

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041219\
 Data File : VX008885.D
 Acq On : 12 Apr 2019 14:44
 Operator : JC/SP
 Sample : K2366-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW125-20190409

Quant Time: Apr 13 04:58:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	188472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	301797	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	106777	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	123639	44.98	ug/l	0.00
Spiked Amount			Recovery	=	89.96%	
35) Dibromofluoromethane	5.50	113	89220	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	
50) Toluene-d8	8.71	98	375043	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	11.13	95	124017	45.52	ug/l	0.00
Spiked Amount			Recovery	=	91.04%	

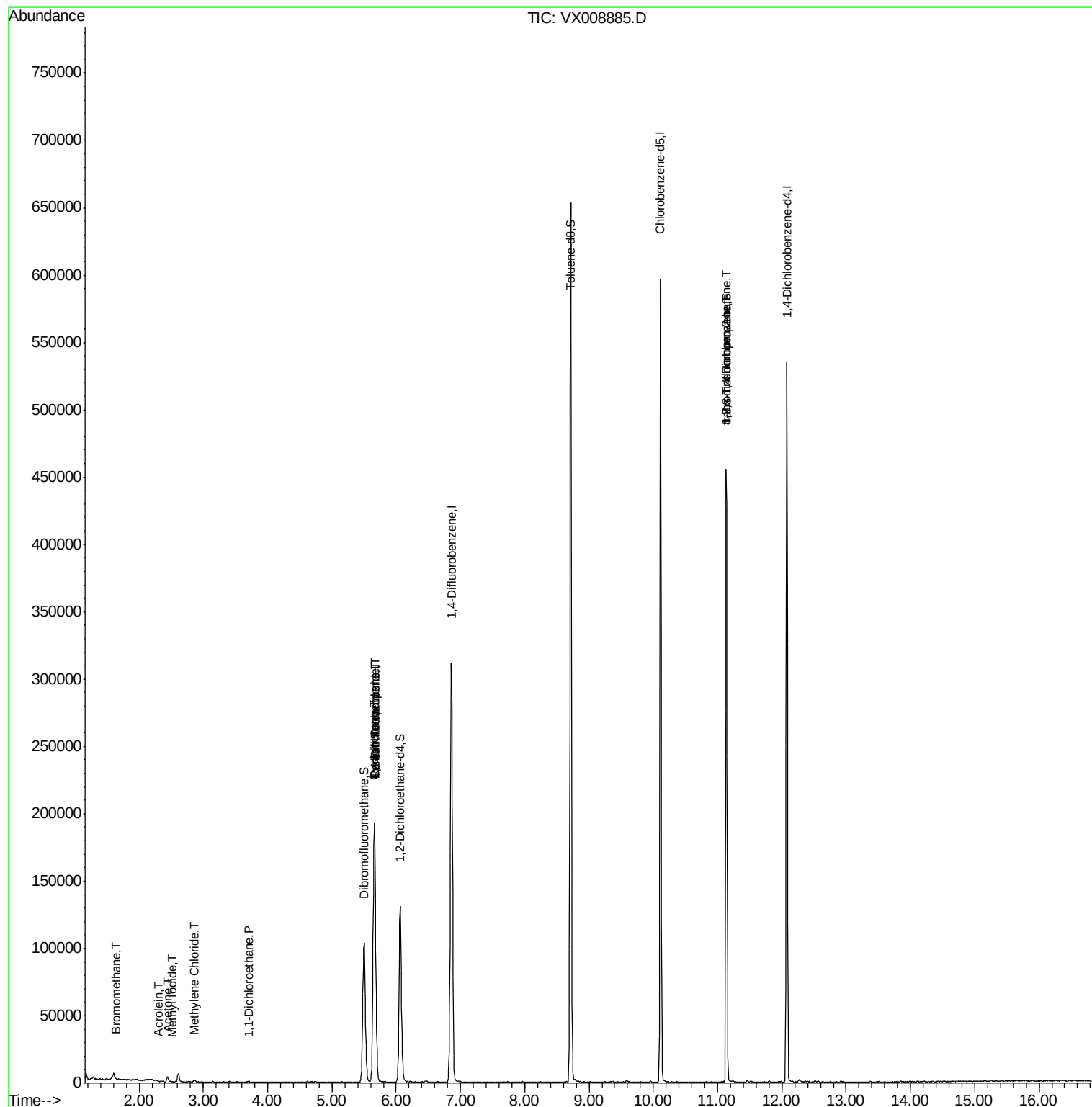
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	381	Below Cal		96
5) Bromomethane	1.64	94	123	1.967 ug/l		82
6) Chloroethane	1.73	64	207	Below Cal	#	43
10) Methyl Iodide	2.52	142	48	4.026 ug/l	#	42
13) Acrolein	2.30	56	195	0.611 ug/l	#	82
16) Acetone	2.44	43	4426	2.795 ug/l	#	89
17) Carbon Disulfide	2.57	76	516	Below Cal	#	75
20) Methylene Chloride	2.85	84	615	0.232 ug/l		92
24) 1,1-Dichloroethane	3.70	63	968	0.203 ug/l	#	85
28) Bromochloromethane	5.01	49	20	Below Cal	#	22
31) Cyclohexane	5.65	56	4414	0.929 ug/l	#	1
36) 1,1-Dichloropropene	5.66	75	14741	4.468 ug/l	#	51
38) Carbon Tetrachloride	5.66	117	17723	6.491 ug/l	#	17
76) 1,2,3-Trichloropropane	11.13	75	62962	21.465 ug/l	#	34
81) trans-1,4-Dichloro-2-buten	11.13	75	62962	59.169 ug/l	#	9

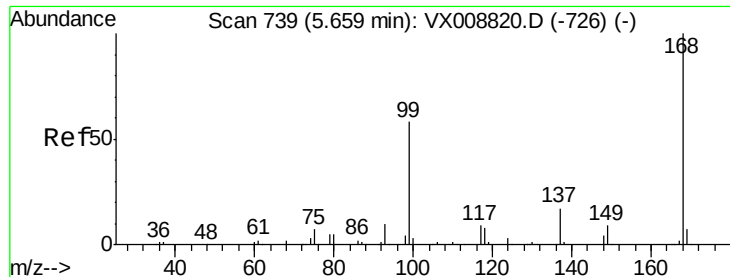
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008885.D

Acq: 12 Apr 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

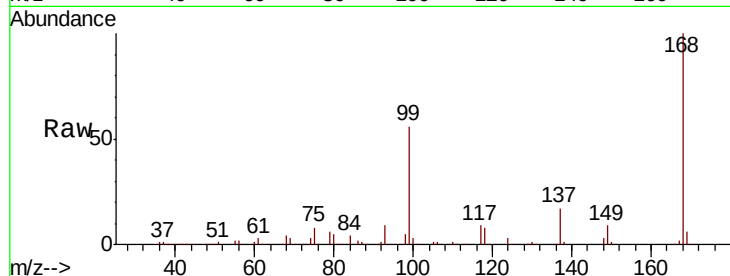
SA-SW125-20190409

Tot Ion:168 Resp: 188472

Ion Ratio Lower Upper

168 100

99 55.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

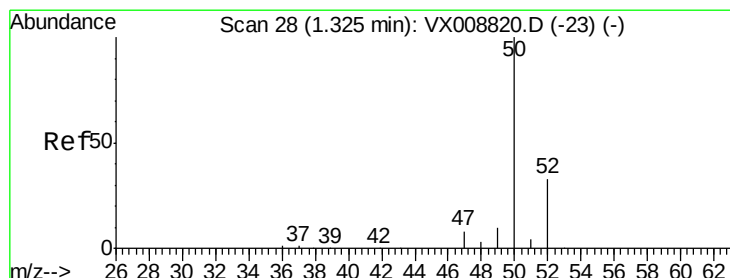
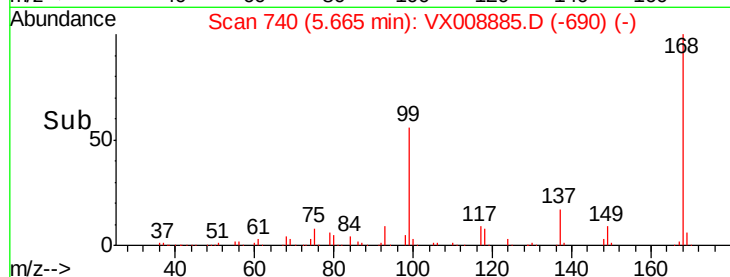
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008885.D

