

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100119\
 Data File : VX012737.D
 Acq On : 01 Oct 2019 16:48
 Operator : JC/SP
 Sample : K5082-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW125-20190926

Quant Time: Oct 02 01:47:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	156814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	268674	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	222418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	75598	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	110638	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
35) Dibromofluoromethane	5.49	113	81727	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
50) Toluene-d8	8.71	98	316295	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
62) 4-Bromofluorobenzene	11.14	95	98945	40.84	ug/l	0.00
Spiked Amount			Recovery	=	81.68%	

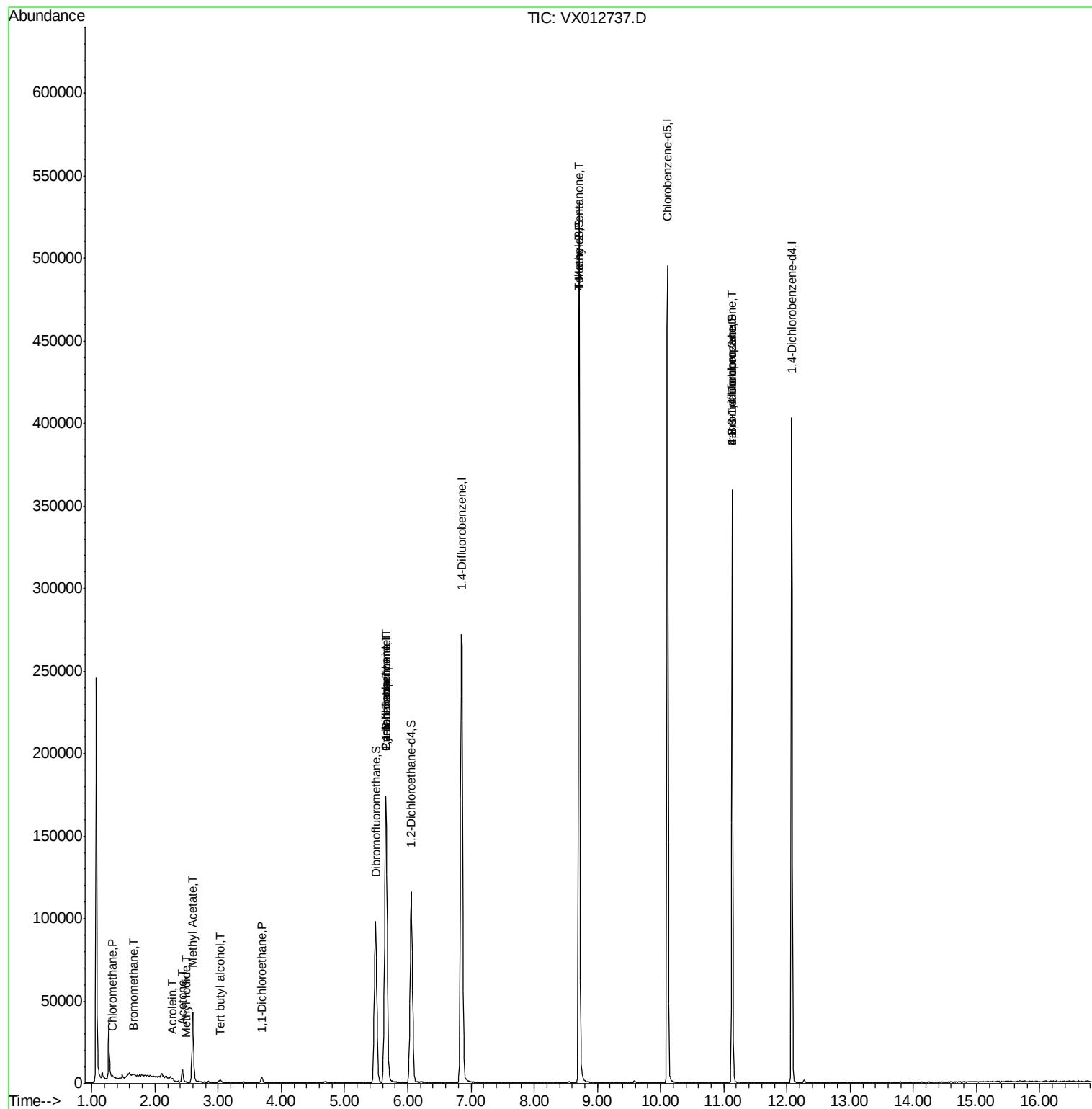
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	446	0.220	ug/l	91
5) Bromomethane	1.66	94	433	0.547	ug/l #	69
10) Methyl Iodide	2.50	142	100	5.003	ug/l #	35
11) Tert butyl alcohol	3.03	59	1842	3.229	ug/l #	86
13) Acrolein	2.28	56	211	10.870	ug/l #	74
16) Acetone	2.43	43	9129	7.548	ug/l	99
18) Methyl Acetate	2.59	43	11926	4.187	ug/l #	54
24) 1,1-Dichloroethane	3.69	63	3404	0.969	ug/l	98
31) Cyclohexane	5.65	56	3599	1.132	ug/l #	7
36) 1,1-Dichloropropene	5.65	75	13092	5.055	ug/l #	52
38) Carbon Tetrachloride	5.65	117	16782	6.379	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1567	0.501	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	49818	24.912	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	49818	71.392	ug/l #	8

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

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QLast Update : Mon Sep 23 12:27:01 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: VX012737.D

Acq: 01 Oct 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

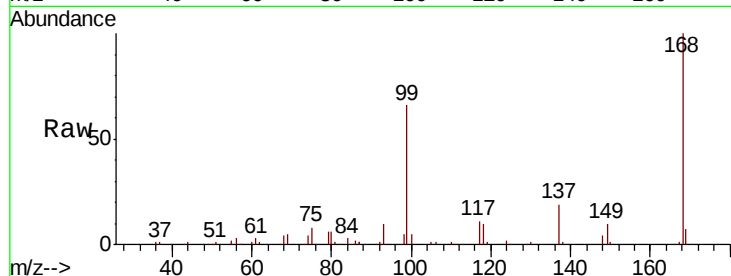
SA-SW125-20190926

Tot Ion:168 Resp: 156814

Ion Ratio Lower Upper

168 100

99 65.8 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

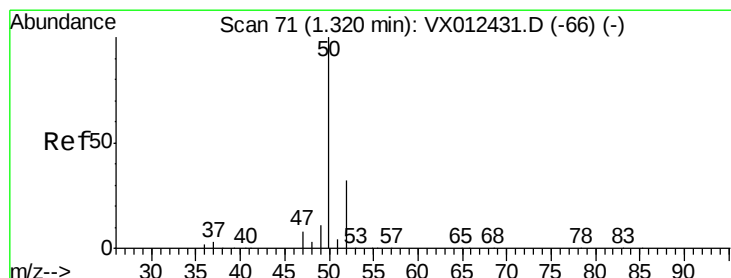
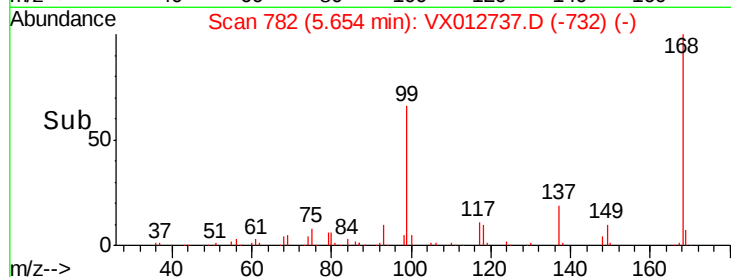
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.220 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012737.D

