

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012930.D
 Acq On : 09 Oct 2019 10:13
 Operator : JC/SP
 Sample : VX1009WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 10 01:30:37 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	176468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	296554	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	94274	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	113255	51.35	ug/l	-0.01
Spiked Amount			Recovery	=	102.70%	
35) Dibromofluoromethane	5.48	113	88423	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
50) Toluene-d8	8.71	98	345360	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
62) 4-Bromofluorobenzene	11.14	95	115637	44.83	ug/l	0.00
Spiked Amount			Recovery	=	89.66%	

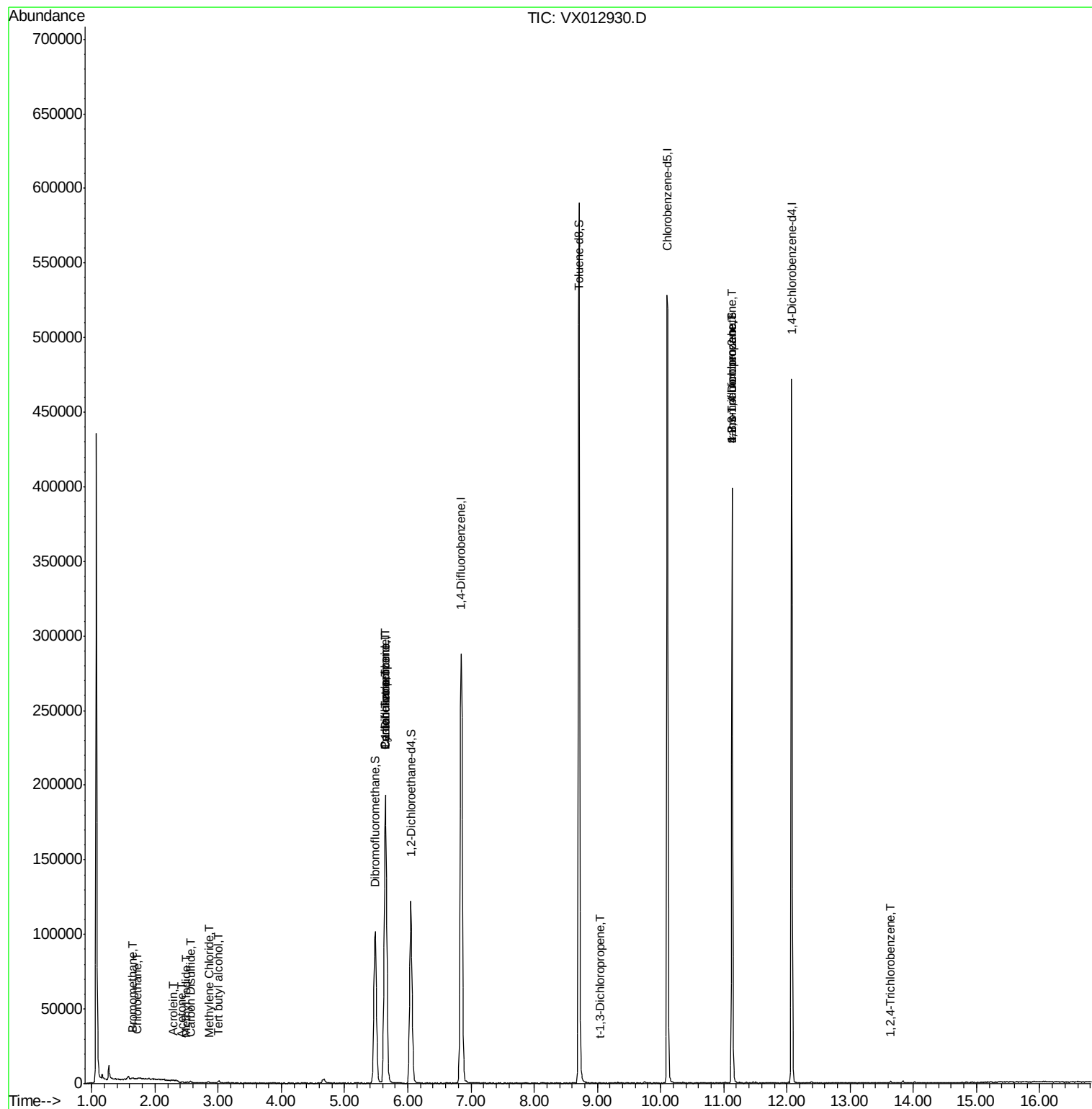
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	438	0.521	ug/l	84
6) Chloroethane	1.72	64	959	1.139	ug/l #	43
10) Methyl Iodide	2.50	142	442	5.280	ug/l #	61
11) Tert butyl alcohol	3.01	59	1278	2.186	ug/l #	72
13) Acrolein	2.29	56	147	0.354	ug/l #	79
16) Acetone	2.42	43	586	0.504	ug/l #	43
17) Carbon Disulfide	2.56	76	1412	0.278	ug/l #	85
20) Methylene Chloride	2.86	84	431	0.202	ug/l #	79
31) Cyclohexane	5.64	56	4017	1.255	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	14627	5.610	ug/l #	51
38) Carbon Tetrachloride	5.64	117	18591	7.326	ug/l #	17
53) t-1,3-Dichloropropene	9.05	75	141	2.211	ug/l #	42
76) 1,2,3-Trichloropropane	11.13	75	58136	27.803	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	58136	69.739	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.64	180	493	0.265	ug/l	79

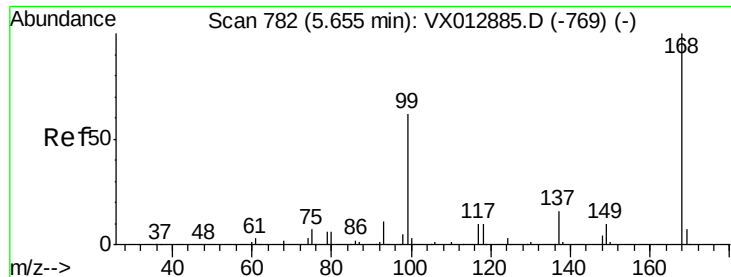
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100919\
Data File : VX012930.D
Acq On : 09 Oct 2019 10:13
Operator : JC/SP
Sample : VX1009WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 10 01:30:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
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# 781

Delta R.T. -0.01 min

Lab File: VX012930.D

Acq: 09 Oct 2019 10:13

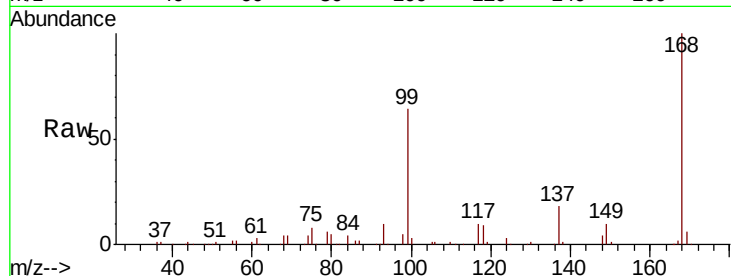
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 176468

Ion Ratio Lower Upper

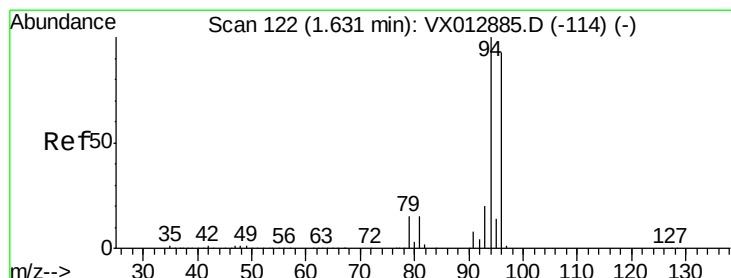
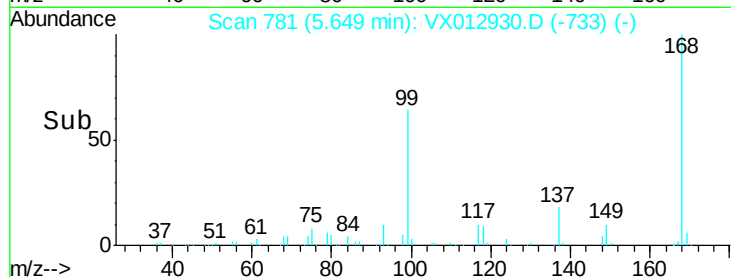
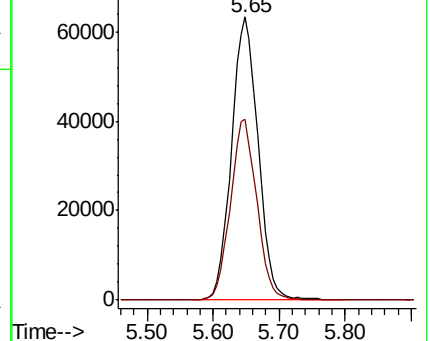
168 100