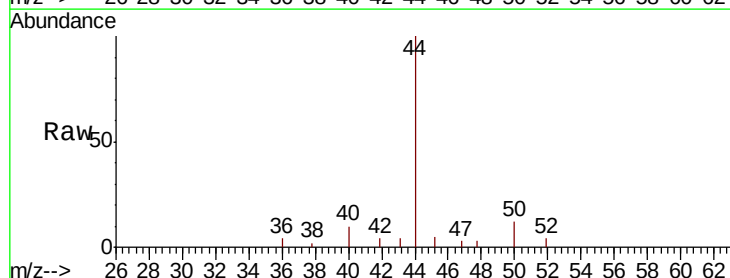
Acq: 12 Apr 2019 14:44

Tgt Ion: 50 Resp: 381

Ion Ratio Lower Upper

50 100

52 34.7 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

250

200

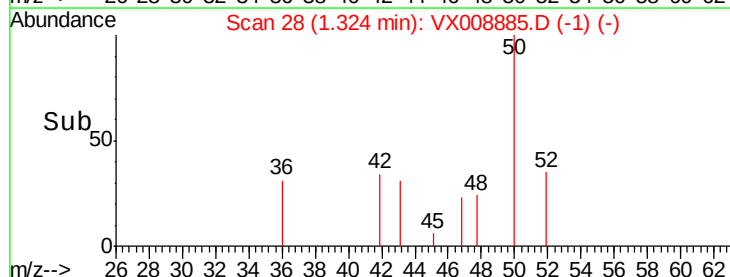
150

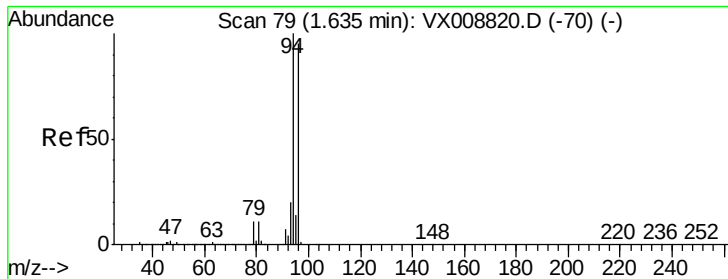
100

50

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 1.967 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008885.D

Acq: 12 Apr 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

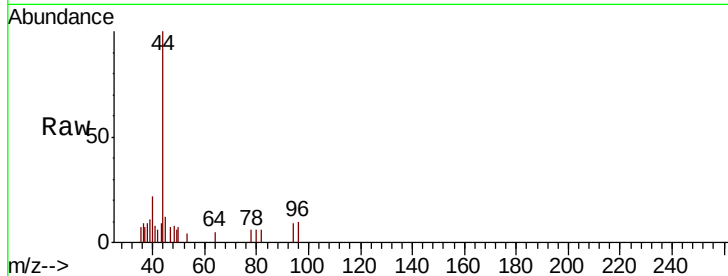
SA-SW125-20190409

Tot Ion: 94 Resp: 123

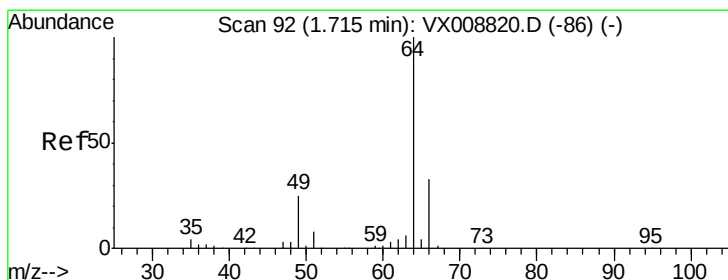
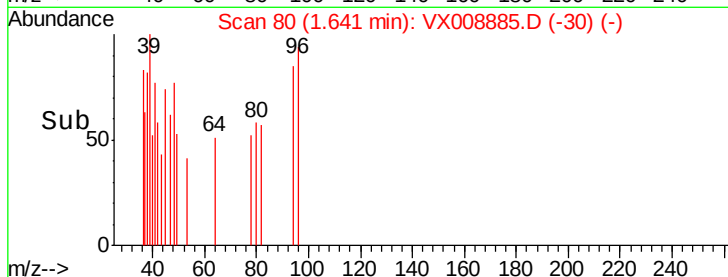
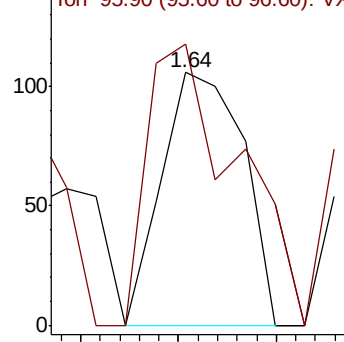
Ion Ratio Lower Upper

94 100

96 111.3 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008885.D

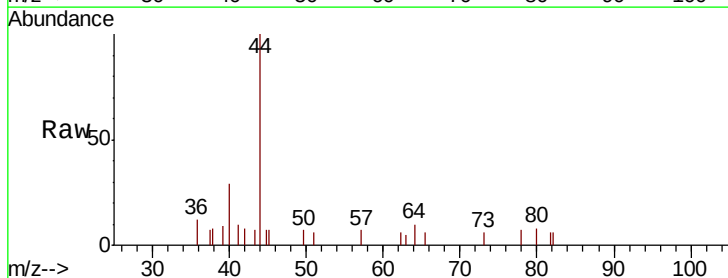
Acq: 12 Apr 2019 14:44

Tgt Ion: 64 Resp: 207

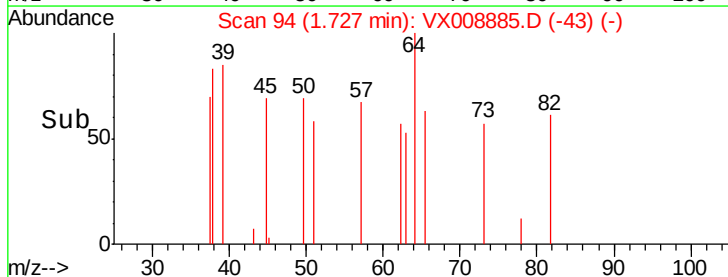
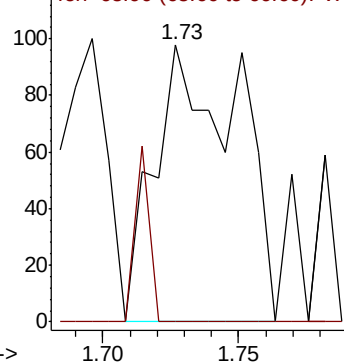
Ion Ratio Lower Upper