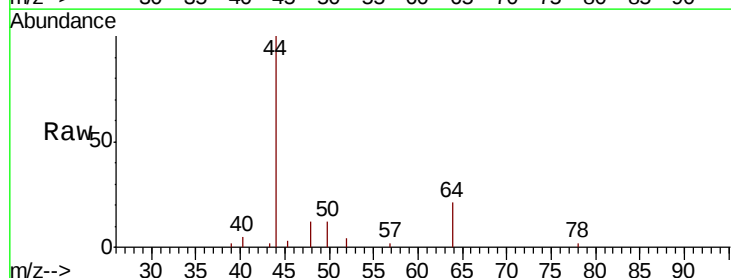
Acq: 01 Oct 2019 16:48

Tgt Ion: 50 Resp: 446

Ion Ratio Lower Upper

50 100

52 37.2 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

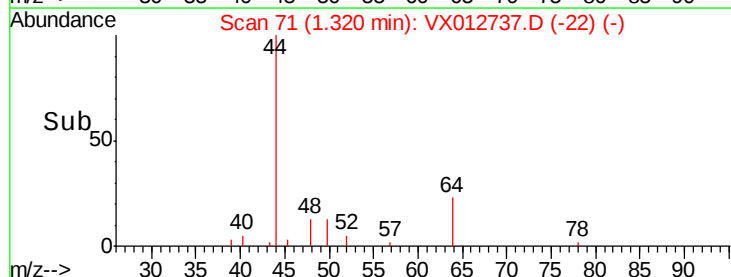
600

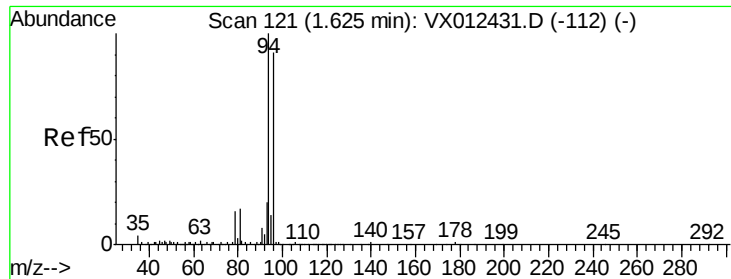
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.547 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.03 min

Lab File: VX012737.D

Acq: 01 Oct 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

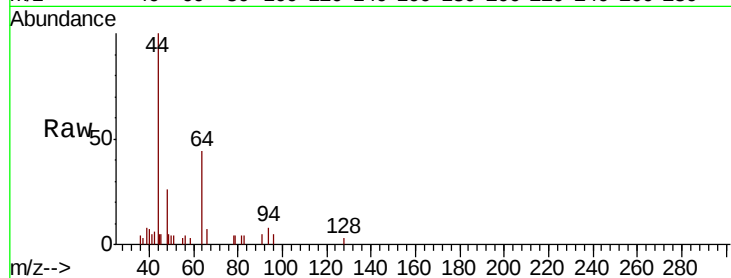
SA-SW125-20190926

Tot Ion: 94 Resp: 433

Ion Ratio Lower Upper

94 100

96 61.4 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

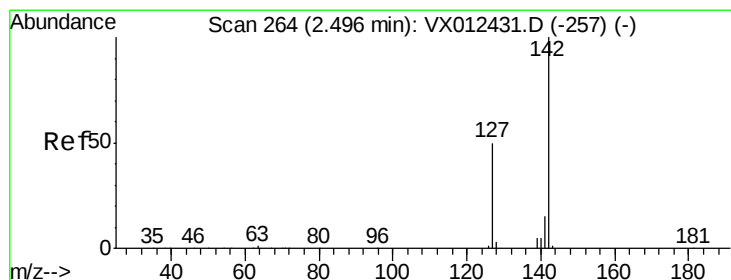
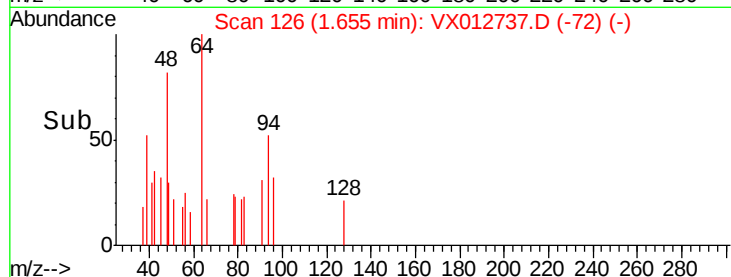
150

