

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012897.D
 Acq On : 08 Oct 2019 18:14
 Operator : JC/SP
 Sample : K5122-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 09 02:11:12 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	175081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	305507	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	254775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	97005	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	117630	53.75	ug/l	0.00
Spiked Amount			Recovery	=	107.50%	
35) Dibromofluoromethane	5.49	113	89352	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
50) Toluene-d8	8.71	98	351817	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	11.14	95	117935	44.38	ug/l	0.00
Spiked Amount			Recovery	=	88.76%	

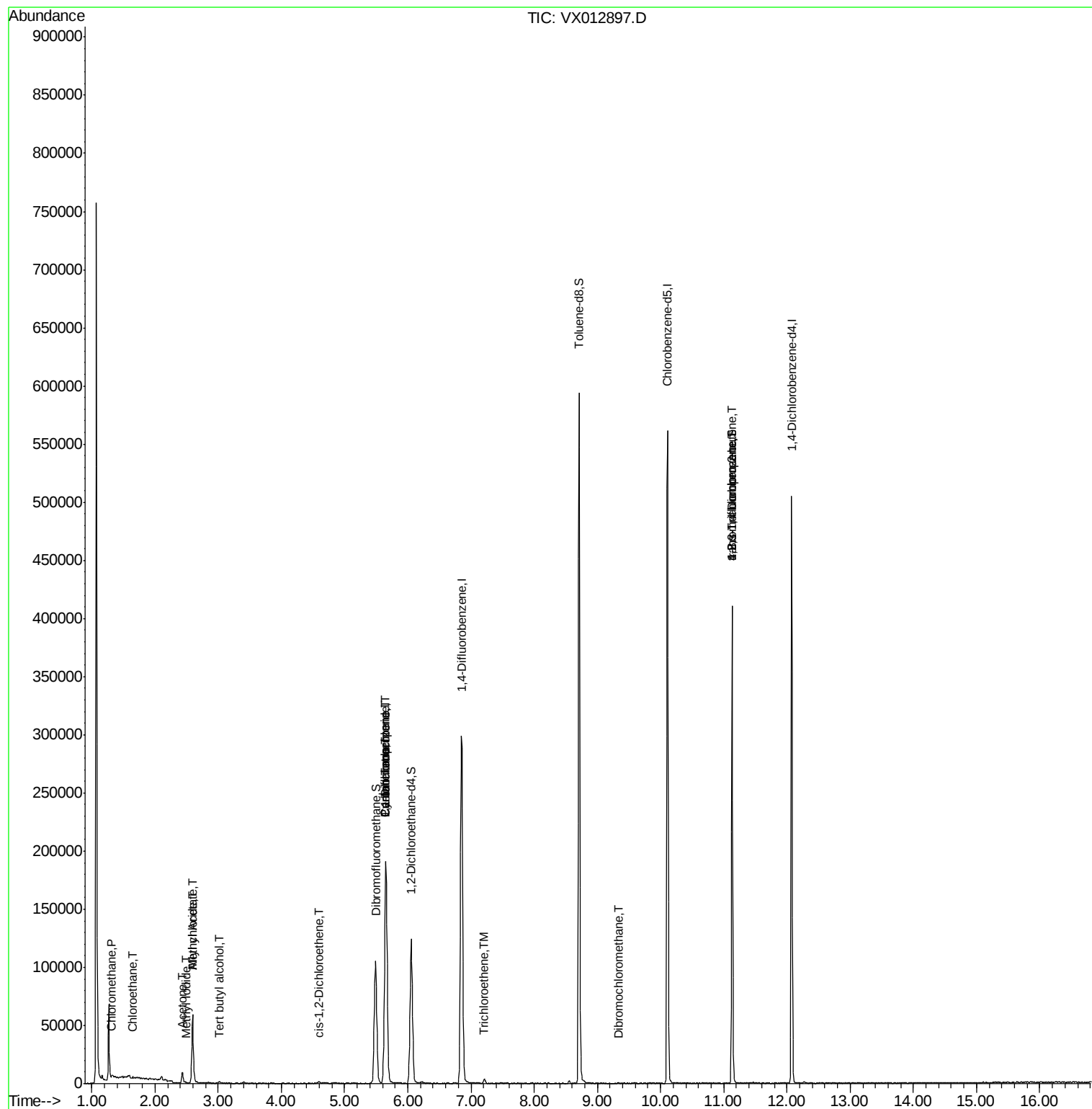
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	898	0.462	ug/l #	79
6) Chloroethane	1.65	64	463	0.743	ug/l #	59
10) Methyl Iodide	2.50	142	196	5.170	ug/l #	40
11) Tert butyl alcohol	3.02	59	1139	1.963	ug/l #	77
14) Allyl chloride	2.59	41	5717	1.814	ug/l #	63
16) Acetone	2.43	43	10226	8.866	ug/l #	85
18) Methyl Acetate	2.59	43	14791	5.410	ug/l #	51
27) cis-1,2-Dichloroethene	4.59	96	729	0.334	ug/l	75
31) Cyclohexane	5.65	56	3563	1.122	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14657	5.457	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18360	7.023	ug/l #	15
44) Trichloroethene	7.22	130	1264	0.575	ug/l	86
60) Dibromochloromethane	9.34	129	52	1.879	ug/l #	10
76) 1,2,3-Trichloropropane	11.13	75	58713	27.289	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	58713	68.524	ug/l #	10

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

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QLast Update : Wed Oct 09 01:51:23 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX012897.D

Acq: 08 Oct 2019 18:14

Instrument :

MSVOA_X

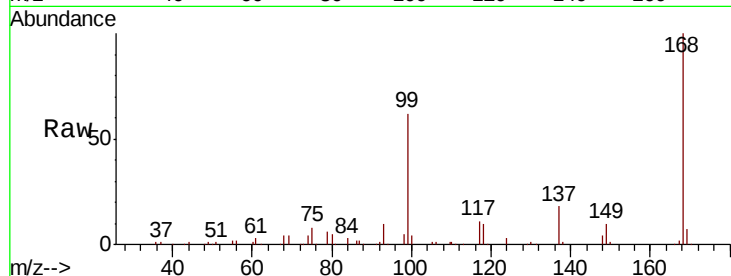
ClientSampleId :

Tot Ion:168 Resp: 175081

Ion Ratio Lower Upper

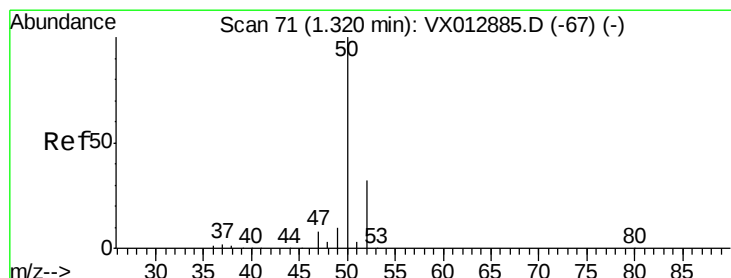
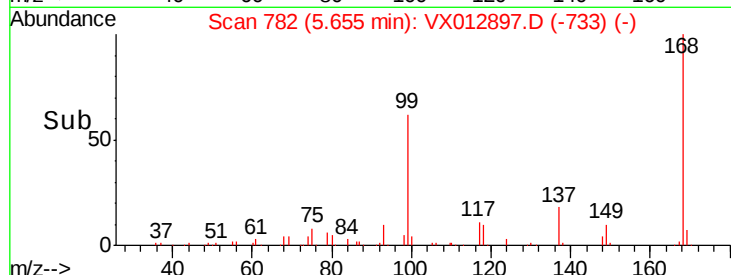
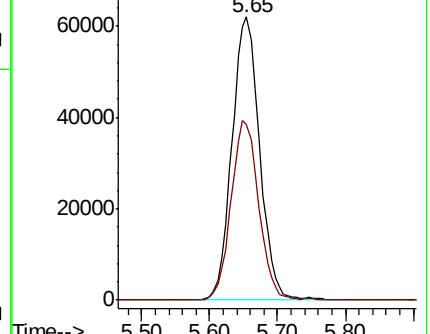
168 100

99 62.2 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: 0.462 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012897.D

