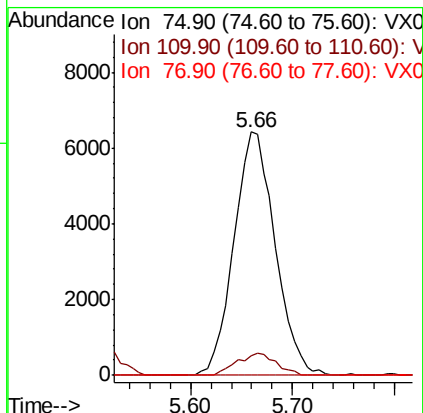
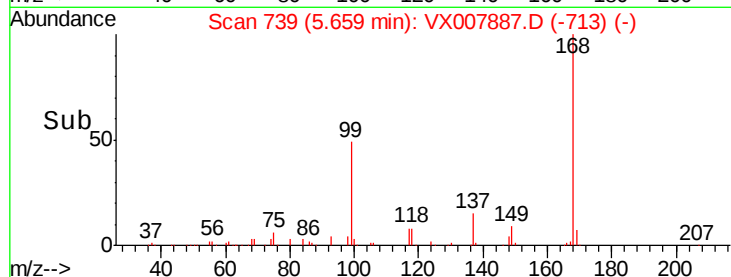
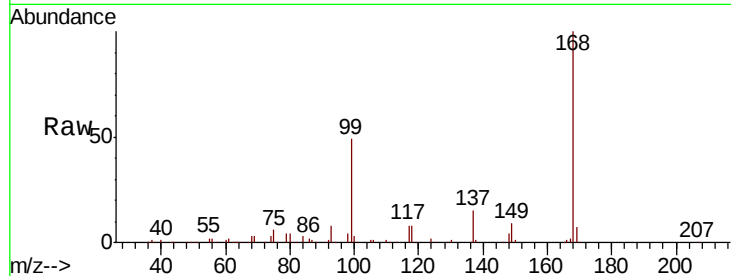
Tgt Ion: 75 Resp: 17959

Ion Ratio Lower Upper

75 100

110 8.6 18.4 55.0#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.321 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007887.D

Acq: 07 Mar 2019 16:44

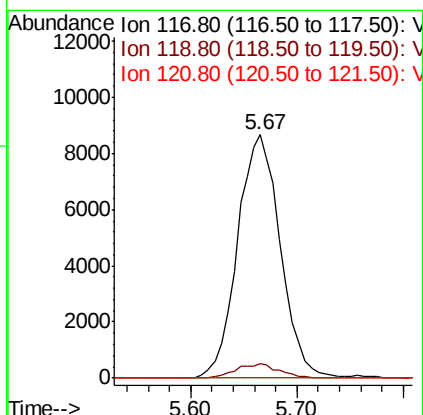
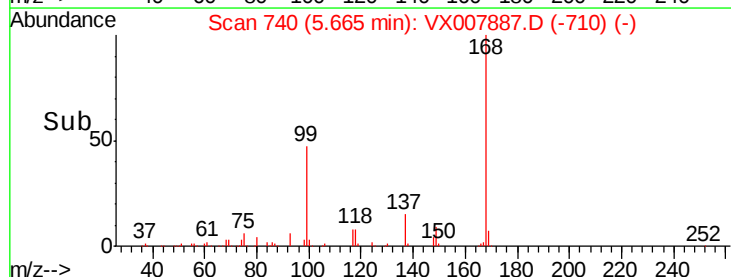
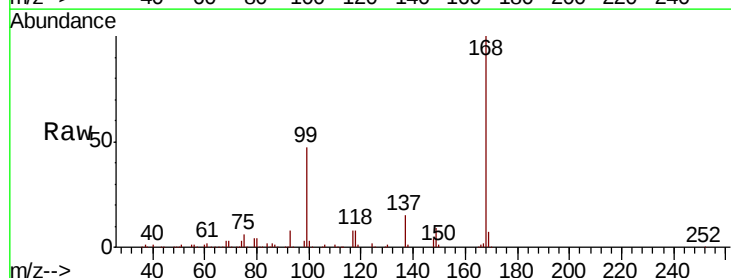
Tgt Ion: 117 Resp: 24356

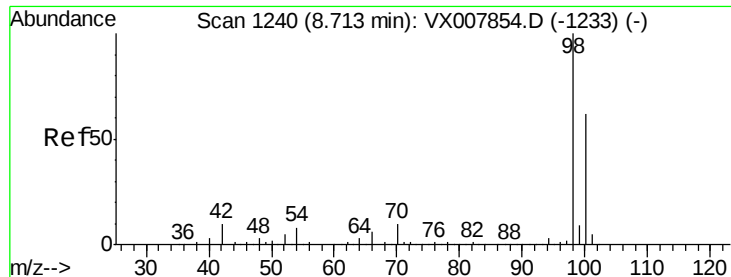
Ion Ratio Lower Upper

117 100

119 6.1 76.2 114.2#

121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 51.305 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007887.D

