

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010620\
 Data File : VX014419.D
 Acq On : 06 Jan 2020 11:26
 Operator : JC/SP
 Sample : VX0106MBL01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 06 15:56:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	584556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	888702	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	799701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	360082	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	319485	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
35) Dibromofluoromethane	5.49	113	265936	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
50) Toluene-d8	8.71	98	1038860	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.13	95	360854	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	

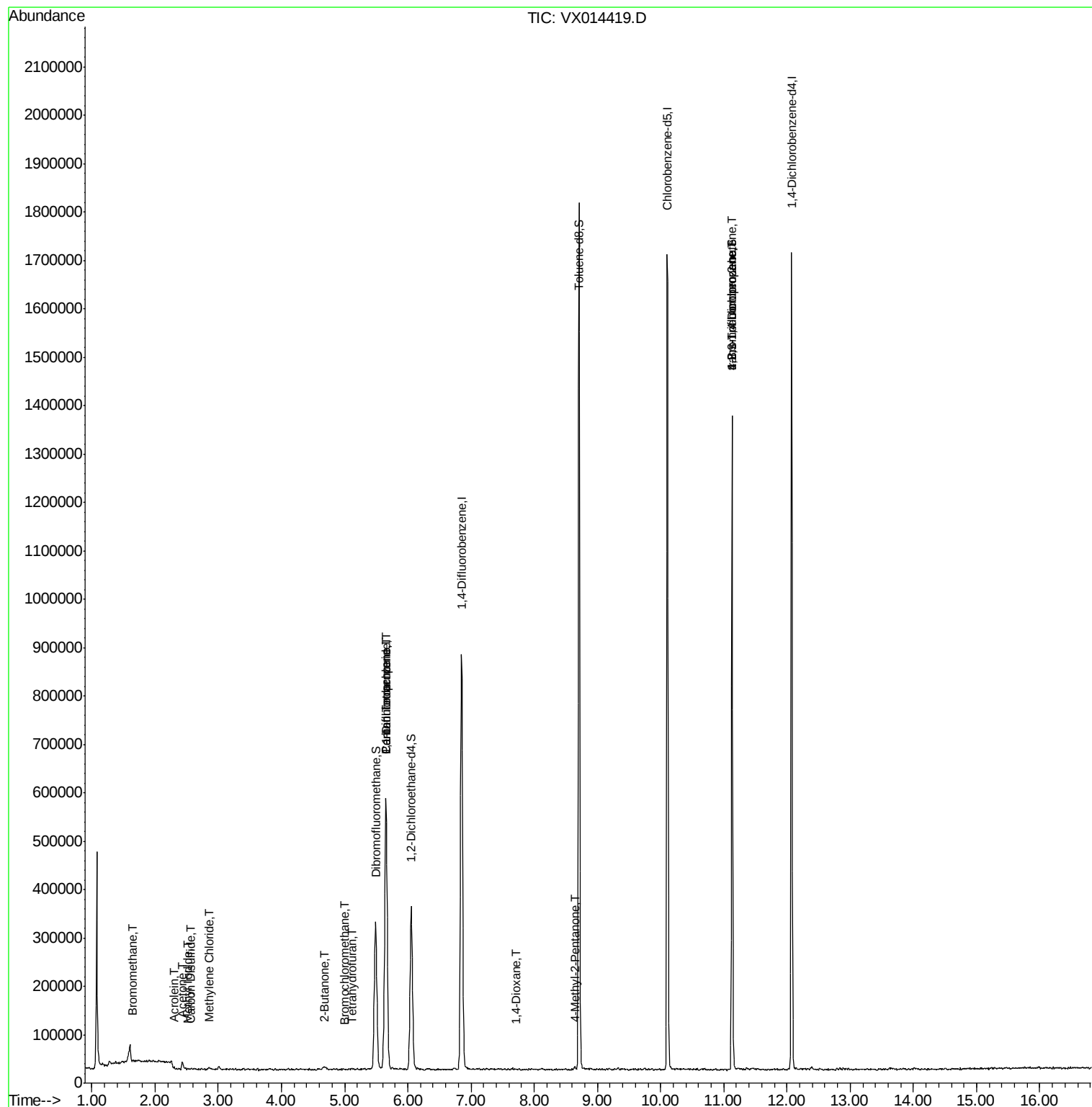
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1786	0.340	ug/l	94
10) Methyl Iodide	2.51	142	1071	2.760	ug/l #	70
13) Acrolein	2.30	56	210	0.256	ug/l #	14
16) Acetone	2.43	43	19849	4.615	ug/l #	86
17) Carbon Disulfide	2.56	76	2063	0.880	ug/l #	75
20) Methylene Chloride	2.85	84	2270	0.335	ug/l #	86
25) 2-Butanone	4.68	43	5866	1.106	ug/l	94
28) Bromochloromethane	5.01	49	1014	0.688	ug/l #	68
29) Tetrahydrofuran	5.12	42	796	0.268	ug/l #	87
36) 1,1-Dichloropropene	5.65	75	39657	4.863	ug/l #	52
38) Carbon Tetrachloride	5.65	117	50196	6.757	ug/l #	17
49) 1,4-Dioxane	7.72	88	144	0.970	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	3714	0.397	ug/l #	87
76) 1,2,3-Trichloropropane	11.13	75	175417	22.440	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	175417	63.336	ug/l #	12

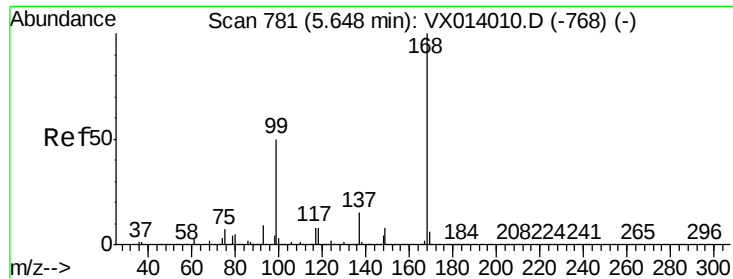
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010620\
Data File : VX014419.D
Acq On : 06 Jan 2020 11:26
Operator : JC/SP
Sample : VX0106MBL01
Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 06 15:56:49 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 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: VX014419.D

Acq: 06 Jan 2020 11:26

Instrument :

MSVOA_X

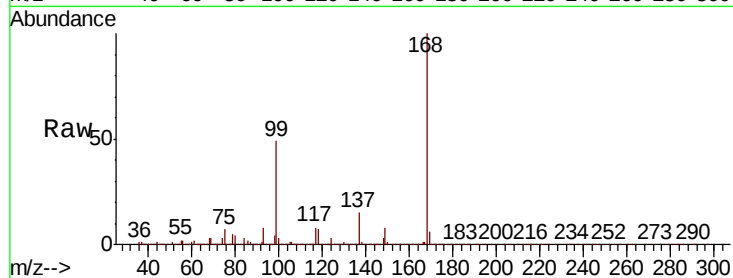
ClientSampleId :