99 63.9 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.521 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX012930.D

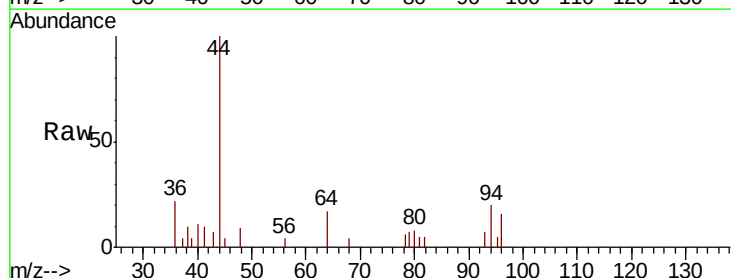
Acq: 09 Oct 2019 10:13

Tgt Ion: 94 Resp: 438

Ion Ratio Lower Upper

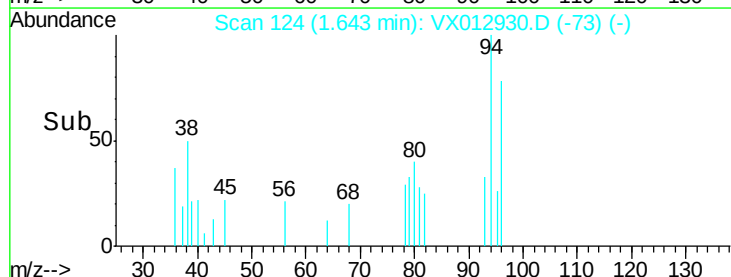
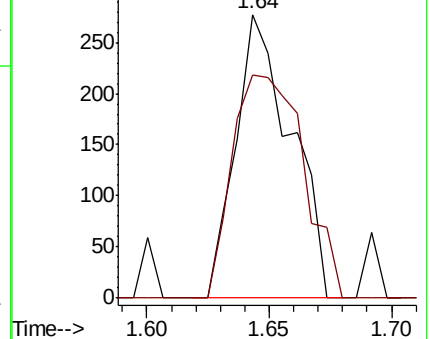
94 100

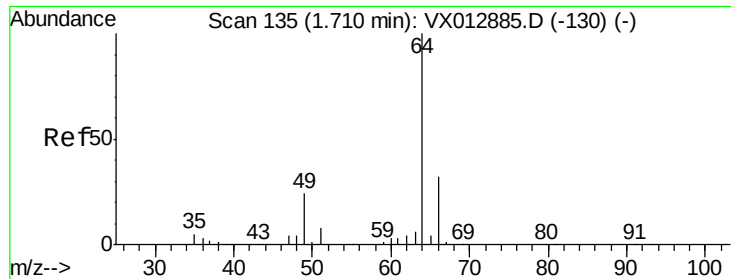
96 78.4 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 1.139 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012930.D

Acq: 09 Oct 2019 10:13

Instrument :

MSVOA_X

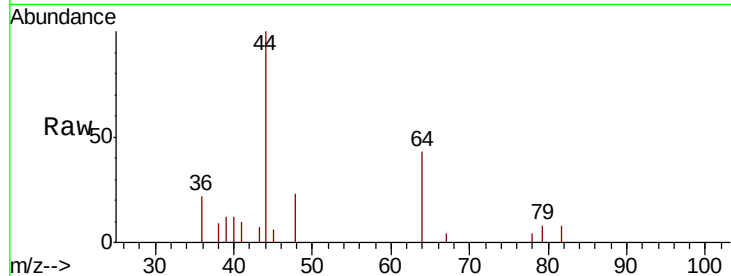
ClientSampled :

Tot Ion: 64 Resp: 959

Ion Ratio Lower Upper

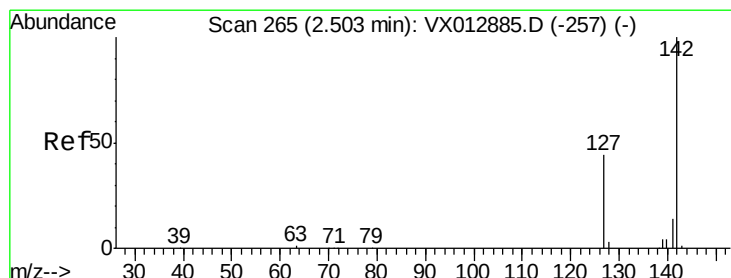
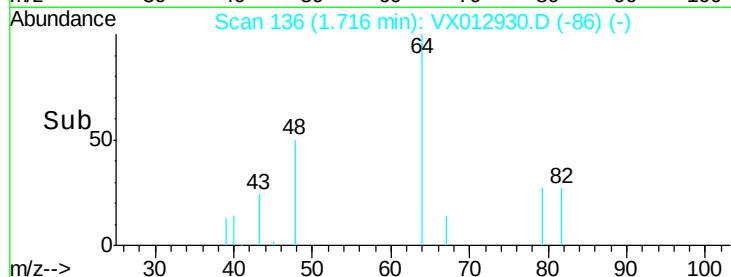
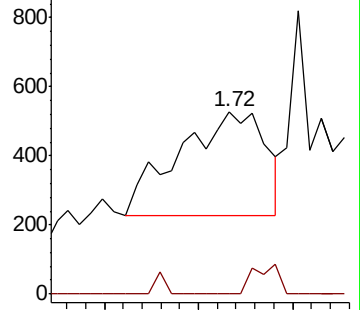
64 100

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

Methyl Iodide

Concen: 5.280 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.01 min

Lab File: VX012930.D

Acq: 09 Oct 2019 10:13

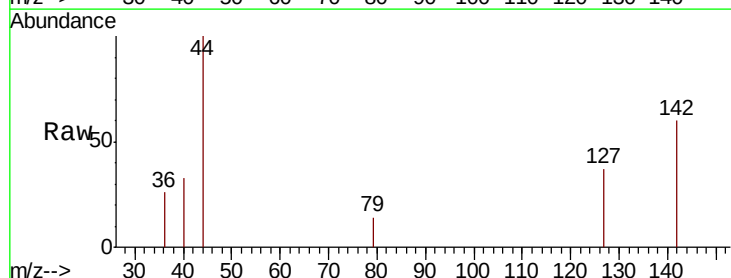
Tgt Ion: 142 Resp: 442

Ion Ratio Lower Upper

142 100

127 71.3 34.9 52.3#

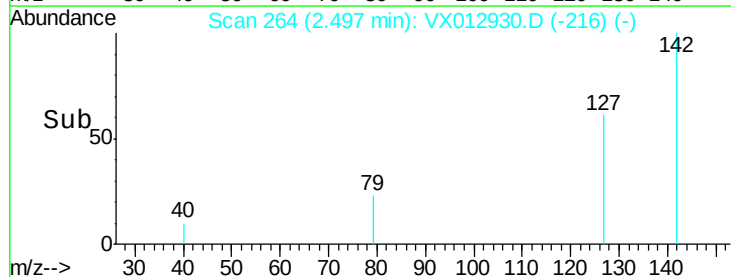
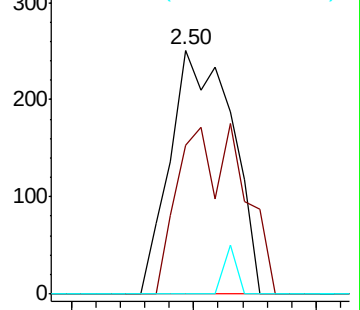
141 4.1 11.6 17.4#