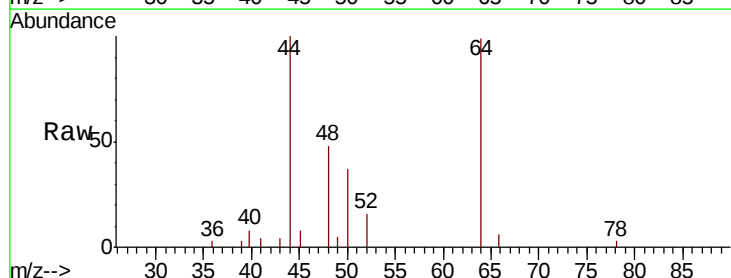
Acq: 08 Oct 2019 18:14

Tgt Ion: 50 Resp: 898

Ion Ratio Lower Upper

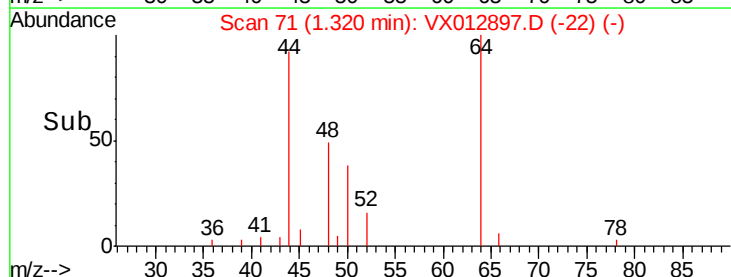
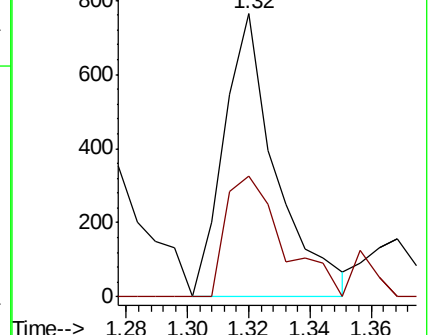
50 100

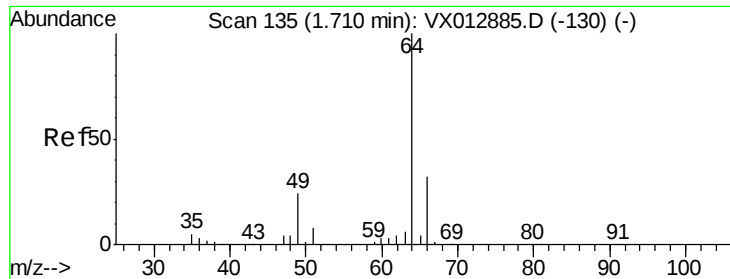
52 42.9 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

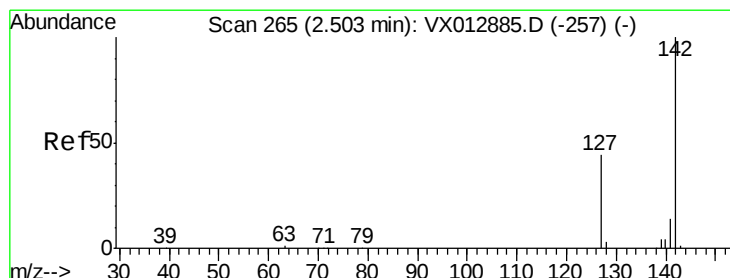
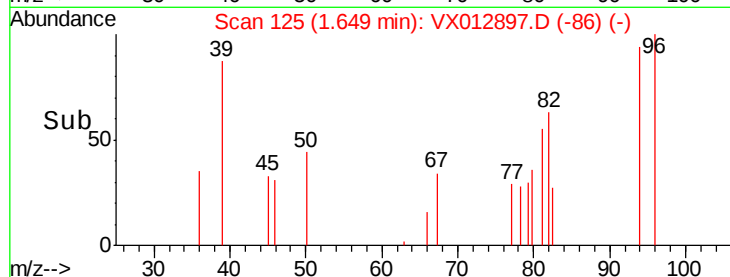
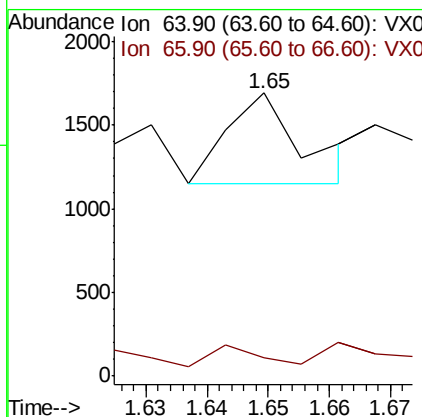
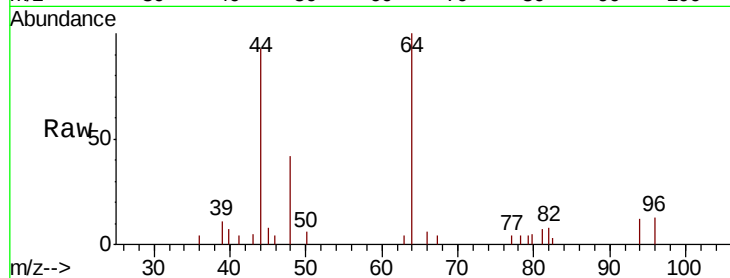




#6
Chloroethane
Concen: 0.743 ug/l
RT: 1.65 min Scan# 125
Delta R.T. -0.06 min
Lab File: VX012897.D
Acq: 08 Oct 2019 18:14

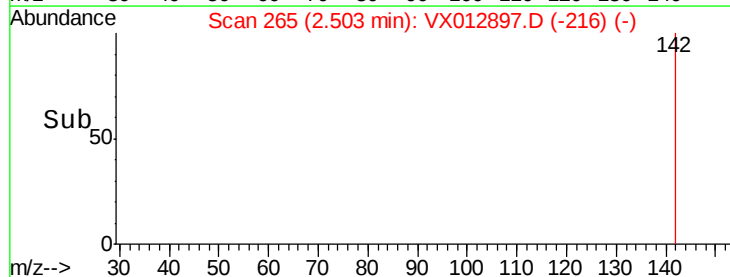
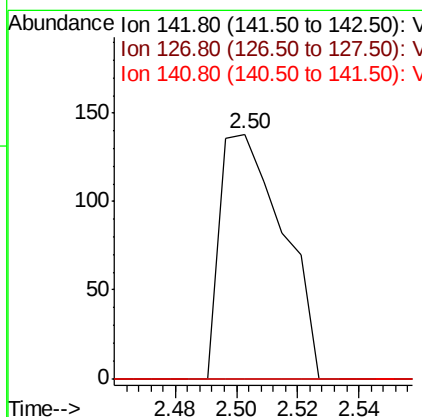
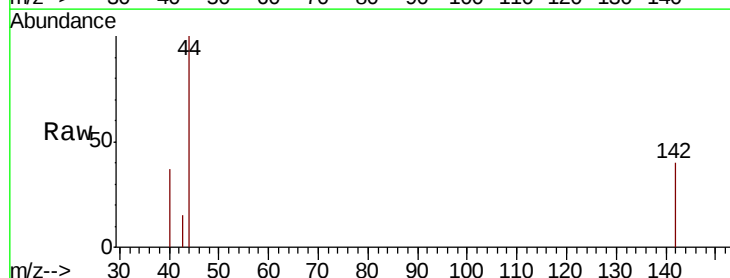
Instrument :
MSVOA_X
ClientSampleId :

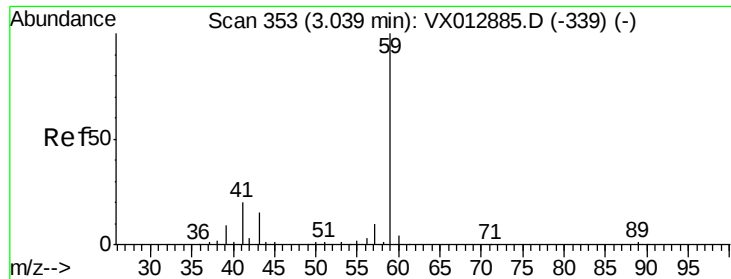
Tot Ion: 64 Resp: 463
Ion Ratio Lower Upper
64 100
66 9.4 25.6 38.4#



#10
Methyl Iodide
Concen: 5.170 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX012897.D
Acq: 08 Oct 2019 18:14

Tgt Ion: 142 Resp: 196
Ion Ratio Lower Upper
142 100
127 0.0 34.9 52.3#
141 0.0 11.6 17.4#

