

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010320\
 Data File : VX014397.D
 Acq On : 03 Jan 2020 13:54
 Operator : JC/SP
 Sample : K6482-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB

Quant Time: Jan 06 02:30:32 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	556237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	844729	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	748374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	323950	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	301654	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
35) Dibromofluoromethane	5.49	113	249821	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
50) Toluene-d8	8.71	98	1002271	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	11.13	95	325933	44.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.20%	

Target Compounds

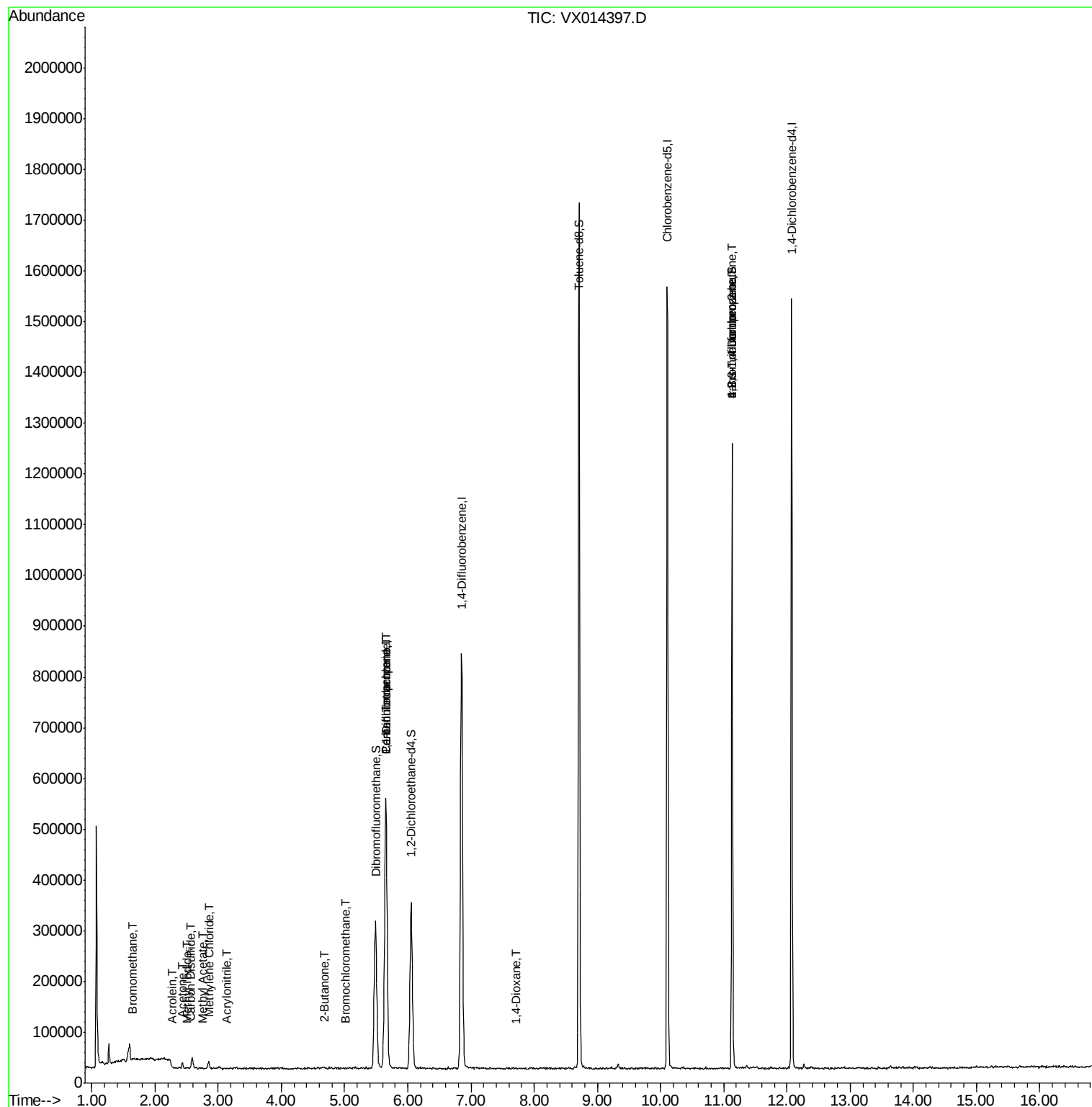
					Qvalue	
5) Bromomethane	1.65	94	1832	0.366	ug/l #	57
10) Methyl Iodide	2.51	142	1725	2.857	ug/l #	76
13) Acrolein	2.28	56	628	0.805	ug/l #	14
15) Acrylonitrile	3.14	53	879	0.276	ug/l #	34
16) Acetone	2.43	43	13719	3.352	ug/l	99
17) Carbon Disulfide	2.56	76	2287	0.902	ug/l	99
18) Methyl Acetate	2.76	43	1689	0.208	ug/l #	74
20) Methylene Chloride	2.85	84	7663	1.189	ug/l	87
25) 2-Butanone	4.67	43	3462	0.686	ug/l #	34
28) Bromochloromethane	5.01	49	863	0.664	ug/l #	63
36) 1,1-Dichloropropene	5.65	75	37505	4.839	ug/l #	41
38) Carbon Tetrachloride	5.65	117	48877	6.922	ug/l #	16
49) 1,4-Dioxane	7.72	88	186	1.318	ug/l #	23
76) 1,2,3-Trichloropropane	11.13	75	159715	22.710	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	159715	64.099	ug/l #	11

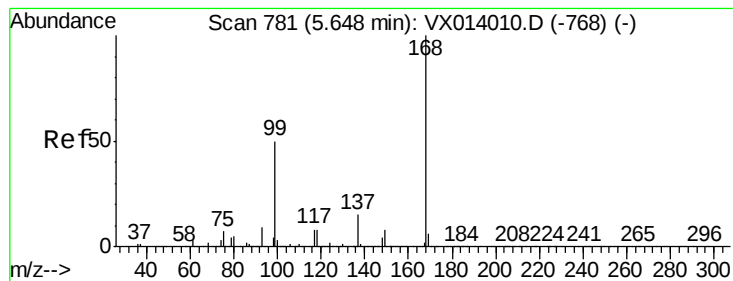
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX014397.D