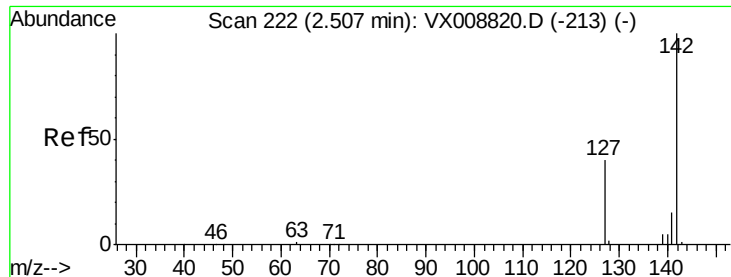
64 100

66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

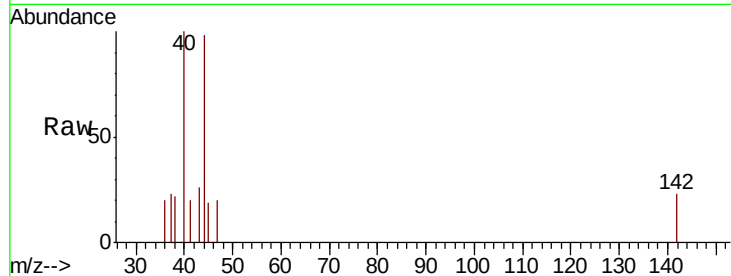




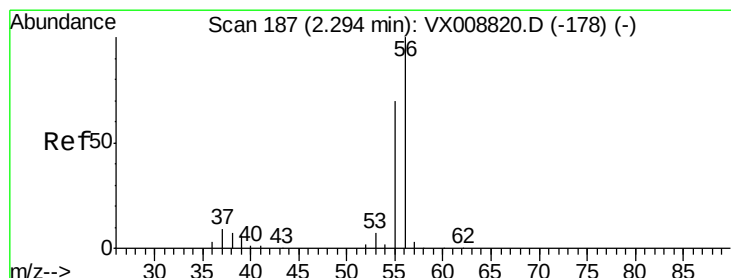
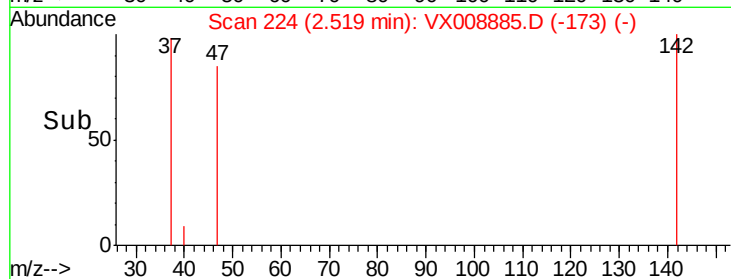
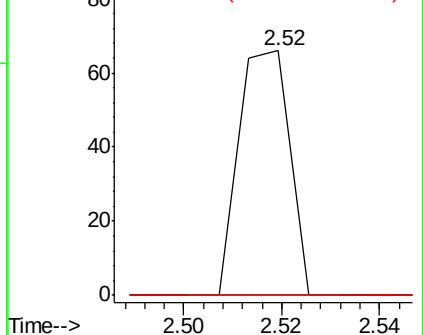
#10
Methyl Iodide
Concen: 4.026 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008885.D
Acq: 12 Apr 2019 14:44

Instrument :
MSVOA_X
ClientSampleId :
SA-SW125-20190409

Tot Ion:142 Resp: 48
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.4 17.2#

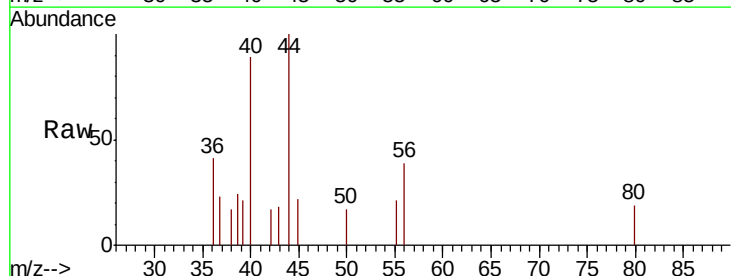


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

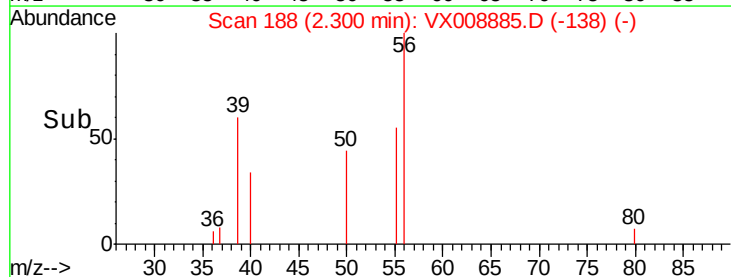
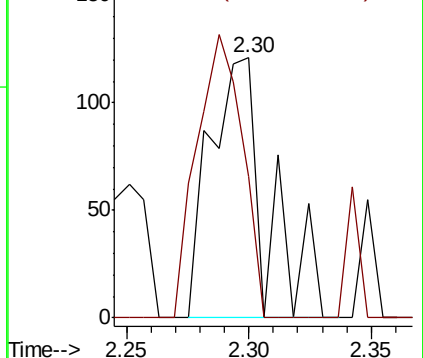


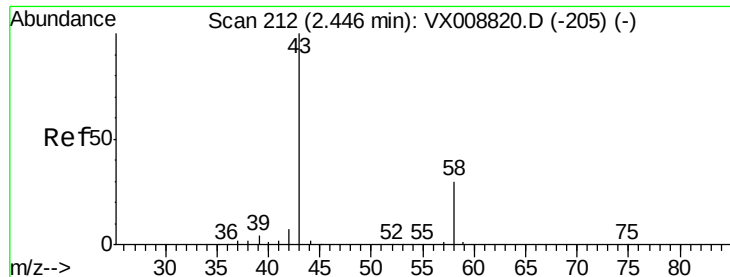
#13
Acrolein
Concen: 0.611 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX008885.D
Acq: 12 Apr 2019 14:44

Tgt Ion: 56 Resp: 195
Ion Ratio Lower Upper
56 100
55 87.7 58.0 87.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 2.795 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008885.D

Acq: 12 Apr 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

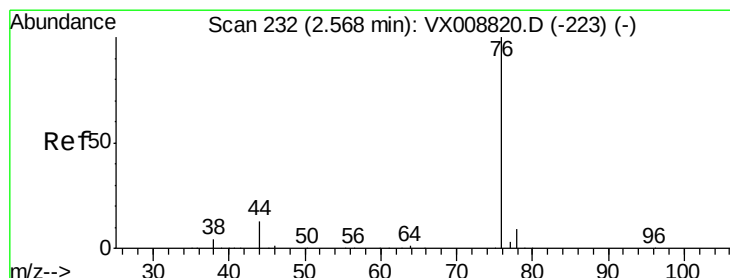
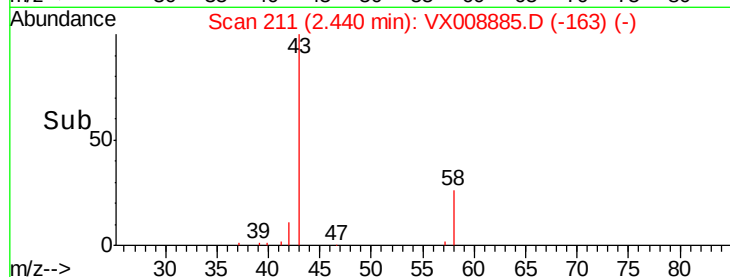
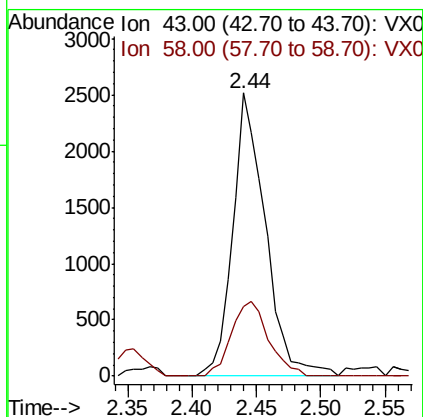
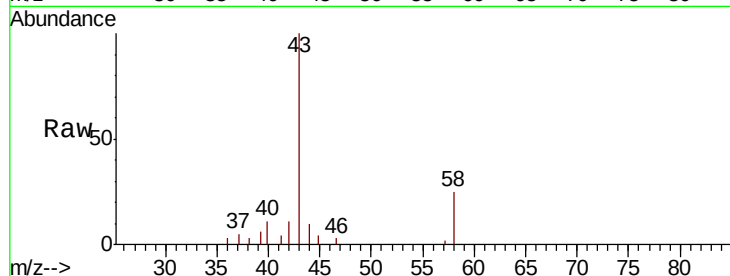
SA-SW125-20190409