Acq: 07 Mar 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

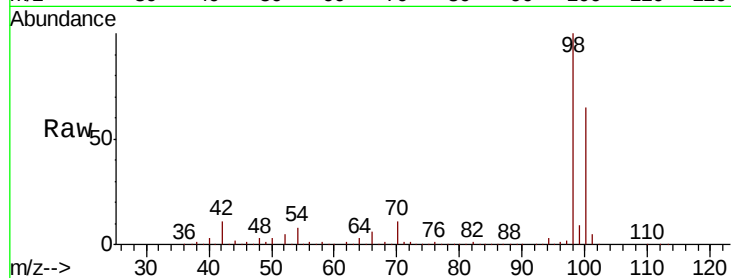
SW-4

Tgt Ion: 98 Resp: 540207

Ion Ratio Lower Upper

98 100

100 65.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

400000

300000

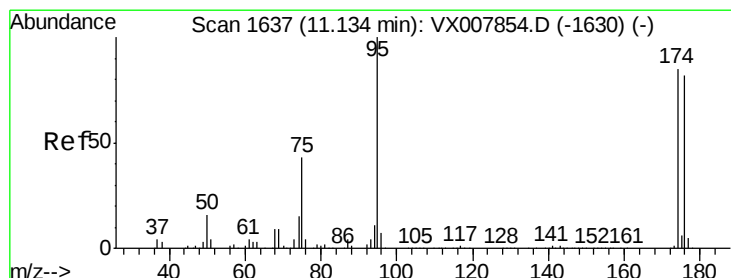
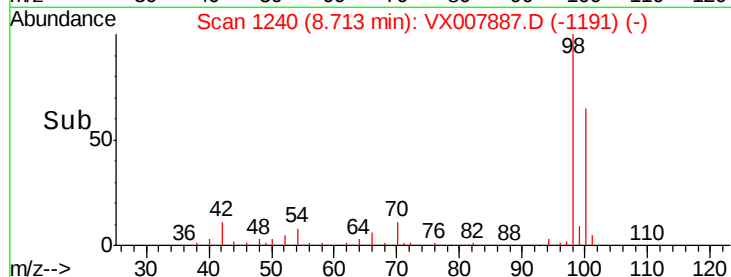
200000