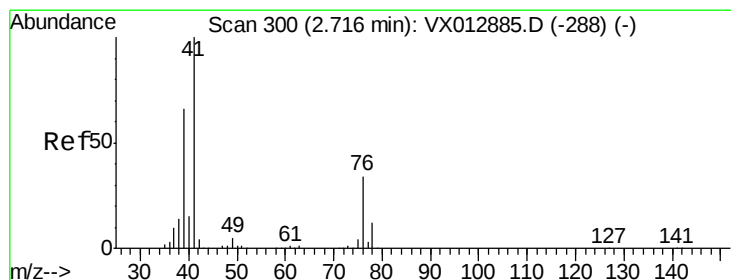
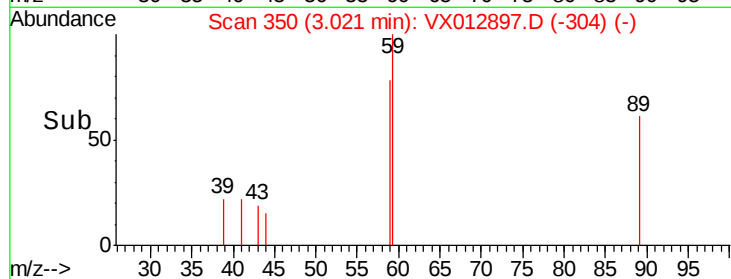
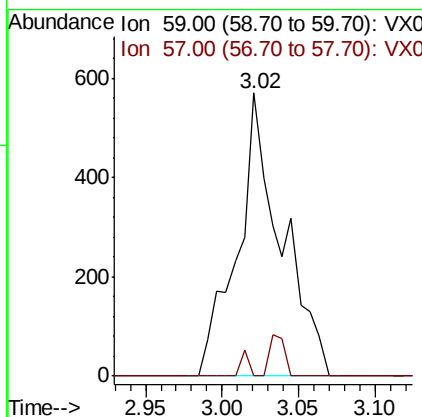
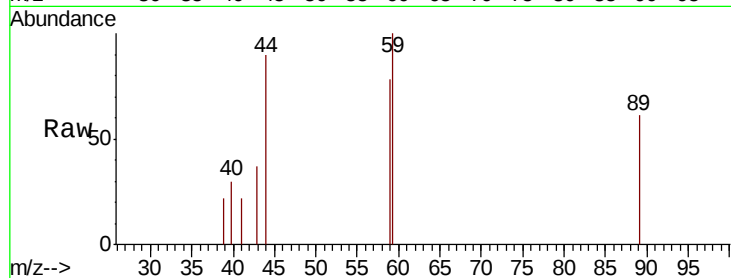




#11
Tert butyl alcohol
Concen: 1.963 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX012897.D
Acq: 08 Oct 2019 18:14

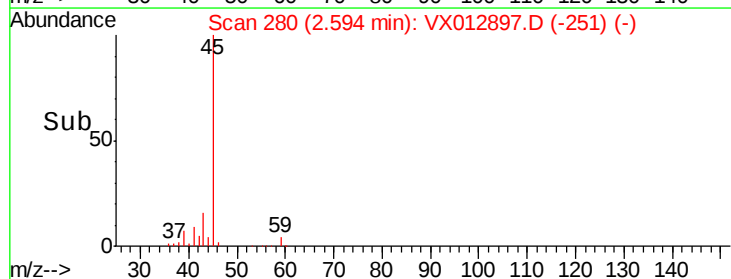
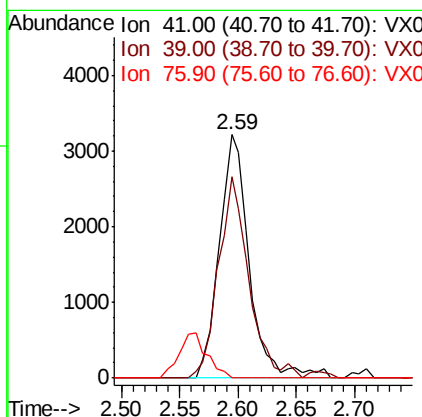
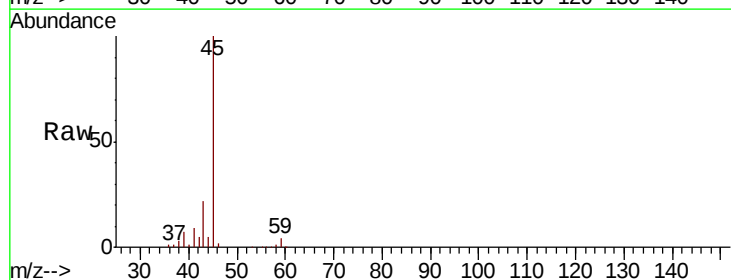
Instrument :
MSVOA_X
ClientSampleId :

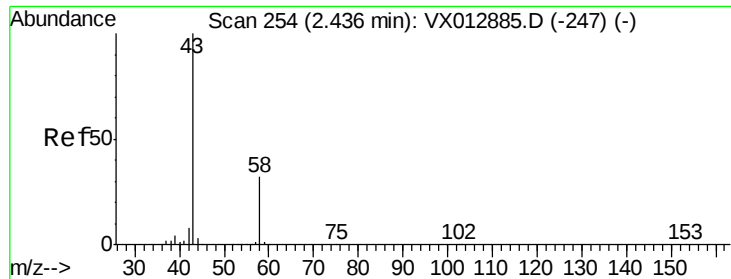
Tot Ion: 59 Resp: 1139
Ion Ratio Lower Upper
59 100
57 1.7 8.3 12.5#



#14
Allyl chloride
Concen: 1.814 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.12 min
Lab File: VX012897.D
Acq: 08 Oct 2019 18:14

Tgt Ion: 41 Resp: 5717
Ion Ratio Lower Upper
41 100
39 84.2 51.0 76.6#
76 0.0 26.2 39.4#





#16

Acetone

Concen: 8.866 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012897.D

Acq: 08 Oct 2019 18:14

Instrument :

MSVOA_X

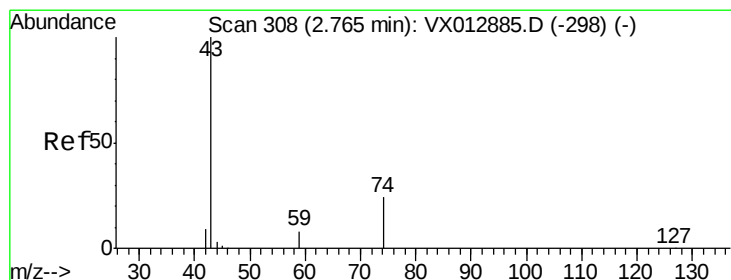
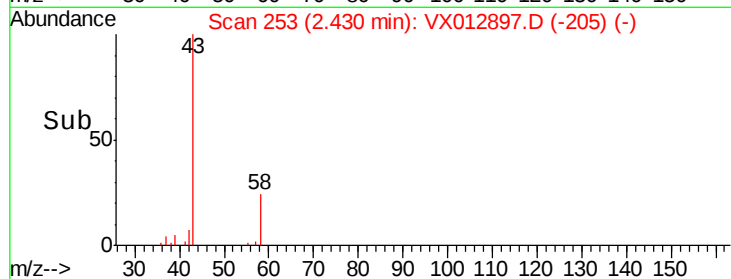
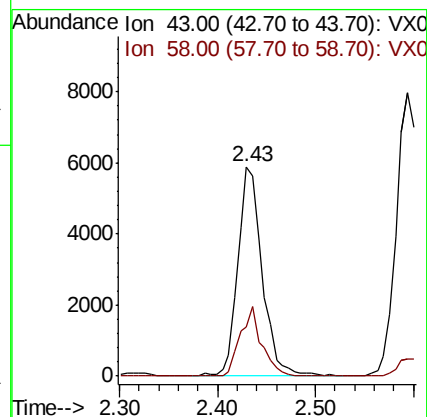
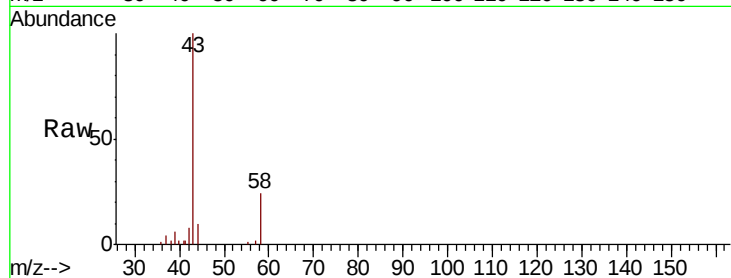
ClientSampled :