Tot Ion: 43 Resp: 4426

Ion Ratio Lower Upper

43 100

58 24.7 24.8 37.2#



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008885.D

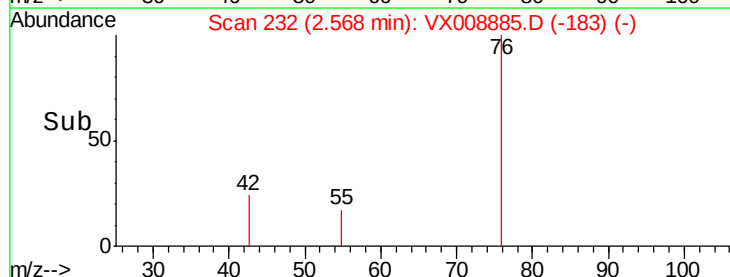
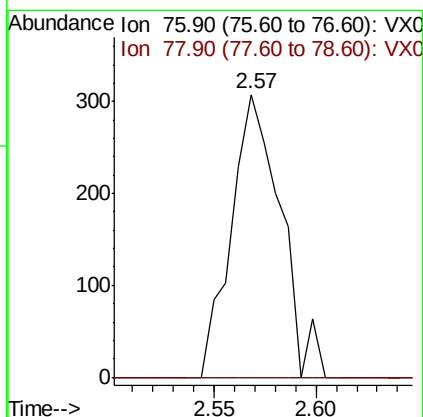
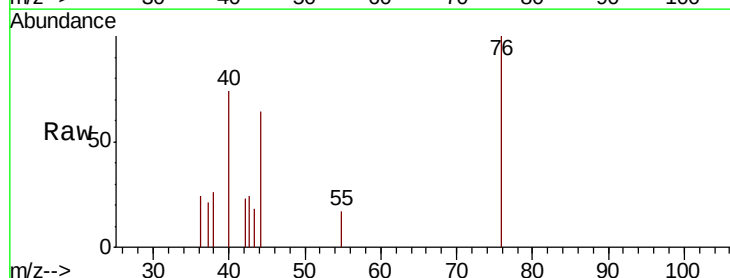
Acq: 12 Apr 2019 14:44

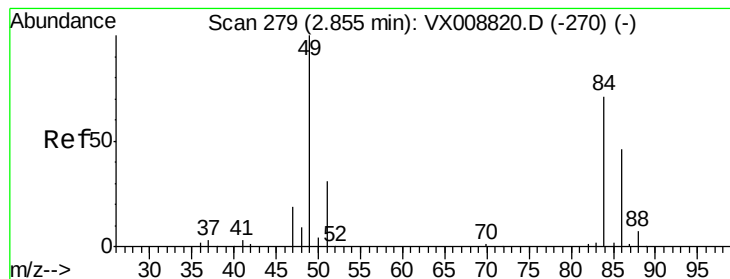
Tgt Ion: 76 Resp: 516

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#





#20

Methylene Chloride

Concen: 0.232 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX008885.D

Acq: 12 Apr 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

SA-SW125-20190409

Tot Ion: 84 Resp: 615

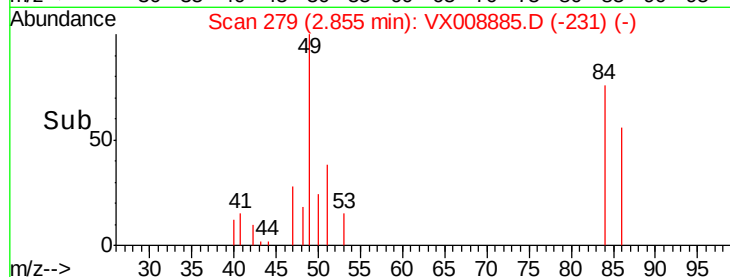
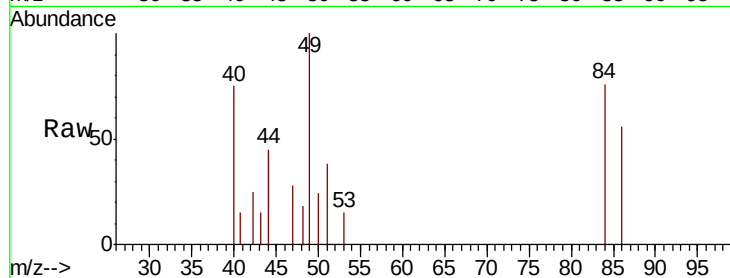
Ion Ratio Lower Upper

84 100

49 131.6 109.7 164.5

51 50.0 33.6 50.4

86 73.8 51.4 77.2

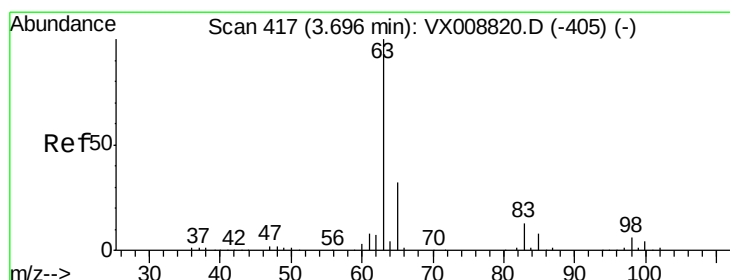
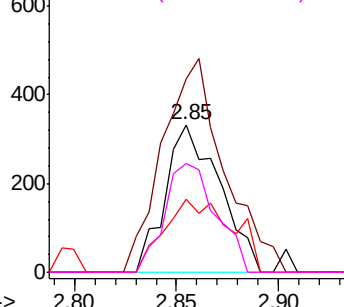


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#24

1,1-Dichloroethane

Concen: 0.203 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX008885.D

Acq: 12 Apr 2019 14:44

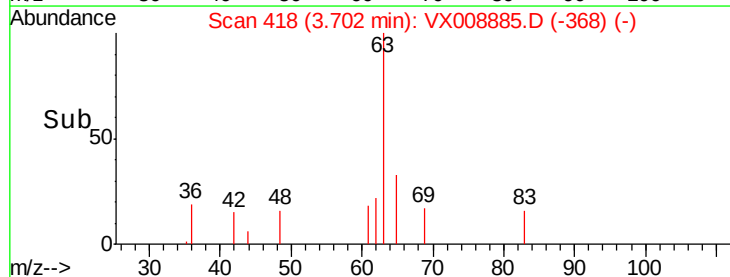
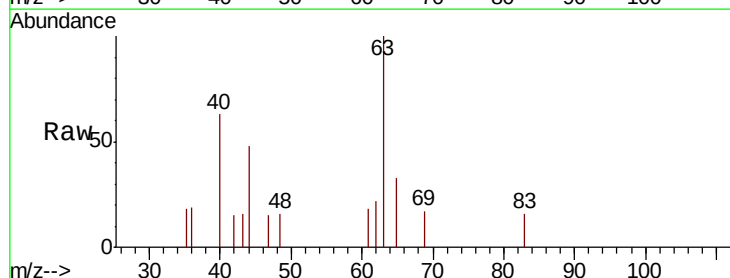
Tgt Ion: 63 Resp: 968

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.4#

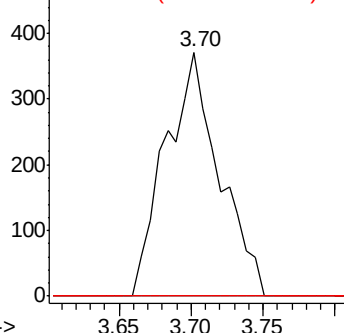
100 0.0 1.8 5.5#

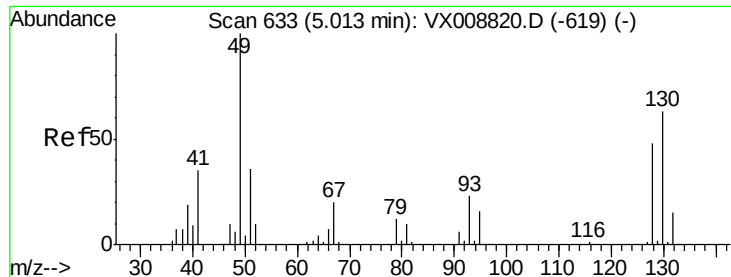


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX008885.D

Acq: 12 Apr 2019 14:44

Instrument :

