

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012913.D
 Acq On : 09 Oct 2019 01:35
 Operator : JC/SP
 Sample : K5190-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ15711-20191001

Quant Time: Oct 09 03:47:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	181117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	311436	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	267789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106875	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	118805	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
35) Dibromofluoromethane	5.48	113	90819	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
50) Toluene-d8	8.71	98	363718	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	
62) 4-Bromofluorobenzene	11.14	95	129074	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	

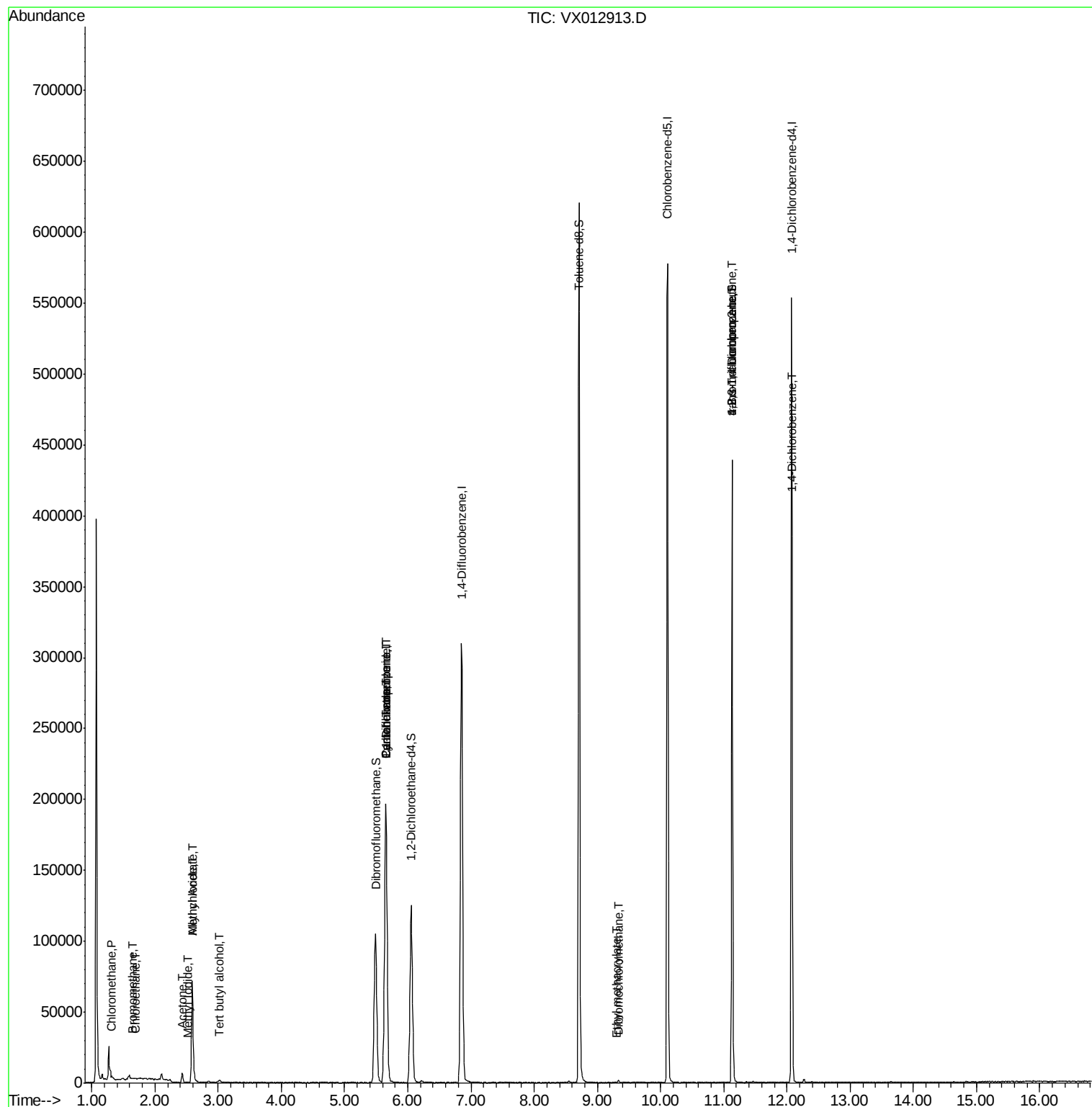
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1178	0.586	ug/l	99
5) Bromomethane	1.65	94	259	0.300	ug/l	95
6) Chloroethane	1.69	64	231	0.549	ug/l #	43
10) Methyl Iodide	2.51	142	124	5.136	ug/l #	40
11) Tert butyl alcohol	3.02	59	1652	2.753	ug/l #	72
14) Allyl chloride	2.59	41	7068	2.168	ug/l #	67
16) Acetone	2.43	43	6704	5.618	ug/l	91
18) Methyl Acetate	2.59	43	18779	6.640	ug/l #	51
31) Cyclohexane	5.66	56	3940	1.199	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15065	5.502	ug/l #	50
38) Carbon Tetrachloride	5.65	117	19004	7.131	ug/l #	16
56) Ethyl methacrylate	9.29	69	20	1.837	ug/l #	54
60) Dibromochloromethane	9.34	129	233	1.955	ug/l #	10
76) 1,2,3-Trichloropropane	11.13	75	64399	27.167	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	64399	68.237	ug/l #	10
88) 1,4-Dichlorobenzene	12.09	146	942	0.271	ug/l #	1

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX012913.D

Acq: 09 Oct 2019 01:35

Instrument :

MSVOA_X

ClientSampleId :

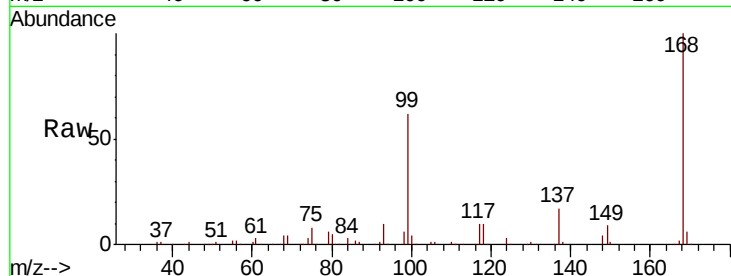
SA-PZ15711-20191001

Tot Ion:168 Resp: 181117

Ion Ratio Lower Upper

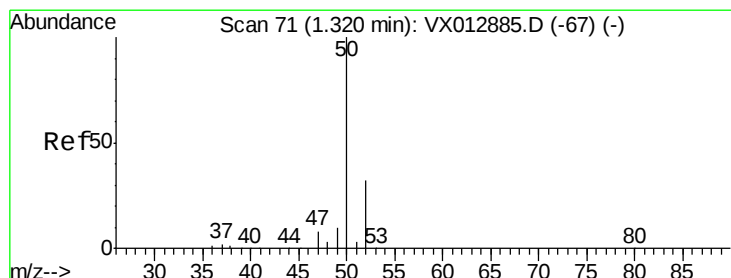
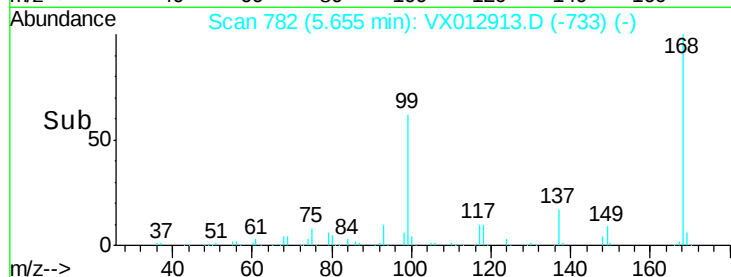
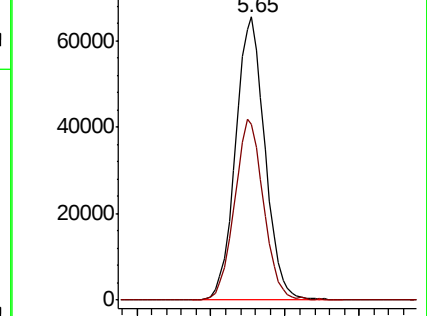
168 100

99 61.9 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.586 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012913.D