Tot Ion: 43 Resp: 10226

Ion Ratio Lower Upper

43 100

58 23.7 25.4 38.2#



#18

Methyl Acetate

Concen: 5.410 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012897.D

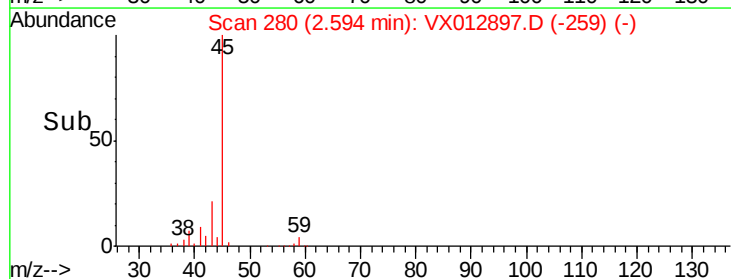
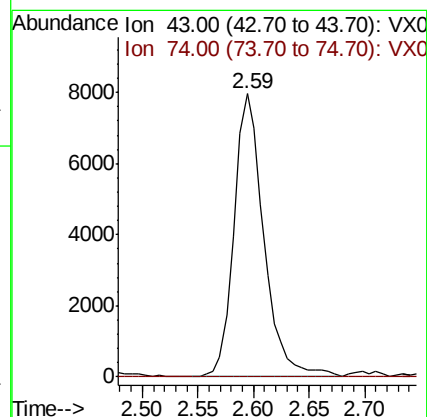
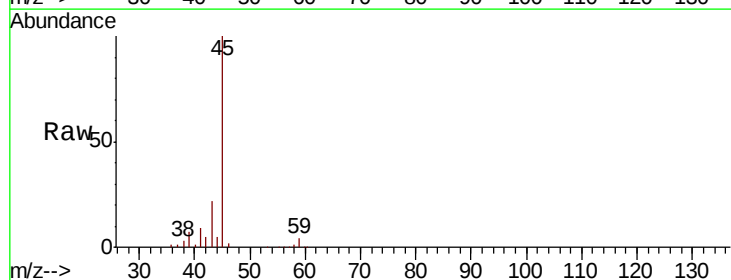
Acq: 08 Oct 2019 18:14

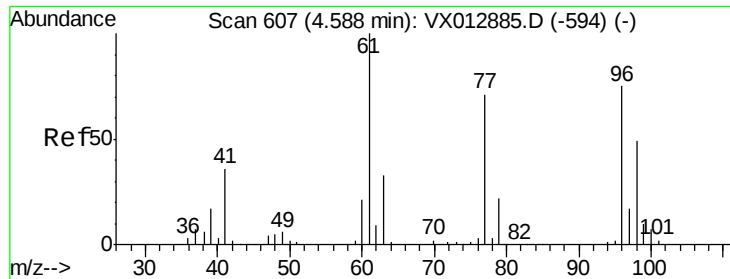
Tgt Ion: 43 Resp: 14791

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#



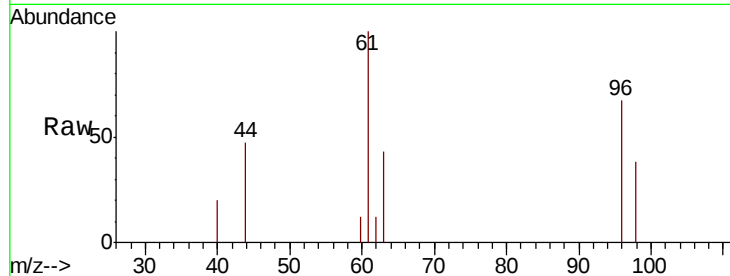


#27

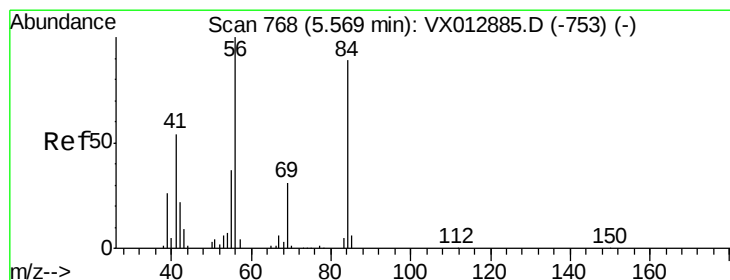
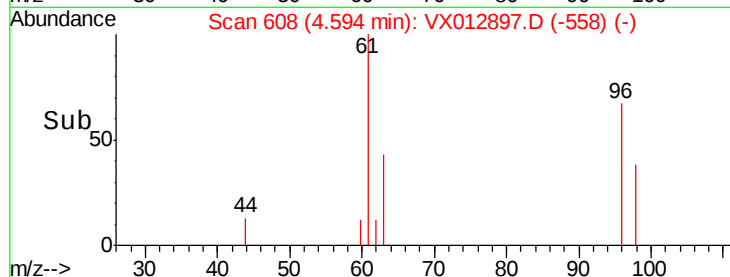
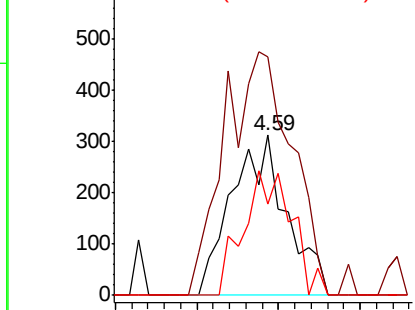
cis-1,2-Dichloroethene
 Concen: 0.334 ug/l
 RT: 4.59 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: VX012897.D
 Acq: 08 Oct 2019 18:14

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 96 Resp: 729
 Ion Ratio Lower Upper
 96 100
 61 187.5 0.0 290.6
 98 68.3 0.0 128.8



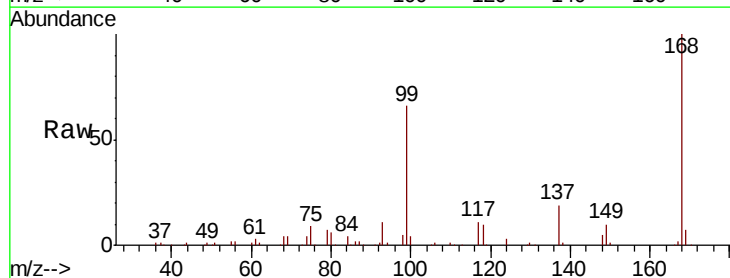
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



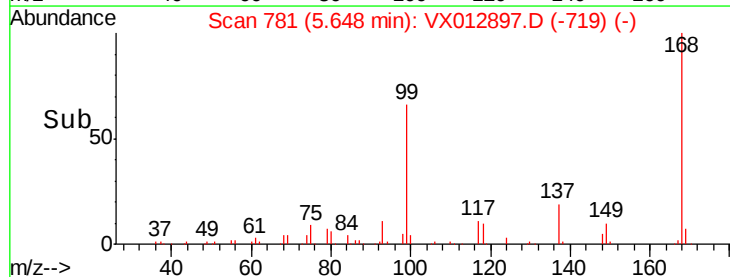
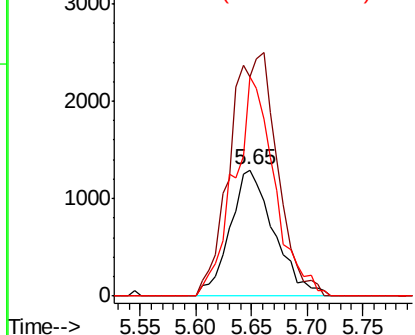
#31

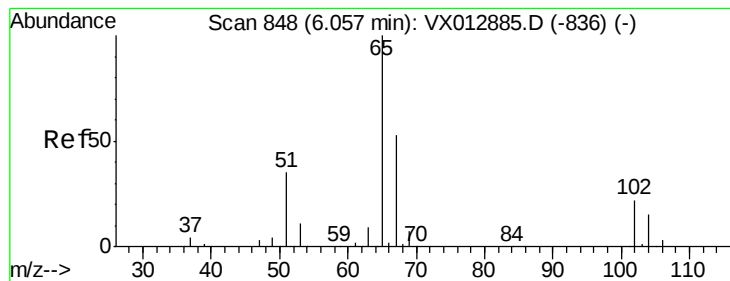
Cyclohexane
 Concen: 1.122 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.08 min
 Lab File: VX012897.D
 Acq: 08 Oct 2019 18:14