100

50

0

Time-->



#10

Methyl Iodide

Concen: 5.003 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012737.D

Acq: 01 Oct 2019 16:48

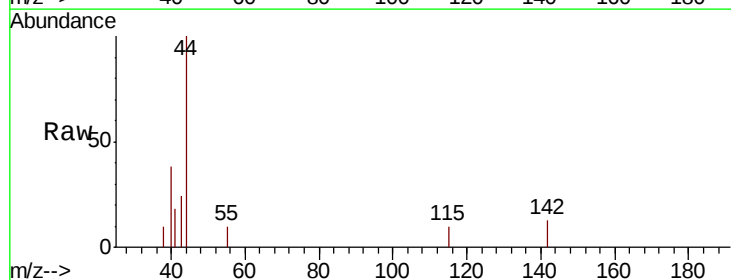
Tgt Ion: 142 Resp: 100

Ion Ratio Lower Upper

142 100

127 0.0 40.8 61.2#

141 0.0 12.1 18.1#



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

2.50

80

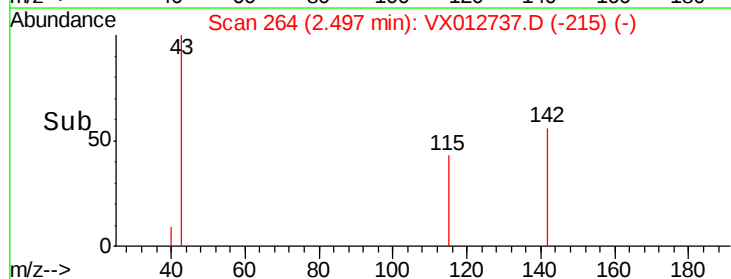
60

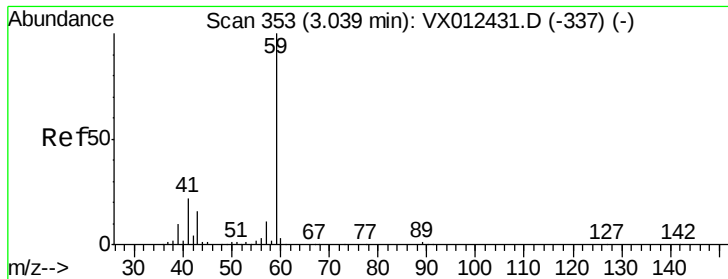
40

20

0

Time-->



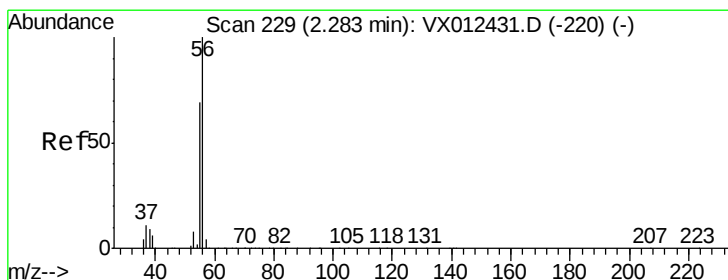
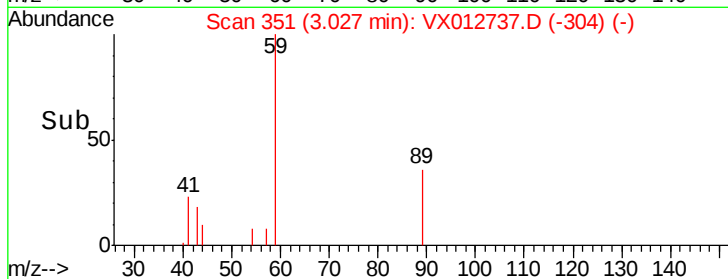
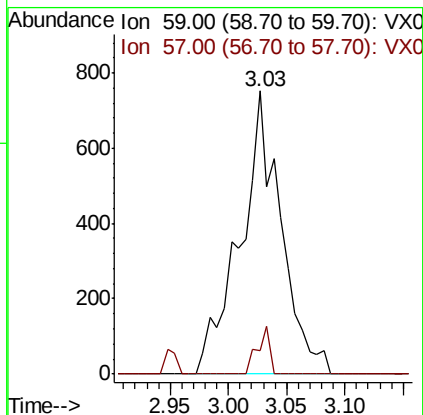
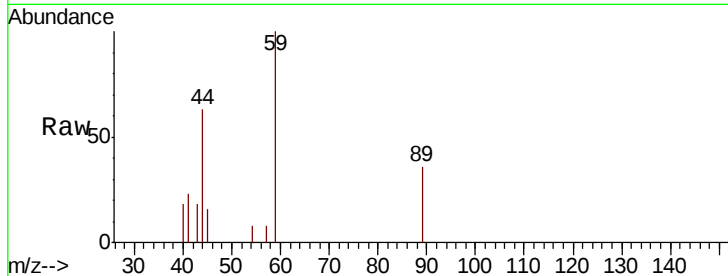


#11

Tert butyl alcohol
 Concen: 3.229 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX012737.D
 Acq: 01 Oct 2019 16:48

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW125-20190926

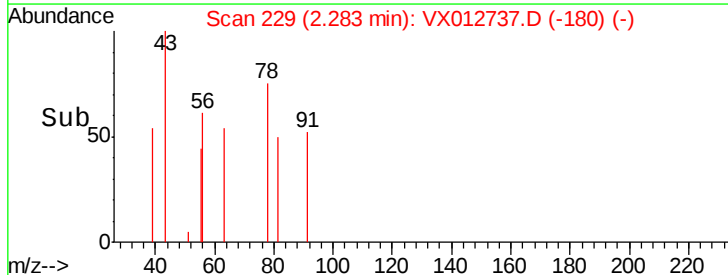
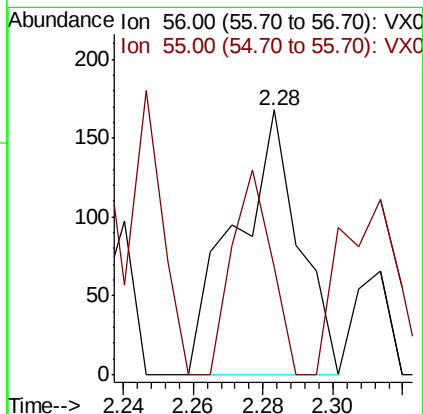
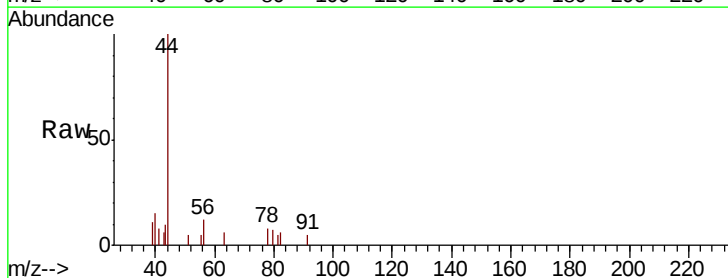
Tot Ion: 59 Resp: 1842
 Ion Ratio Lower Upper
 59 100
 57 5.0 8.3 12.5#

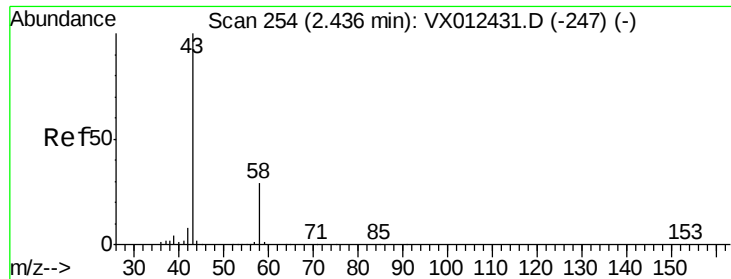


#13

Acrolein
 Concen: 10.870 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX012737.D
 Acq: 01 Oct 2019 16:48

Tgt Ion: 56 Resp: 211
 Ion Ratio Lower Upper
 56 100
 55 48.3 55.8 83.8#





#16

Acetone

Concen: 7.548 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012737.D

Acq: 01 Oct 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

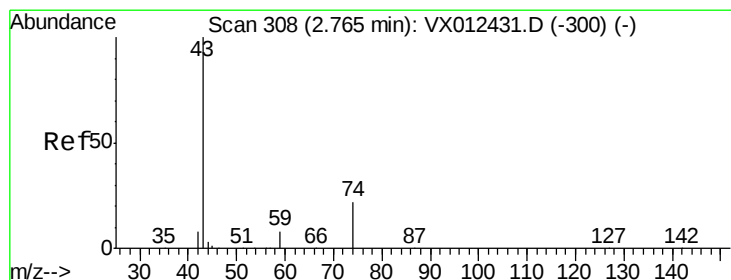
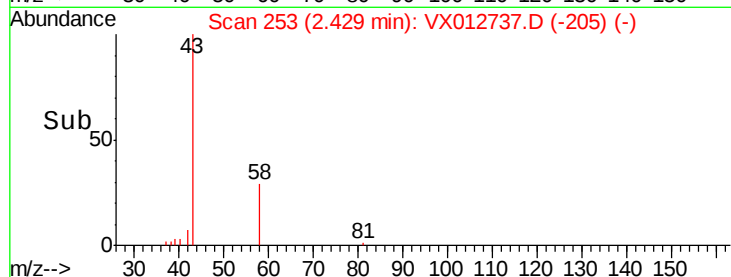
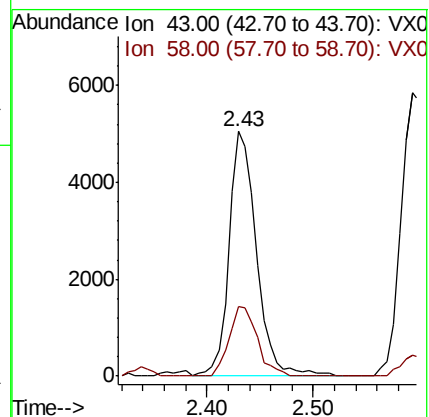
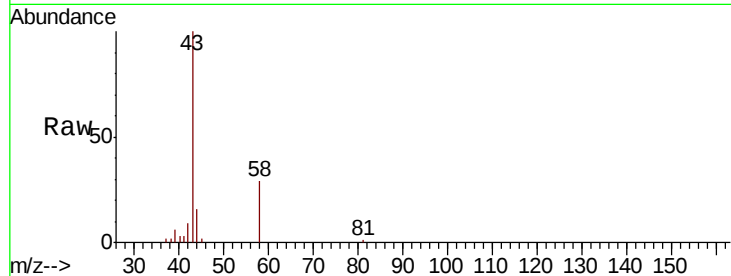
SA-SW125-20190926