Acq: 03 Jan 2020 13:54

Instrument :

MSVOA_X

ClientSampled :

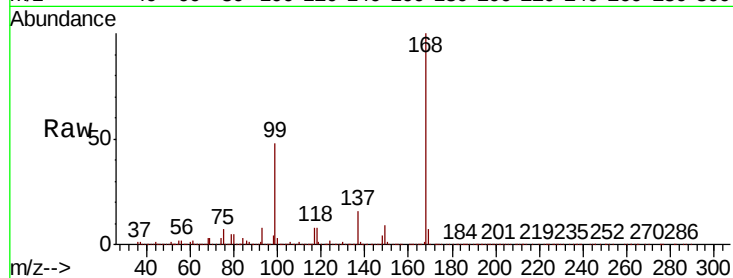
FB

Tot Ion:168 Resp: 556237

Ion Ratio Lower Upper

168 100

99 47.9 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

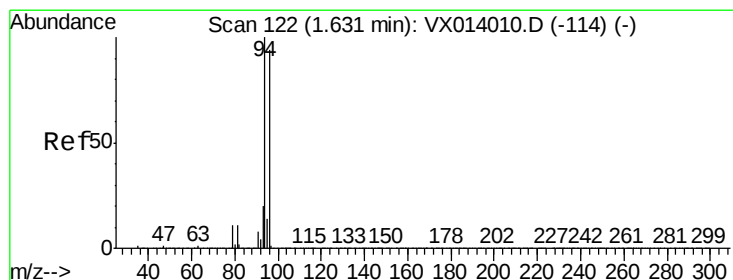
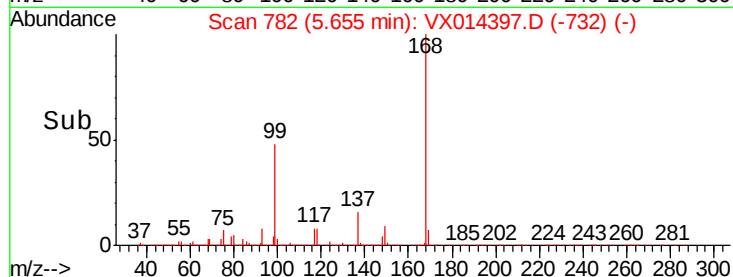
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.366 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014397.D