Tgt Ion: 56 Resp: 3563
 Ion Ratio Lower Upper
 56 100
 69 173.6 25.2 37.8#
 84 173.5 71.3 106.9#



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: 53.754 ug/l

RT: 6.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: VX012897.D

Acq: 08 Oct 2019 18:14

Instrument :

MSVOA_X

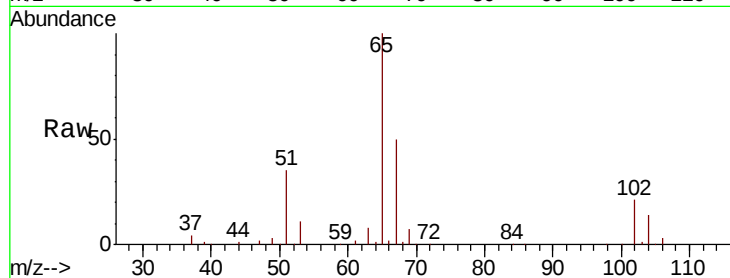
ClientSampleId :

Tot Ion: 65 Resp: 117630

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

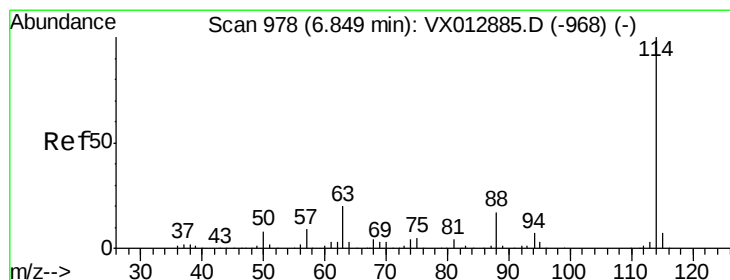
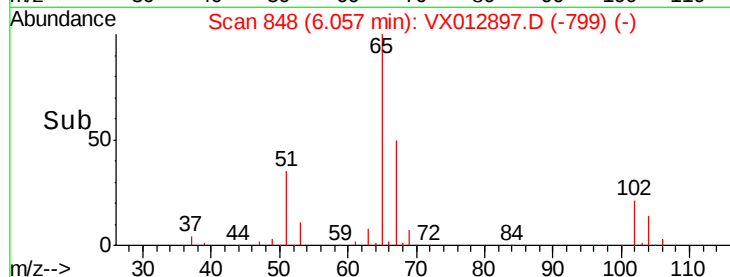
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX012897.D

Acq: 08 Oct 2019 18:14

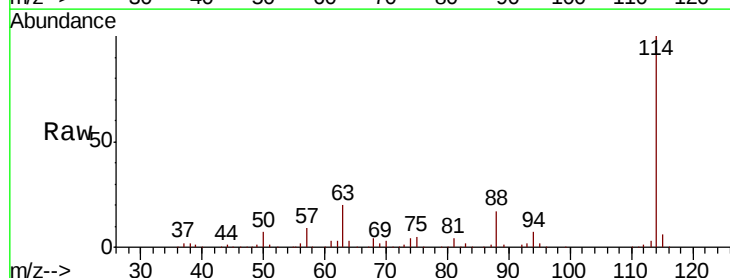
Tgt Ion: 114 Resp: 305507

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

88 16.5 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

6.86

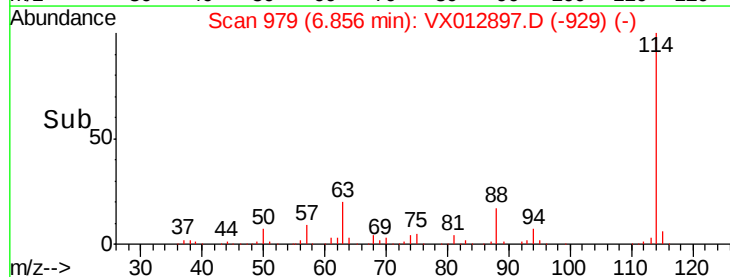
150000

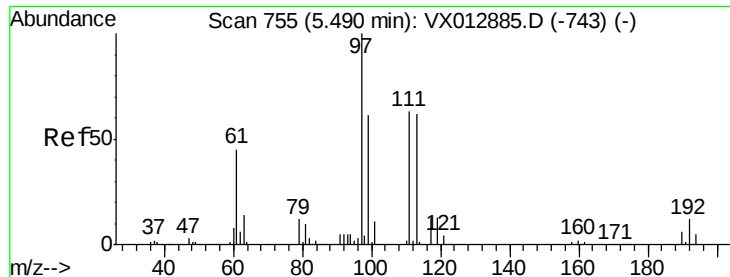
100000

50000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 50.958 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012897.D

Acq: 08 Oct 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :

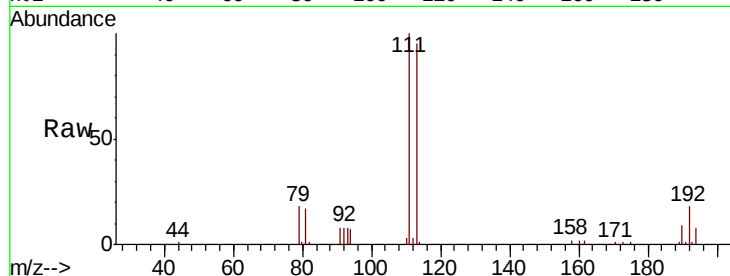
Tot Ion:113 Resp: 89352

Ion Ratio Lower Upper

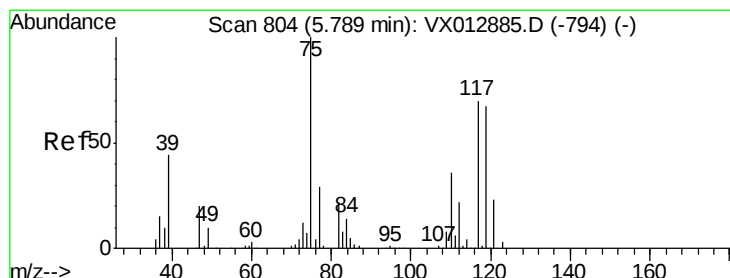
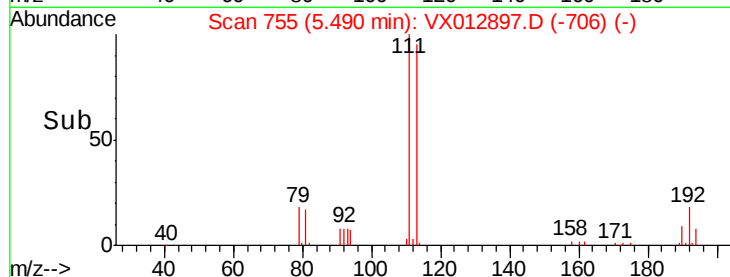
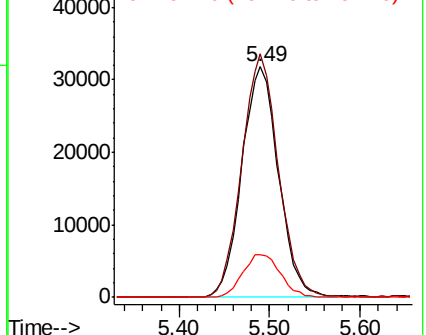
113 100

111 104.9 83.2 124.8

192 19.0 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: 5.457 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012897.D