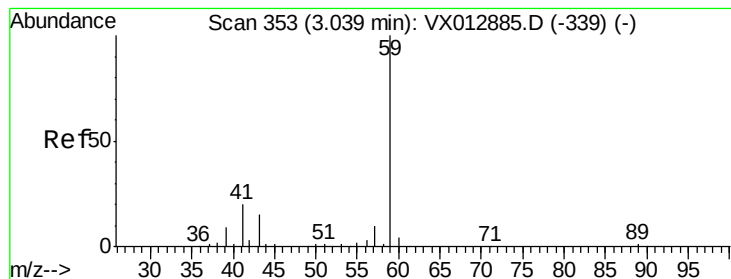


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



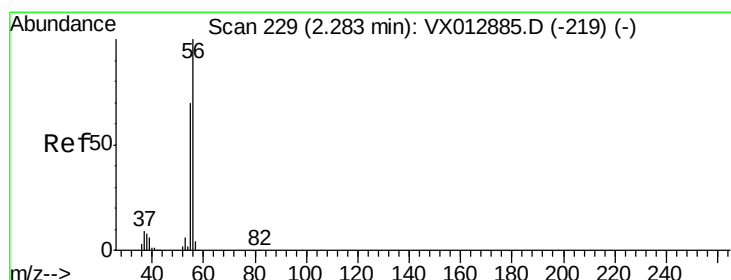
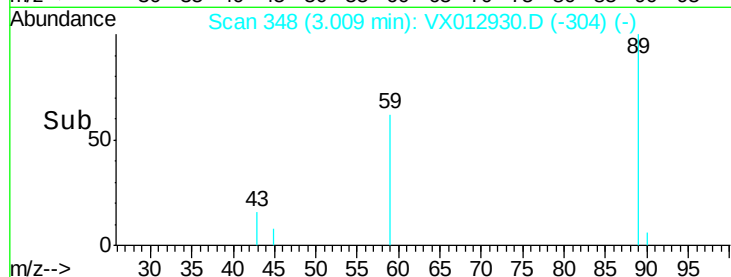
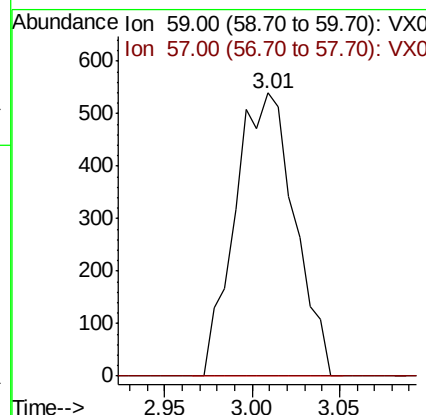
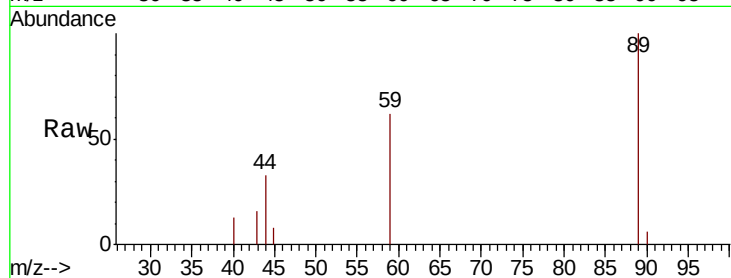


#11

Tert butyl alcohol
 Concen: 2.186 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.03 min
 Lab File: VX012930.D
 Acq: 09 Oct 2019 10:13

Instrument :
 MSVOA_X
 ClientSampled :

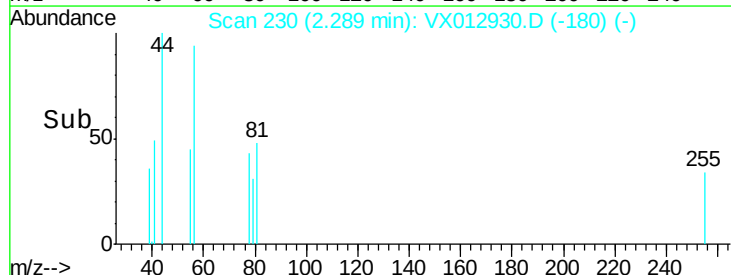
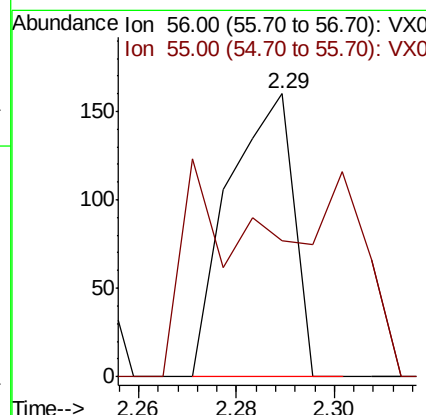
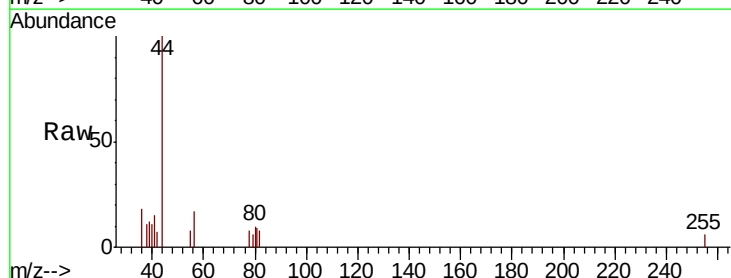
Tot Ion: 59 Resp: 1278
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

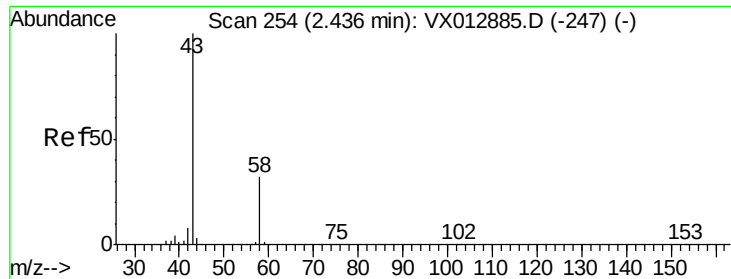


#13

Acrolein
 Concen: 0.354 ug/l
 RT: 2.29 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VX012930.D
 Acq: 09 Oct 2019 10:13

Tgt Ion: 56 Resp: 147
 Ion Ratio Lower Upper
 56 100
 55 87.8 56.6 85.0#





#16

Acetone

Concen: 0.504 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX012930.D

Acq: 09 Oct 2019 10:13

Instrument :

MSVOA_X

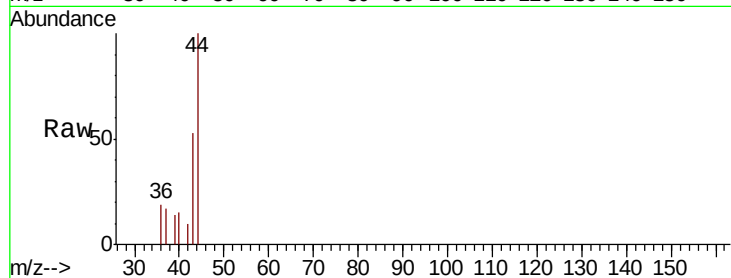
ClientSampled :

Tot Ion: 43 Resp: 586

Ion Ratio Lower Upper

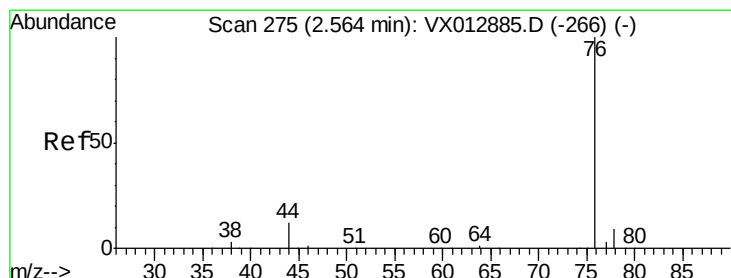
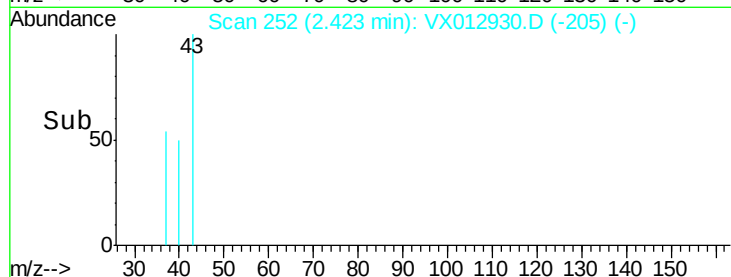
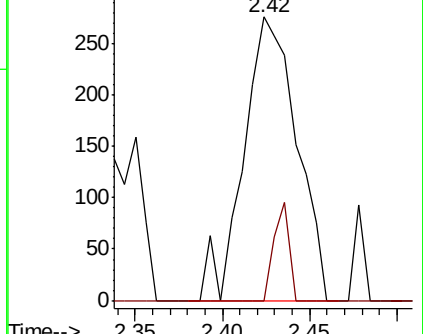
43 100