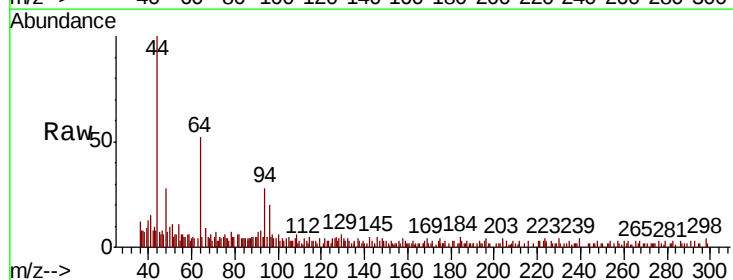
Acq: 03 Jan 2020 13:54

Tgt Ion: 94 Resp: 1832

Ion Ratio Lower Upper

94 100

96 52.0 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

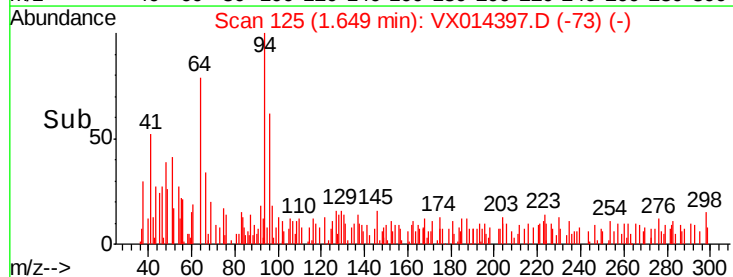
1000

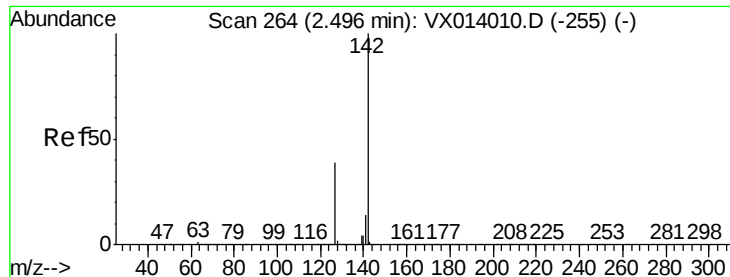
500

0

Time-->

1.60 1.65 1.70

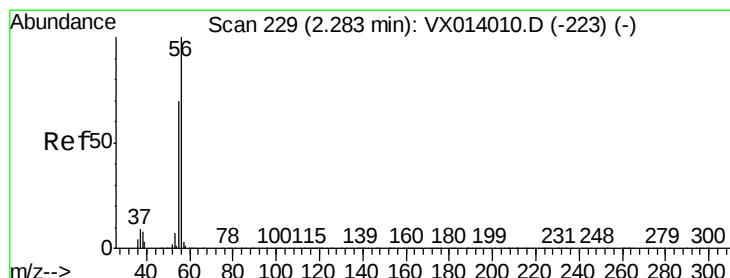
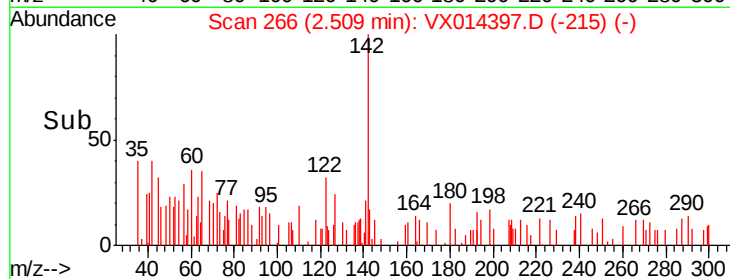
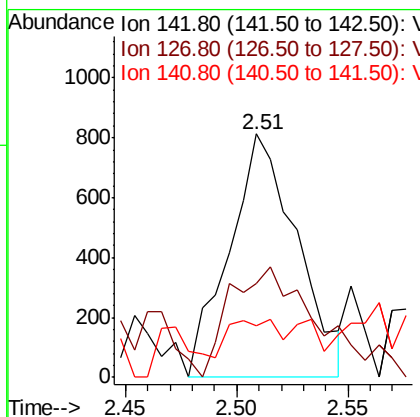
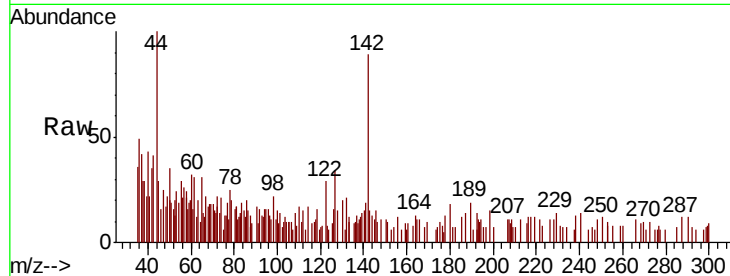




#10
Methvl Iodide
Concen: 2.857 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX014397.D
Acq: 03 Jan 2020 13:54

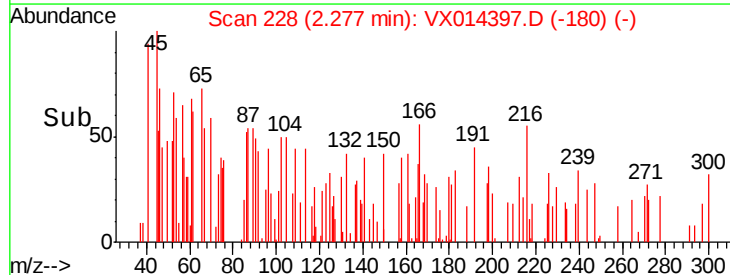
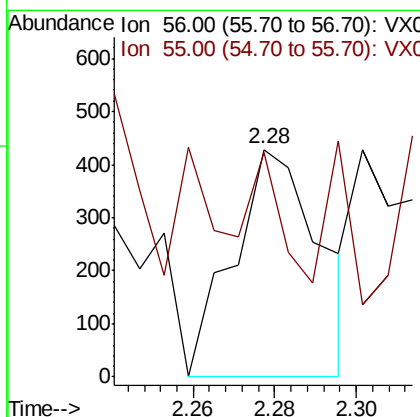
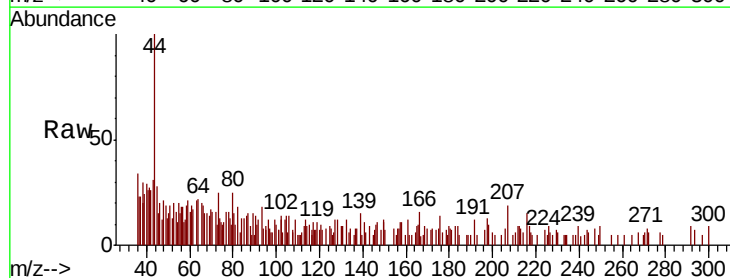
Instrument :
MSVOA_X
ClientSampled :
FB

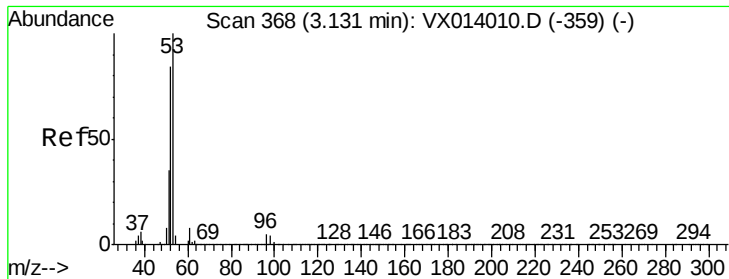
Tot Ion:142 Resp: 1725
Ion Ratio Lower Upper
142 100
127 59.7 31.6 47.4#
141 14.3 11.6 17.4



#13
Acrolein
Concen: 0.805 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX014397.D
Acq: 03 Jan 2020 13:54

Tgt Ion: 56 Resp: 628
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#





#15

Acrylonitrile

Concen: 0.276 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX014397.D

Acq: 03 Jan 2020 13:54

Instrument :

MSVOA_X

ClientSampled :