Tot Ion: 43 Resp: 9129

Ion Ratio Lower Upper

43 100

58 28.6 23.3 34.9



#18

Methyl Acetate

Concen: 4.187 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012737.D

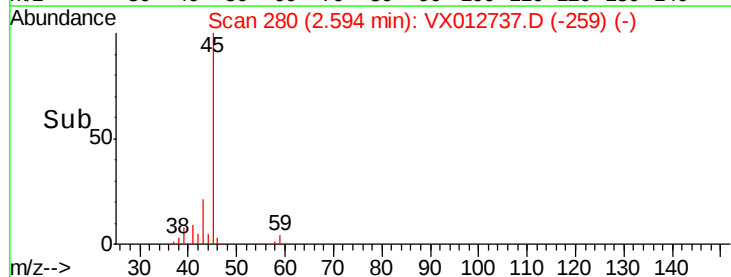
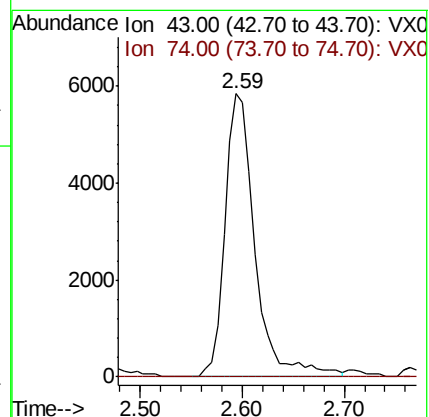
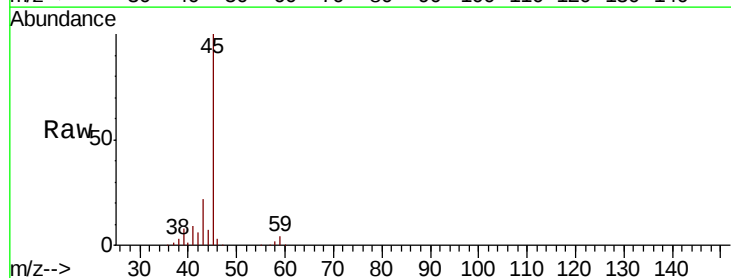
Acq: 01 Oct 2019 16:48

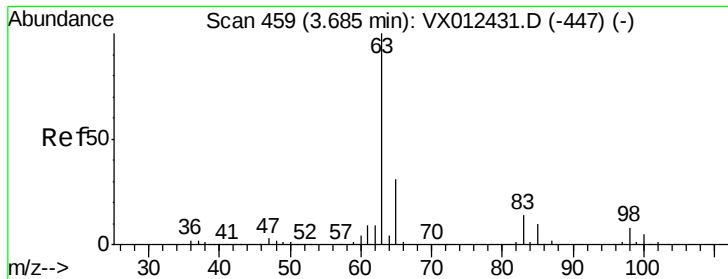
Tgt Ion: 43 Resp: 11926

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#





#24

1,1-Dichloroethane

Concen: 0.969 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX012737.D

Acq: 01 Oct 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

SA-SW125-20190926

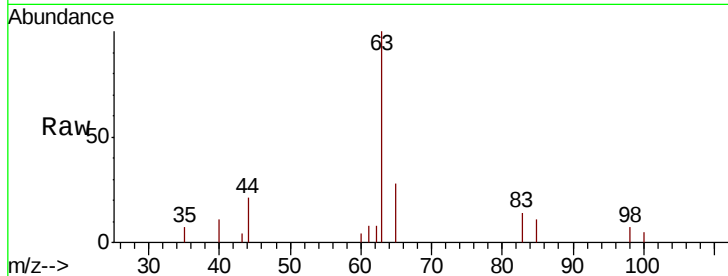
Tot Ion: 63 Resp: 3404

Ion Ratio Lower Upper

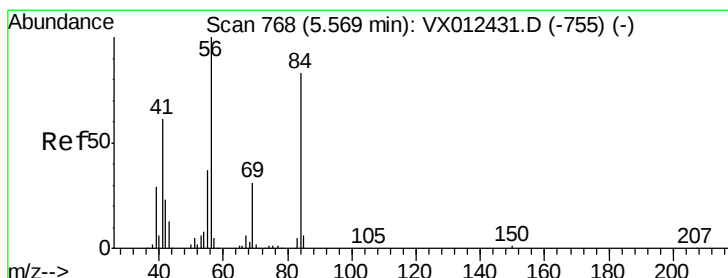
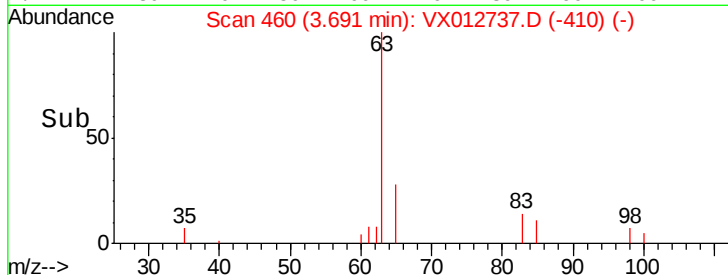
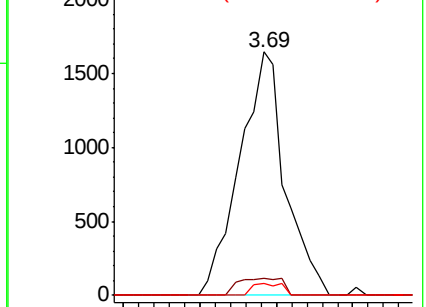
63 100

98 6.9 3.9 11.7

100 4.8 2.3 6.9



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



#31

Cyclohexane

Concen: 1.132 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012737.D

Acq: 01 Oct 2019 16:48

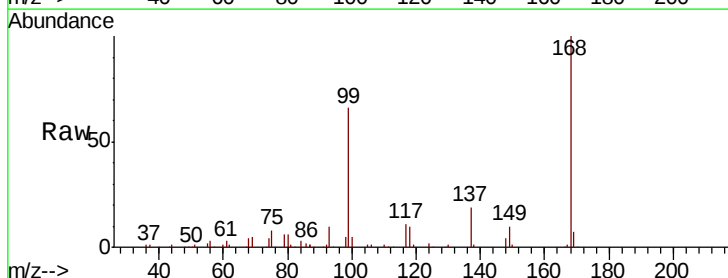
Tgt Ion: 56 Resp: 3599

Ion Ratio Lower Upper

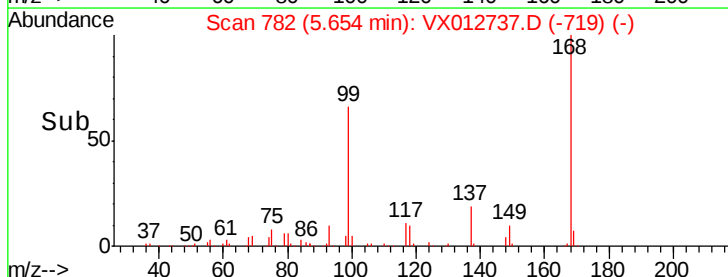
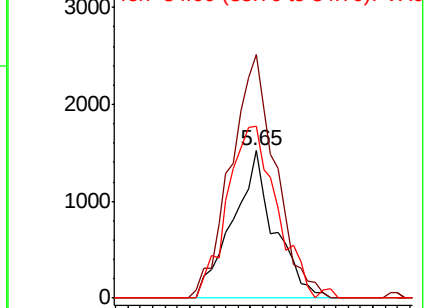
56 100