MSVOA_X

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SA-SW125-20190409

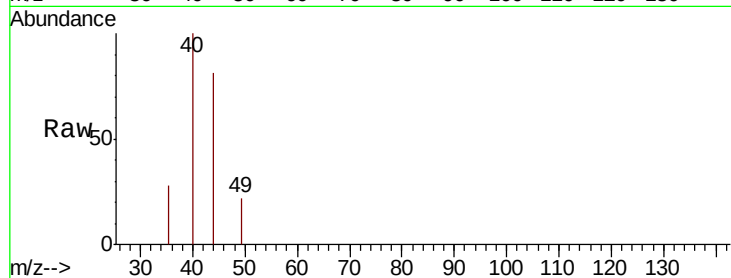
Tot Ion: 49 Resp: 20

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

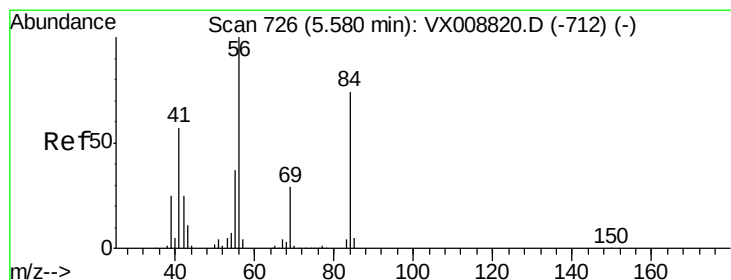
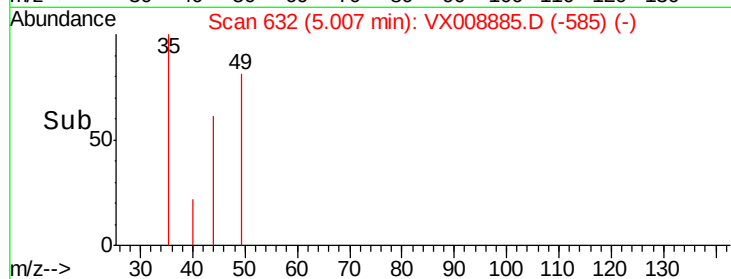
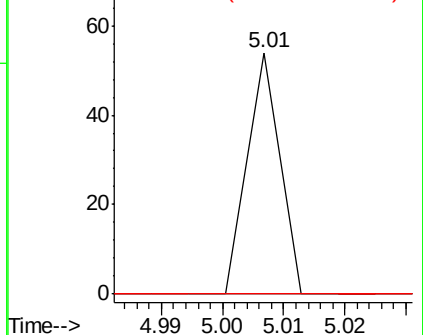
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 0.929 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX008885.D

Acq: 12 Apr 2019 14:44

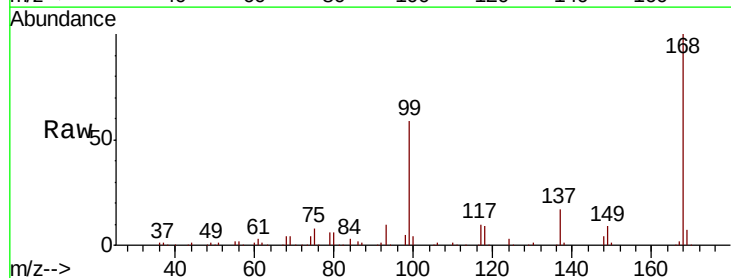
Tgt Ion: 56 Resp: 4414

Ion Ratio Lower Upper

56 100

69 166.2 22.6 33.8#

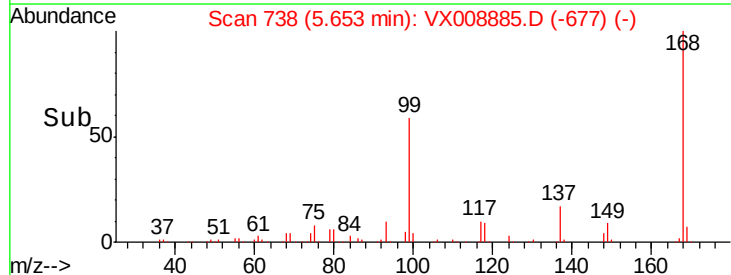
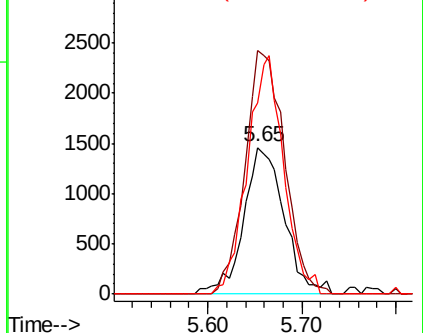
84 130.1 59.3 88.9#

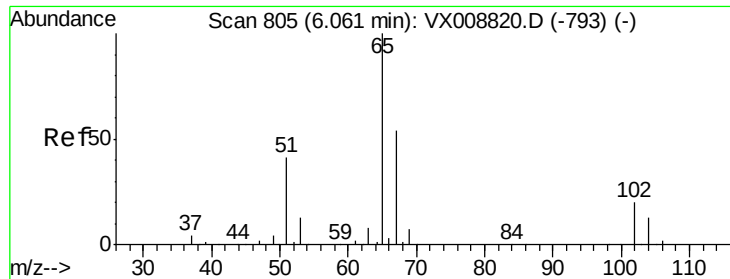


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

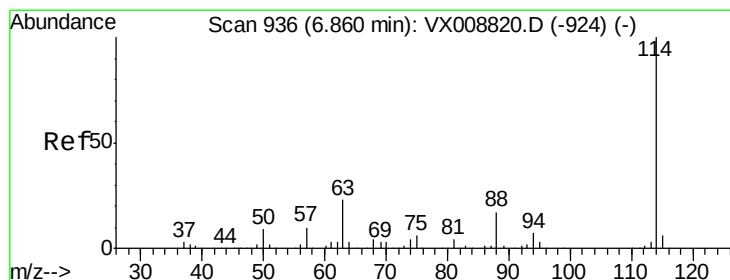
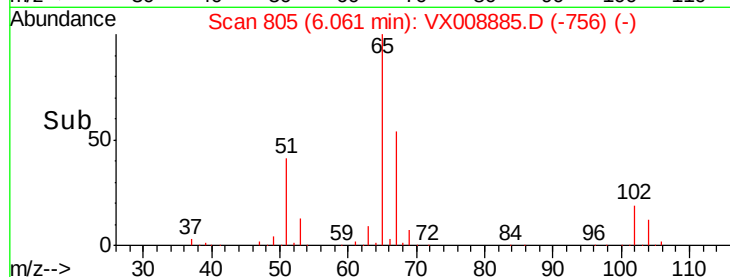
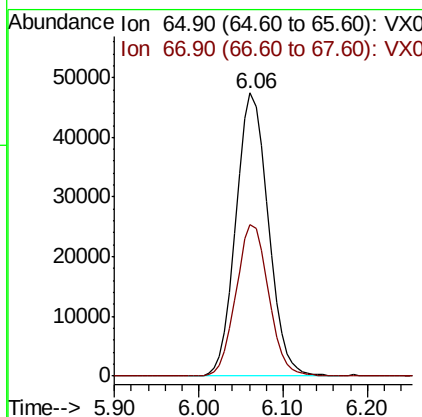
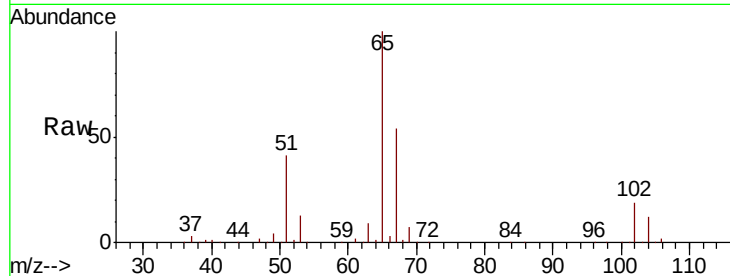




#33
 1,2-Dichloroethane-d4
 Concen: 44.976 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008885.D
 Acq: 12 Apr 2019 14:44