58 0.0 25.4 38.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.278 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX012930.D

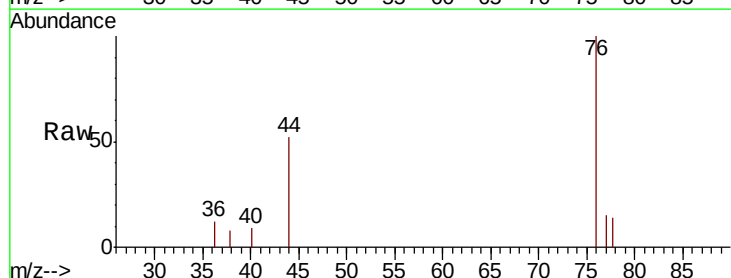
Acq: 09 Oct 2019 10:13

Tgt Ion: 76 Resp: 1412

Ion Ratio Lower Upper

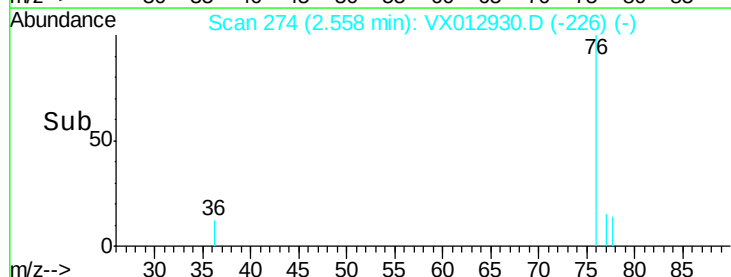
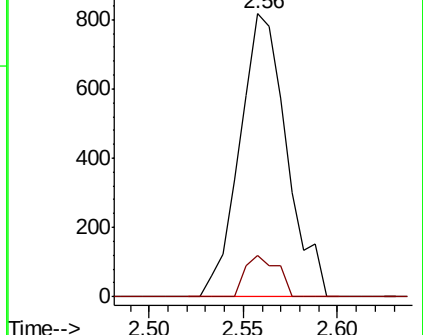
76 100

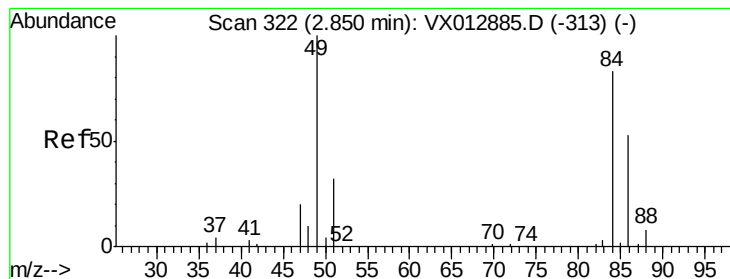
78 14.4 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#20

Methylene Chloride

Concen: 0.202 ug/l

RT: 2.86 min Scan# 323

Delta R.T. 0.01 min

Lab File: VX012930.D

Acq: 09 Oct 2019 10:13

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 84 Resp: 431

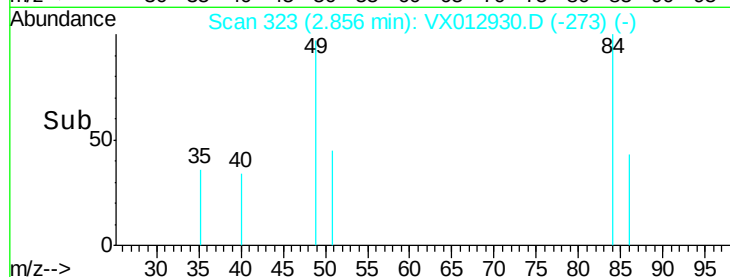
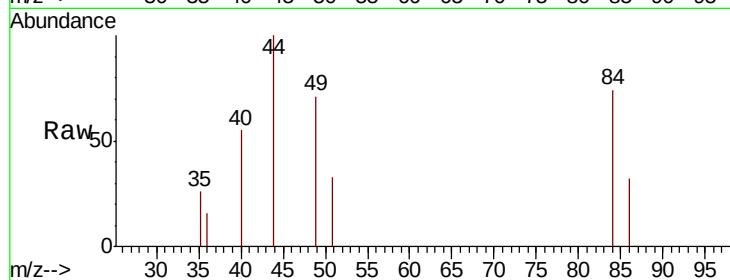
Ion Ratio Lower Upper

84 100

49 97.0 96.6 144.8

51 45.1 30.7 46.1

86 43.0 51.0 76.6#

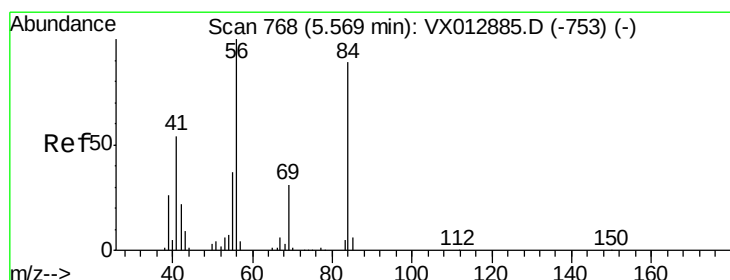
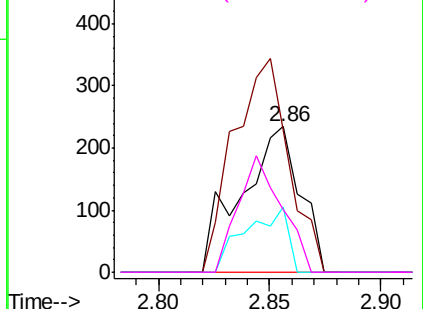


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#31

Cyclohexane

Concen: 1.255 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.07 min

Lab File: VX012930.D

Acq: 09 Oct 2019 10:13

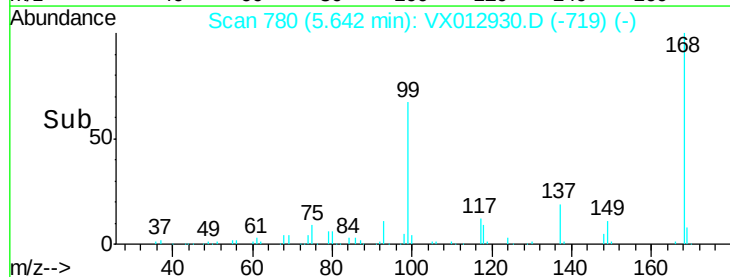
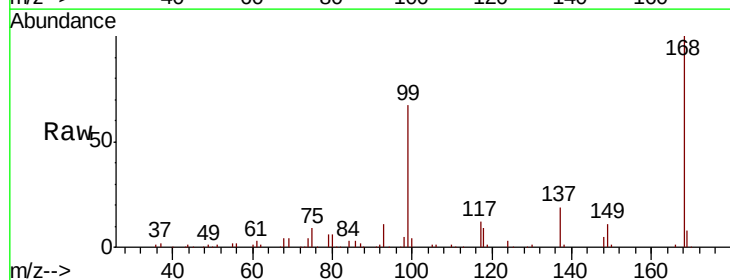
Tgt Ion: 56 Resp: 4017