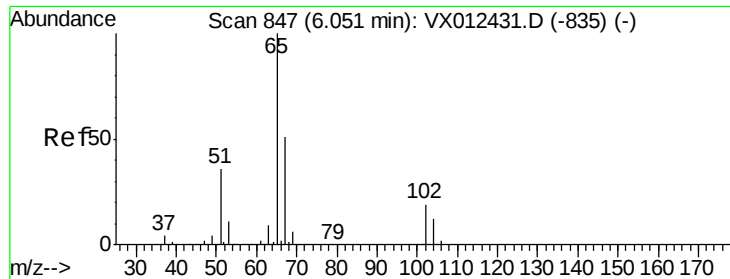
69 165.1 25.0 37.6#

84 116.4 66.4 99.6#



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

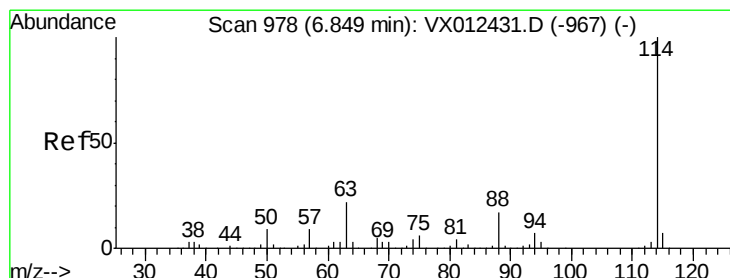
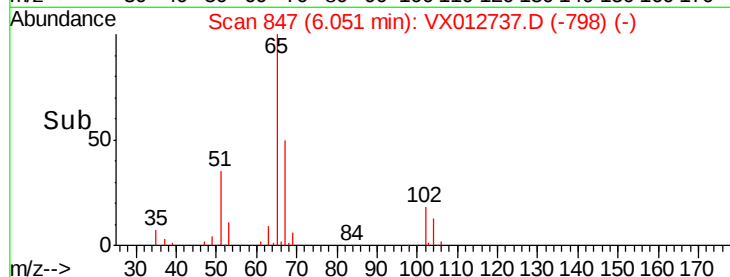
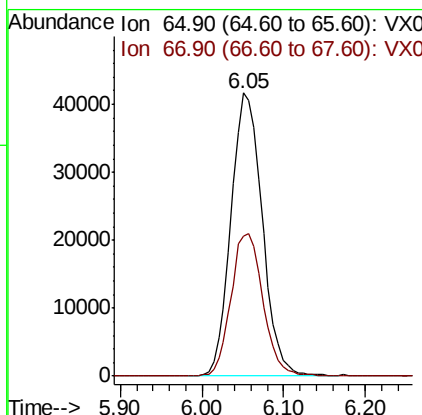
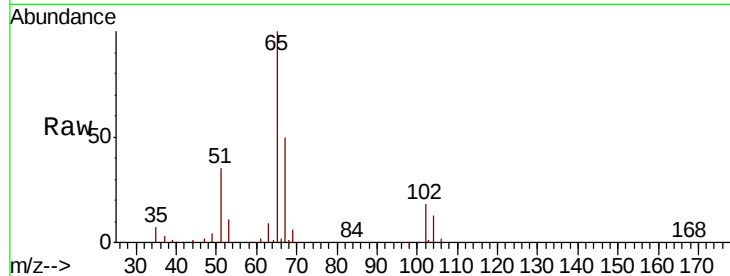




#33
 1,2-Dichloroethane-d4
 Concen: 48.451 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012737.D
 Acq: 01 Oct 2019 16:48

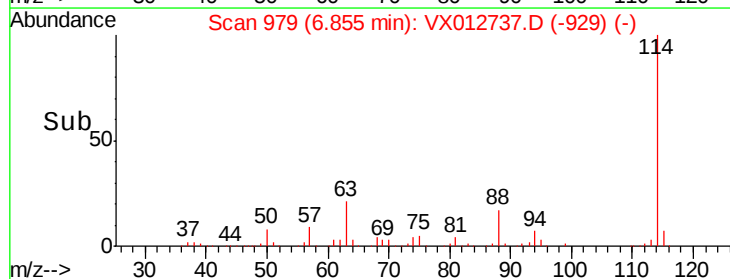
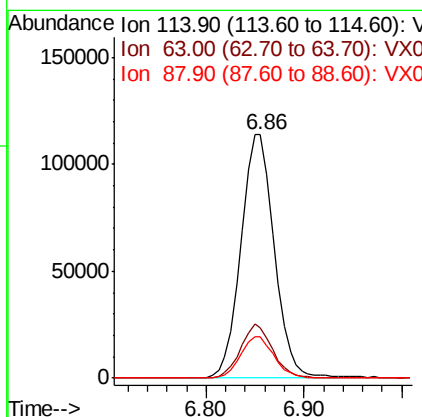
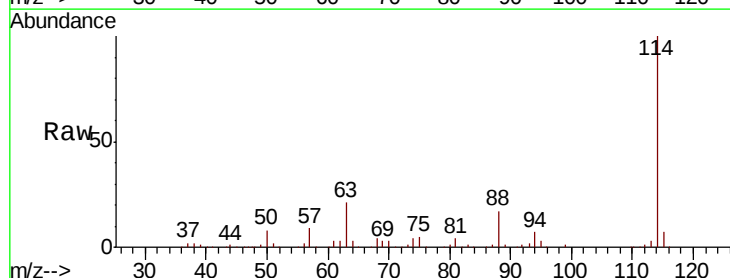
Instrument :
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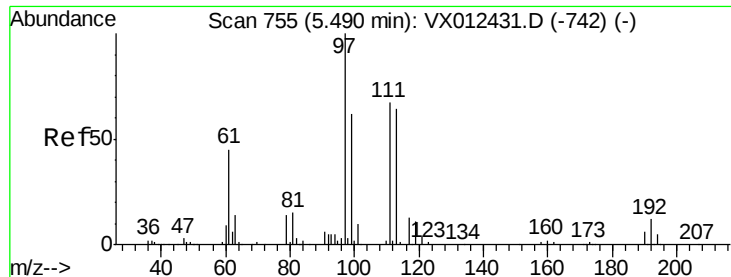
Tot Ion: 65 Resp: 110638
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX012737.D
 Acq: 01 Oct 2019 16:48

Tgt Ion: 114 Resp: 268674
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.2
 88 16.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.077 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012737.D

Acq: 01 Oct 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

SA-SW125-20190926

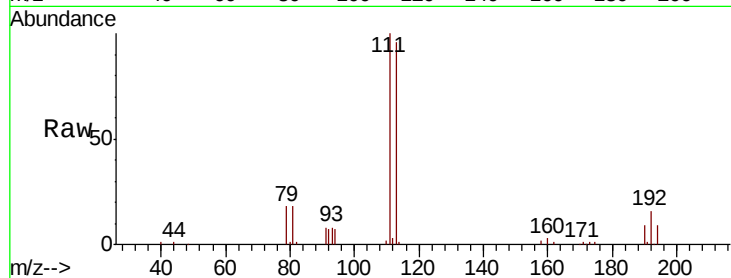
Tot Ion:113 Resp: 81727

Ion Ratio Lower Upper

113 100

111 105.0 83.4 125.2

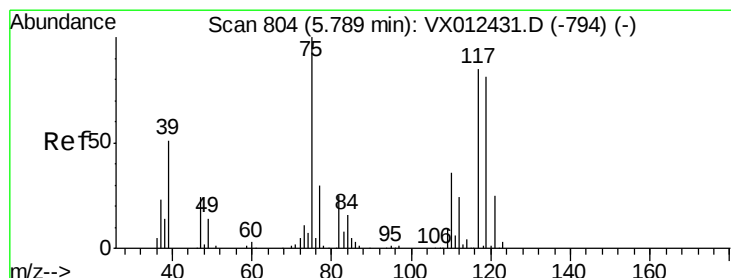
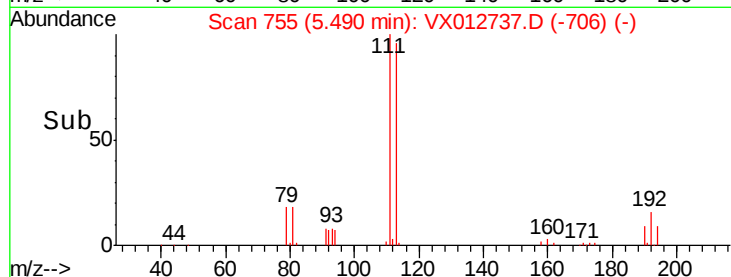
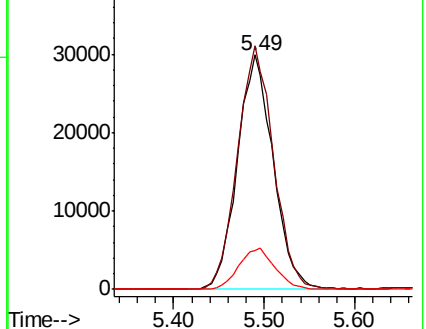
192 17.7 14.4 21.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.055 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012737.D