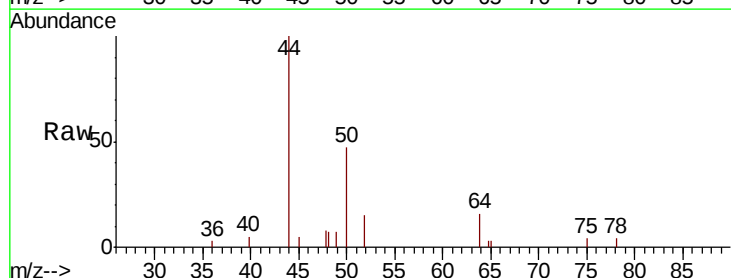
Acq: 09 Oct 2019 01:35

Tgt Ion: 50 Resp: 1178

Ion Ratio Lower Upper

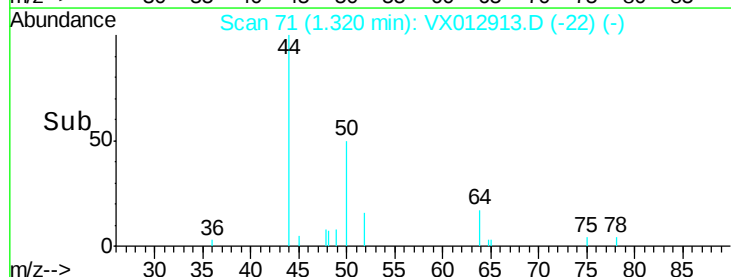
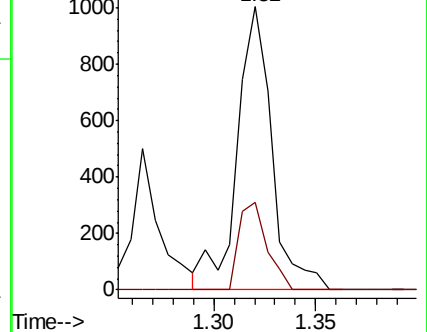
50 100

52 31.1 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.300 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012913.D

Acq: 09 Oct 2019 01:35

Instrument :

MSVOA_X

ClientSampleId :

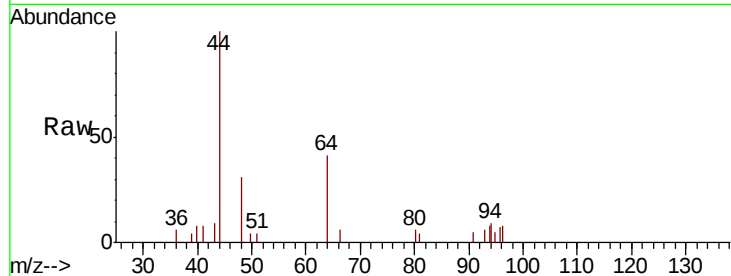
SA-PZ15711-20191001

Tot Ion: 94 Resp: 259

Ion Ratio Lower Upper

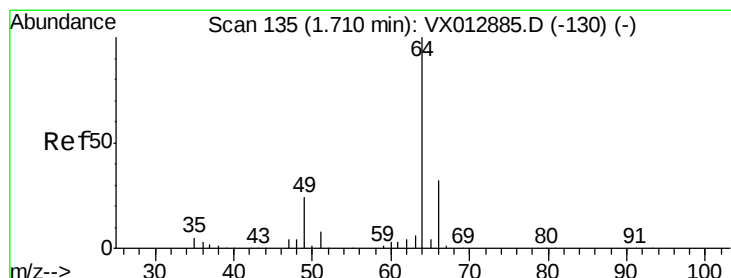
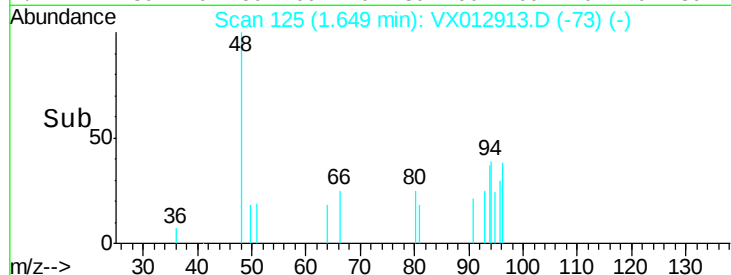
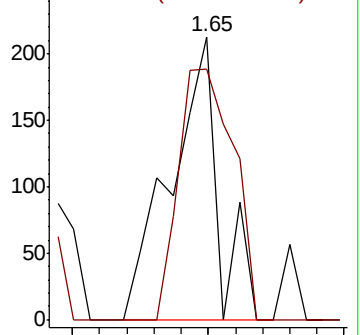
94 100

96 88.7 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.549 ug/l

RT: 1.69 min Scan# 132

Delta R.T. -0.02 min

Lab File: VX012913.D

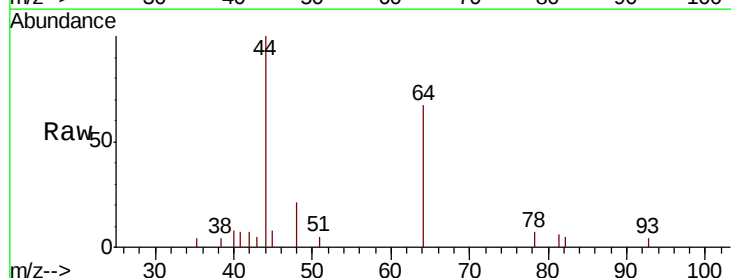
Acq: 09 Oct 2019 01:35

Tgt Ion: 64 Resp: 231

Ion Ratio Lower Upper

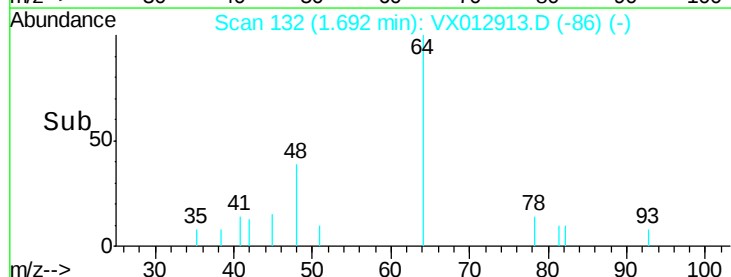
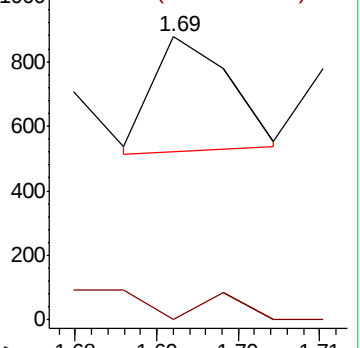
64 100

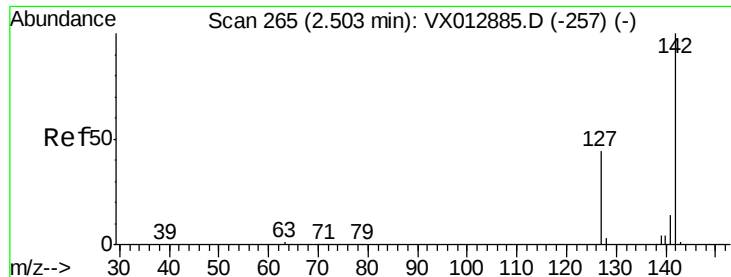
66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

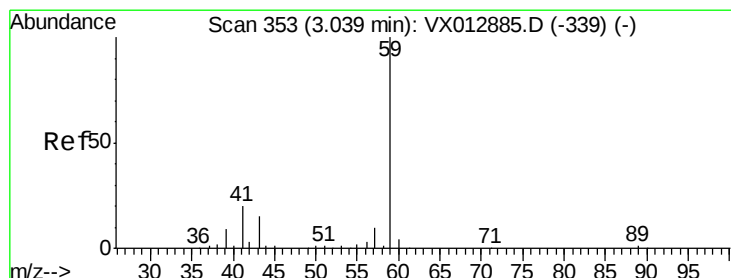
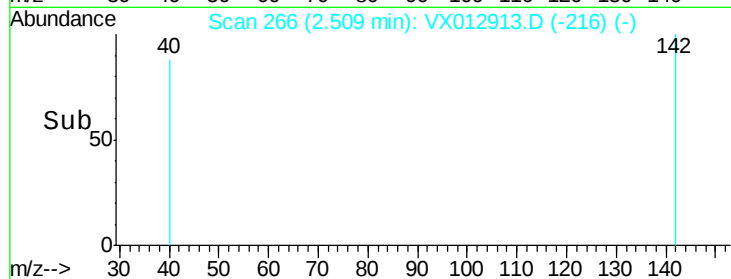
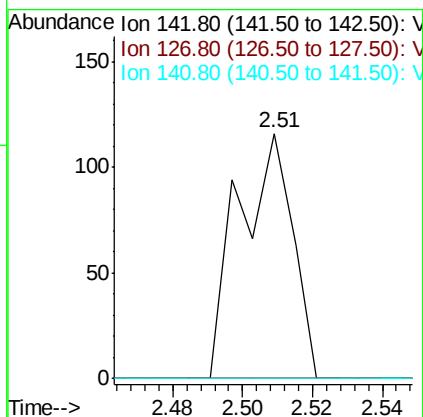
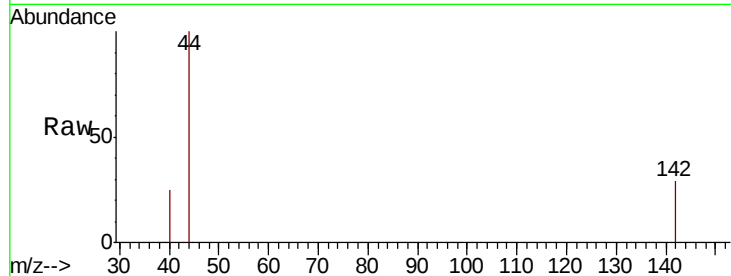