Ion Ratio Lower Upper

56 100

69 178.7 25.2 37.8#

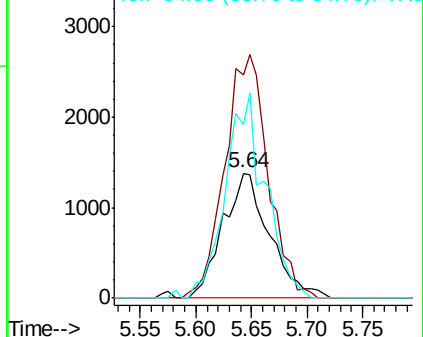
84 138.9 71.3 106.9#

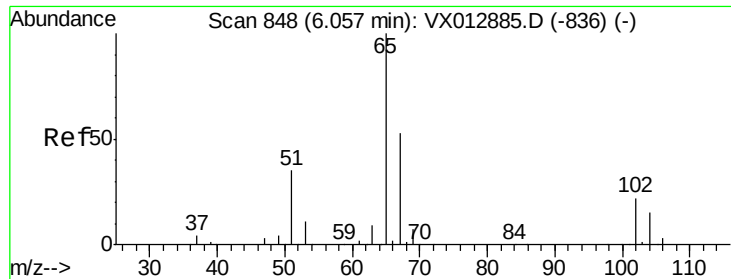


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

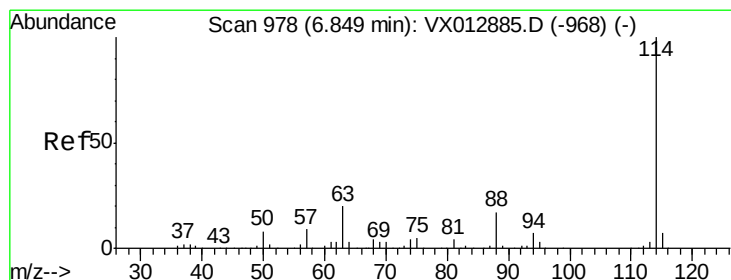
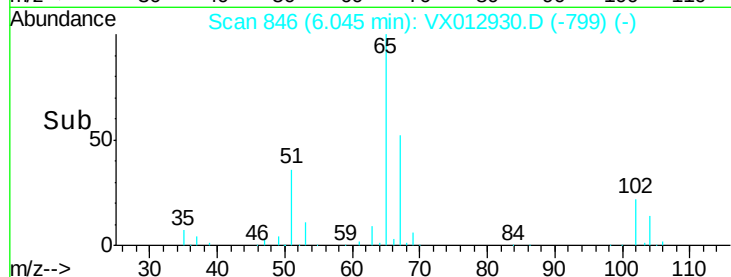
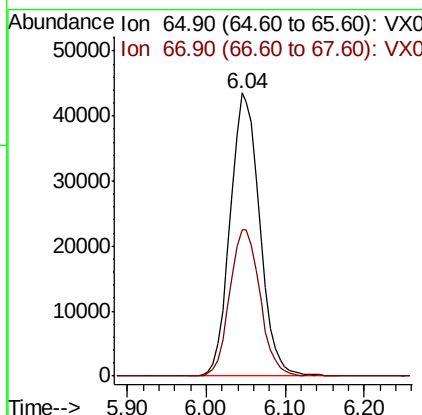
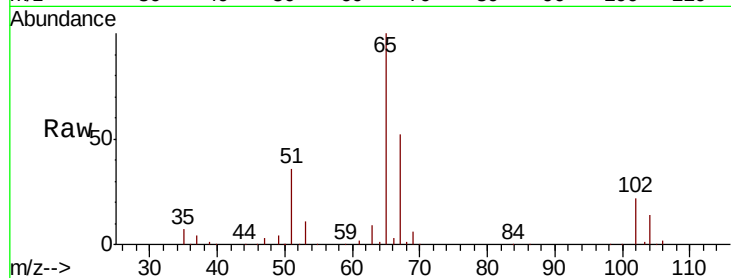




#33
 1,2-Dichloroethane-d4
 Concen: 51.348 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX012930.D
 Acq: 09 Oct 2019 10:13

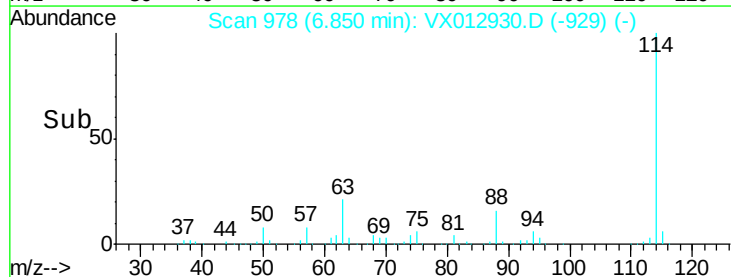
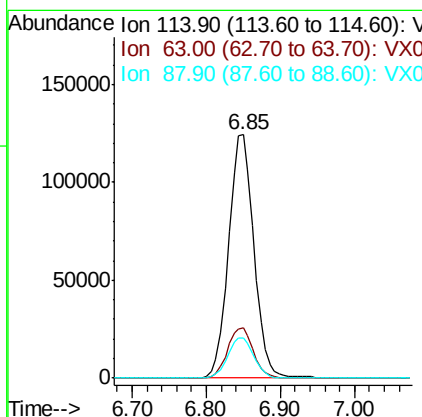
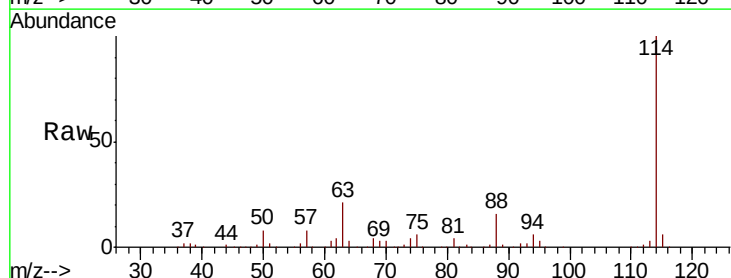
Instrument :
 MSVOA_X
 ClientSampleId :

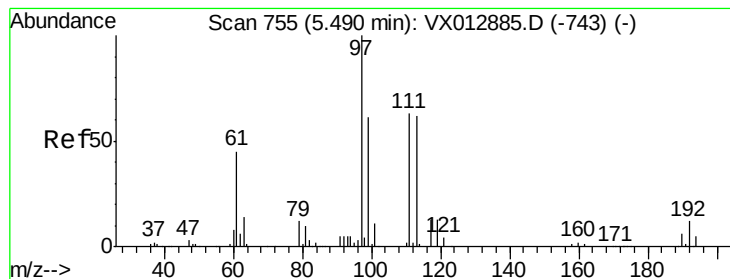
Tot Ion: 65 Resp: 113255
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012930.D
 Acq: 09 Oct 2019 10:13

Tgt Ion: 114 Resp: 296554
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.8
 88 16.4 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.950 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012930.D

Acq: 09 Oct 2019 10:13

Instrument :

MSVOA_X

ClientSampleId :

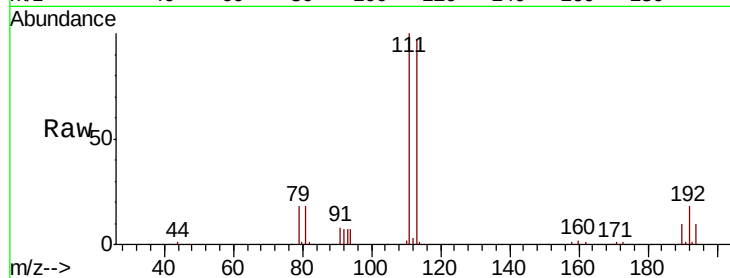
Tot Ion:113 Resp: 88423

Ion Ratio Lower Upper

113 100

111 102.9 83.2 124.8

192 19.2 15.4 23.2

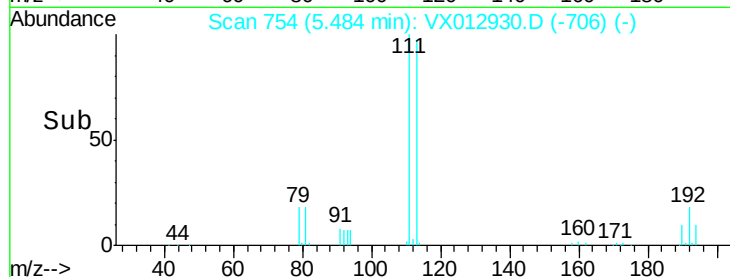


Abundance Ion 112.80 (112.50 to 113.50): V

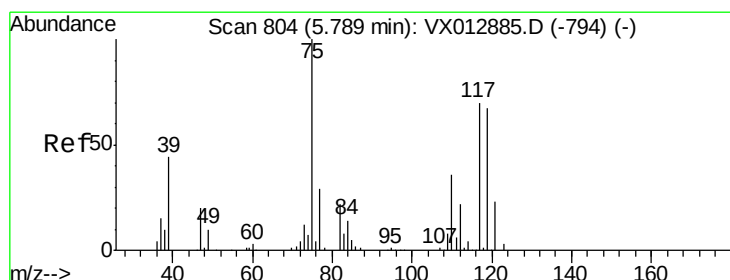
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time-->