Acq: 01 Oct 2019 16:48

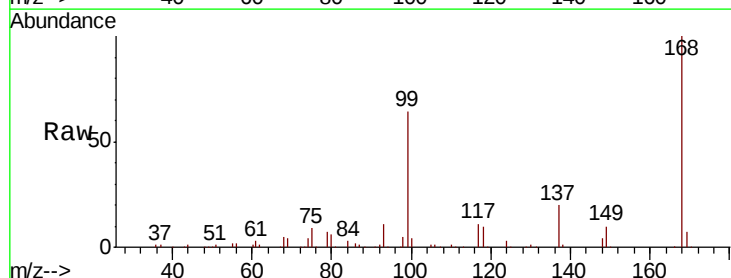
Tgt Ion: 75 Resp: 13092

Ion Ratio Lower Upper

75 100

110 9.6 16.7 50.0#

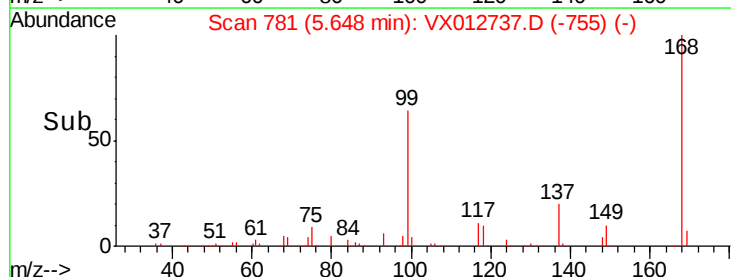
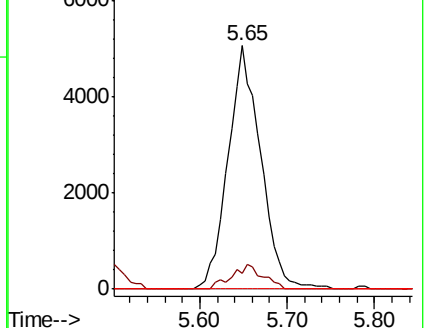
77 0.0 24.2 36.2#

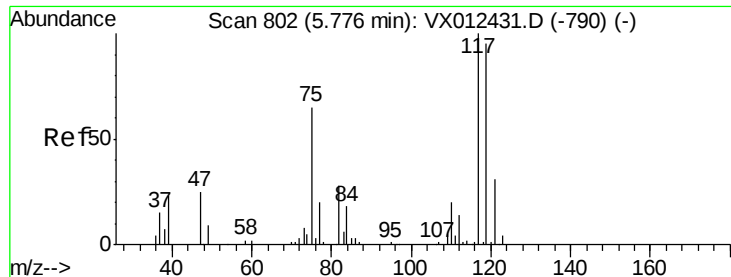


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.379 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012737.D

Acq: 01 Oct 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

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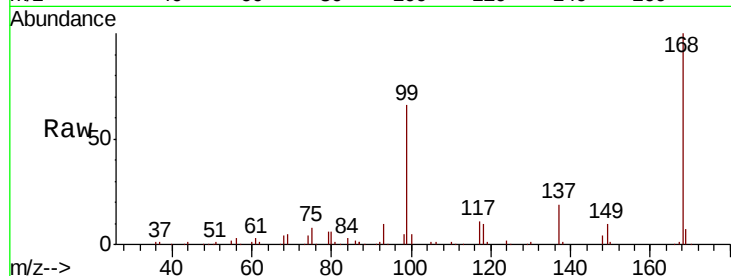
Tot Ion:117 Resp: 16782

Ion Ratio Lower Upper

117 100

119 5.1 75.7 113.5#

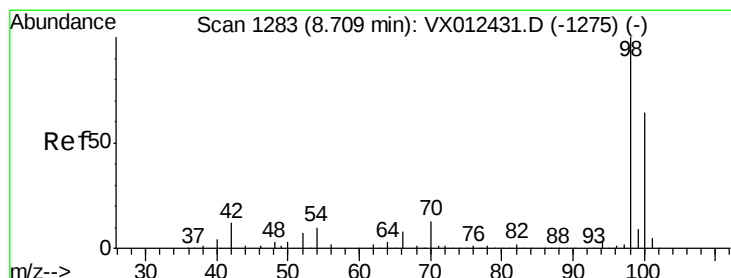
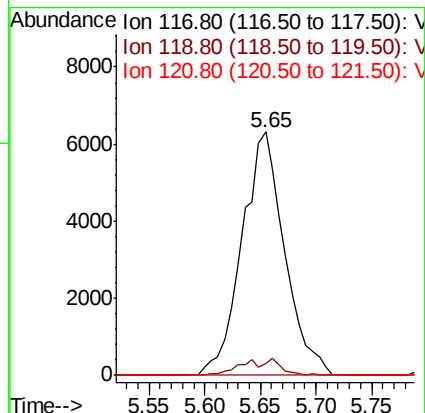
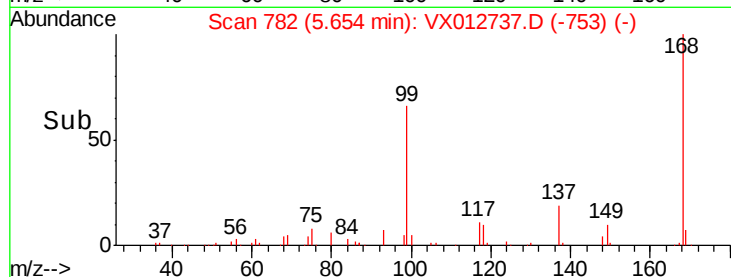
121 0.0 24.2 36.4#



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: 51.330 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012737.D

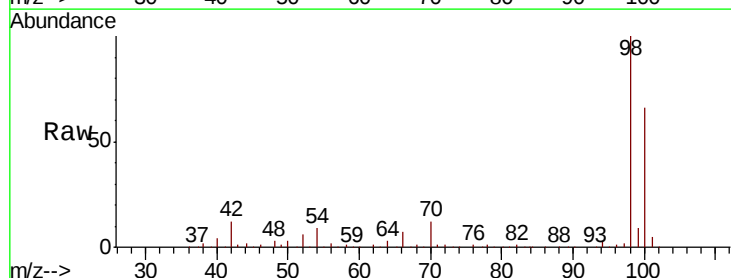
Acq: 01 Oct 2019 16:48

Tgt Ion: 98 Resp: 316295

Ion Ratio Lower Upper

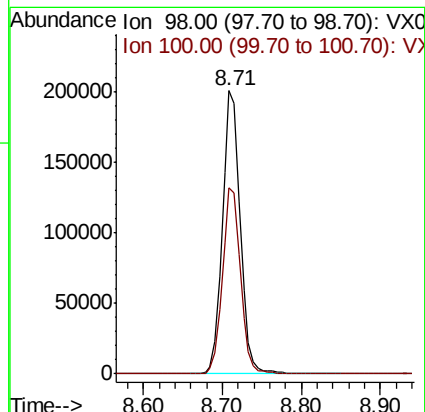
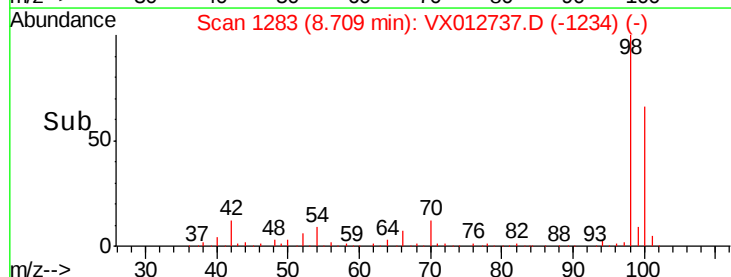
98 100