#10
Methvl Iodide
Concen: 5.136 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012913.D
Acq: 09 Oct 2019 01:35

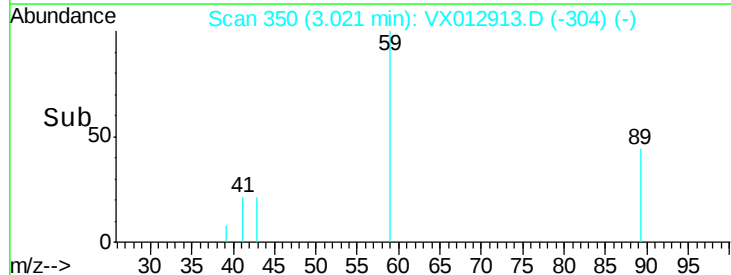
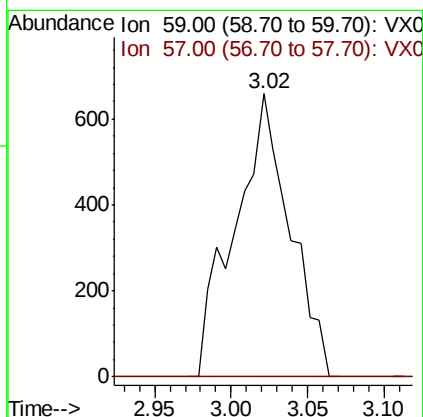
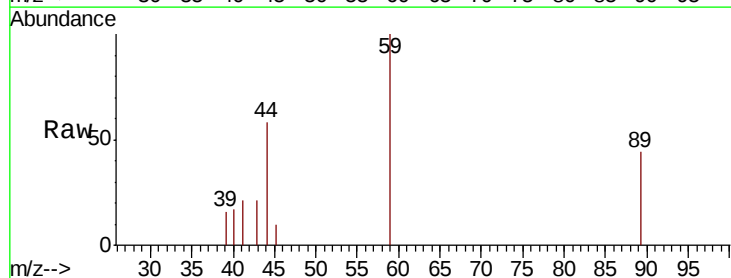
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ15711-20191001

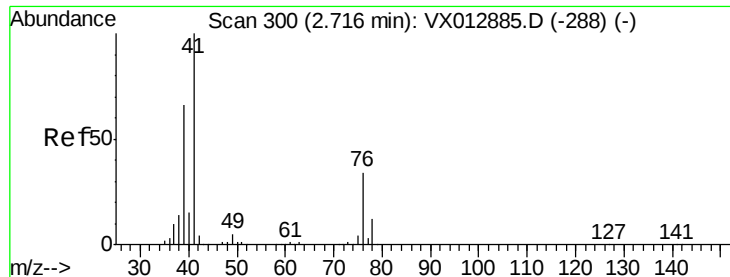
Tot Ion:142 Resp: 124
Ion Ratio Lower Upper
142 100
127 0.0 34.9 52.3#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 2.753 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX012913.D
Acq: 09 Oct 2019 01:35

Tgt Ion: 59 Resp: 1652
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#14

Allvl chloride

Concen: 2.168 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX012913.D

Acq: 09 Oct 2019 01:35

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ15711-20191001

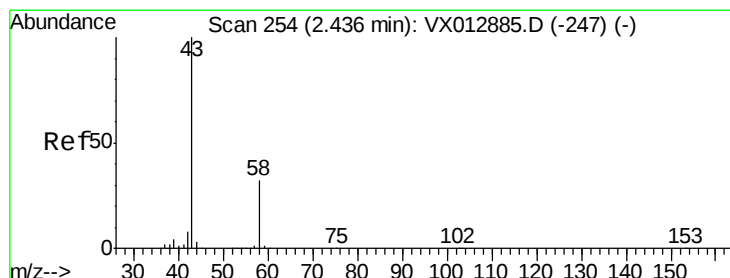
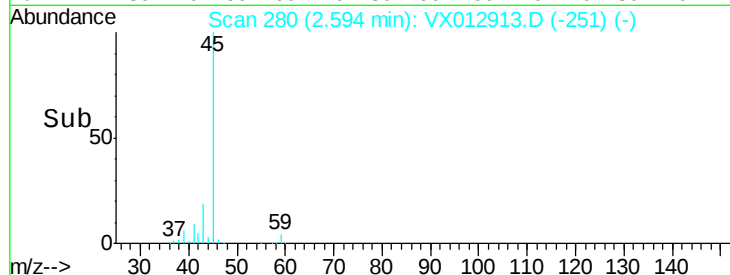
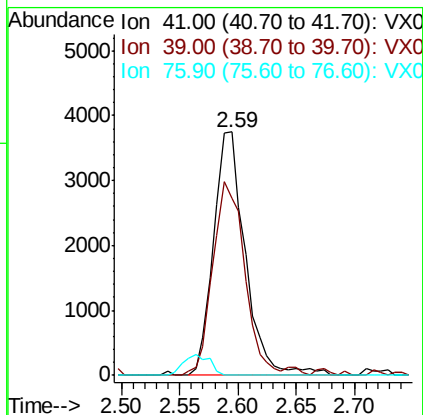
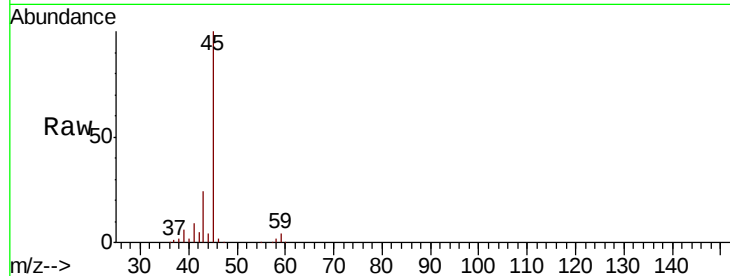
Tot Ion: 41 Resp: 7068

Ion Ratio Lower Upper

41 100

39 79.6 51.0 76.6#

76 0.0 26.2 39.4#



#16

Acetone

Concen: 5.618 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012913.D

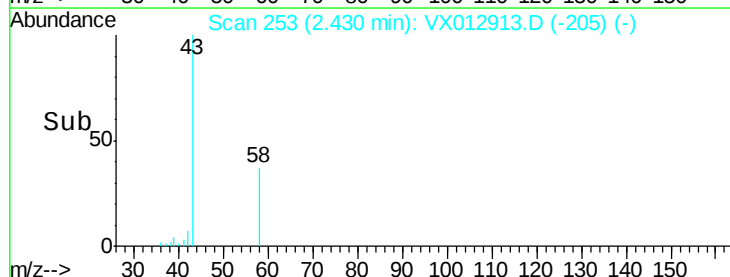
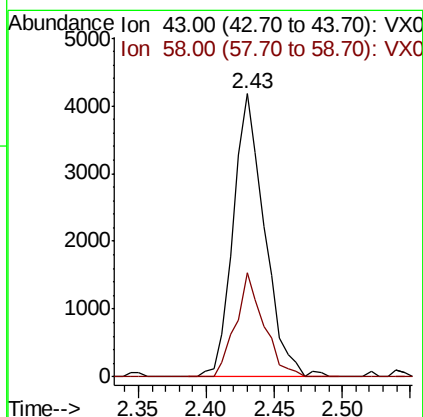
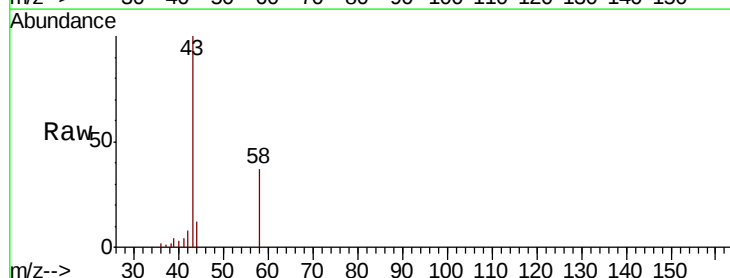
Acq: 09 Oct 2019 01:35