FB

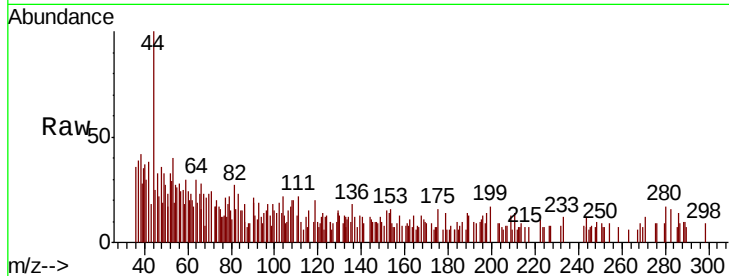
Tot Ion: 53 Resp: 879

Ion Ratio Lower Upper

53 100

52 0.0 66.5 99.7#

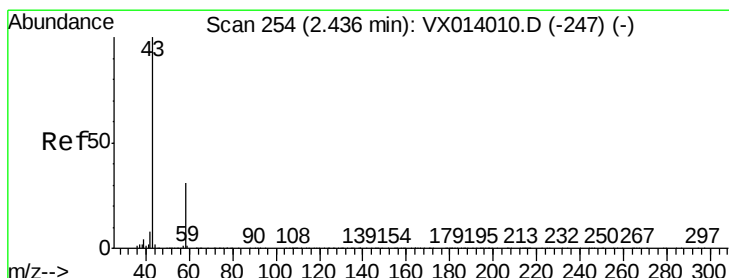
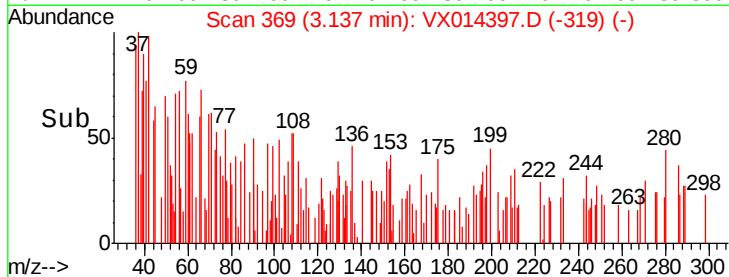
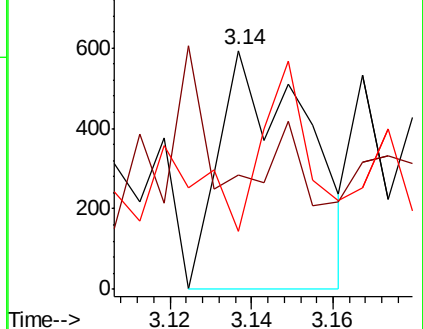
51 36.9 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 3.352 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014397.D

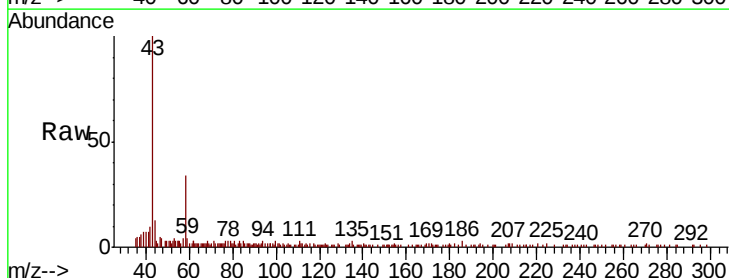
Acq: 03 Jan 2020 13:54

Tgt Ion: 43 Resp: 13719

Ion Ratio Lower Upper

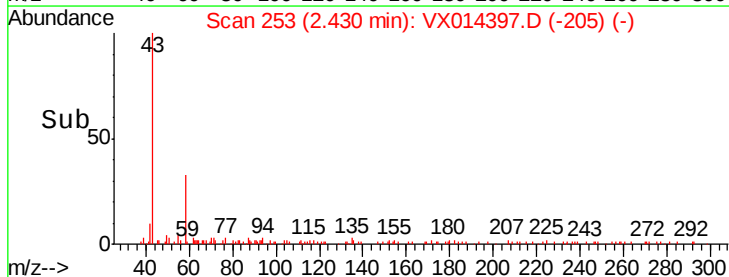
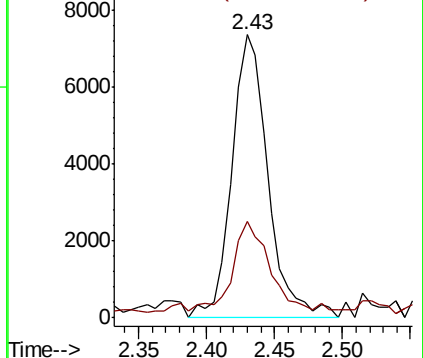
43 100

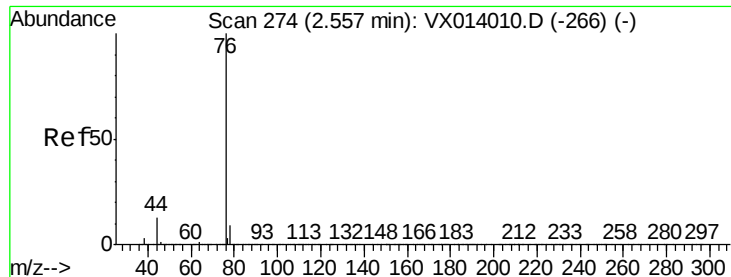
58 31.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.902 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014397.D

Acq: 03 Jan 2020 13:54

Instrument :

MSVOA_X

ClientSampled :

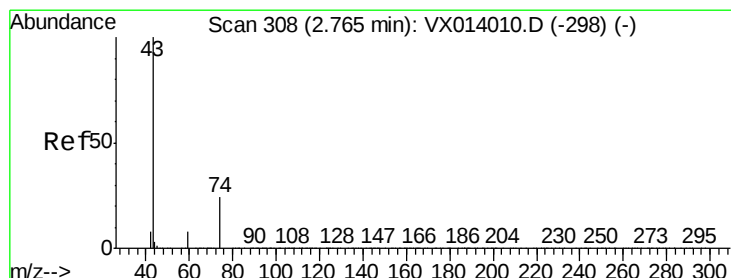
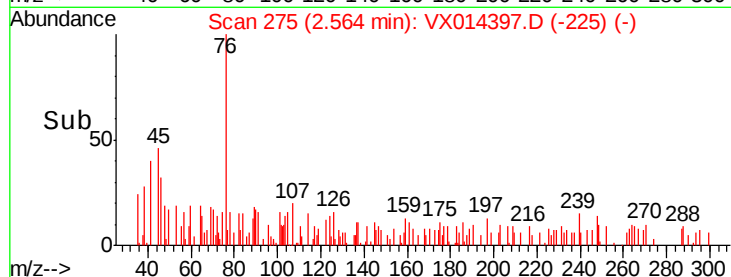
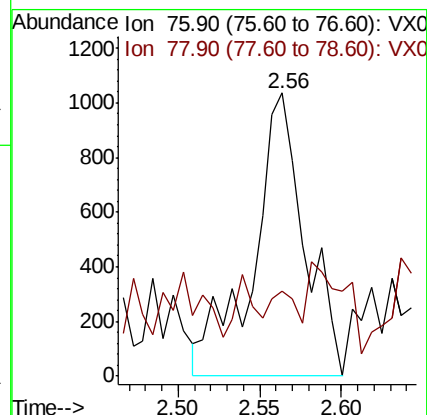
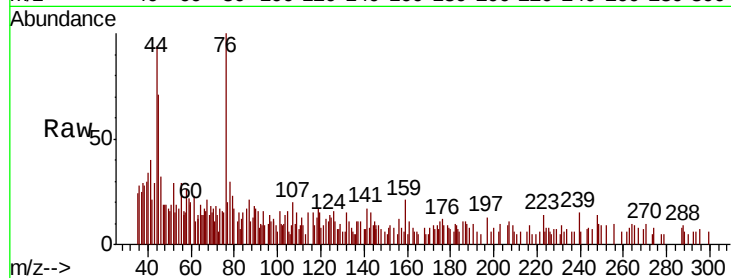
FB