100000

0

Time-->

8.60 8.70 8.80 8.90 9.00



#62

4-Bromofluorobenzene

Concen: 53.702 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007887.D

Acq: 07 Mar 2019 16:44

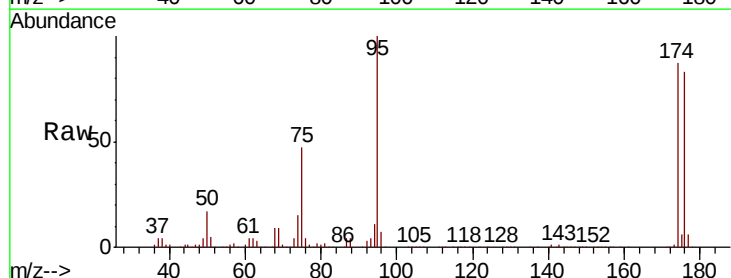
Tgt Ion: 95 Resp: 198247

Ion Ratio Lower Upper

95 100

174 92.8 0.0 182.8

176 89.3 0.0 178.0



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

11.13

200000

150000

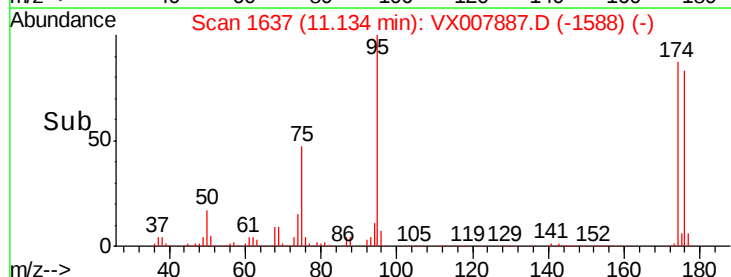
100000

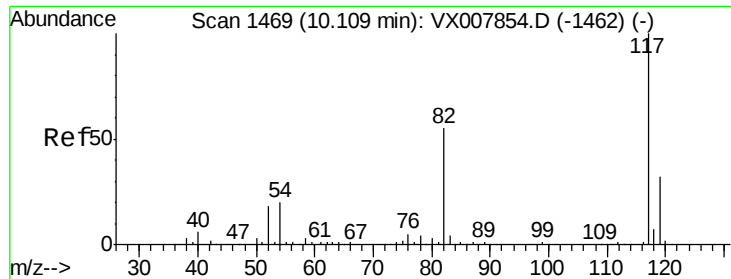
50000

0

Time-->

11.10 11.20

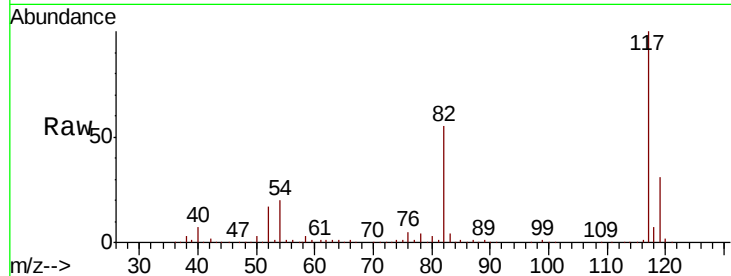




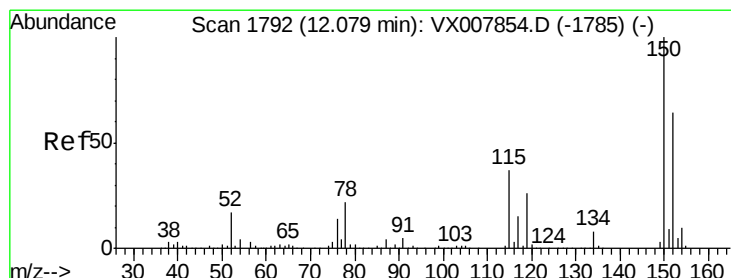
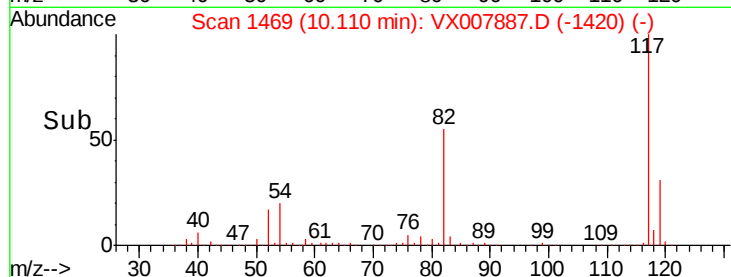
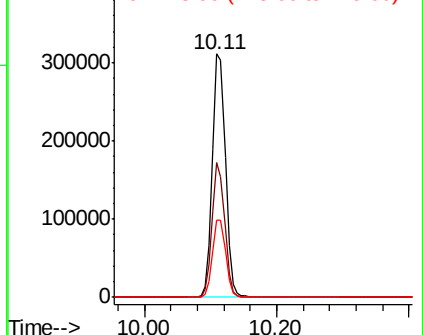
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007887.D
Acq: 07 Mar 2019 16:44

Instrument :
MSVOA_X
ClientSampled :
SW-4

Tgt Ion:117 Resp: 425964
Ion Ratio Lower Upper
117 100
82 55.3 44.3 66.5
119 31.5 25.3 37.9

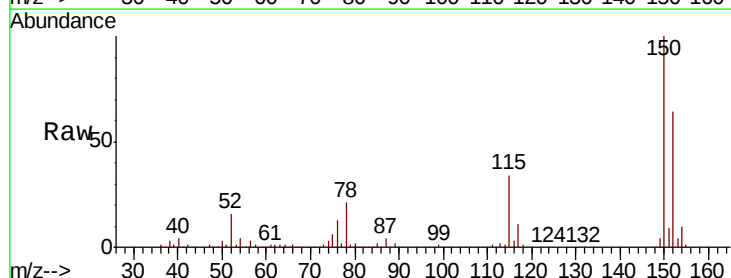


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

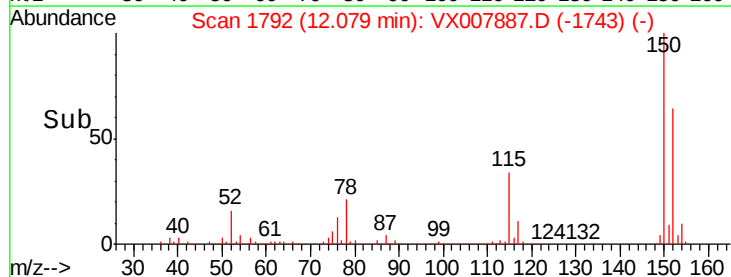
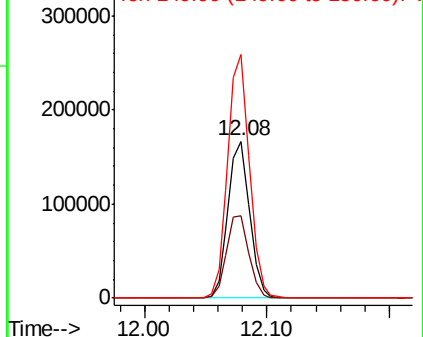