Acq: 08 Oct 2019 18:14

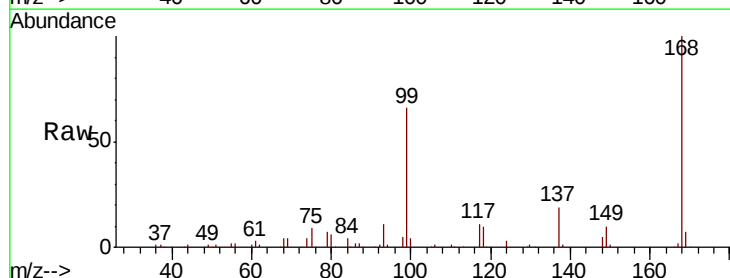
Tgt Ion: 75 Resp: 14657

Ion Ratio Lower Upper

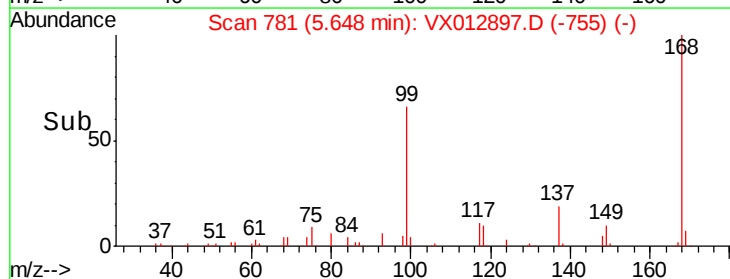
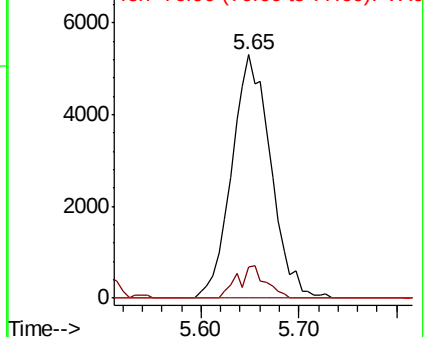
75 100

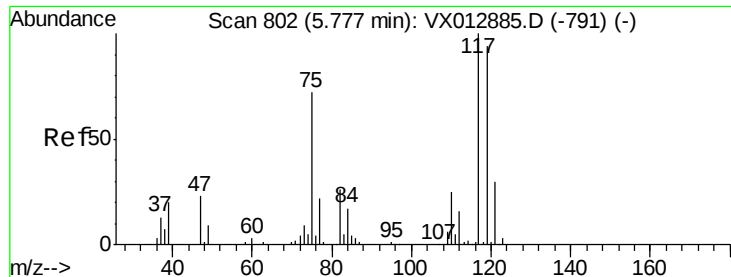
110 9.6 17.6 52.9#

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: 7.023 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012897.D

Acq: 08 Oct 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

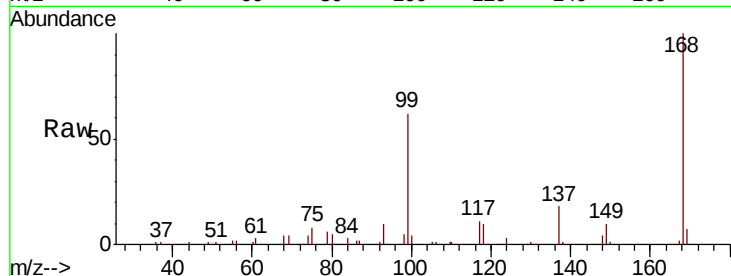
Tot Ion:117 Resp: 18360

Ion Ratio Lower Upper

117 100

119 2.9 74.5 111.7#

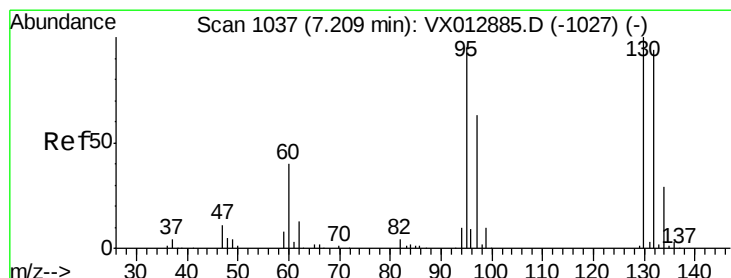
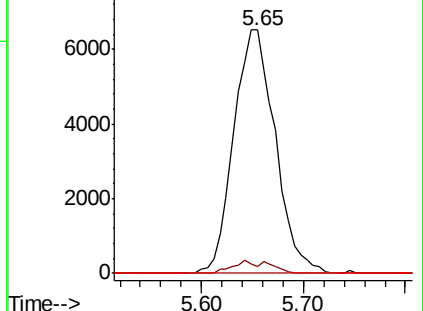
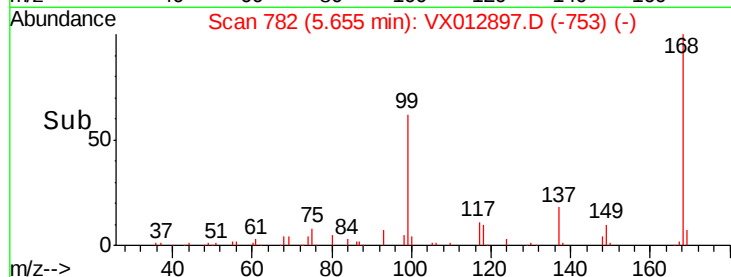
121 0.0 24.2 36.4#



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



#44

Trichloroethene

Concen: 0.575 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX012897.D

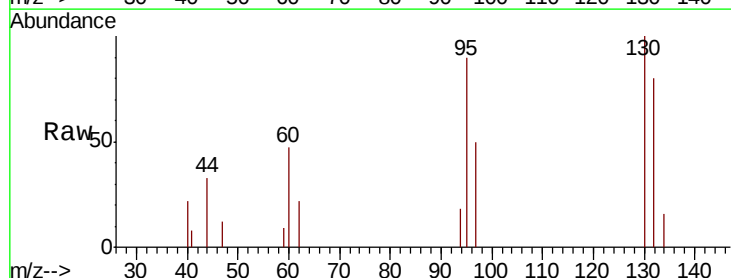
Acq: 08 Oct 2019 18:14

Tgt Ion:130 Resp: 1264

Ion Ratio Lower Upper

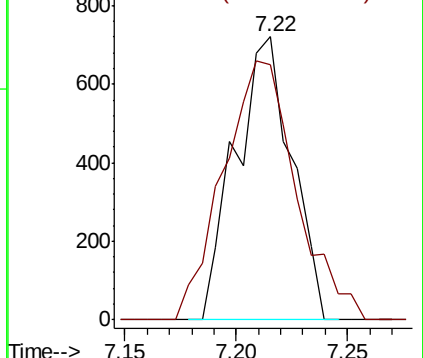
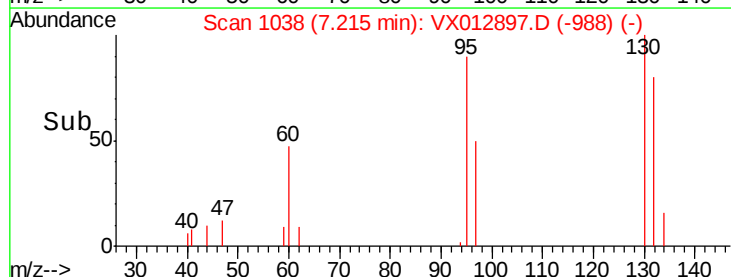
130 100

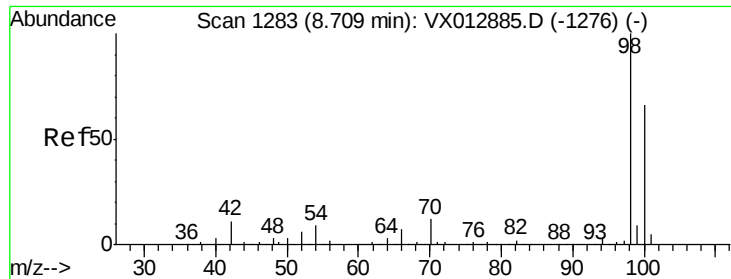
95 81.0 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.444 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012897.D

Acq: 08 Oct 2019 18:14

Instrument :

MSVOA_X

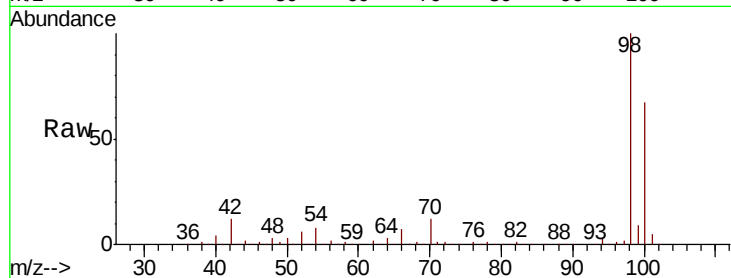
ClientSampleId :