Tot Ion: 76 Resp: 2287

Ion Ratio Lower Upper

76 100

78 8.5 7.2 10.8



#18

Methyl Acetate

Concen: 0.208 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014397.D

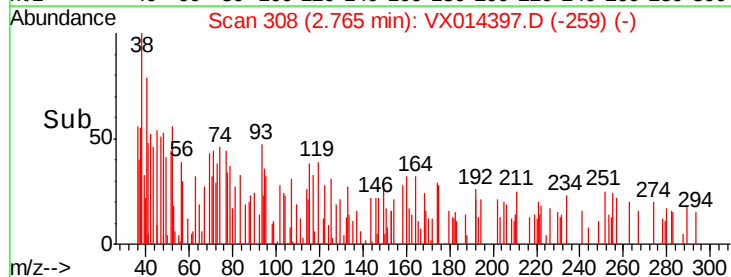
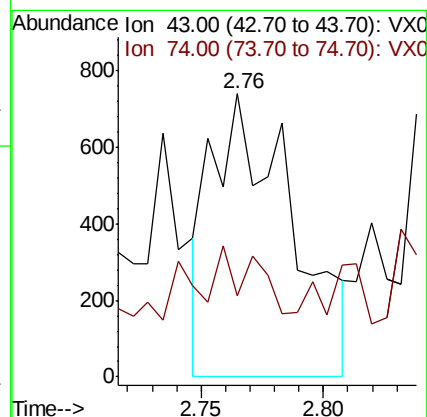
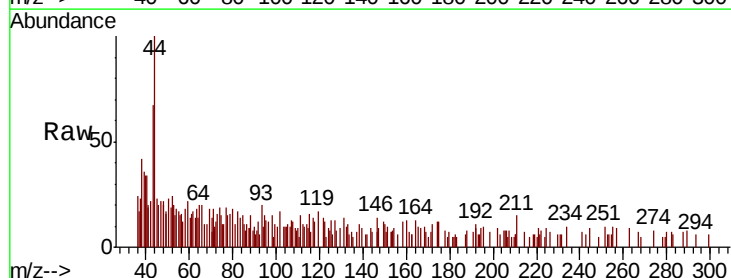
Acq: 03 Jan 2020 13:54

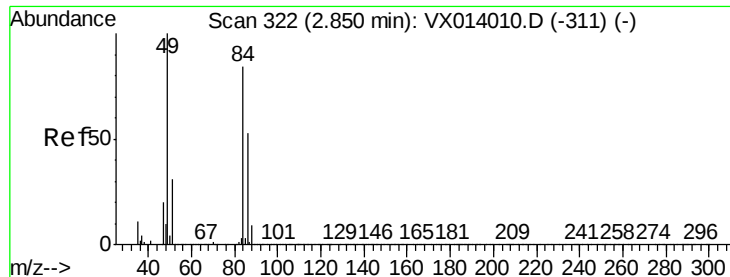
Tgt Ion: 43 Resp: 1689

Ion Ratio Lower Upper

43 100

74 11.3 19.5 29.3#





#20

Methvlene Chloride

Concen: 1.189 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014397.D

Acq: 03 Jan 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

FB

Tot Ion: 84 Resp: 7663

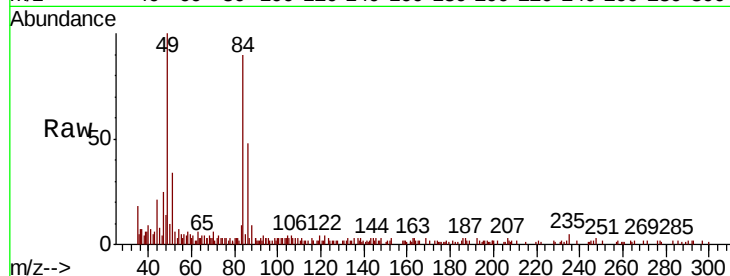
Ion Ratio Lower Upper

84 100

49 103.6 95.8 143.6

51 32.1 29.8 44.8

86 53.5 50.8 76.2

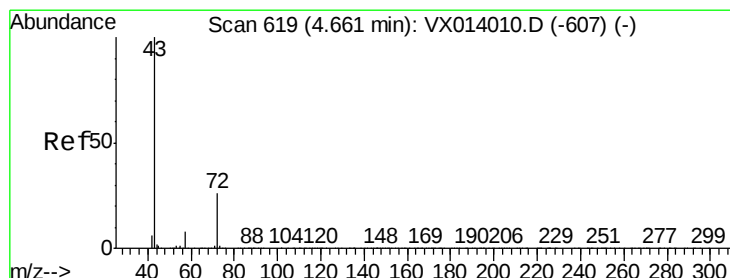
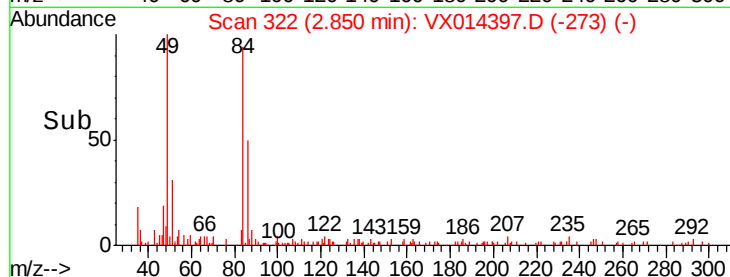
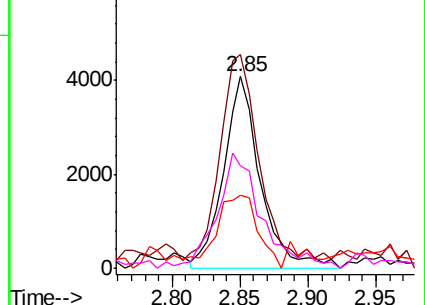