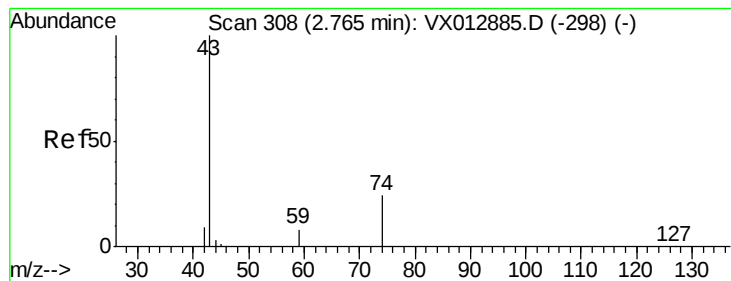
Tgt Ion: 43 Resp: 6704

Ion Ratio Lower Upper

43 100

58 36.7 25.4 38.2





#18

Methvl Acetate

Concen: 6.640 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012913.D

Acq: 09 Oct 2019 01:35

Instrument :

MSVOA_X

ClientSampleId :

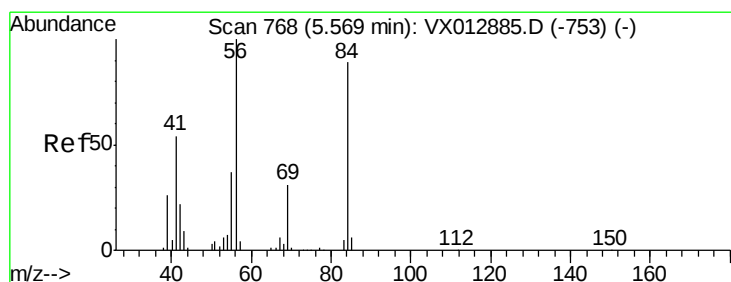
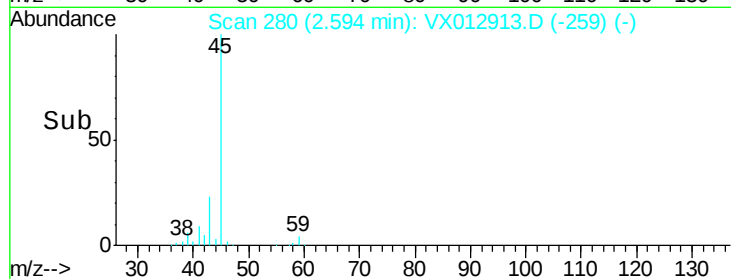
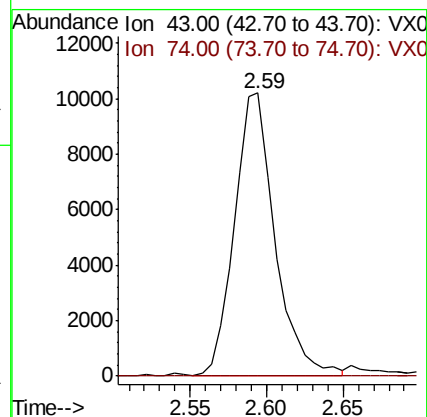
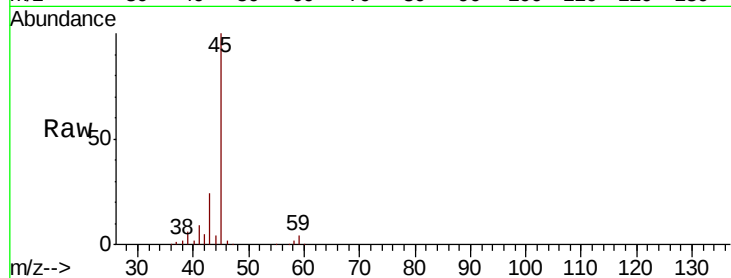
SA-PZ15711-20191001

Tot Ion: 43 Resp: 18779

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#



#31

Cyclohexane

Concen: 1.199 ug/l

RT: 5.66 min Scan# 783

Delta R.T. 0.09 min

Lab File: VX012913.D

Acq: 09 Oct 2019 01:35

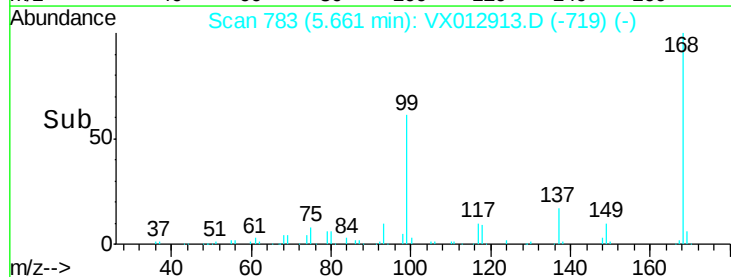
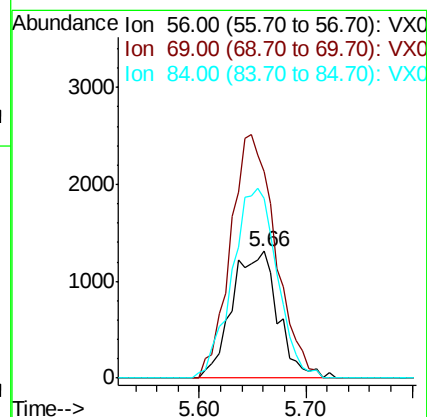
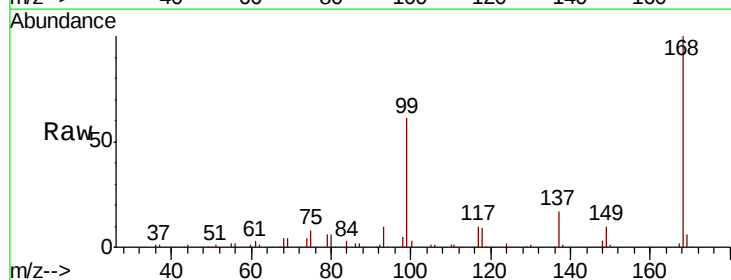
Tgt Ion: 56 Resp: 3940

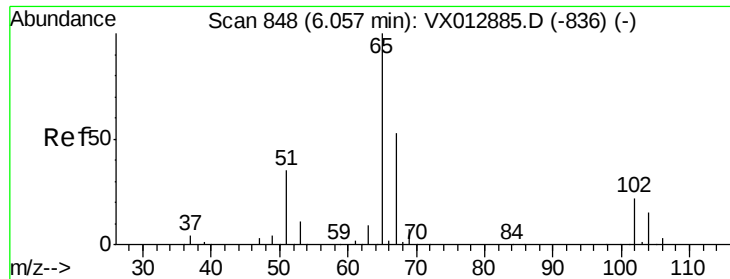
Ion Ratio Lower Upper

56 100

69 162.9 25.2 37.8#

84 141.3 71.3 106.9#





#33

1,2-Dichloroethane-d4

Concen: 52.482 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012913.D

Acq: 09 Oct 2019 01:35

Instrument :

MSVOA_X

ClientSampleId :