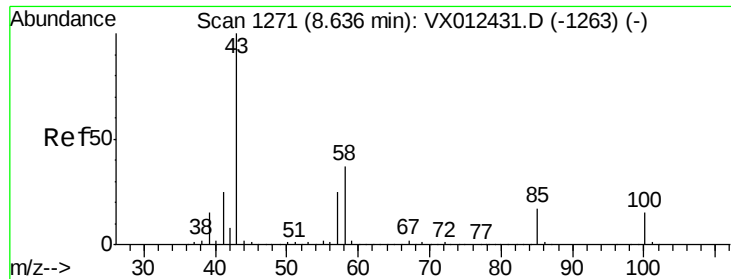
100 66.3 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.501 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012737.D

Acq: 01 Oct 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

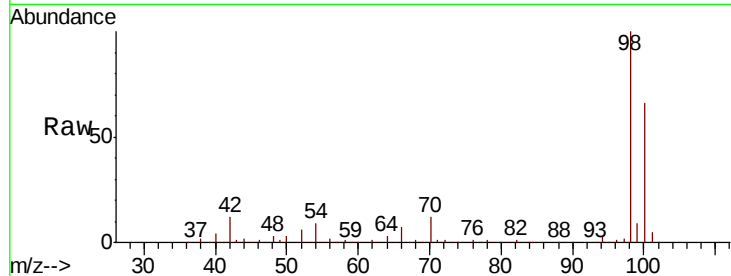
SA-SW125-20190926

Tot Ion: 43 Resp: 1567

Ion Ratio Lower Upper

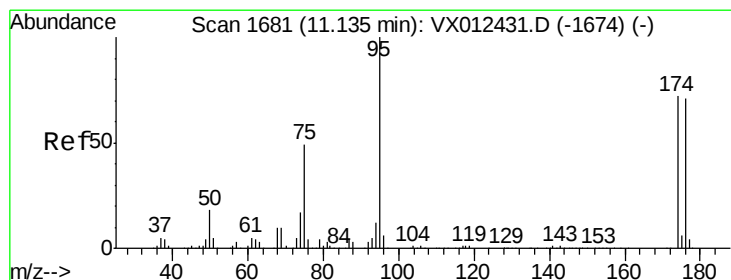
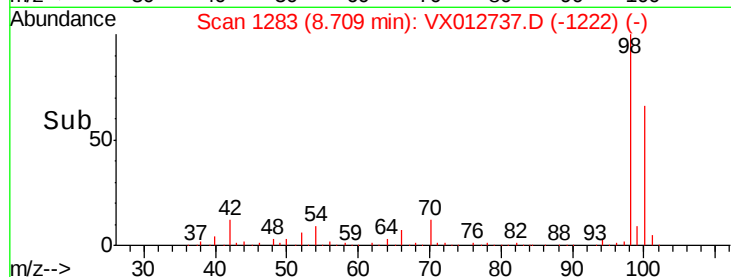
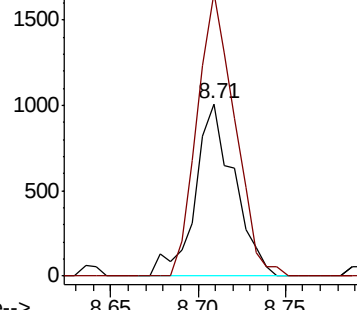
43 100

58 158.1 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 40.837 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012737.D

Acq: 01 Oct 2019 16:48

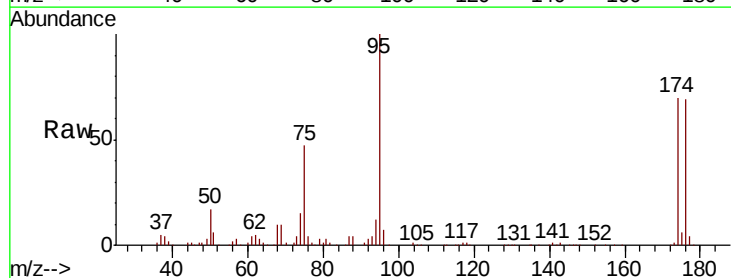
Tgt Ion: 95 Resp: 98945

Ion Ratio Lower Upper

95 100

174 69.1 0.0 140.0

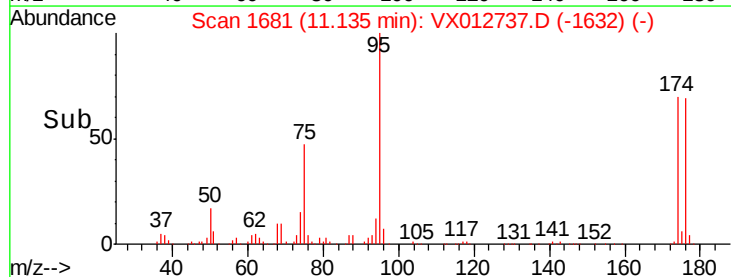
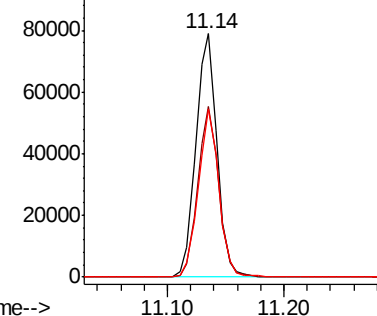
176 67.2 0.0 135.4