Tot Ion:168 Resp: 584556

Ion Ratio Lower Upper

168 100

99 48.5 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

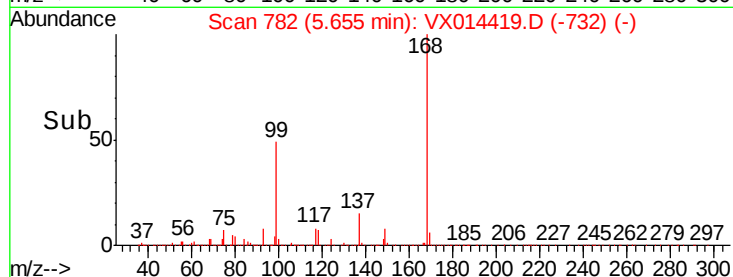
150000

100000

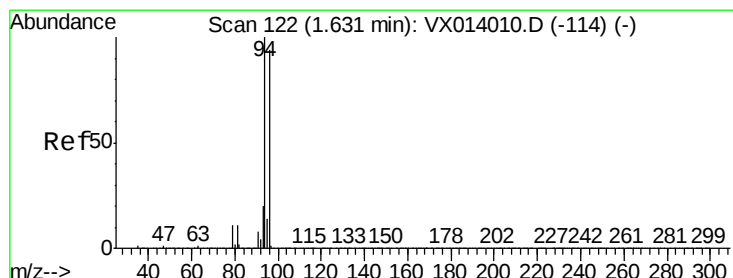
50000

0

5.50 5.60 5.70 5.80



Time-->



#5

Bromomethane

Concen: 0.340 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014419.D

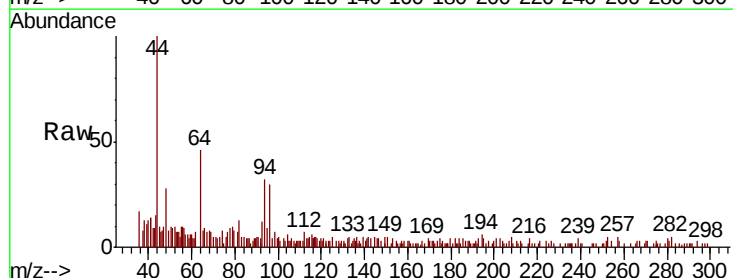
Acq: 06 Jan 2020 11:26

Tgt Ion: 94 Resp: 1786

Ion Ratio Lower Upper

94 100

96 99.4 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1200

1000

800

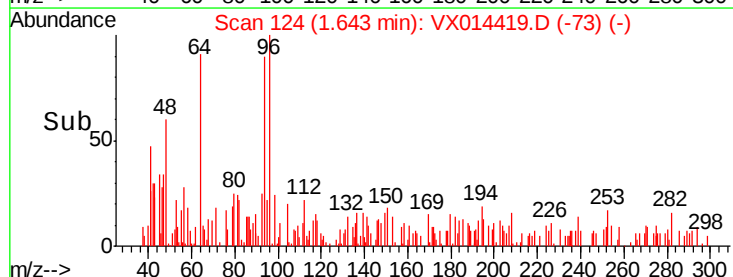
600

400

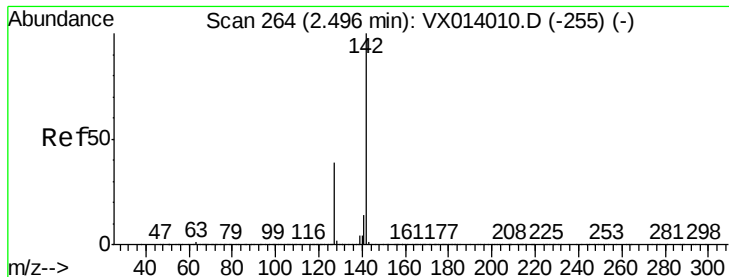
200

0

1.60 1.65 1.70



Time-->



#10

Methvl Iodide

Concen: 2.760 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX014419.D

Acq: 06 Jan 2020 11:26

Instrument :

MSVOA_X

ClientSampled :

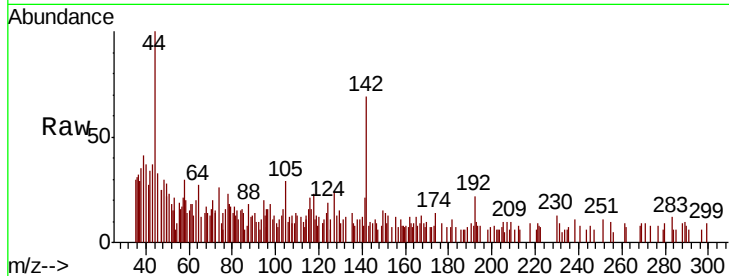
Tot Ion:142 Resp: 1071

Ion Ratio Lower Upper

142 100

127 52.7 31.6 47.4#

141 36.4 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

2.51

600

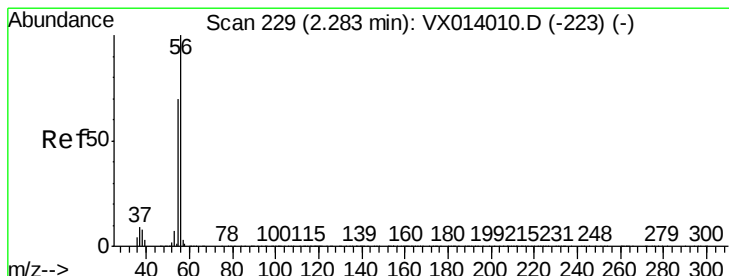
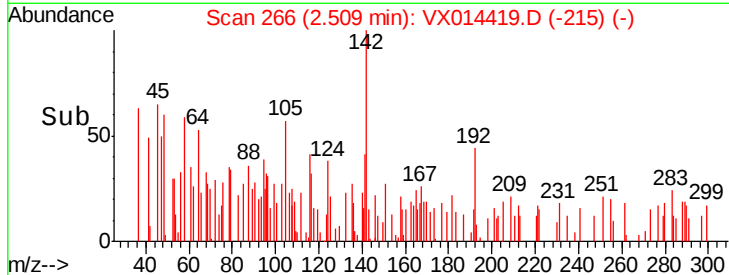
400