Time-->



#36

1,1-Dichloropropene

Concen: 5.610 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012930.D

Acq: 09 Oct 2019 10:13

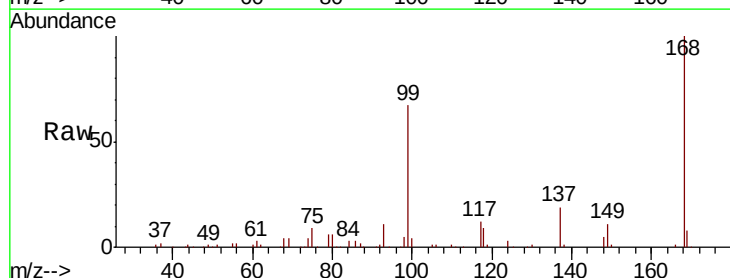
Tgt Ion: 75 Resp: 14627

Ion Ratio Lower Upper

75 100

110 9.9 17.6 52.9#

77 0.0 24.4 36.6#

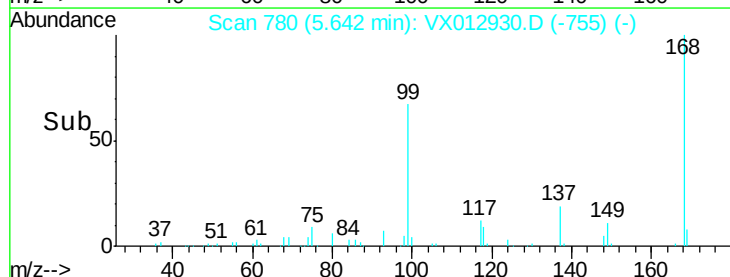


Abundance Ion 74.90 (74.60 to 75.60): VX0

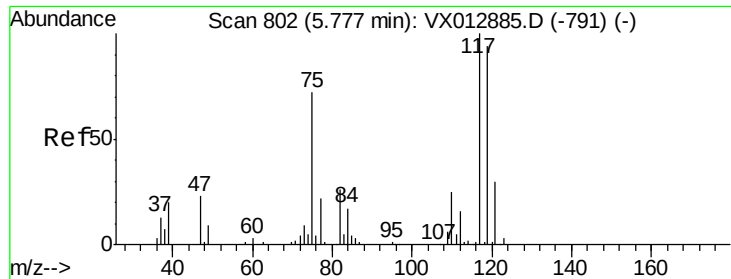
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

Time-->



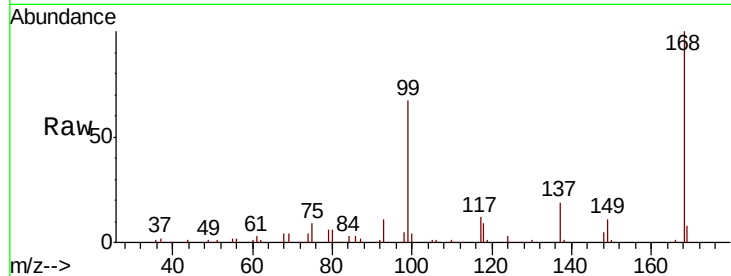
Time-->



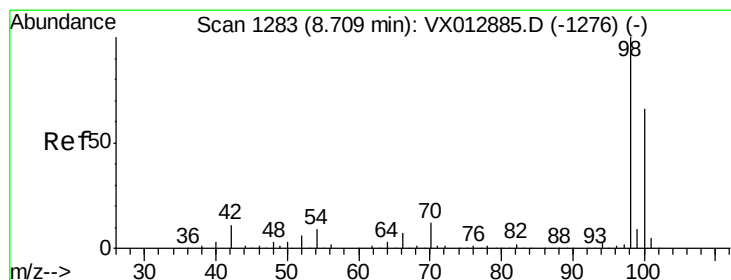
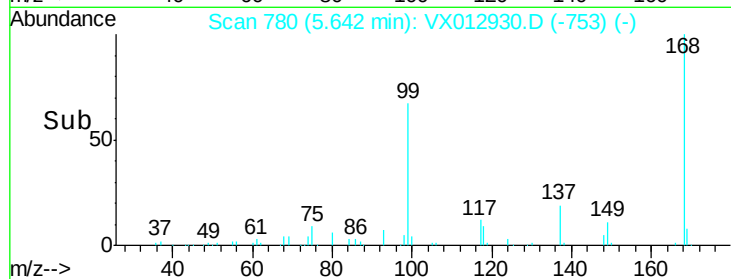
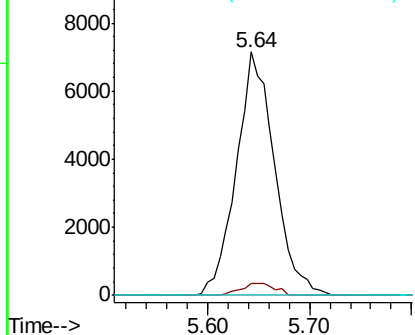
#38
Carbon Tetrachloride
Concen: 7.326 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX012930.D
Acq: 09 Oct 2019 10:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 18591
Ion Ratio Lower Upper
117 100
119 4.7 74.5 111.7#
121 0.0 24.2 36.4#

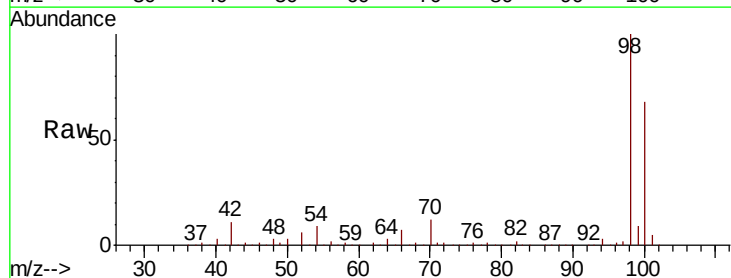


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

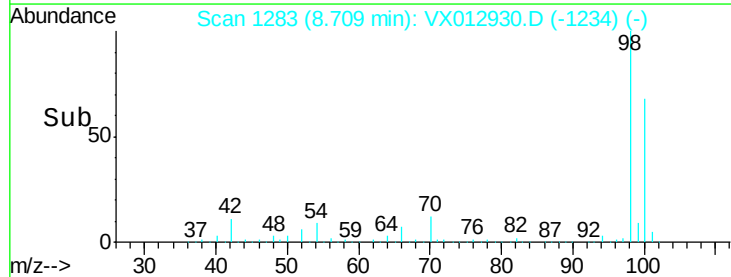
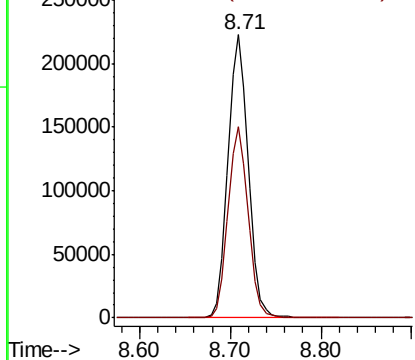


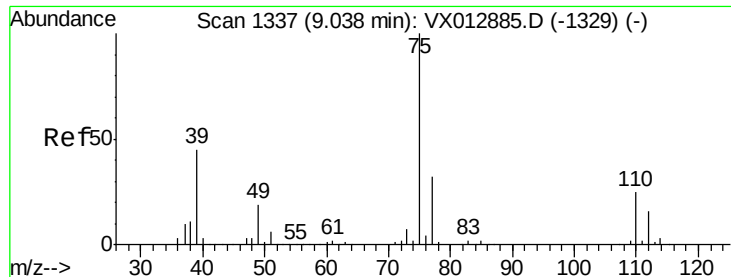
#50
Toluene-d8
Concen: 52.024 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012930.D
Acq: 09 Oct 2019 10:13