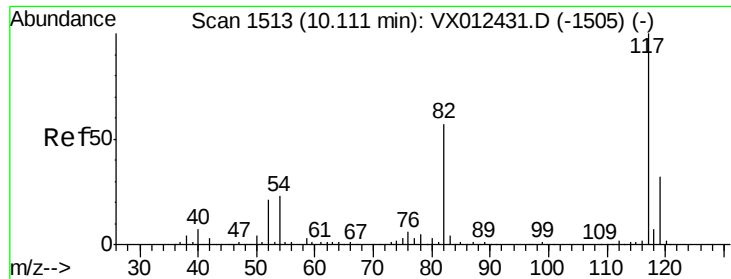


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

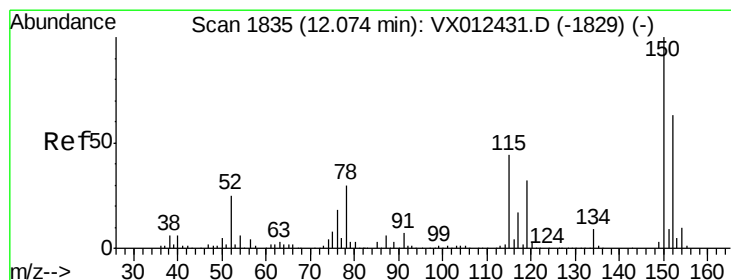
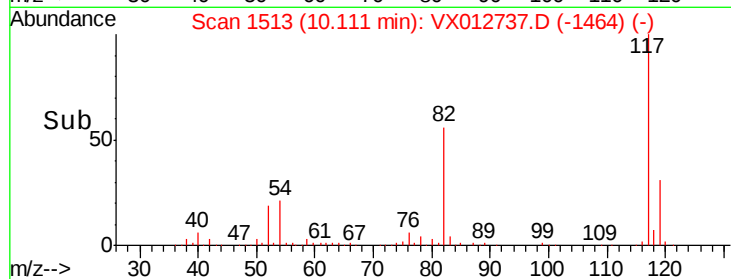
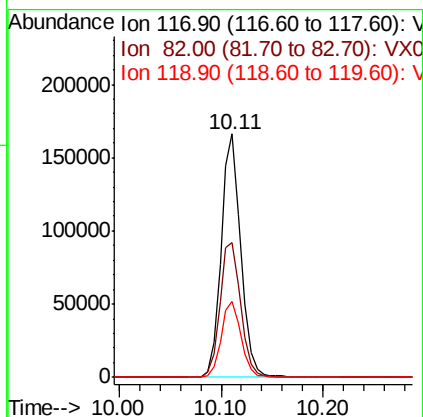
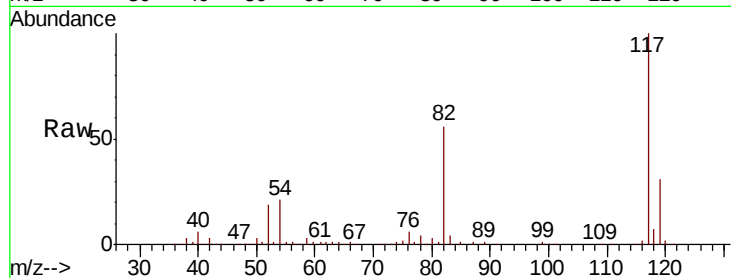




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012737.D
Acq: 01 Oct 2019 16:48

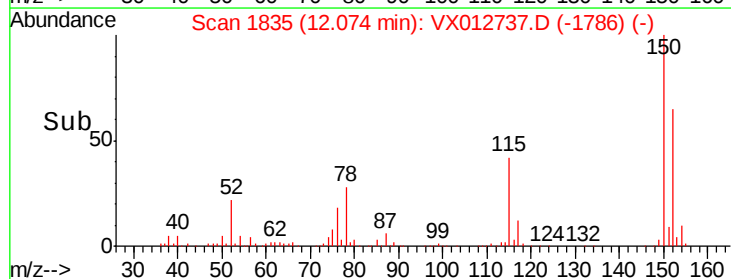
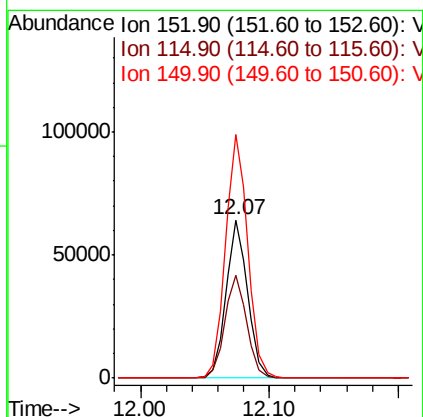
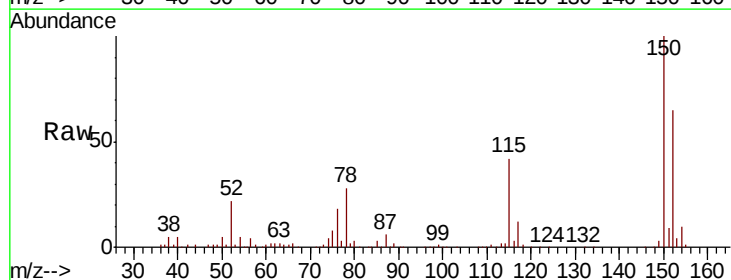
Instrument :
MSVOA_X
ClientSampleId :
SA-SW125-20190926

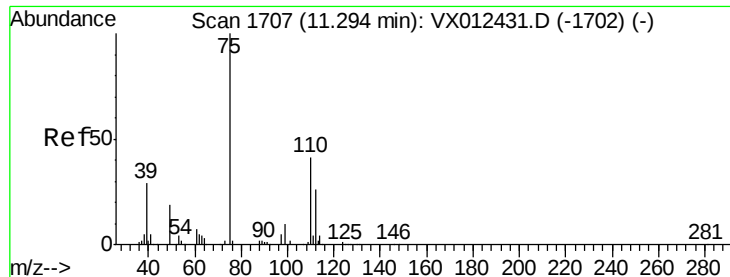
Tot Ion:117 Resp: 222418
Ion Ratio Lower Upper
117 100
82 55.5 45.9 68.9
119 31.4 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012737.D
Acq: 01 Oct 2019 16:48

Tgt Ion:152 Resp: 75598
Ion Ratio Lower Upper
152 100
115 66.0 44.1 132.3
150 159.0 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 24.912 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012737.D

Acq: 01 Oct 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

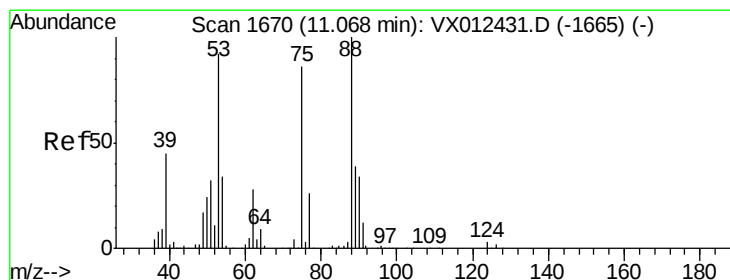
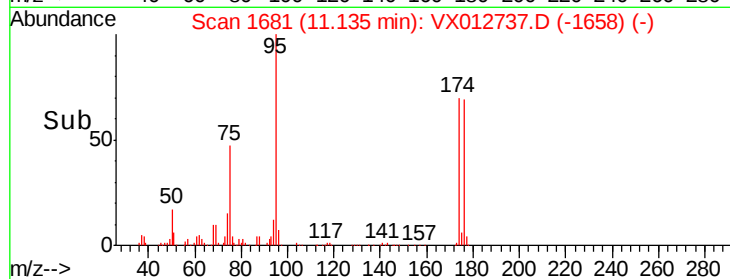
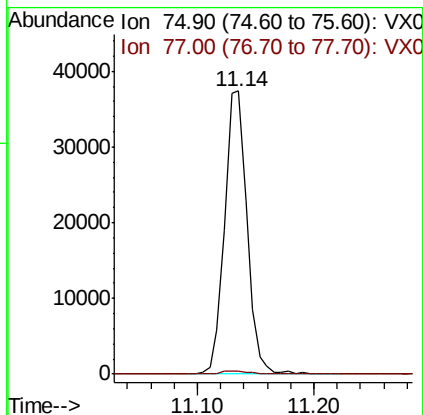
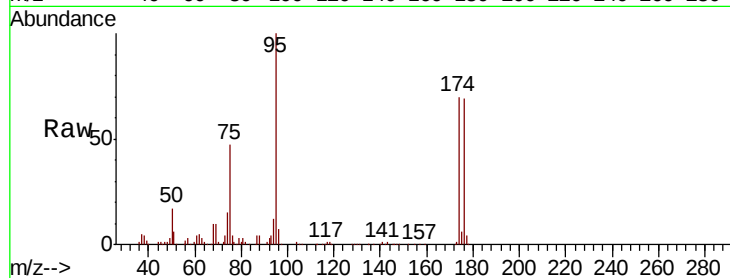
SA-SW125-20190926

Tot Ion: 75 Resp: 49818

Ion Ratio Lower Upper

75 100

77 1.3 19.7 59.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.392 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012737.D

Acq: 01 Oct 2019 16:48

Tgt Ion: 75 Resp: 49818

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#