200

0

Time-->

2.45 2.50 2.55



#13

Acrolein

Concen: 0.256 ug/l

RT: 2.30 min Scan# 232

Delta R.T. 0.02 min

Lab File: VX014419.D

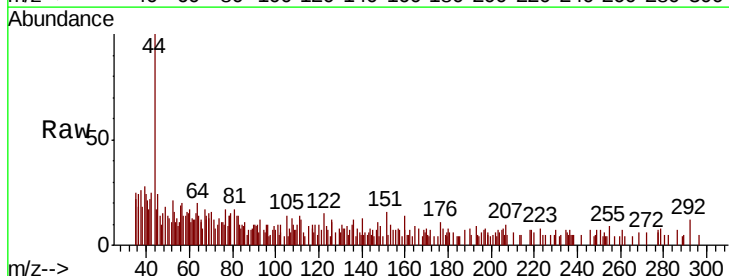
Acq: 06 Jan 2020 11:26

Tgt Ion: 56 Resp: 210

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

600

500

400

300

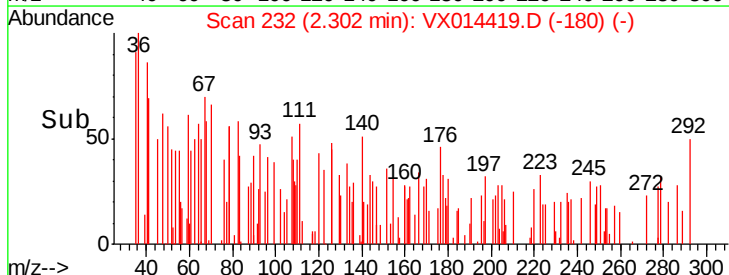
200

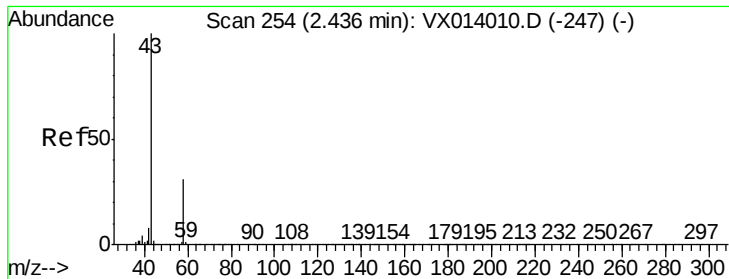
100

0

Time-->

2.28 2.30 2.32

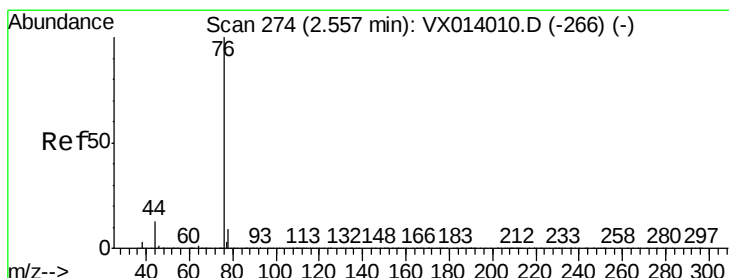
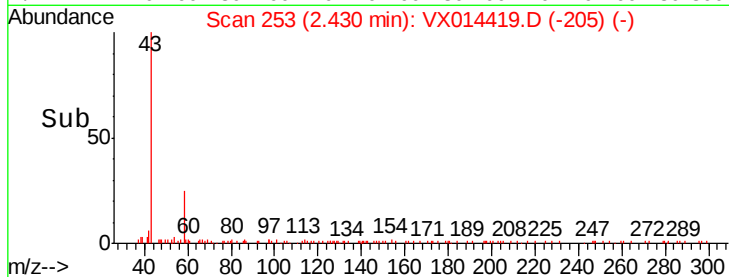
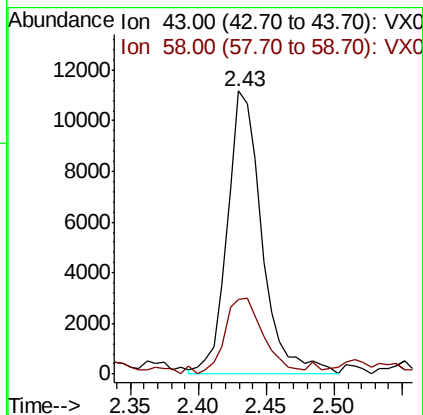
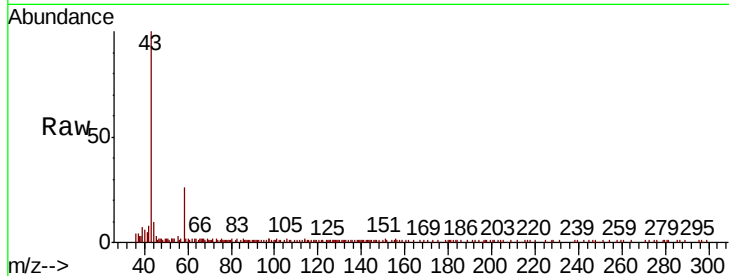




#16
Acetone
Concen: 4.615 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014419.D
Acq: 06 Jan 2020 11:26

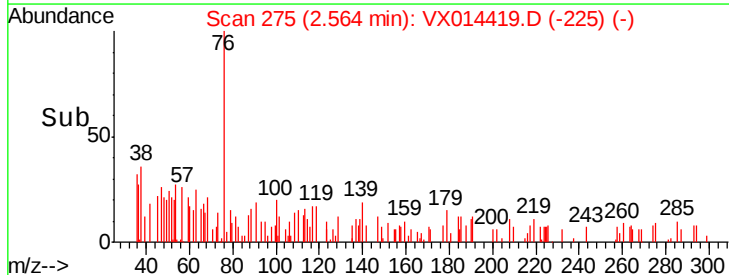
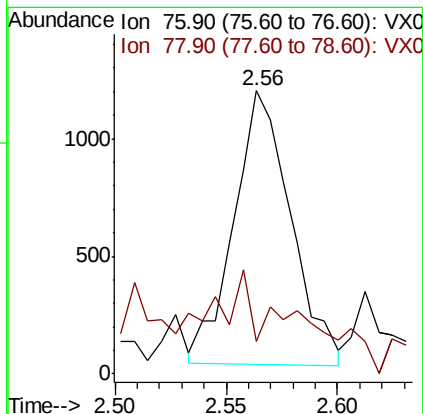
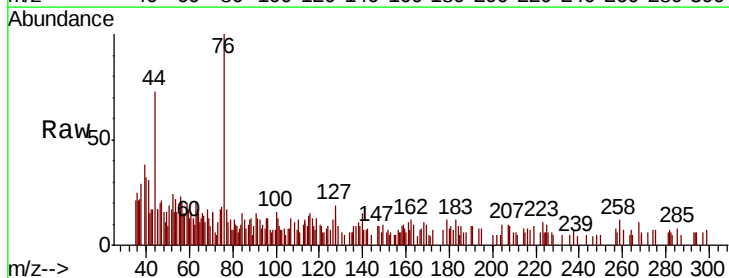
Instrument :
MSVOA_X
ClientSampleId :

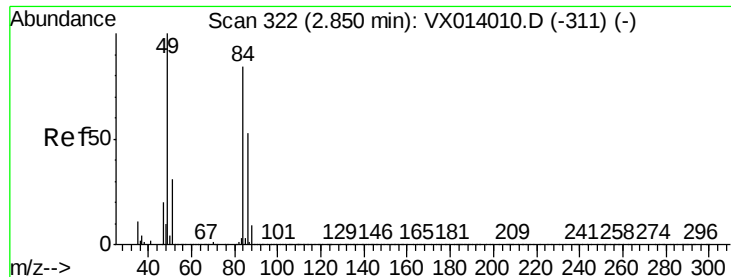
Tot Ion: 43 Resp: 19849
Ion Ratio Lower Upper
43 100
58 23.4 24.9 37.3#



#17
Carbon Disulfide
Concen: 0.880 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX014419.D
Acq: 06 Jan 2020 11:26

Tgt Ion: 76 Resp: 2063
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

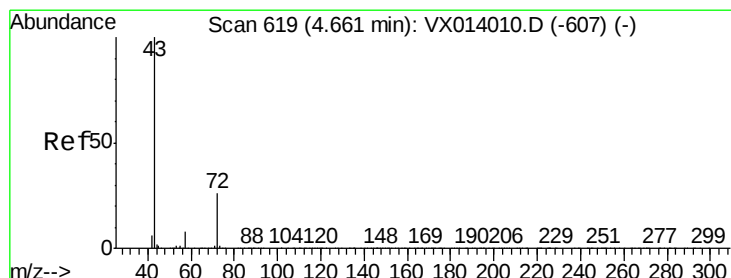
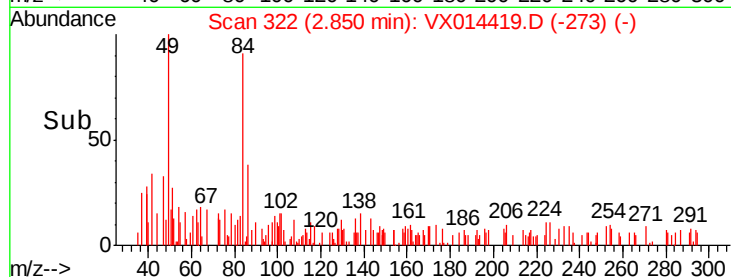
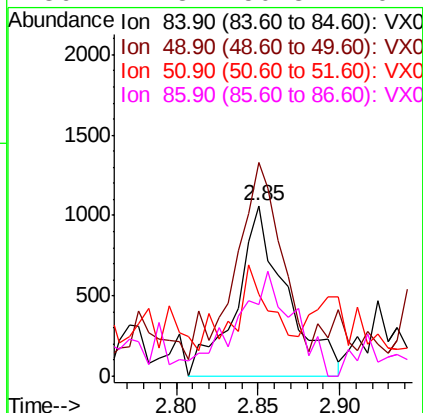
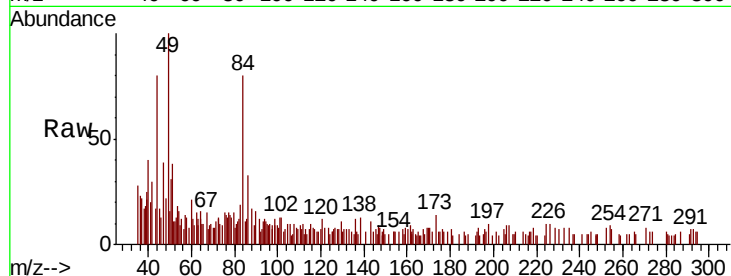




#20
Methvlene Chloride
Concen: 0.335 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014419.D
Acq: 06 Jan 2020 11:26

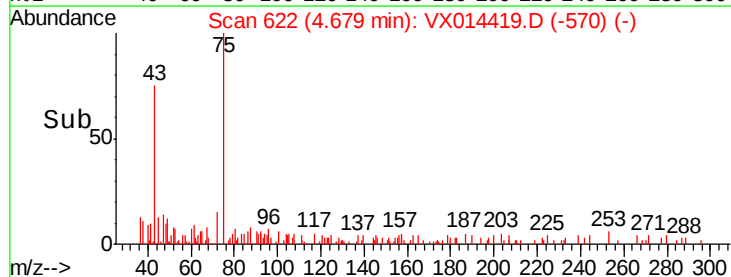
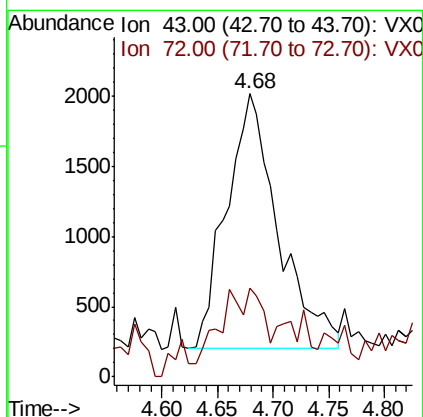
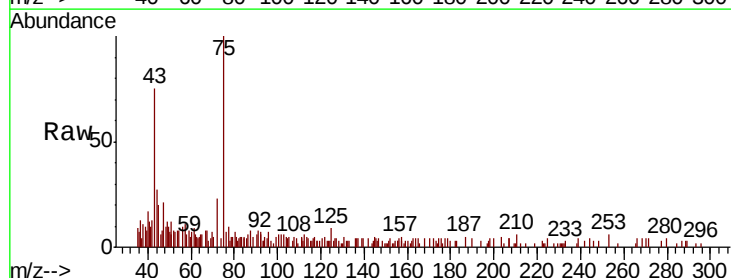
Instrument :
MSVOA_X
ClientSampleId :