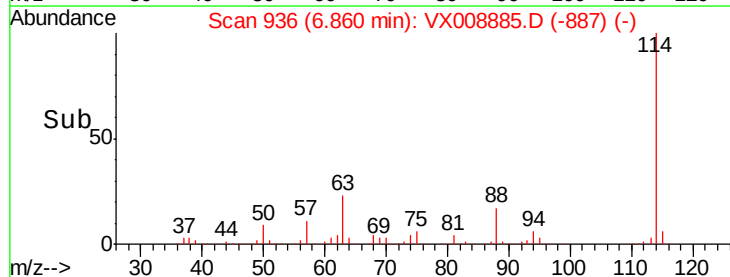
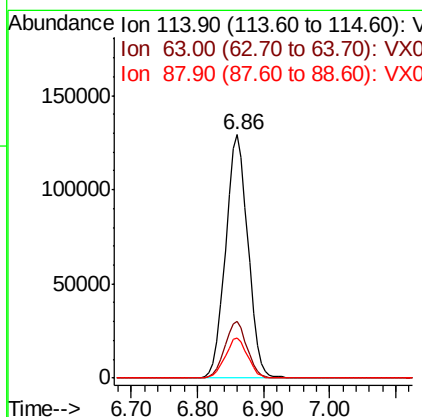
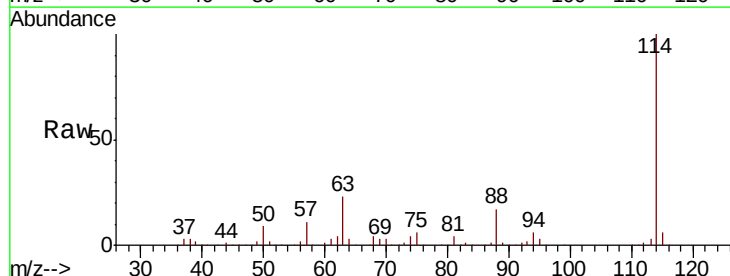
Instrument :
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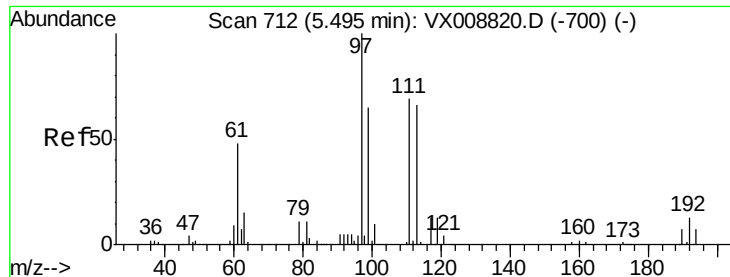
Tot Ion: 65 Resp: 123639
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008885.D
 Acq: 12 Apr 2019 14:44

Tgt Ion: 114 Resp: 301797
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 47.2
 88 16.5 0.0 34.0





#35

Dibromofluoromethane

Concen: 46.238 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008885.D

Acq: 12 Apr 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

SA-SW125-20190409

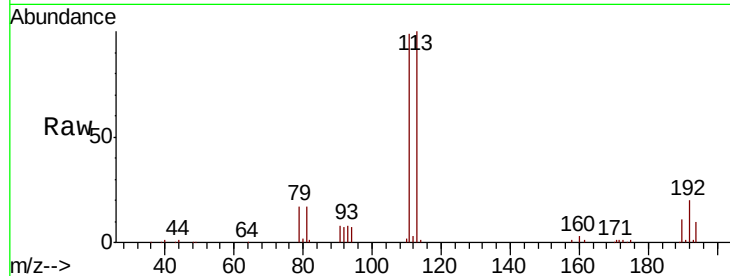
Tot Ion:113 Resp: 89220

Ion Ratio Lower Upper

113 100

111 101.9 83.4 125.2

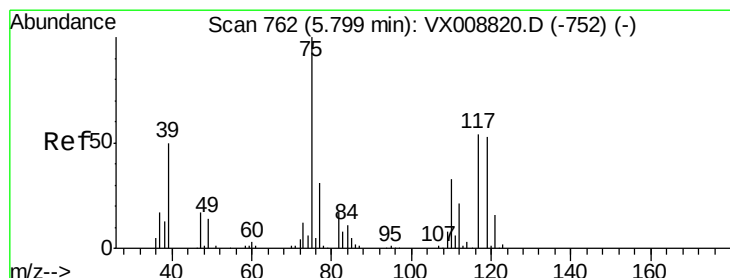
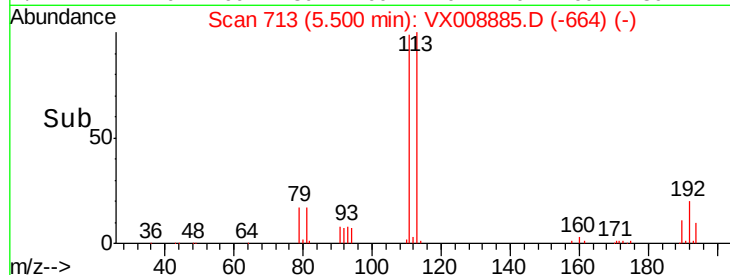
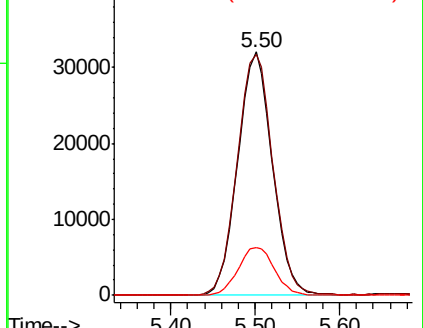
192 20.7 16.1 24.1



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: 4.468 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008885.D

Acq: 12 Apr 2019 14:44

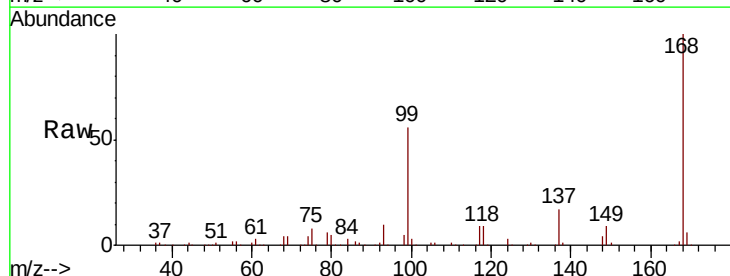
Tgt Ion: 75 Resp: 14741

Ion Ratio Lower Upper

75 100

110 9.2 16.4 49.2#

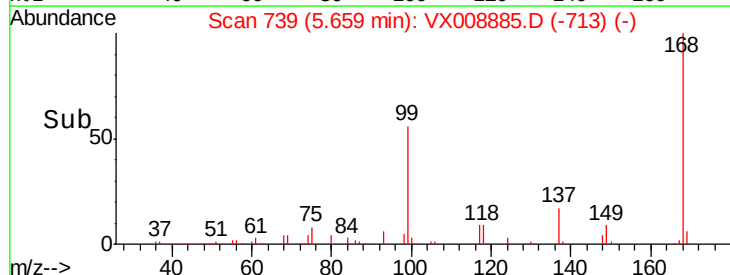
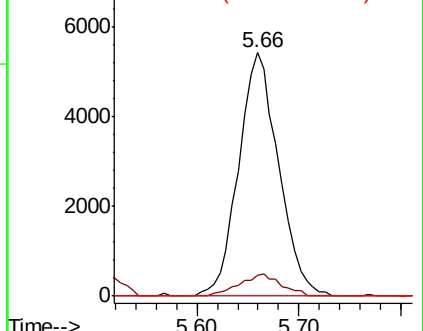
77 0.0 24.7 37.1#

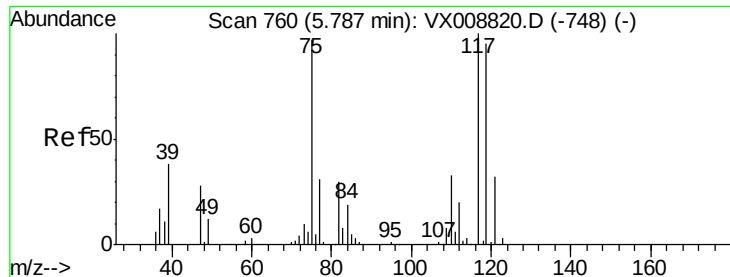


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.491 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008885.D