Tgt Ion: 98 Resp: 345360
Ion Ratio Lower Upper
98 100
100 67.4 53.4 80.2



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

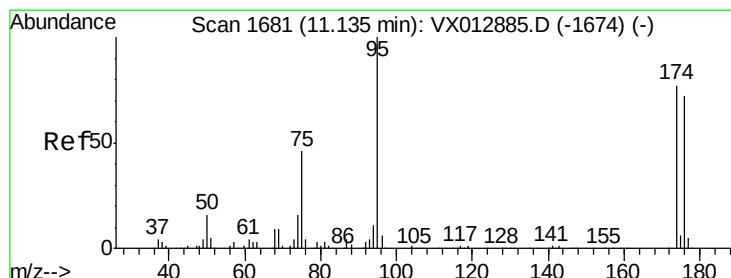
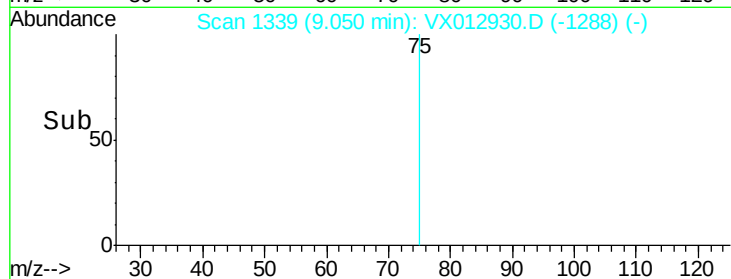
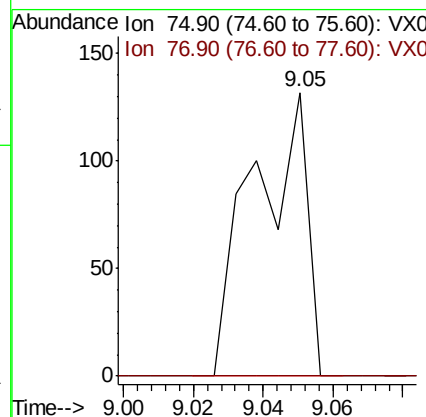
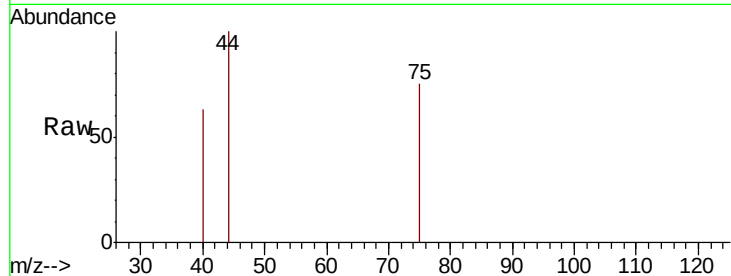




#53
t-1,3-Dichloropropene
Concen: 2.211 ug/l
RT: 9.05 min Scan# 1339
Delta R.T. 0.01 min
Lab File: VX012930.D
Acq: 09 Oct 2019 10:13

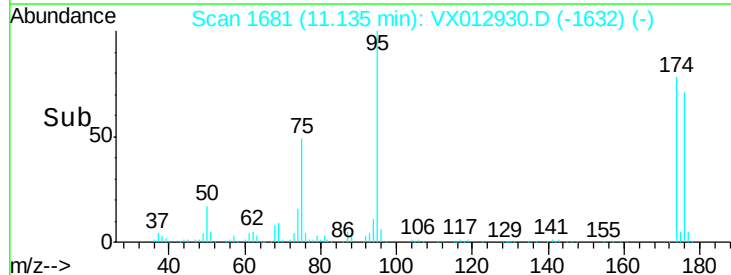
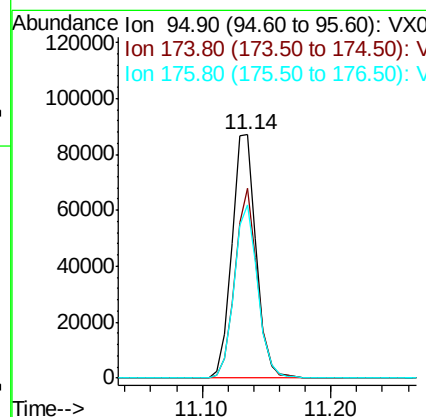
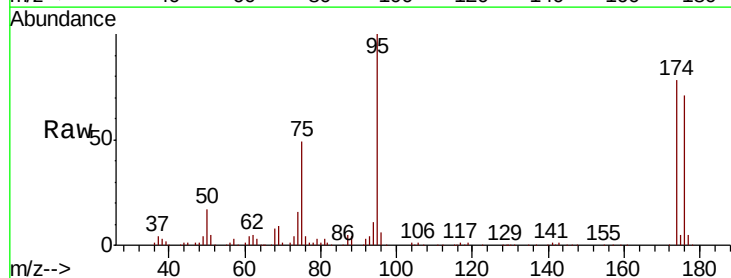
Instrument :
MSVOA_X
ClientSampleId :

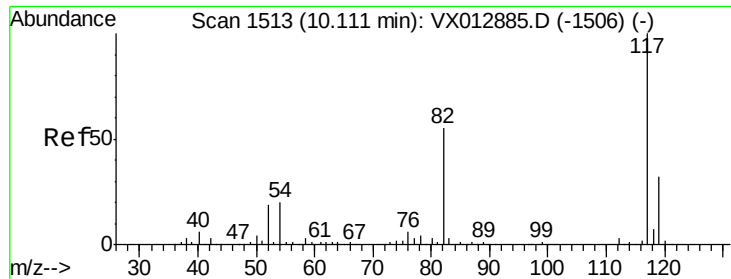
Tot Ion: 75 Resp: 141
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#



#62
4-Bromofluorobenzene
Concen: 44.831 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012930.D
Acq: 09 Oct 2019 10:13

Tgt Ion: 95 Resp: 115637
Ion Ratio Lower Upper
95 100
174 71.6 0.0 143.4
176 68.6 0.0 136.0

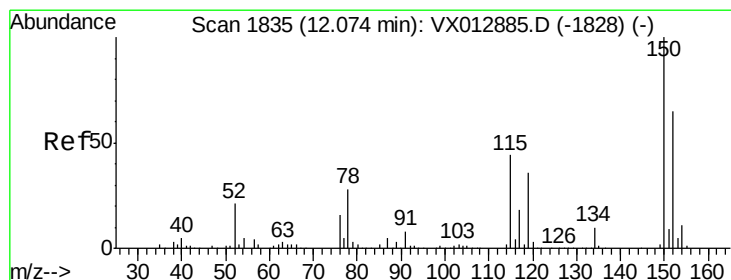
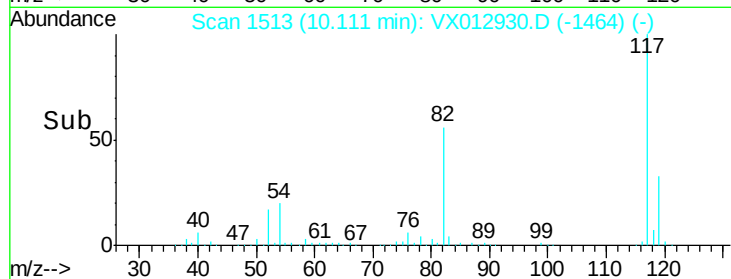
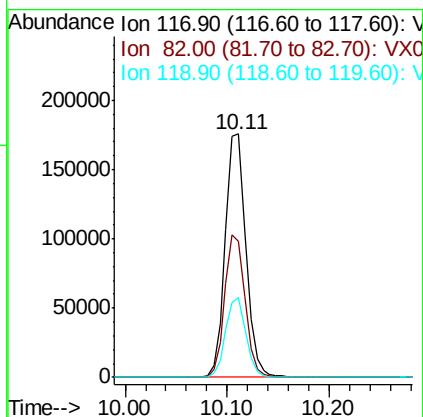
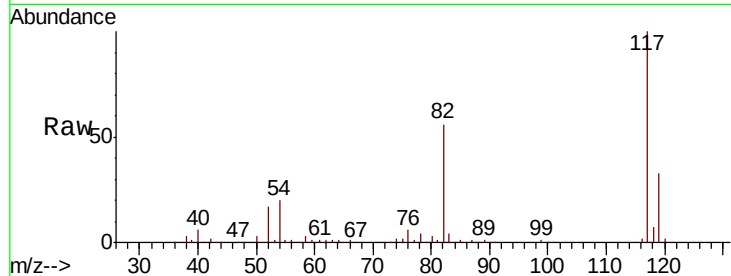




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012930.D
Acq: 09 Oct 2019 10:13

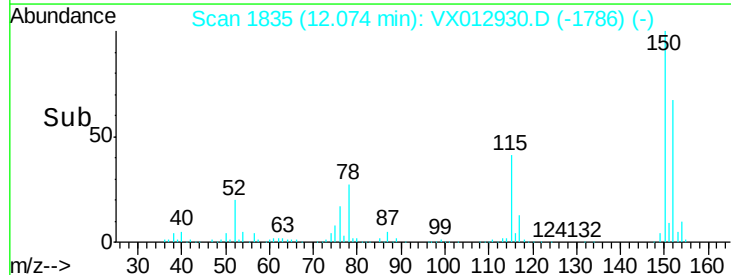
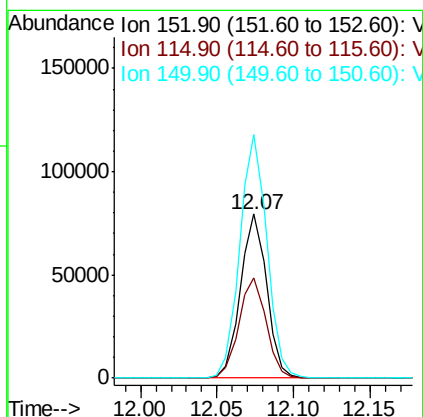
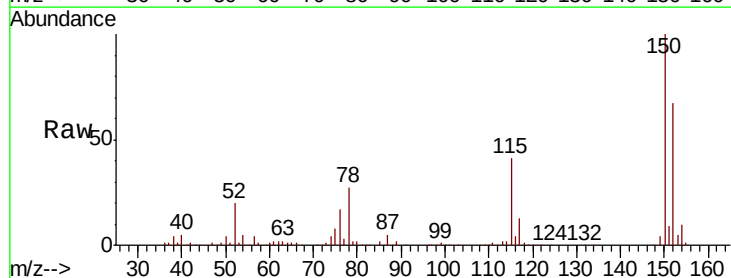
Instrument :
MSVOA_X
ClientSampleId :