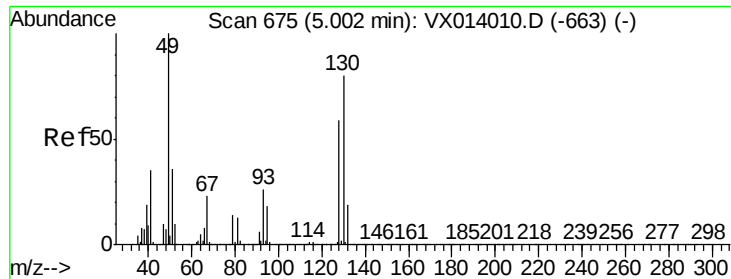
Tot Ion: 84 Resp: 2270
Ion Ratio Lower Upper
84 100
49 115.4 95.8 143.6
51 24.4 29.8 44.8#
86 41.8 50.8 76.2#



#25
2-Butanone
Concen: 1.106 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX014419.D
Acq: 06 Jan 2020 11:26

Tgt Ion: 43 Resp: 5866
Ion Ratio Lower Upper
43 100
72 29.3 21.0 31.4





#28

Bromochloromethane

Concen: 0.688 ug/l

RT: 5.01 min Scan# 676

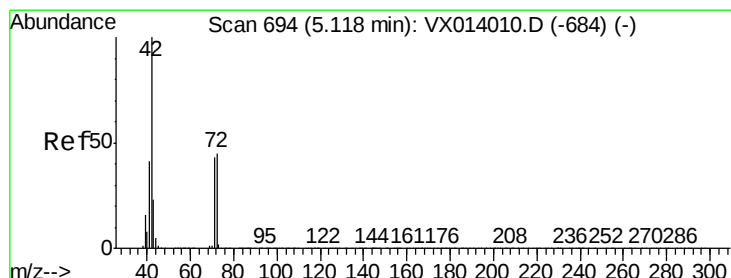
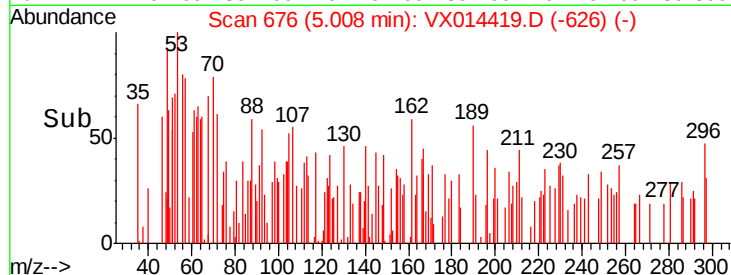
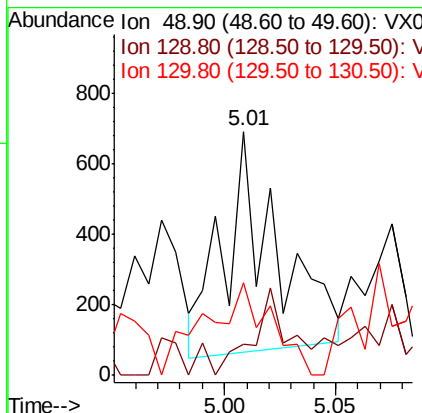
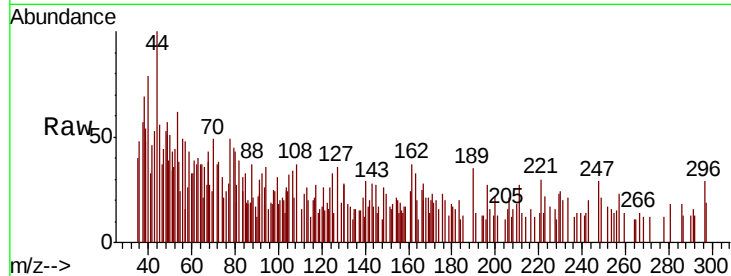
Delta R.T. 0.01 min

Lab File: VX014419.D

Acq: 06 Jan 2020 11:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 1014
Ion Ratio Lower Upper
49 100
129 27.8 0.0 5.0#
130 53.6 64.6 97.0#



#29

Tetrahydrofuran

Concen: 0.268 ug/l

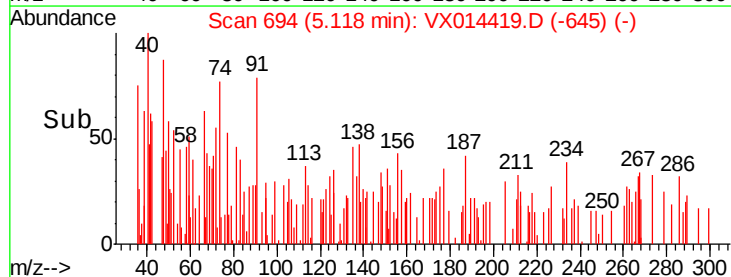
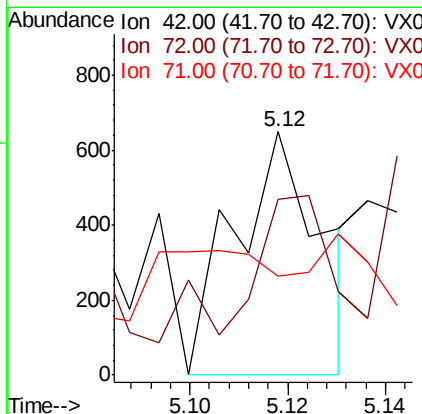
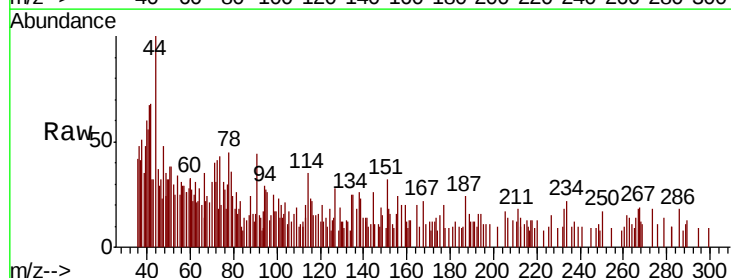
RT: 5.12 min Scan# 694

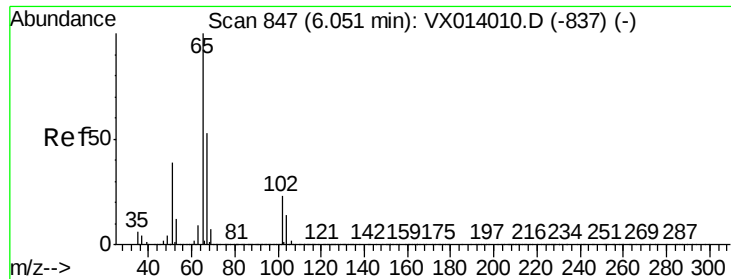
Delta R.T. 0.00 min

Lab File: VX014419.D

Acq: 06 Jan 2020 11:26

Tgt Ion: 42 Resp: 796
Ion Ratio Lower Upper
42 100
72 58.8 35.8 53.8#
71 39.4 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 48.223 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014419.D

Acq: 06 Jan 2020 11:26

Instrument :

MSVOA_X

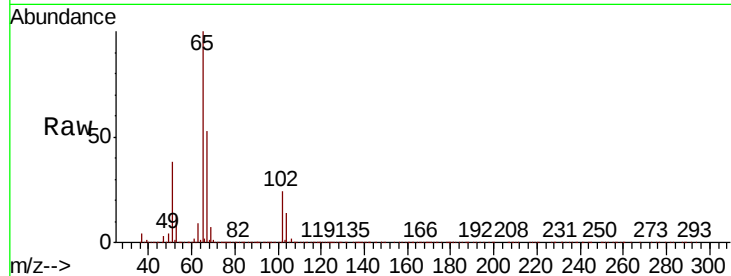
ClientSampled :