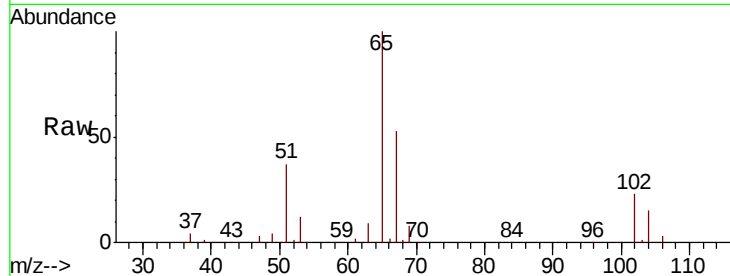
SA-PZ15711-20191001

Tot Ion: 65 Resp: 118805

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

50000

40000

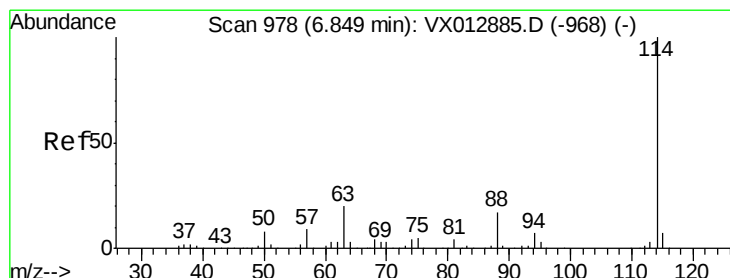
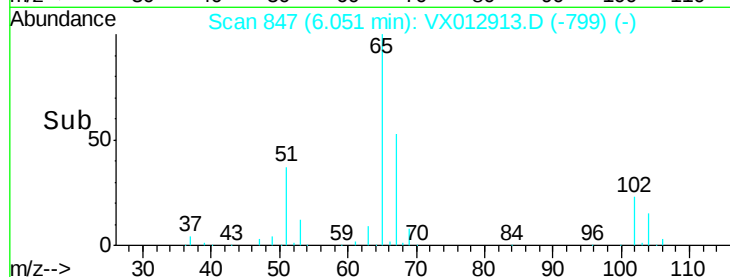
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012913.D

Acq: 09 Oct 2019 01:35

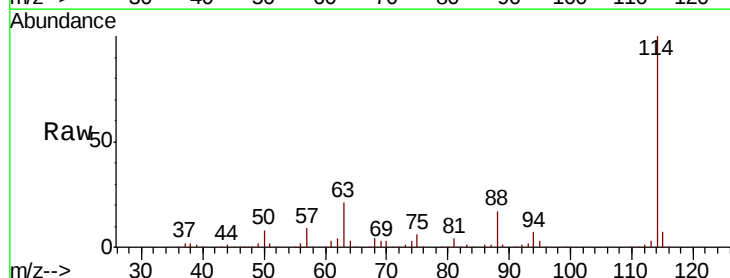
Tgt Ion: 114 Resp: 311436

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 17.3 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

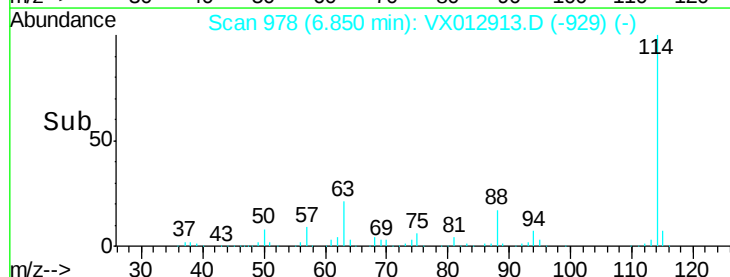
150000

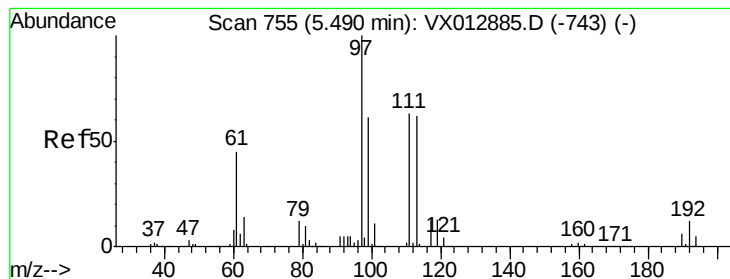
100000

50000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 50.808 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012913.D

Acq: 09 Oct 2019 01:35

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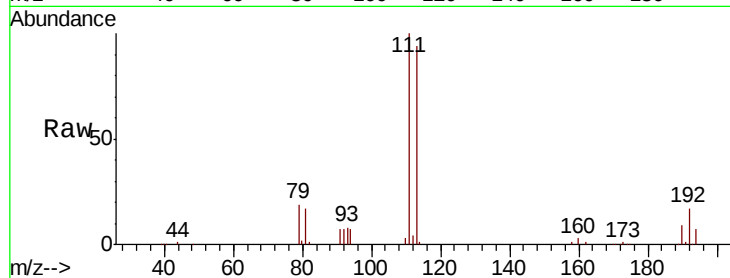
Tot Ion:113 Resp: 90819

Ion Ratio Lower Upper

113 100

111 105.3 83.2 124.8

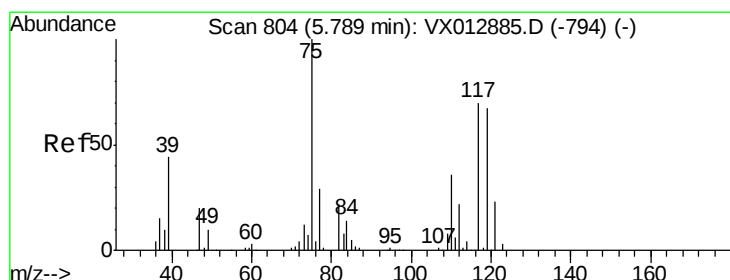
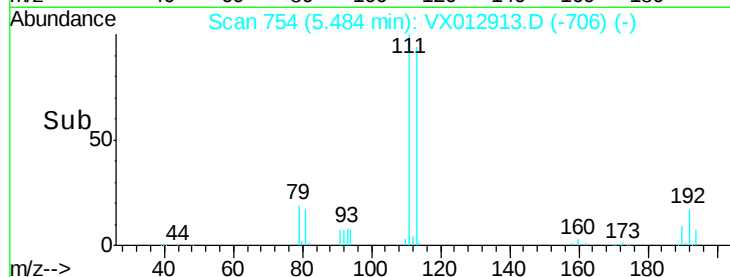
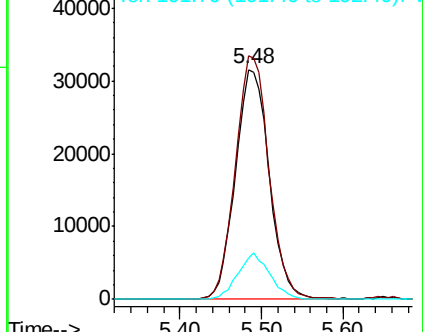
192 19.3 15.4 23.2



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: 5.502 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012913.D

Acq: 09 Oct 2019 01:35

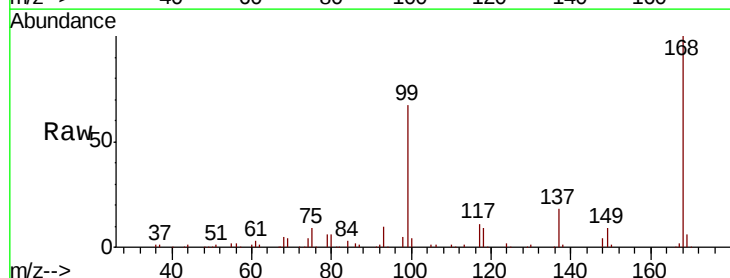
Tgt Ion: 75 Resp: 15065

Ion Ratio Lower Upper

75 100

110 8.8 17.6 52.9#

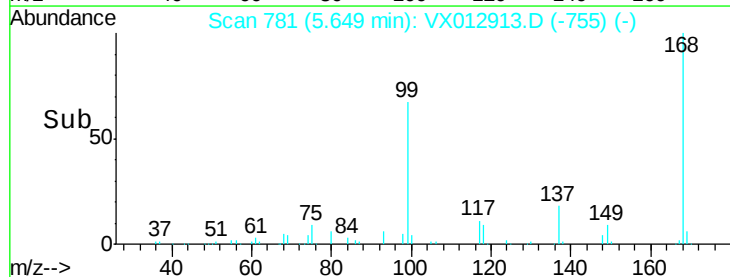
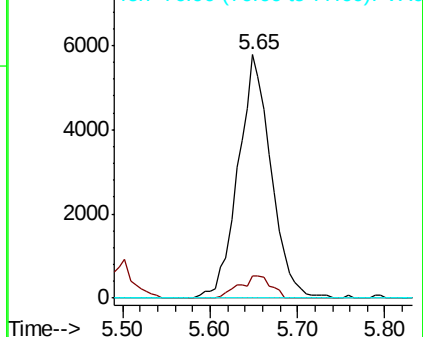
77 0.0 24.4 36.6#