Tot Ion: 98 Resp: 351817

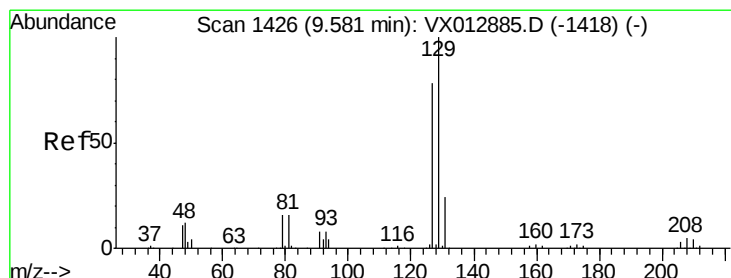
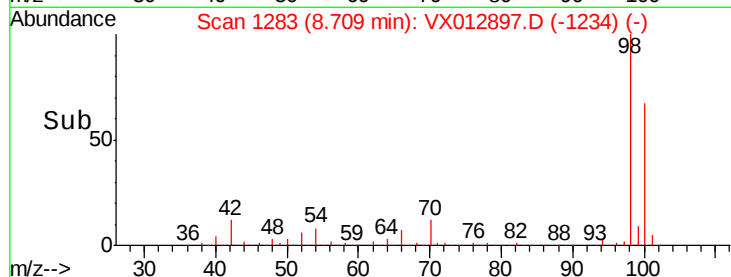
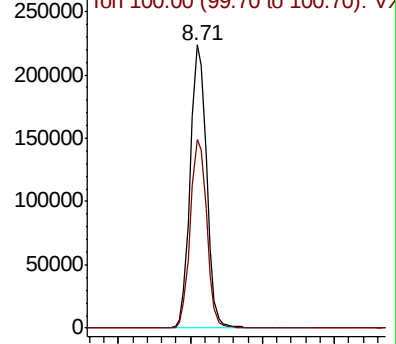
Ion Ratio Lower Upper

98 100

100 67.4 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX012885.D (-1276) (-)



#60

Dibromochloromethane

Concen: 1.879 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. -0.24 min

Lab File: VX012897.D

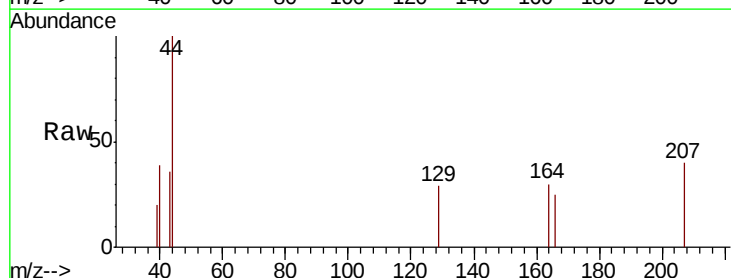
Acq: 08 Oct 2019 18:14

Tgt Ion: 129 Resp: 52

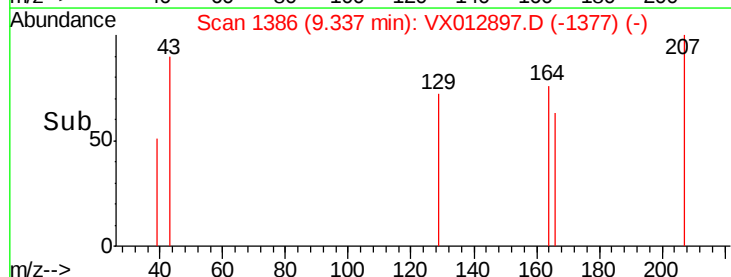
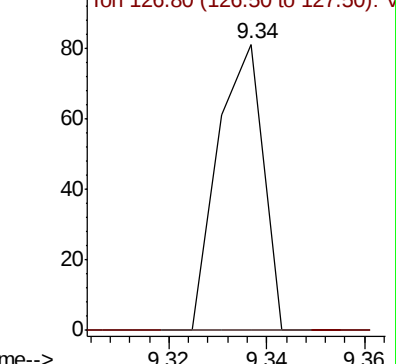
Ion Ratio Lower Upper

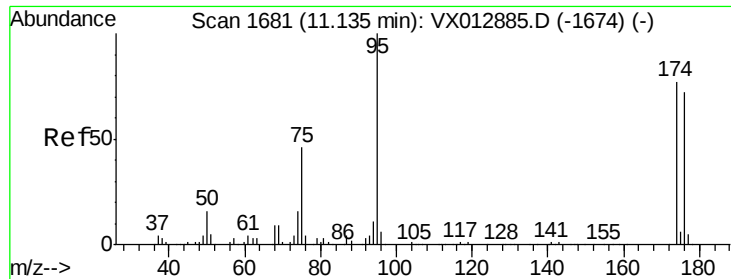
129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): VX012885.D (-1418) (-)





#62

4-Bromofluorobenzene

Concen: 44.382 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012897.D

Acq: 08 Oct 2019 18:14

Instrument :

MSVOA_X

ClientSampled :

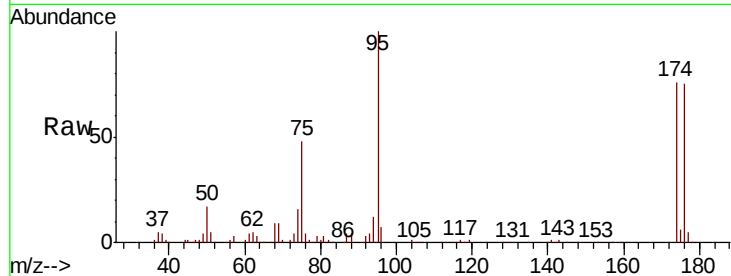
Tot Ion: 95 Resp: 117935

Ion Ratio Lower Upper

95 100

174 70.7 0.0 143.4

176 68.9 0.0 136.0

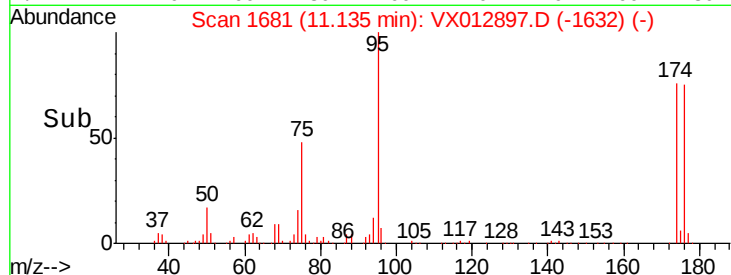


Abundance Ion 94.90 (94.60 to 95.60): VX012885.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012885.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012885.D (-1674) (-)

Time-->

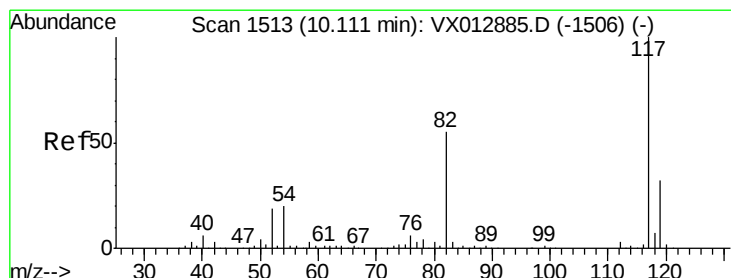


Abundance Ion 94.90 (94.60 to 95.60): VX012897.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012897.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012897.D (-1632) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012897.D

Acq: 08 Oct 2019 18:14

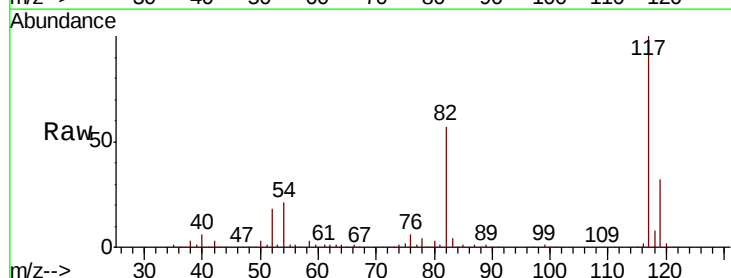
Tgt Ion: 117 Resp: 254775

Ion Ratio Lower Upper

117 100

82 56.8 44.1 66.1

119 32.3 25.8 38.8

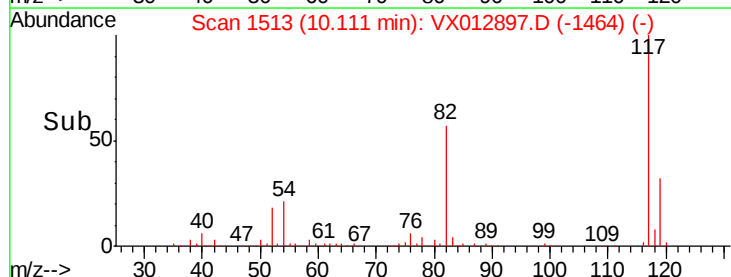


Abundance Ion 116.90 (116.60 to 117.60): VX012885.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX012885.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX012885.D (-1506) (-)