Tot Ion: 65 Resp: 319485

Ion Ratio Lower Upper

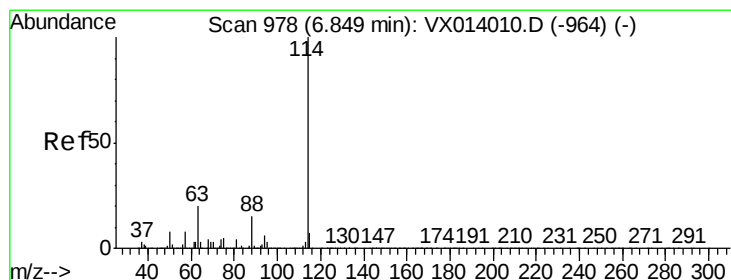
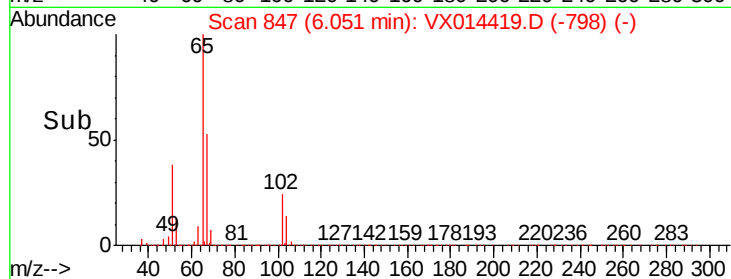
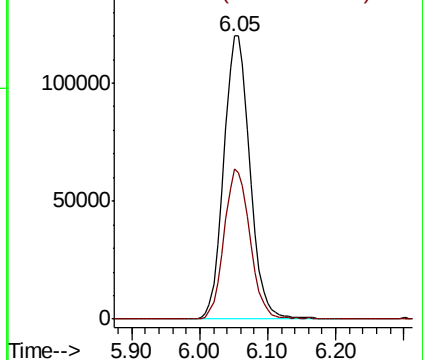
65 100

67 52.0 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014419.D

Acq: 06 Jan 2020 11:26

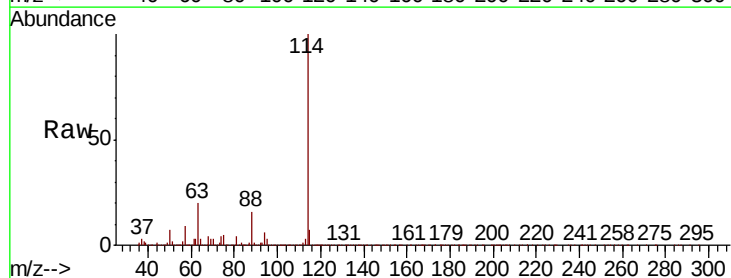
Tgt Ion: 114 Resp: 888702

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

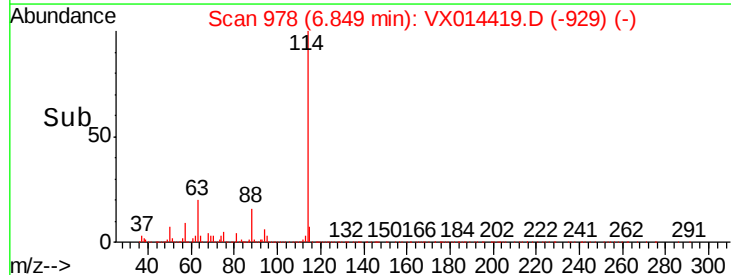
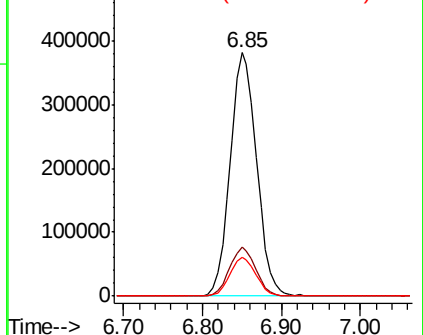
88 15.7 0.0 30.4

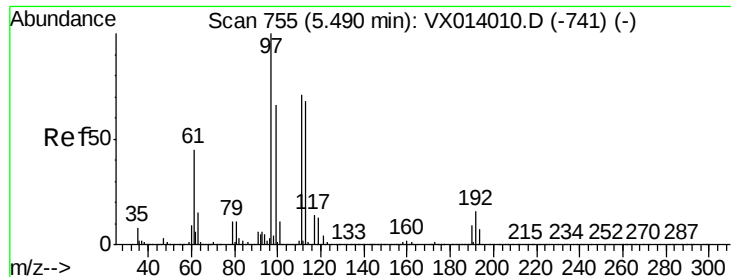


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.226 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014419.D

Acq: 06 Jan 2020 11:26

Instrument :
MSVOA_X
ClientSampleId :

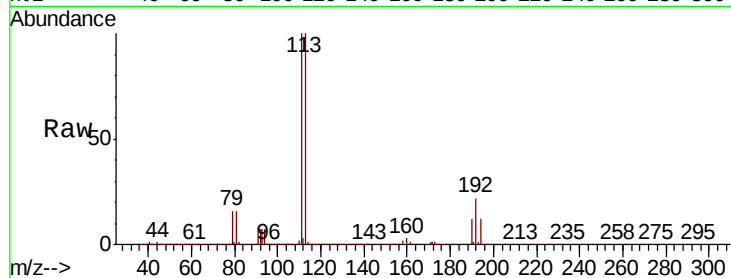
Tot Ion:113 Resp: 265936

Ion Ratio Lower Upper

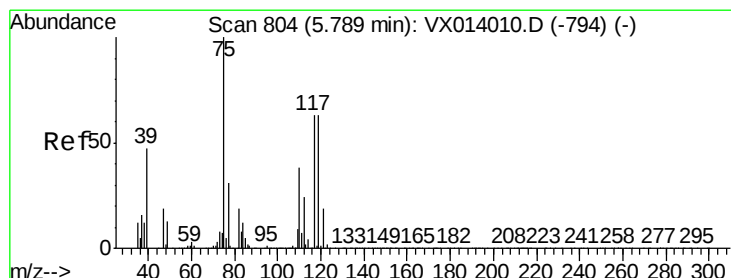
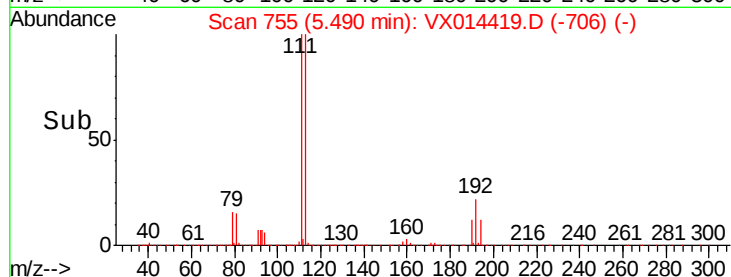
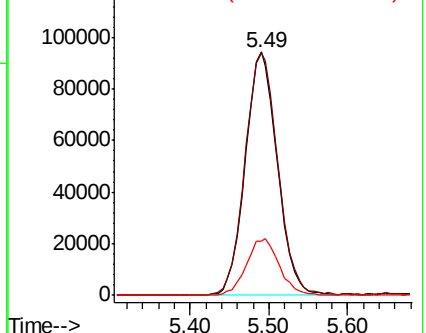
113 100

111 102.3 82.0 123.0

192 24.0 19.3 28.9



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.863 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX014419.D