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 0.686 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX014397.D

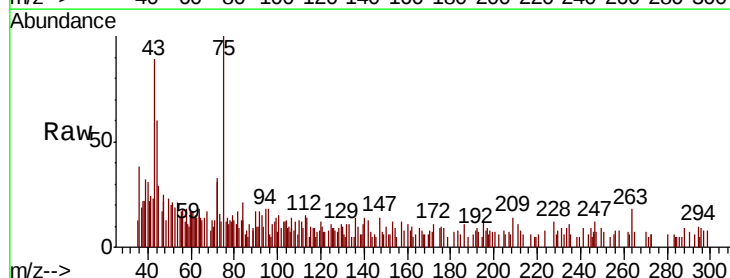
Acq: 03 Jan 2020 13:54

Tgt Ion: 43 Resp: 3462

Ion Ratio Lower Upper

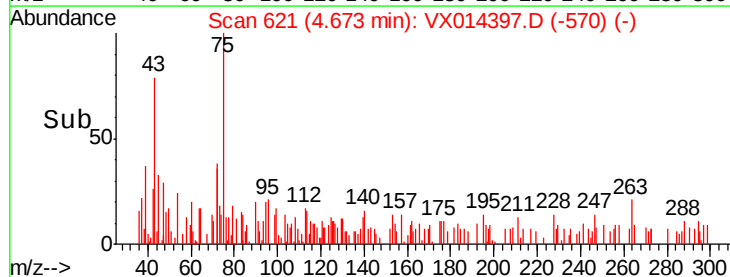
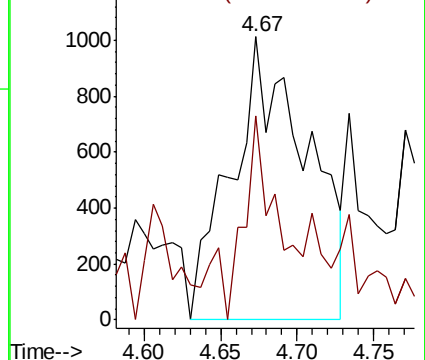
43 100

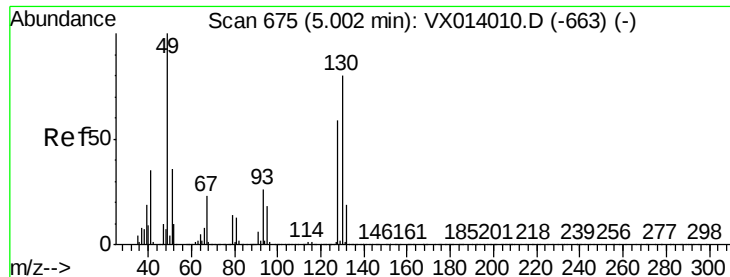
72 59.8 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: 0.664 ug/l

RT: 5.01 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX014397.D

Acq: 03 Jan 2020 13:54

Instrument :

MSVOA_X

ClientSampled :

FB

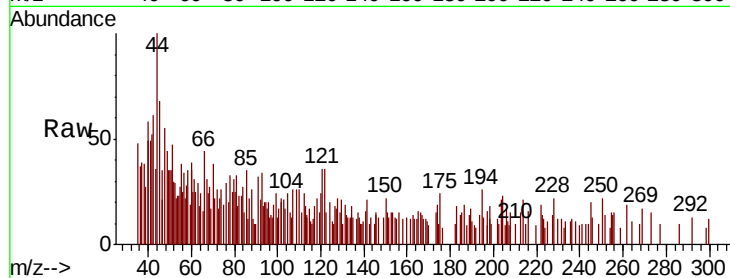
Tot Ion: 49 Resp: 863

Ion Ratio Lower Upper

49 100

129 51.7 0.0 5.0#

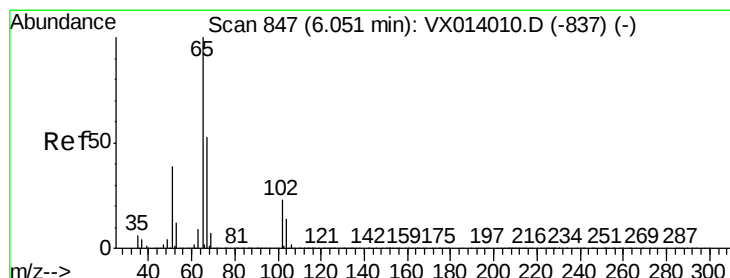
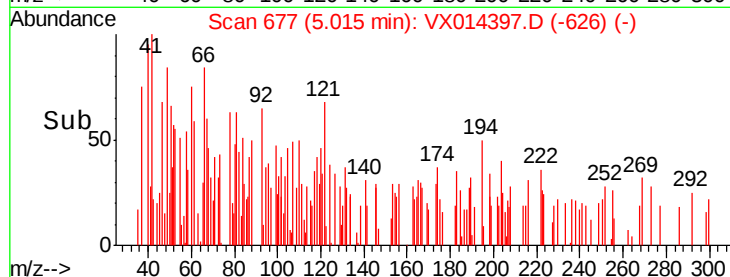
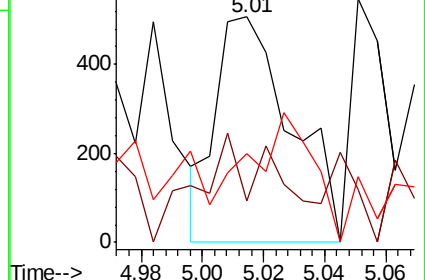
130 50.5 64.6 97.0#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 47.850 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014397.D