Time-->

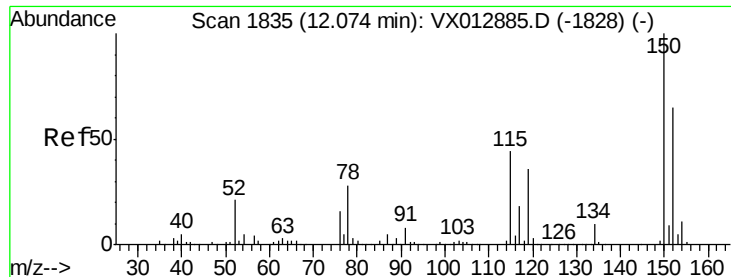


Abundance Ion 116.90 (116.60 to 117.60): VX012897.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012897.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012897.D (-1464) (-)

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: VX012897.D

Acq: 08 Oct 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

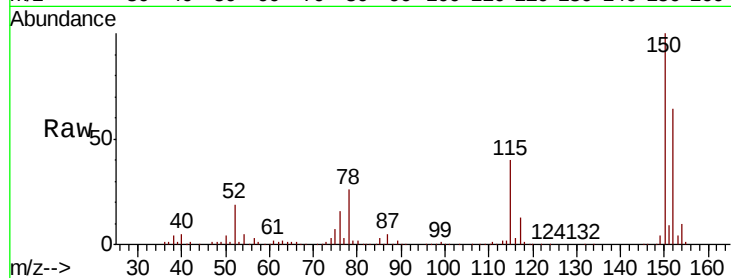
Tot Ion:152 Resp: 97005

Ion Ratio Lower Upper

152 100

115 64.1 44.5 133.5

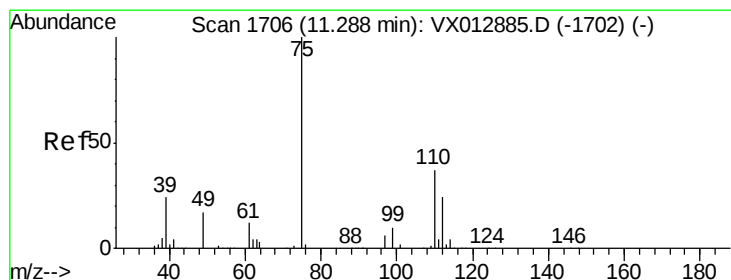
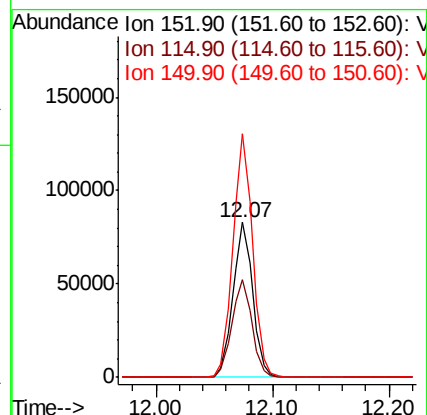
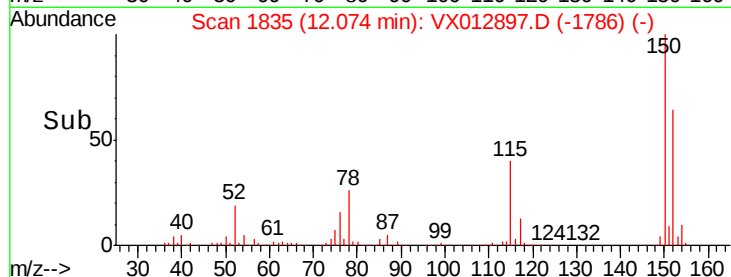
150 157.0 0.0 353.4



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: 27.289 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012897.D

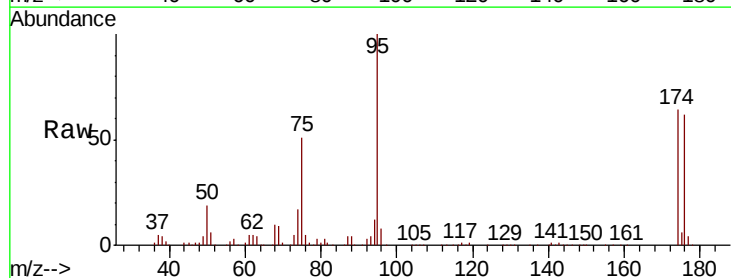
Acq: 08 Oct 2019 18:14

Tgt Ion: 75 Resp: 58713

Ion Ratio Lower Upper

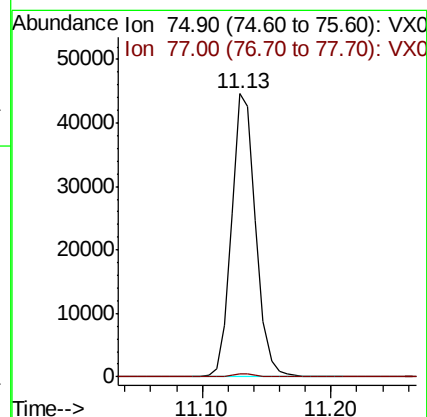
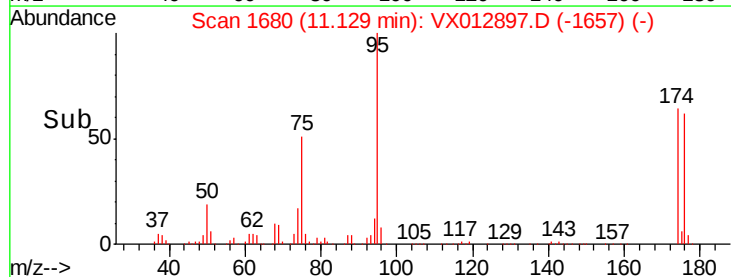
75 100

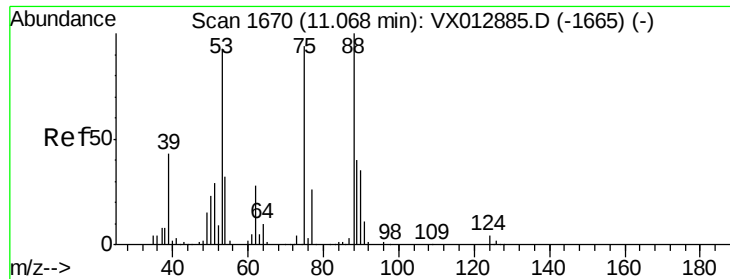
77 1.1 22.9 68.8#



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: 68.524 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012897.D

Acq: 08 Oct 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

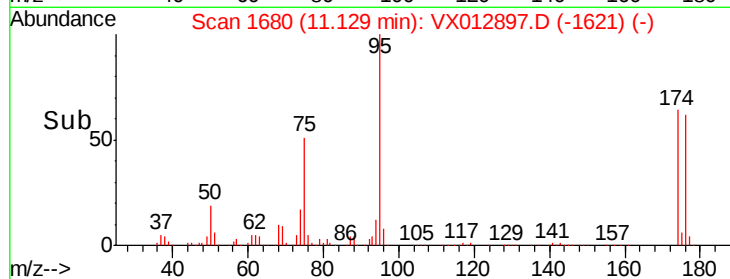
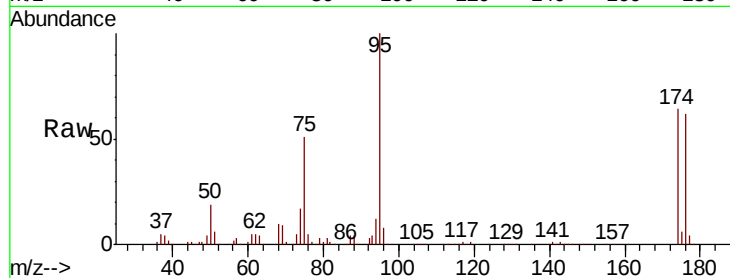
Tot Ion: 75 Resp: 58713

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