Acq: 06 Jan 2020 11:26

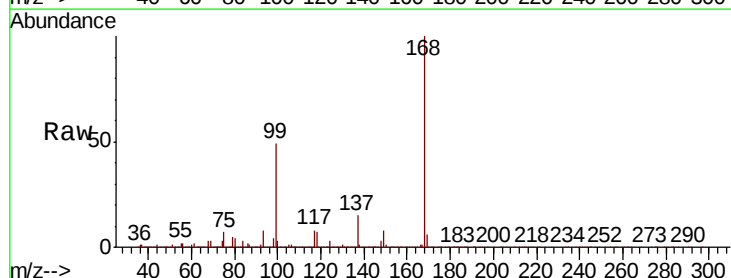
Tgt Ion: 75 Resp: 39657

Ion Ratio Lower Upper

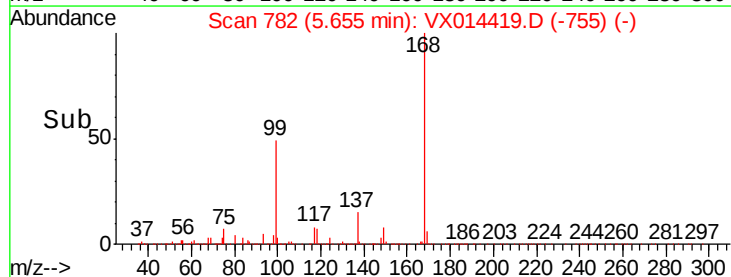
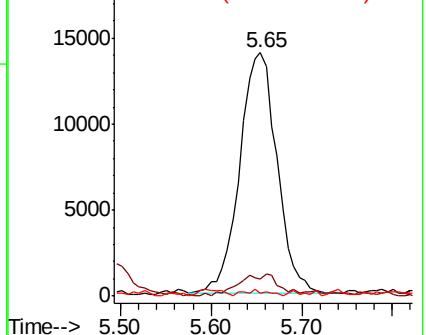
75 100

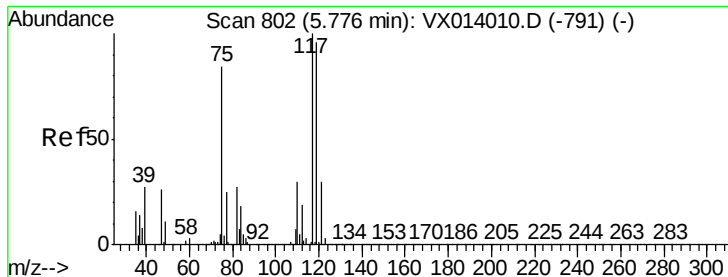
110 10.4 18.3 54.9#

77 1.6 24.8 37.2#



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: 6.757 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014419.D

Acq: 06 Jan 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

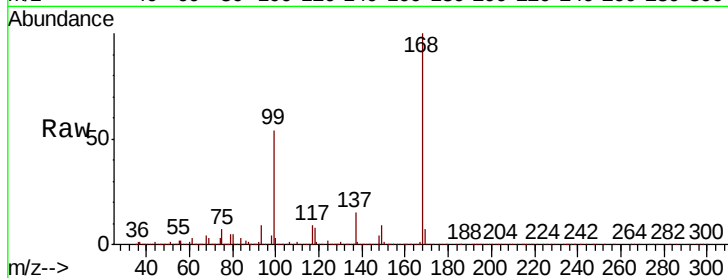
Tot Ion:117 Resp: 50196

Ion Ratio Lower Upper

117 100

119 6.0 76.2 114.4#

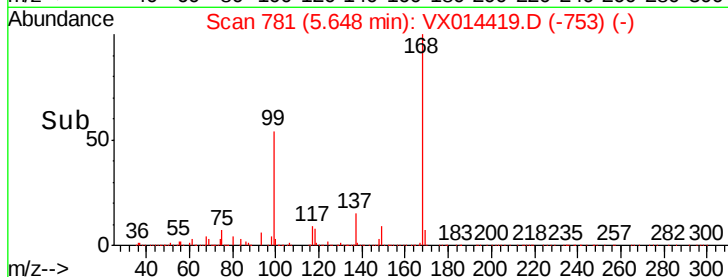
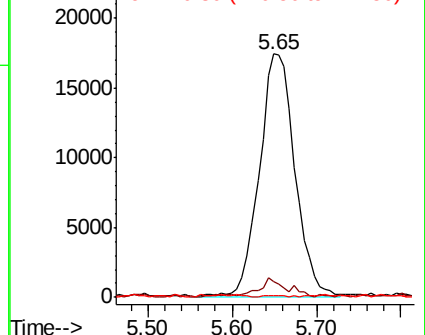
121 0.9 23.6 35.4#



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



#49

1,4-Dioxane

Concen: 0.970 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VX014419.D

Acq: 06 Jan 2020 11:26

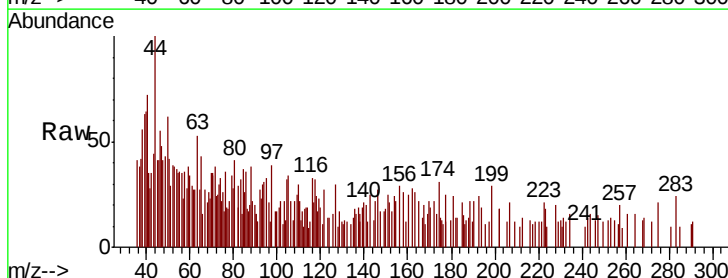
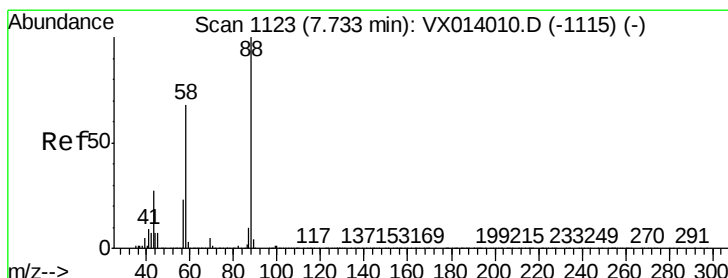
Tgt Ion: 88 Resp: 144

Ion Ratio Lower Upper

88 100

43 0.0 26.5 39.7#

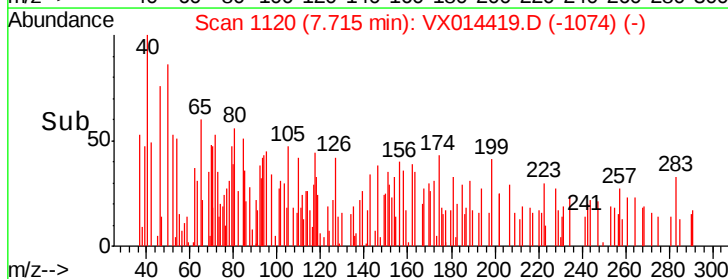
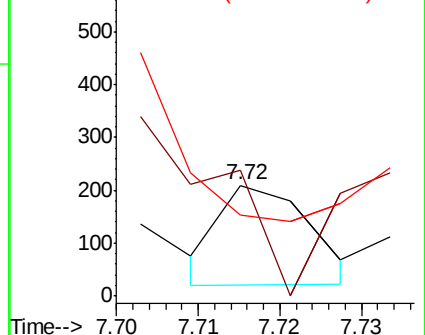
58 195.8 56.8 85.2#

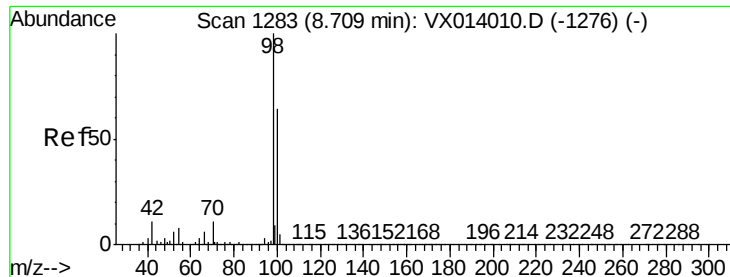


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.393 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014419.D

Acq: 06 Jan 2020 11:26

Instrument :