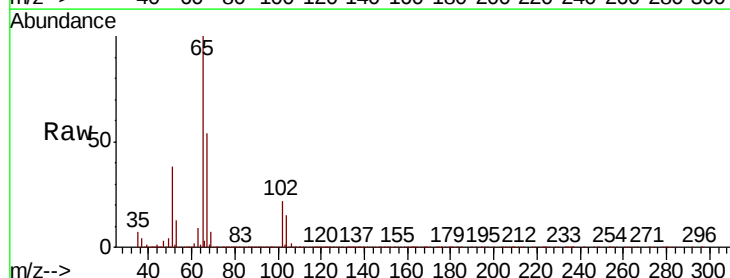
Acq: 03 Jan 2020 13:54

Tgt Ion: 65 Resp: 301654

Ion Ratio Lower Upper

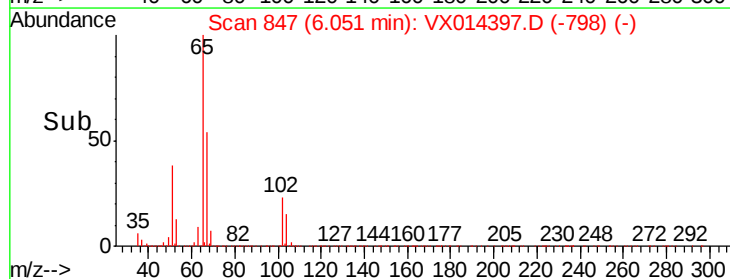
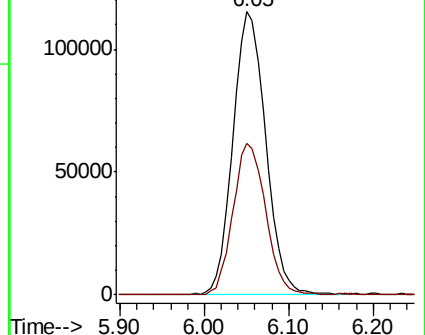
65 100

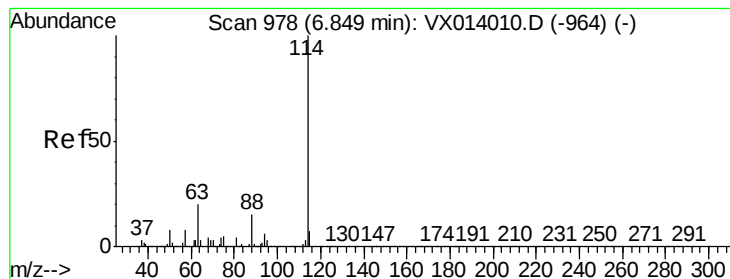
67 53.3 0.0 106.4



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: VX014397.D

Acq: 03 Jan 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

FB

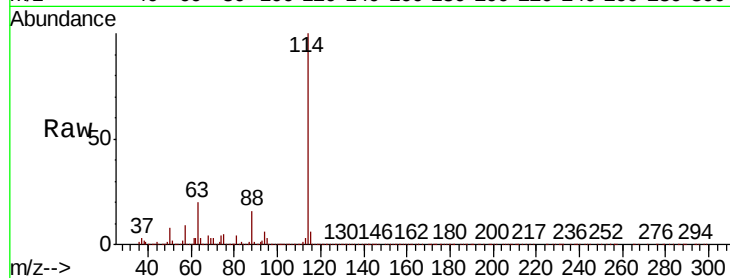
Tot Ion:114 Resp: 844729

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

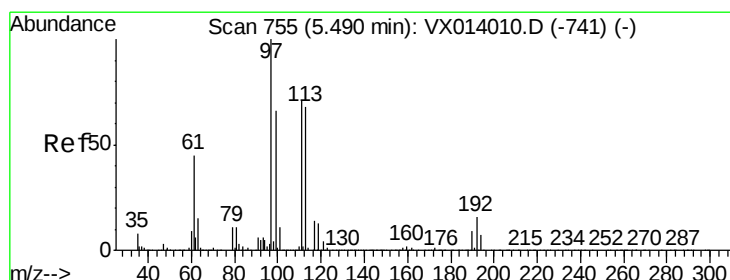
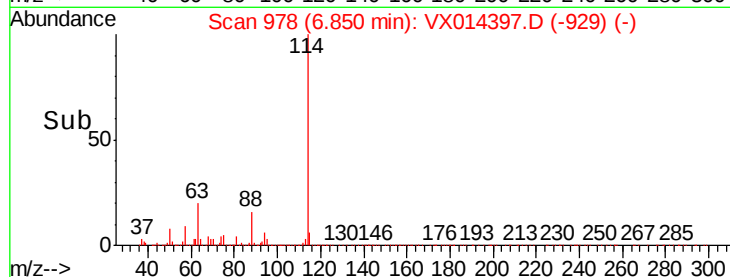
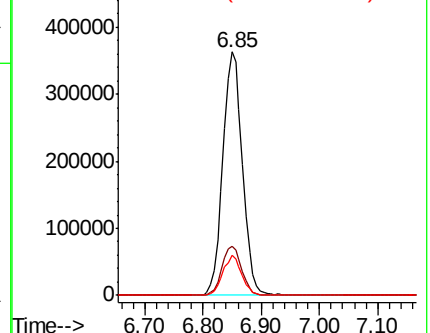
88 16.4 0.0 30.4



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: 48.650 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014397.D