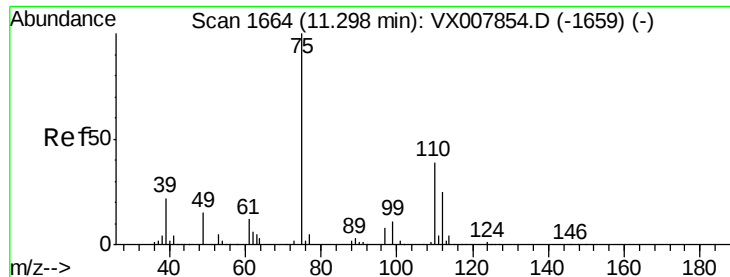
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007887.D
Acq: 07 Mar 2019 16:44

Tgt Ion:152 Resp: 203697
Ion Ratio Lower Upper
152 100
115 54.7 38.6 115.7
150 155.9 0.0 348.4



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: 21.367 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007887.D

Acq: 07 Mar 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

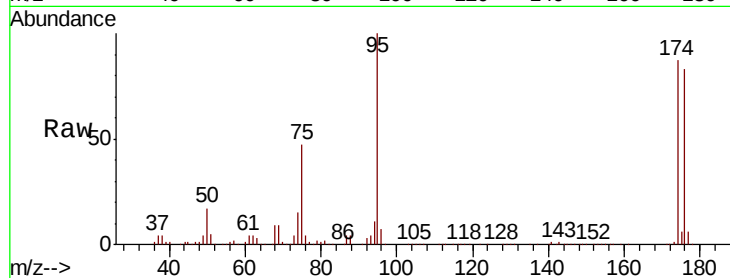
SW-4

Tgt Ion: 75 Resp: 91331

Ion Ratio Lower Upper

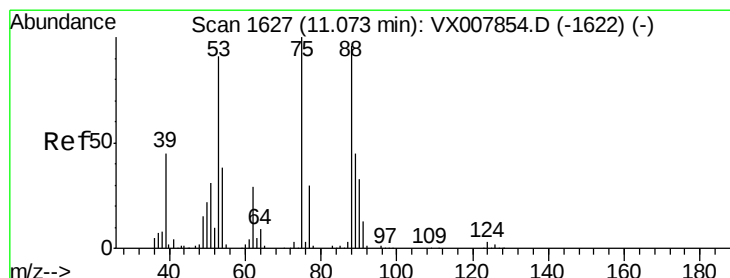
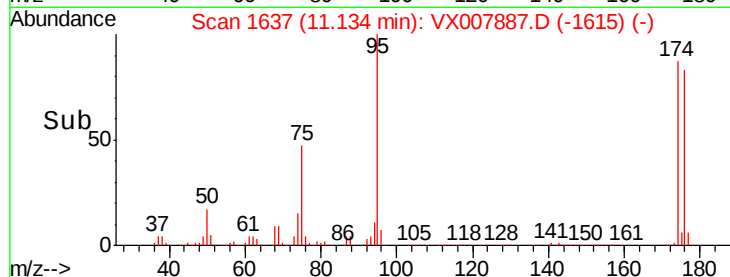
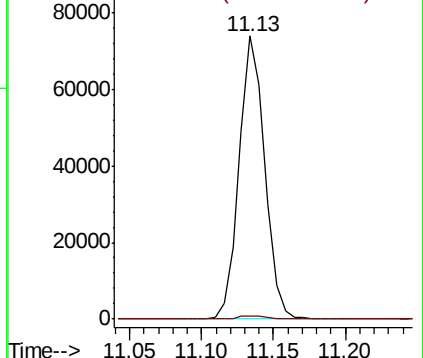
75 100

77 1.4 18.9 56.7#



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: 68.299 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007887.D

Acq: 07 Mar 2019 16:44

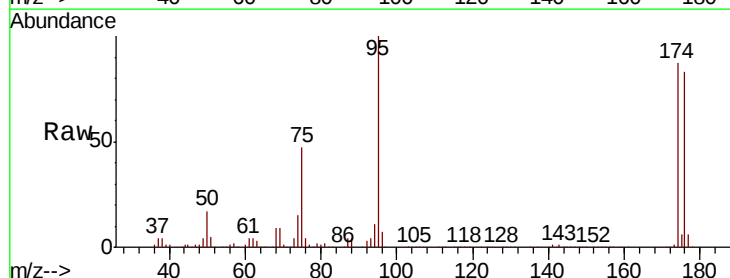
Tgt Ion: 75 Resp: 91331

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#



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