MSVOA_X

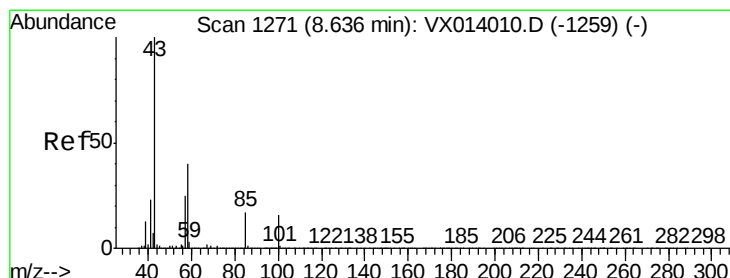
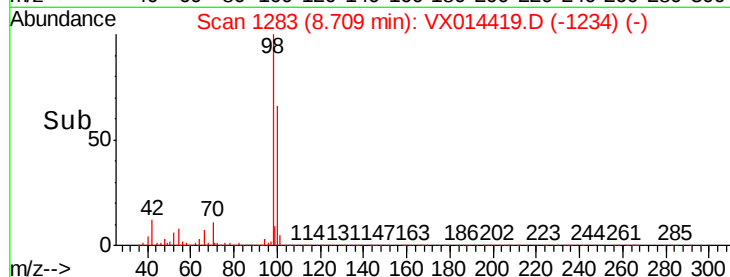
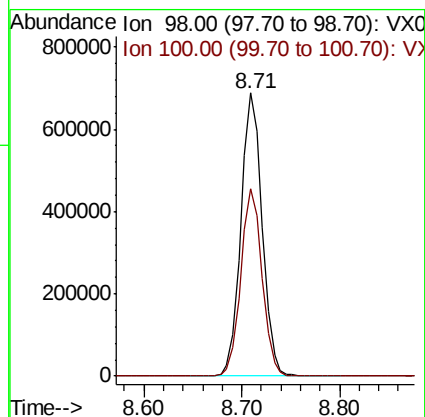
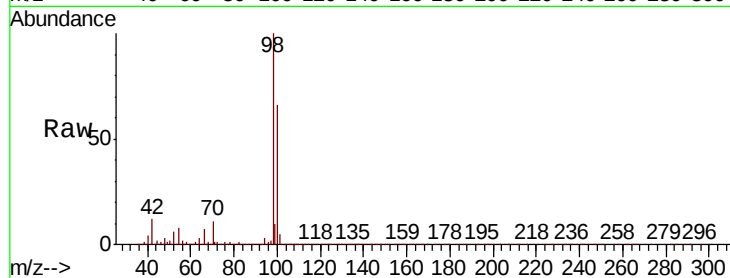
ClientSampleId :

Tot Ion: 98 Resp: 1038860

Ion Ratio Lower Upper

98 100

100 66.1 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 0.397 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014419.D

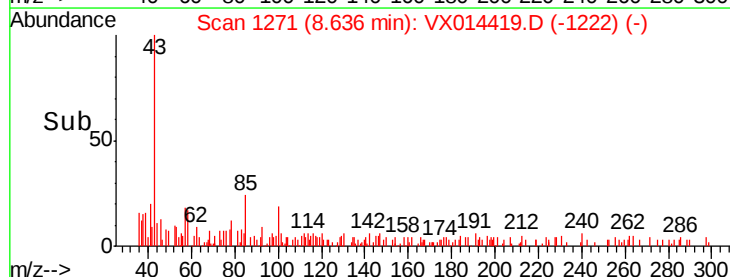
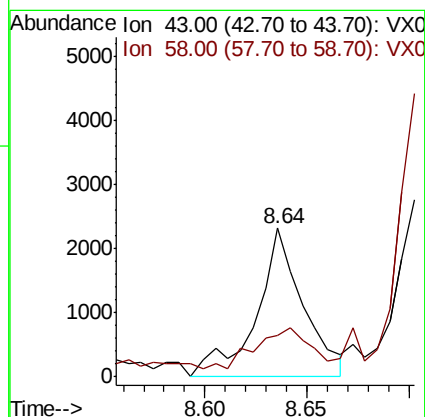
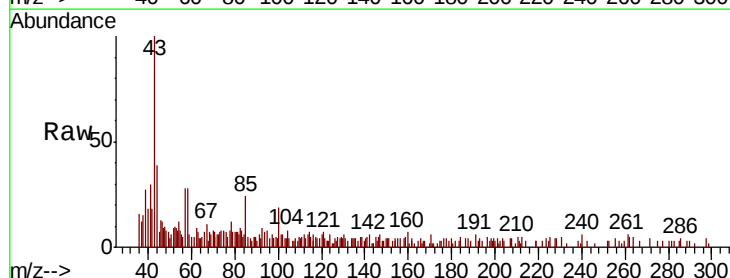
Acq: 06 Jan 2020 11:26

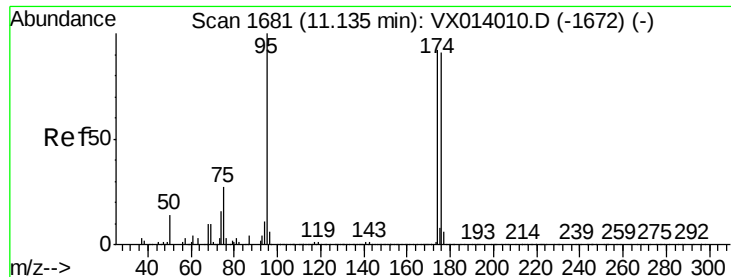
Tgt Ion: 43 Resp: 3714

Ion Ratio Lower Upper

43 100

58 32.0 32.2 48.2#





#62

4-Bromofluorobenzene

Concen: 46.935 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014419.D

Acq: 06 Jan 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

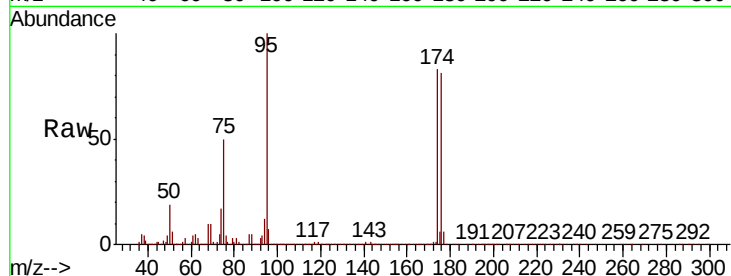
Tot Ion: 95 Resp: 360854

Ion Ratio Lower Upper

95 100

174 89.6 0.0 175.8

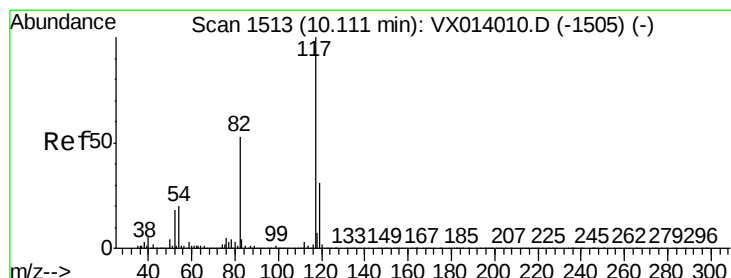
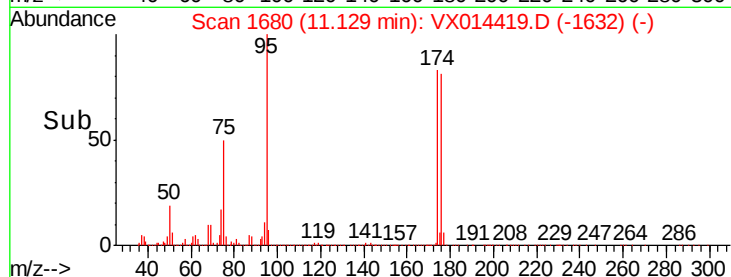
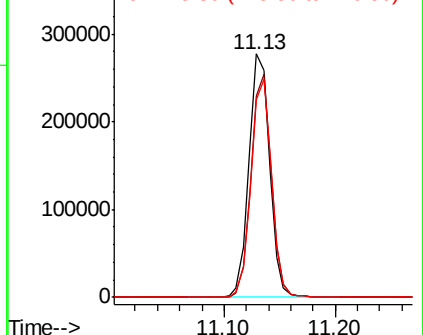
176 88.4 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX014010.D (-1672) (-)

Ion 173.80 (173.50 to 174.50): VX014010.D (-1672) (-)

Ion 175.80 (175.50 to 176.50): VX014010.D (-1672) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014419.D