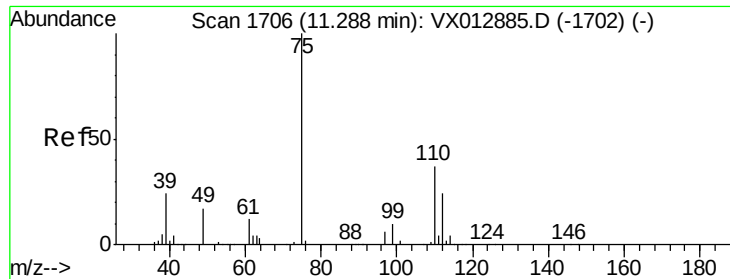
Tot Ion:117 Resp: 248315
Ion Ratio Lower Upper
117 100
82 56.0 44.1 66.1
119 32.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012930.D
Acq: 09 Oct 2019 10:13

Tgt Ion:152 Resp: 94274
Ion Ratio Lower Upper
152 100
115 63.7 44.5 133.5
150 153.7 0.0 353.4





#76

1,2,3-Trichloropropane

Concen: 27.803 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012930.D

Acq: 09 Oct 2019 10:13

Instrument :

MSVOA_X

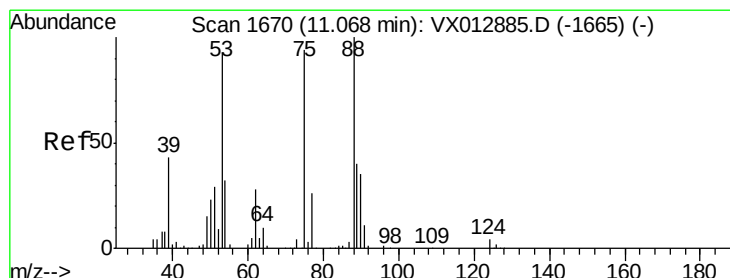
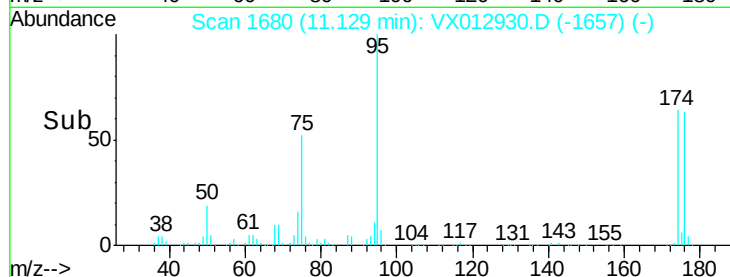
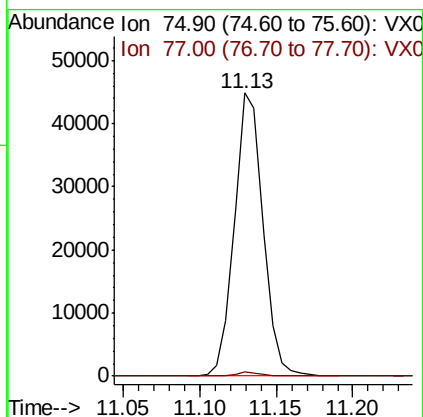
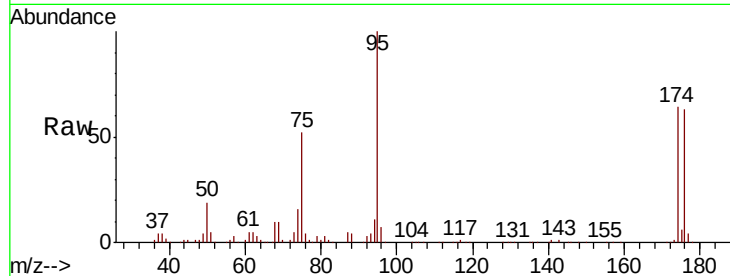
ClientSampled :

Tot Ion: 75 Resp: 58136

Ion Ratio Lower Upper

75 100

77 1.1 22.9 68.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.739 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012930.D

Acq: 09 Oct 2019 10:13

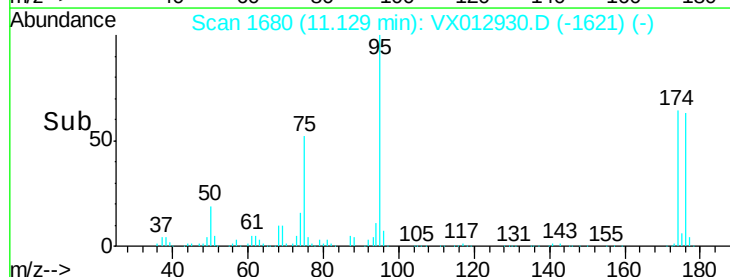
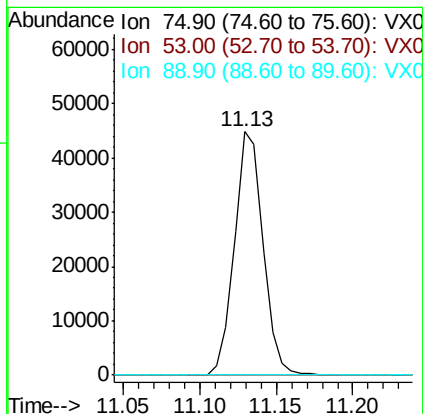
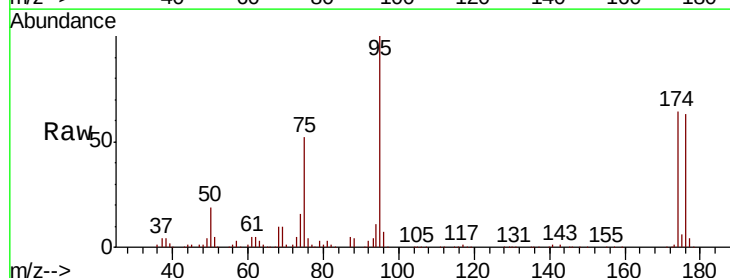
Tgt Ion: 75 Resp: 58136

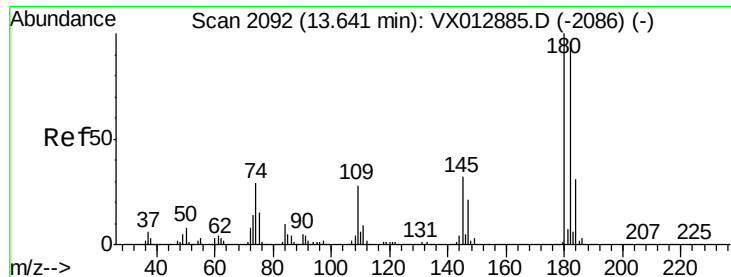
Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.265 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX012930.D

Acq: 09 Oct 2019 10:13

Instrument :

MSVOA_X

ClientSampleId :

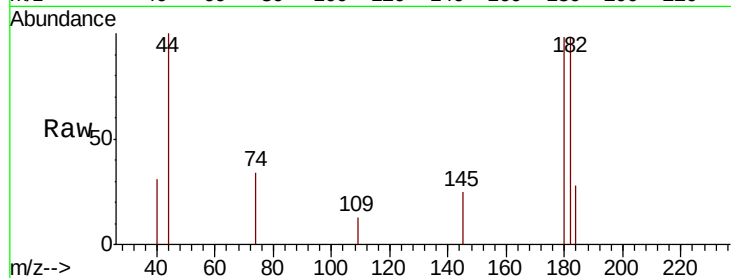
Tot Ion:180 Resp: 493

Ion Ratio Lower Upper

180 100

182 73.0 46.8 140.4

145 22.1 16.2 48.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