Acq: 12 Apr 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

SA-SW125-20190409

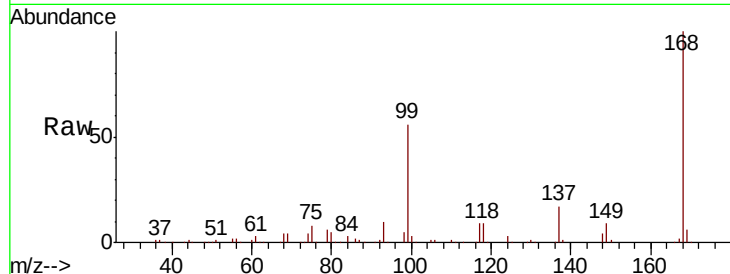
Tot Ion:117 Resp: 17723

Ion Ratio Lower Upper

117 100

119 5.1 75.0 112.6#

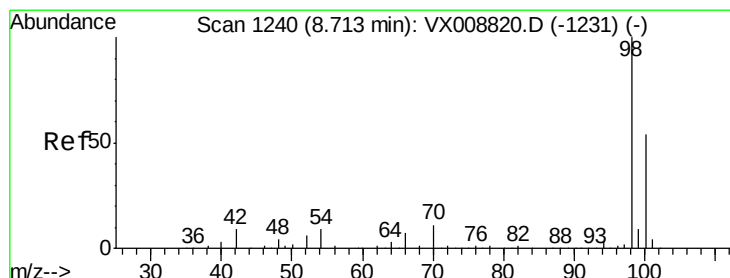
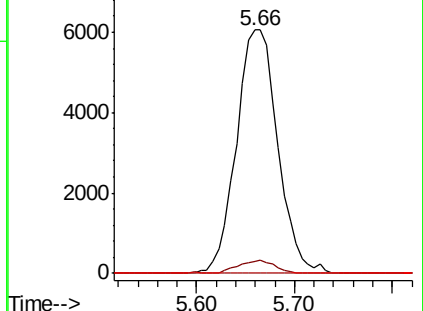
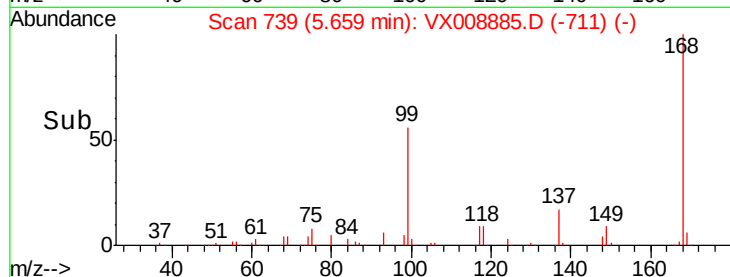
121 0.0 24.3 36.5#



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: 48.814 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008885.D

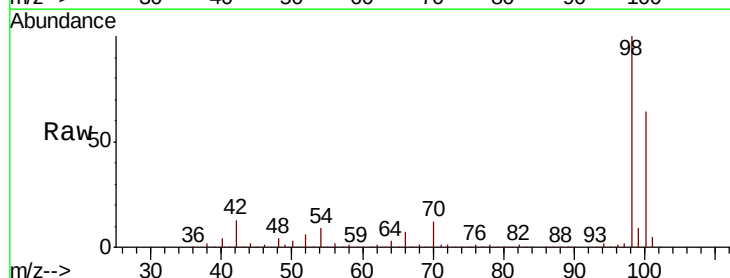
Acq: 12 Apr 2019 14:44

Tgt Ion: 98 Resp: 375043

Ion Ratio Lower Upper

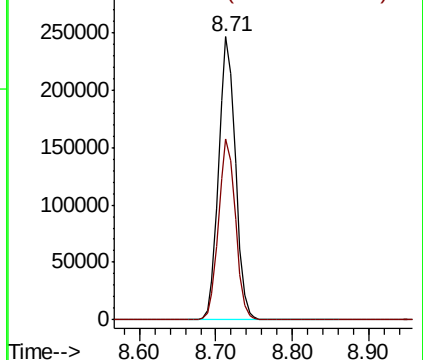
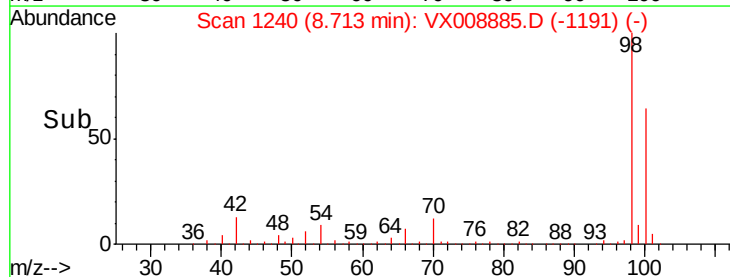
98 100

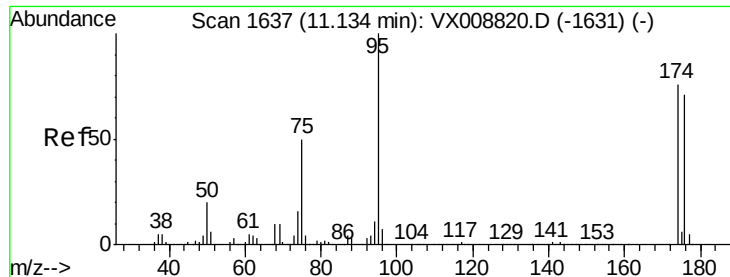
100 64.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.519 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008885.D

Acq: 12 Apr 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

SA-SW125-20190409

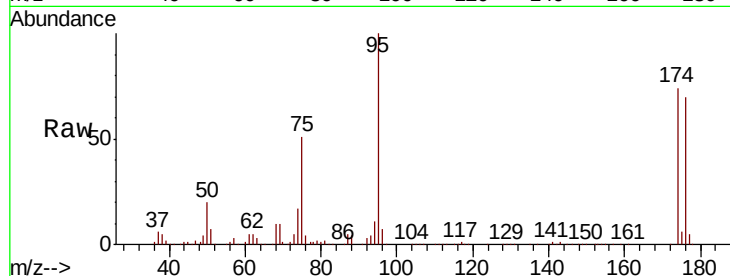
Tot Ion: 95 Resp: 124017

Ion Ratio Lower Upper

95 100

174 78.2 0.0 151.8

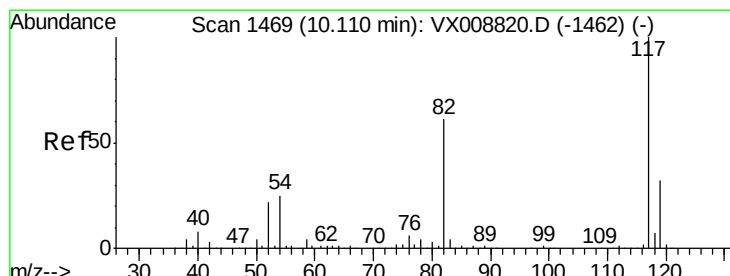
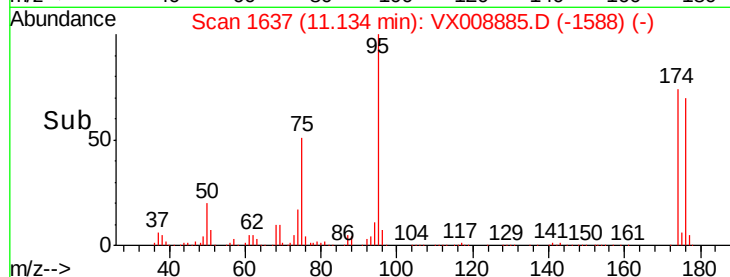
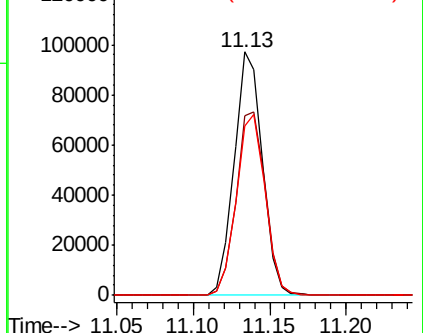
176 75.9 0.0 145.8