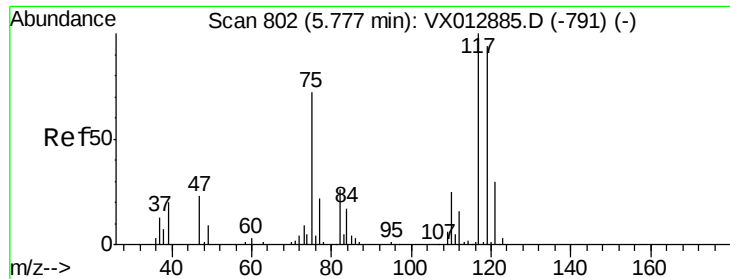


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

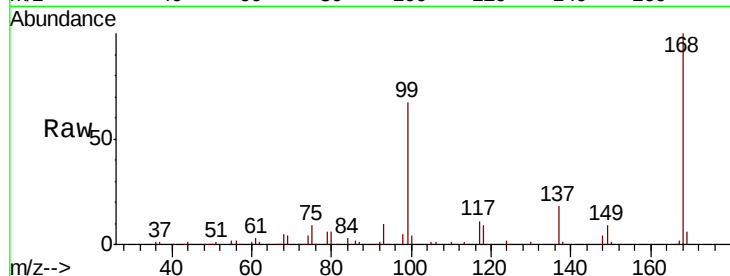




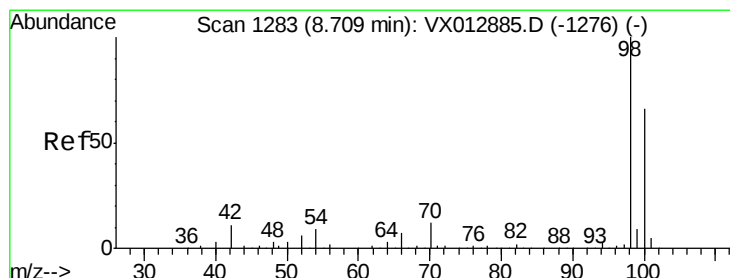
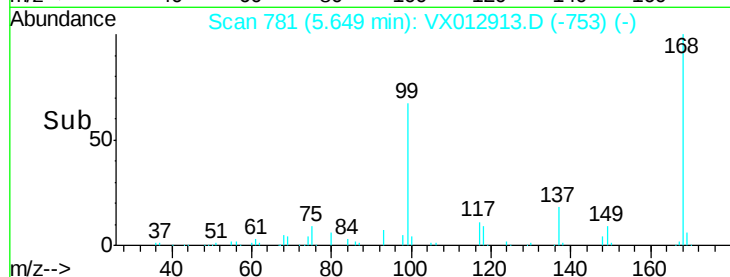
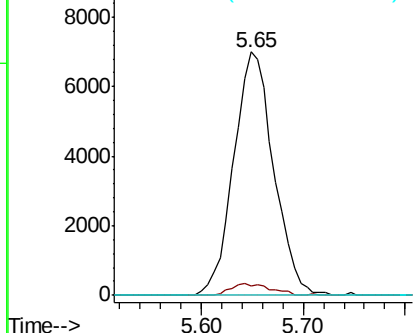
#38
Carbon Tetrachloride
Concen: 7.131 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012913.D
Acq: 09 Oct 2019 01:35

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ15711-20191001

Tot Ion:117 Resp: 19004
Ion Ratio Lower Upper
117 100
119 4.0 74.5 111.7#
121 0.0 24.2 36.4#

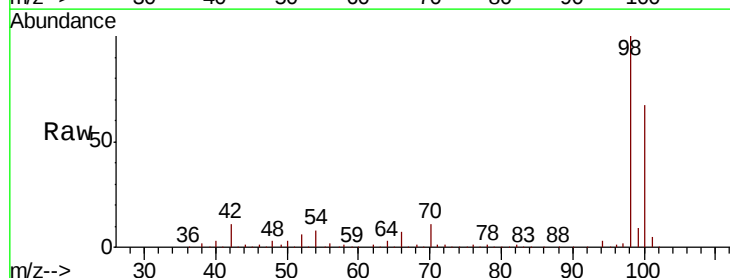


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

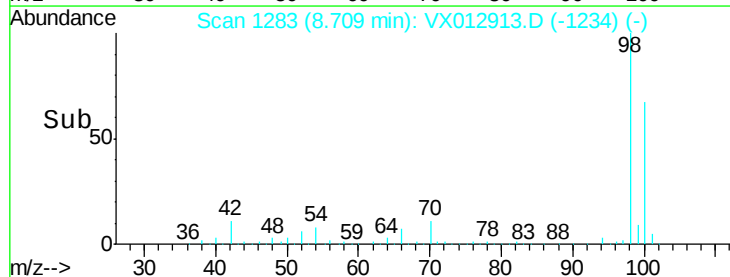
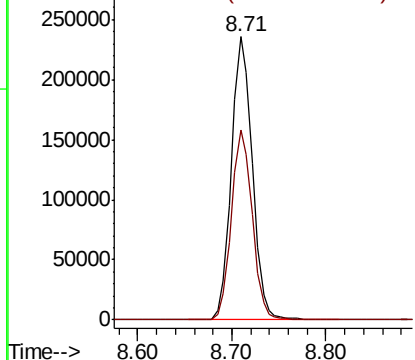


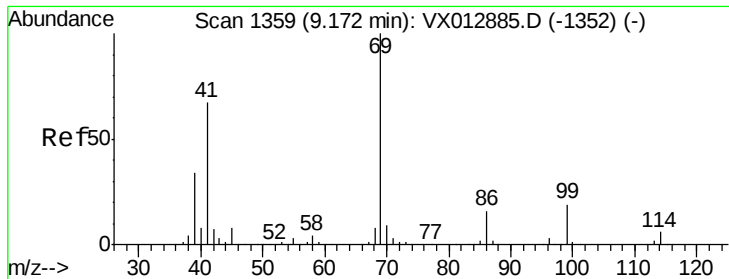
#50
Toluene-d8
Concen: 52.171 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012913.D
Acq: 09 Oct 2019 01:35

Tgt Ion: 98 Resp: 363718
Ion Ratio Lower Upper
98 100
100 67.1 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#56

Ethyl methacrylate

Concen: 1.837 ug/l

RT: 9.29 min Scan# 1379

Delta R.T. 0.12 min

Lab File: VX012913.D

Acq: 09 Oct 2019 01:35

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ15711-20191001

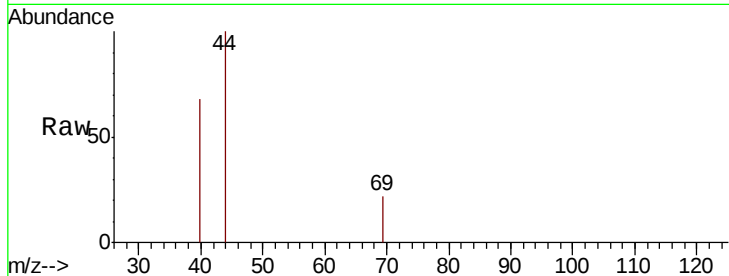
Tot Ion: 69 Resp: 20

Ion Ratio Lower Upper

69 100

41 95.0 52.1 78.1#

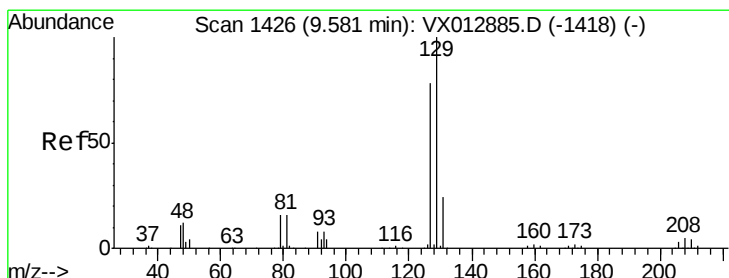
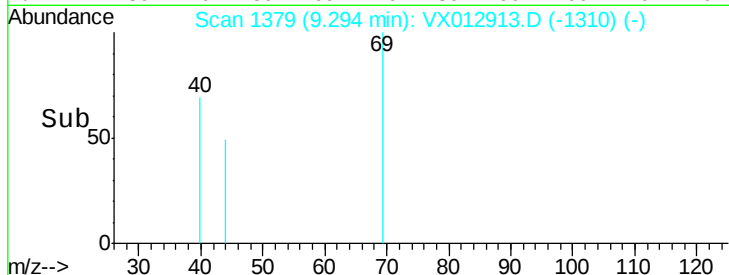
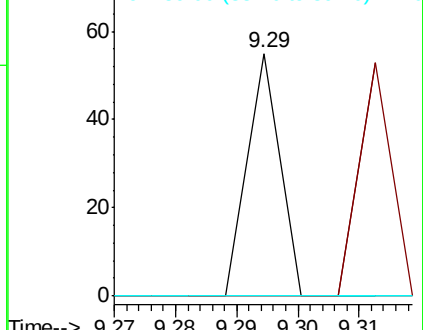
39 0.0 27.8 41.8#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#60