Acq: 06 Jan 2020 11:26

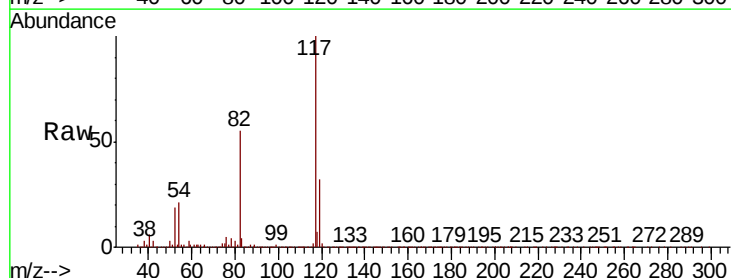
Tgt Ion: 117 Resp: 799701

Ion Ratio Lower Upper

117 100

82 55.3 42.2 63.4

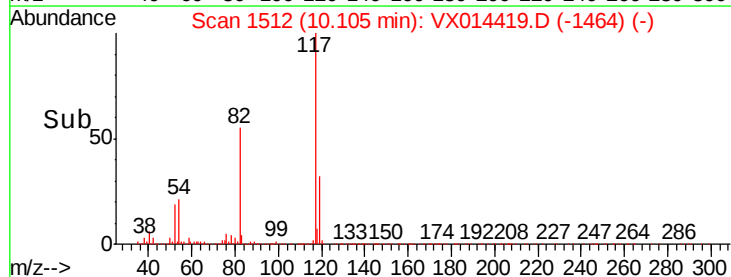
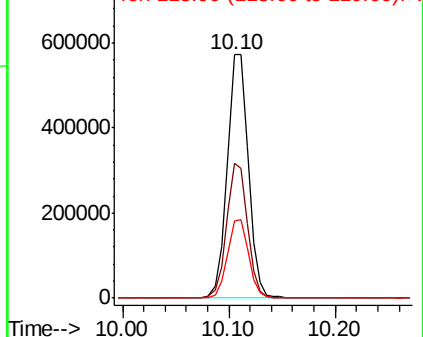
119 31.8 25.1 37.7

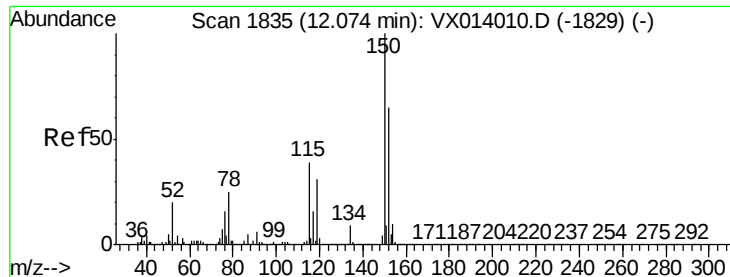


Abundance Ion 116.90 (116.60 to 117.60): VX014010.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX014010.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX014010.D (-1505) (-)



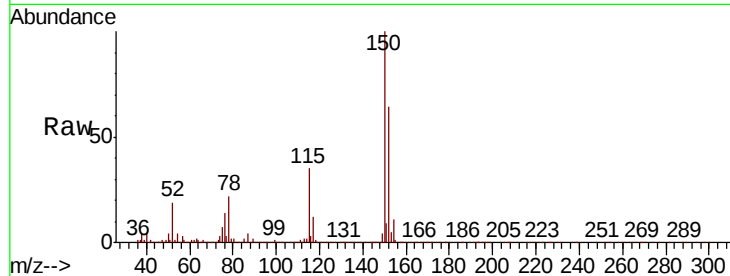


#72

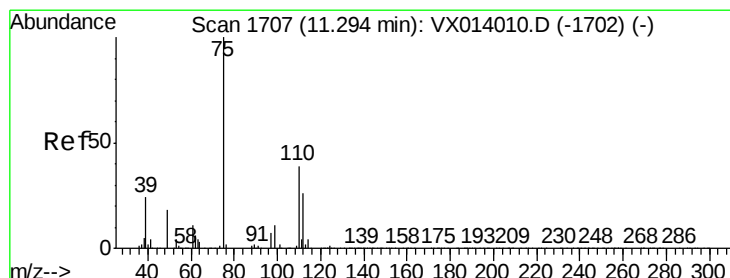
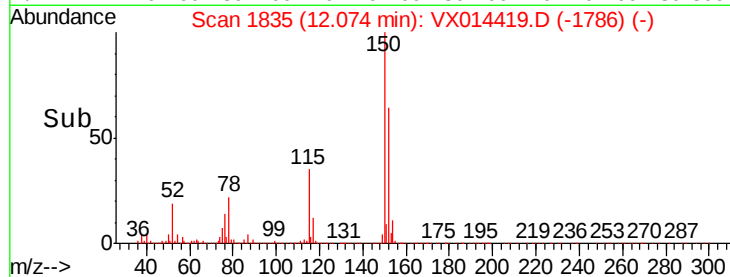
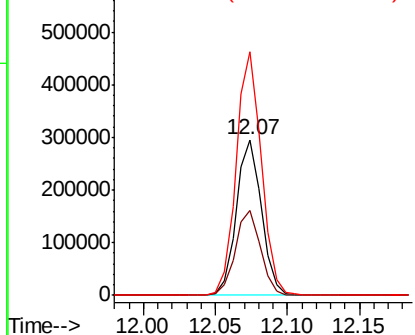
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014419.D
Acq: 06 Jan 2020 11:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	38.3	114.9
150	156.6	0.0	345.4



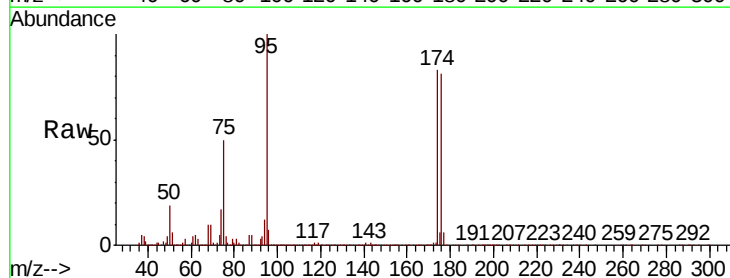
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



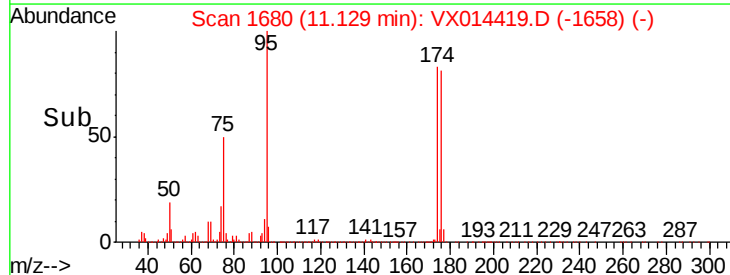
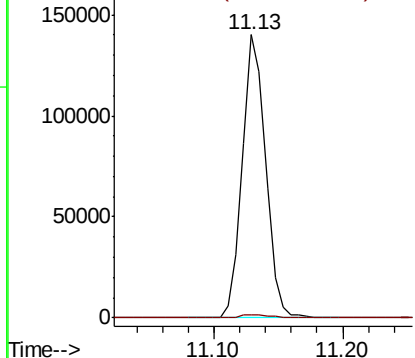
#76

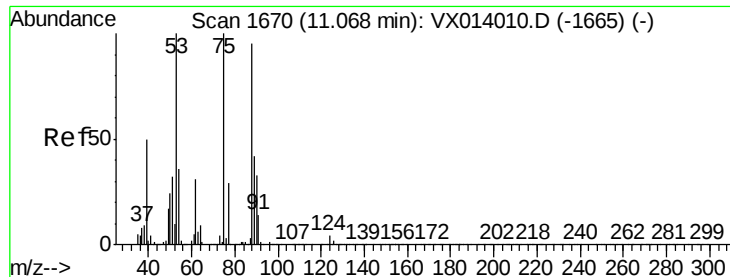
1,2,3-Trichloropropane
Concen: 22.440 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014419.D
Acq: 06 Jan 2020 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	19.3	57.8#



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: 63.336 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014419.D

Acq: 06 Jan 2020 11:26

Instrument :

MSVOA_X

ClientSampleId :

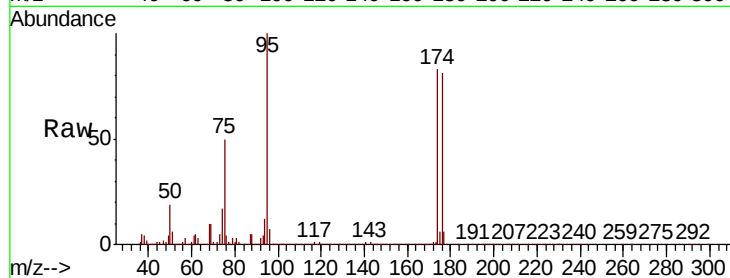
Tot Ion: 75 Resp: 175417

Ion Ratio Lower Upper

75 100

53 0.3 76.7 115.1#

89 0.3 34.6 51.8#



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