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: VX008885.D

Acq: 12 Apr 2019 14:44

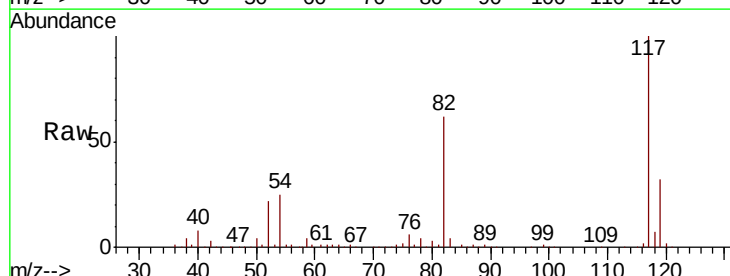
Tgt Ion: 117 Resp: 257225

Ion Ratio Lower Upper

117 100

82 61.7 49.6 74.4

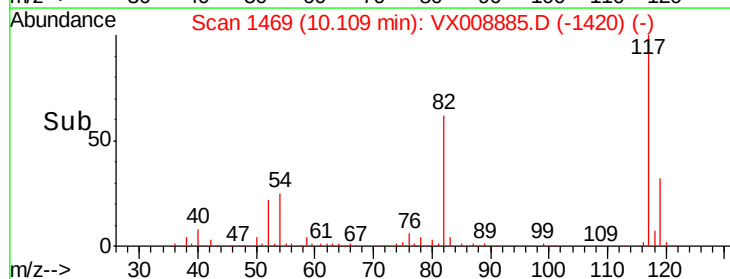
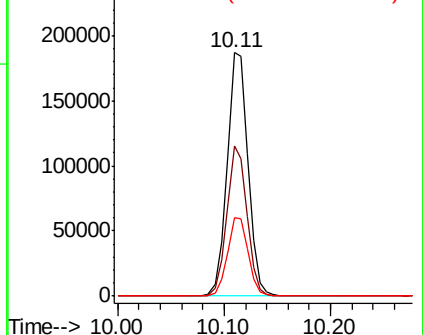
119 32.0 25.0 37.4

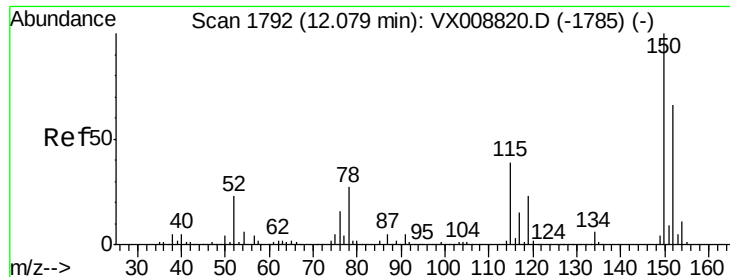


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX008885.D

Acq: 12 Apr 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

SA-SW125-20190409

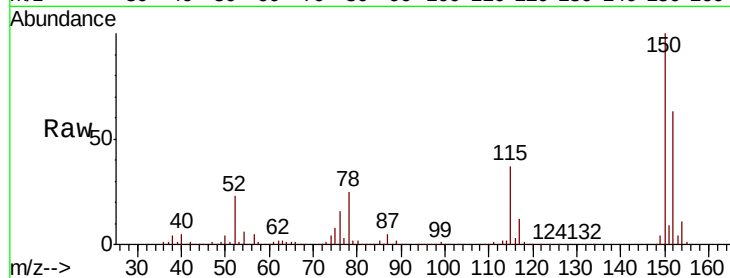
Tot Ion:152 Resp: 106777

Ion Ratio Lower Upper

152 100

115 58.6 43.5 130.5

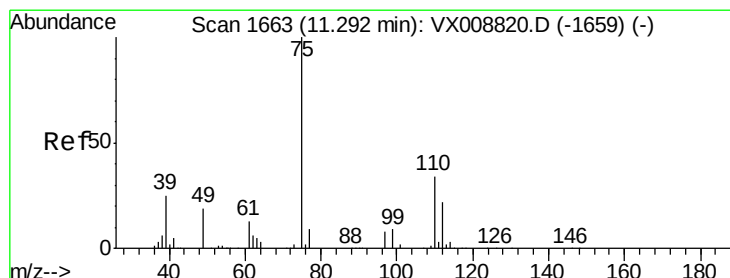
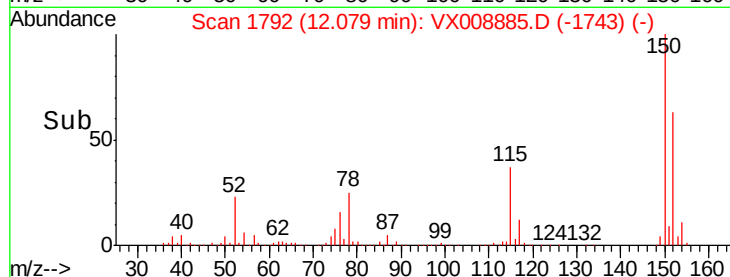
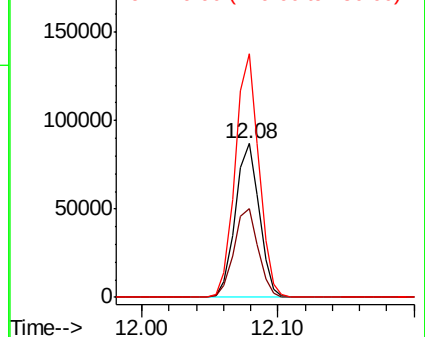
150 156.1 0.0 348.8



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: 21.465 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008885.D

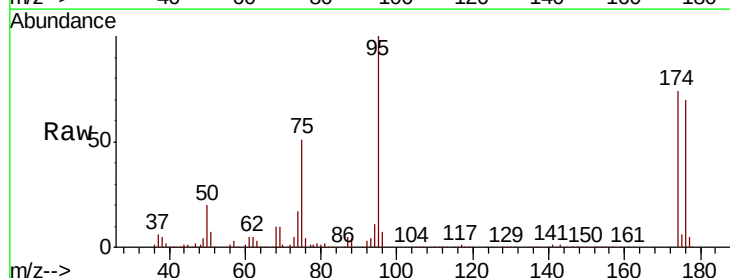
Acq: 12 Apr 2019 14:44

Tgt Ion: 75 Resp: 62962

Ion Ratio Lower Upper

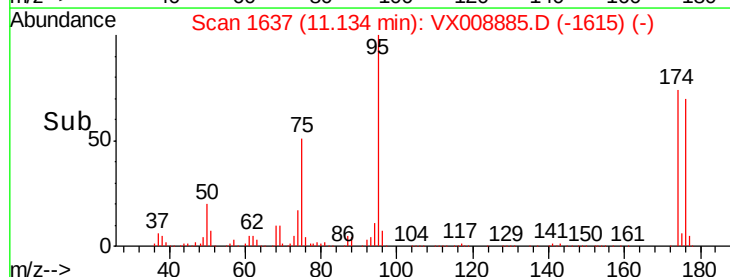
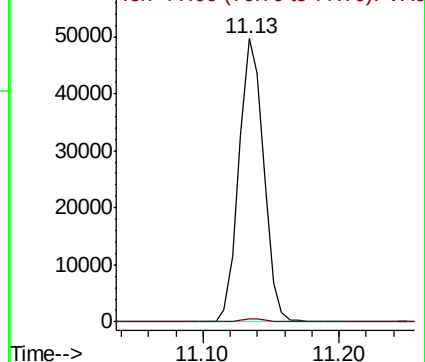
75 100

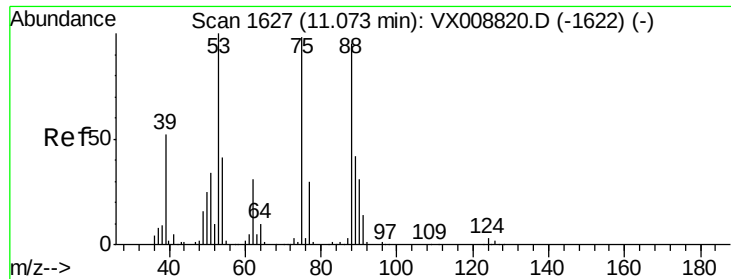
77 1.3 22.3 66.8#



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: 59.169 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008885.D

Acq: 12 Apr 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

SA-SW125-20190409

Tot Ion: 75 Resp: 62962

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#