Dibromochloromethane

Concen: 1.955 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. -0.24 min

Lab File: VX012913.D

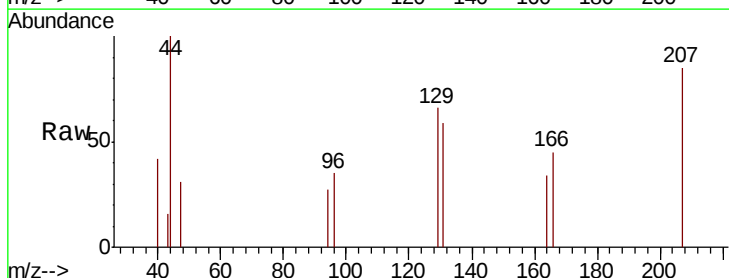
Acq: 09 Oct 2019 01:35

Tgt Ion: 129 Resp: 233

Ion Ratio Lower Upper

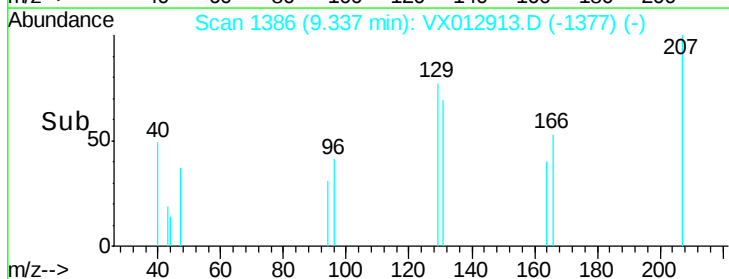
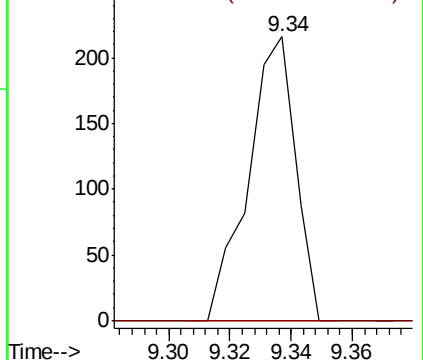
129 100

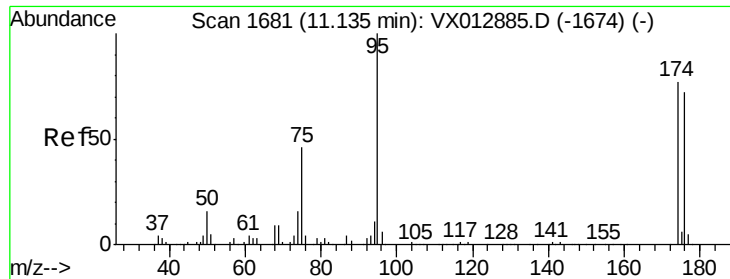
127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 47.649 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012913.D

Acq: 09 Oct 2019 01:35

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ15711-20191001

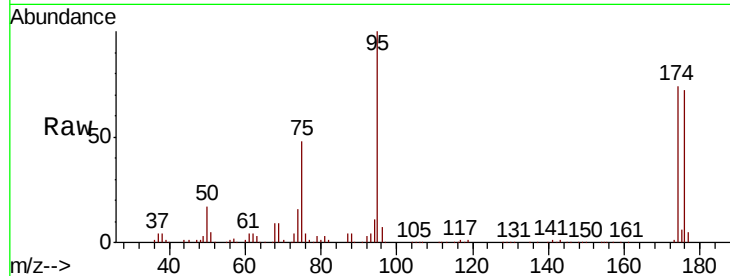
Tot Ion: 95 Resp: 129074

Ion Ratio Lower Upper

95 100

174 70.7 0.0 143.4

176 66.8 0.0 136.0



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

120000

100000

80000

60000

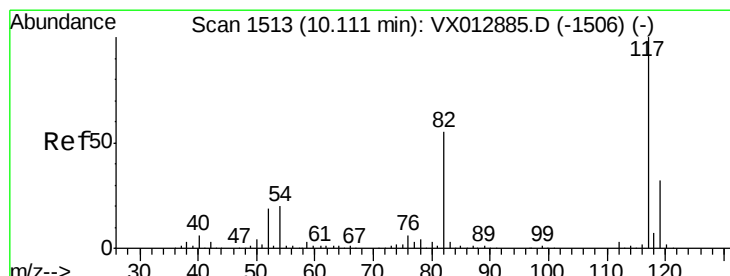
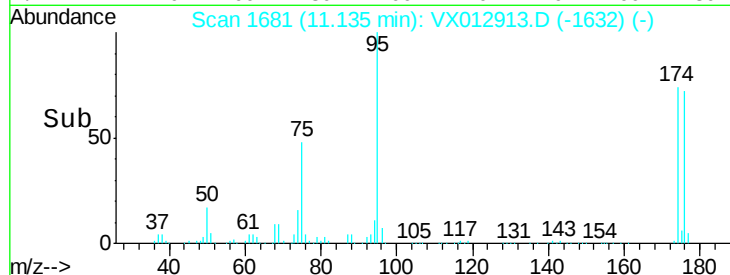
40000

20000

0

11.10 11.14 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012913.D

Acq: 09 Oct 2019 01:35

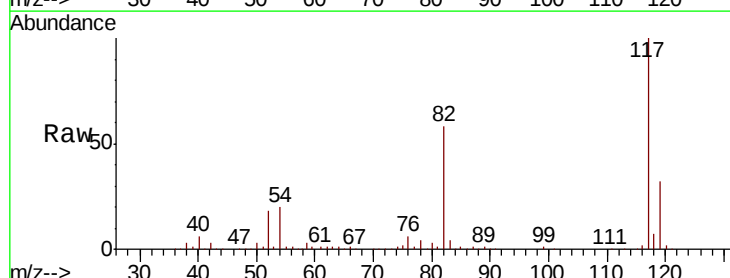
Tgt Ion: 117 Resp: 267789

Ion Ratio Lower Upper

117 100

82 57.6 44.1 66.1

119 32.5 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

250000

200000

150000

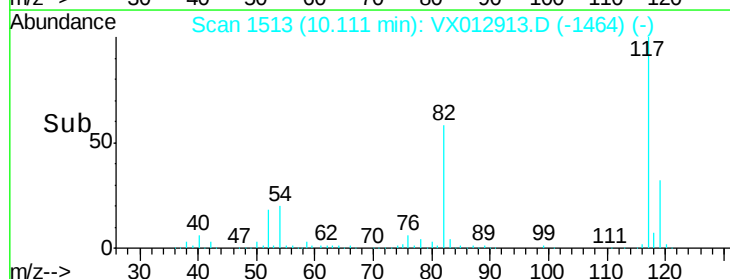
100000

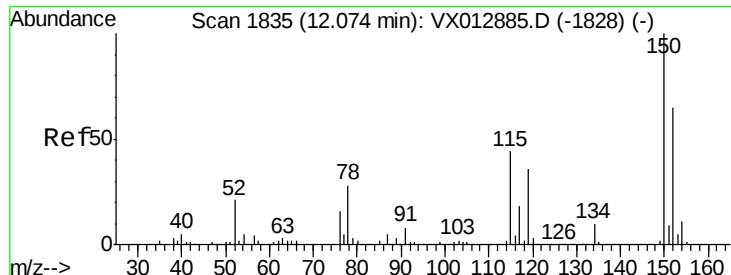
50000

0

10.10 10.11 10.20

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012913.D

Acq: 09 Oct 2019 01:35

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ15711-20191001

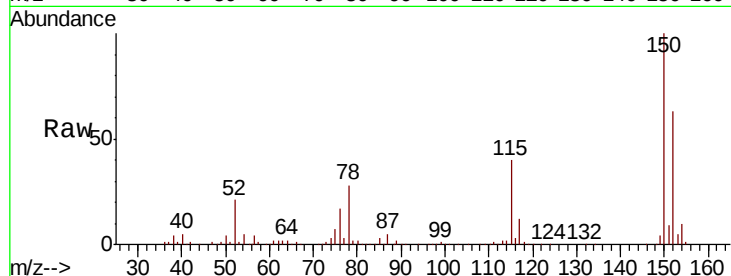
Tot Ion:152 Resp: 106875

Ion Ratio Lower Upper

152 100

115 64.1 44.5 133.5

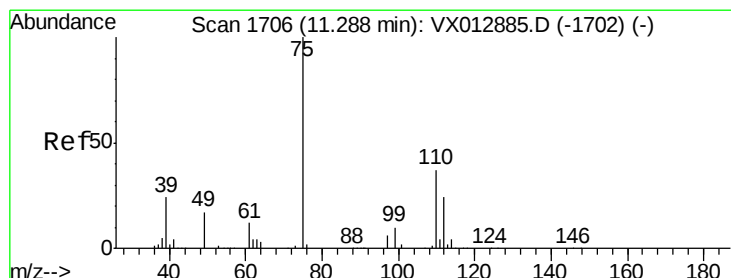
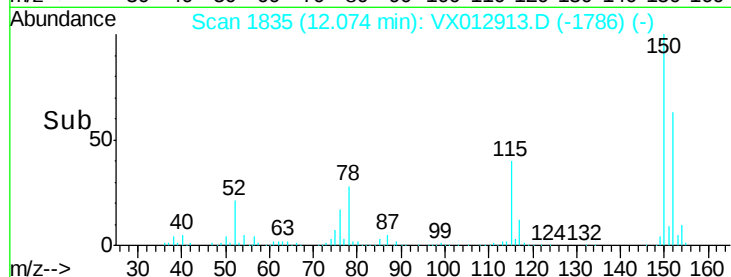
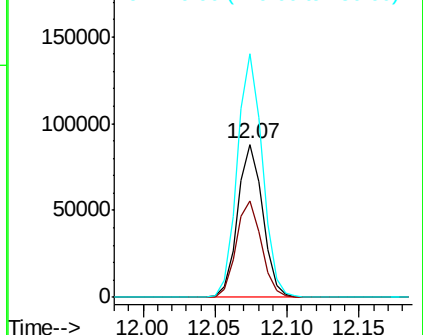
150 160.3 0.0 353.4



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: 27.167 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012913.D

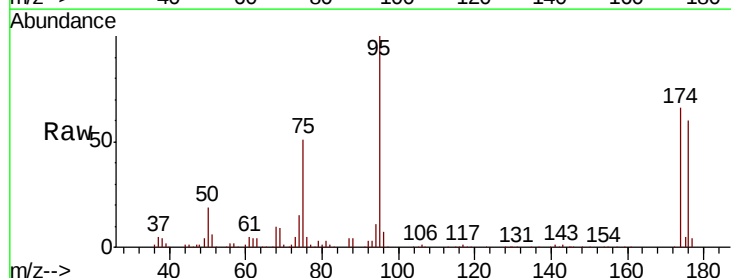
Acq: 09 Oct 2019 01:35

Tgt Ion: 75 Resp: 64399

Ion Ratio Lower Upper

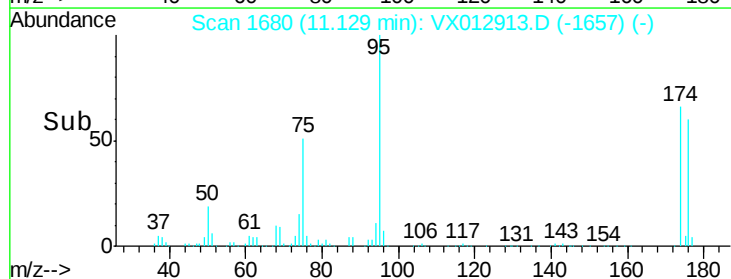
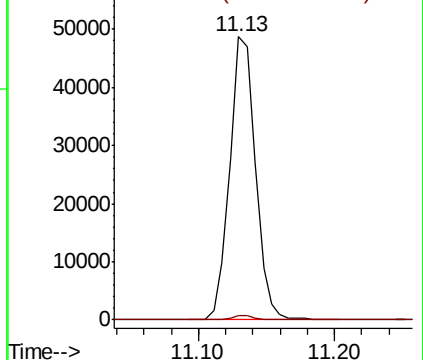
75 100

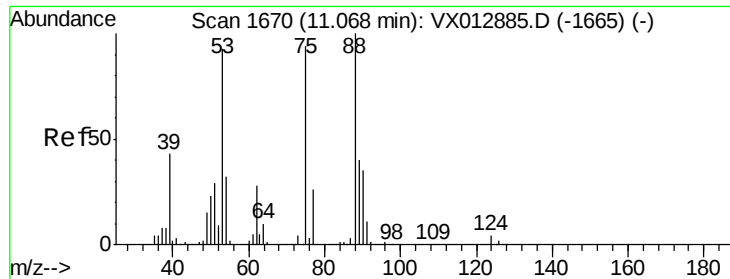
77 1.4 22.9 68.8#



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: 68.237 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012913.D

Acq: 09 Oct 2019 01:35

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ15711-20191001

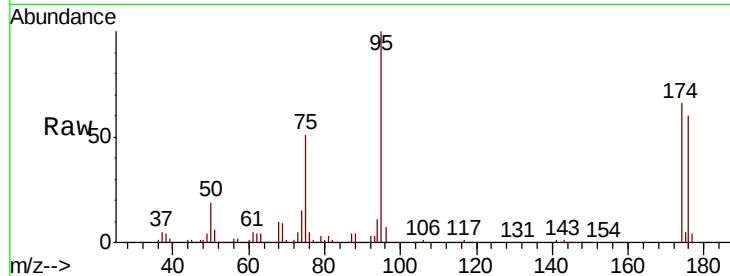
Tot Ion: 75 Resp: 64399

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

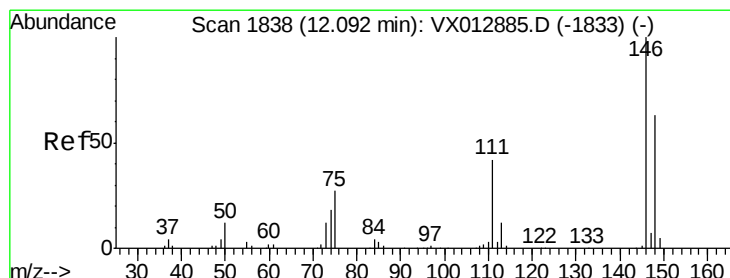
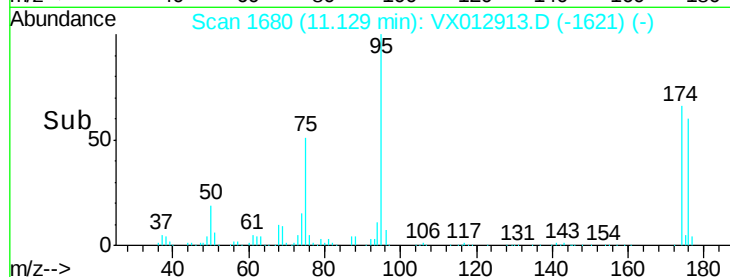
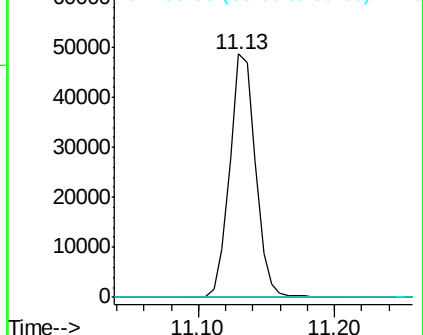
89 0.1 37.4 56.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#88

1,4-Dichlorobenzene

Concen: 0.271 ug/l

RT: 12.09 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VX012913.D

Acq: 09 Oct 2019 01:35

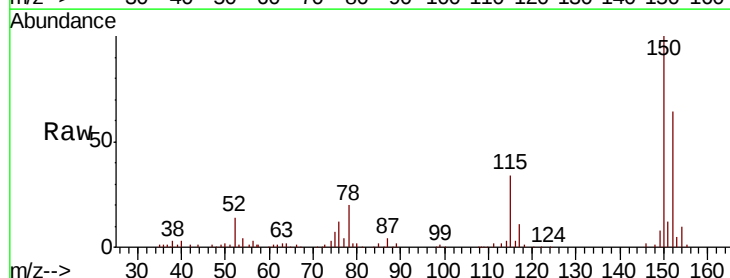
Tgt Ion: 146 Resp: 942

Ion Ratio Lower Upper

146 100

111 201.4 21.4 64.3#

148 118.2 32.1 96.5#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