Acq: 03 Jan 2020 13:54

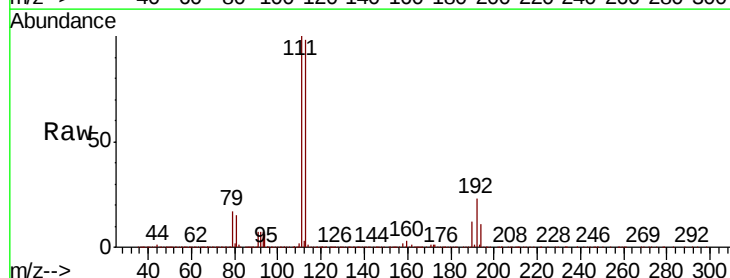
Tgt Ion:113 Resp: 249821

Ion Ratio Lower Upper

113 100

111 101.7 82.0 123.0

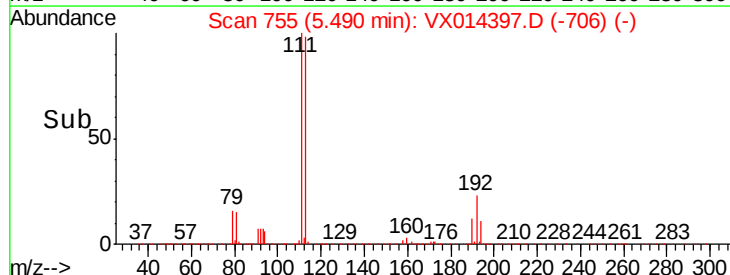
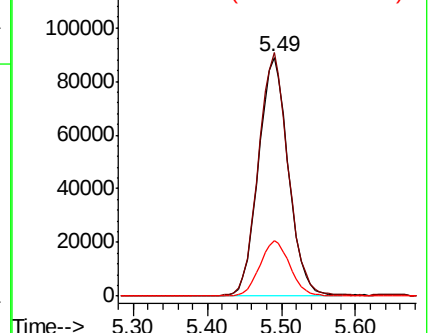
192 23.3 19.3 28.9

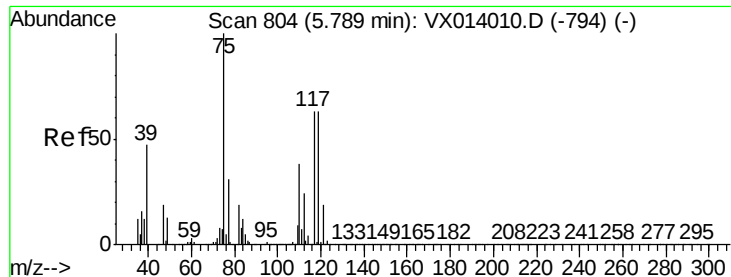


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.839 ug/l

RT: 5.65 min Scan# 781

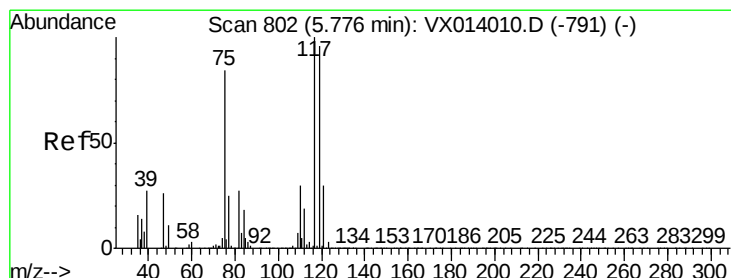
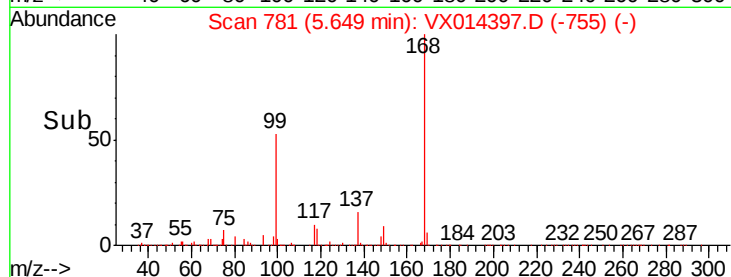
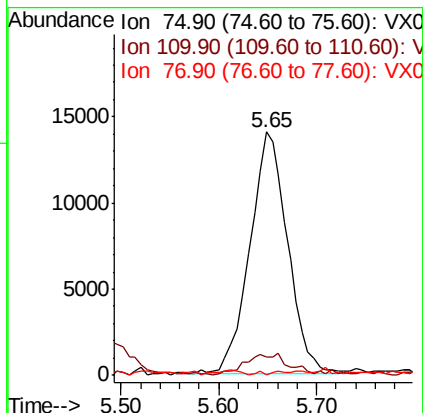
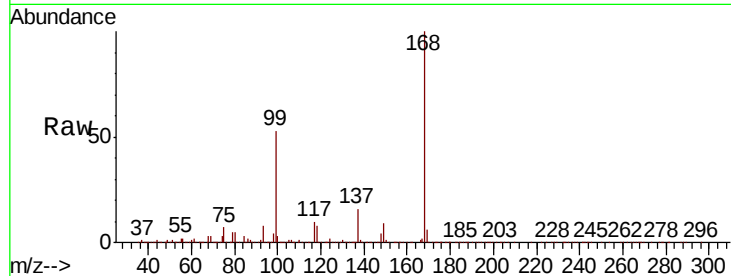
Delta R.T. -0.14 min

Lab File: VX014397.D

Acq: 03 Jan 2020 13:54

Instrument :
MSVOA_X
ClientSampleId :
FB

Tot Ion:	75	Resp:	37505
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.3	54.9#
77	0.4	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 6.922 ug/l

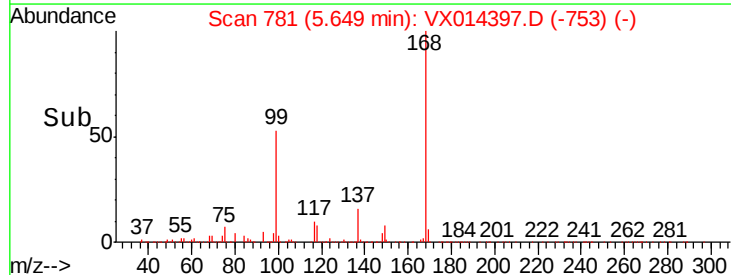
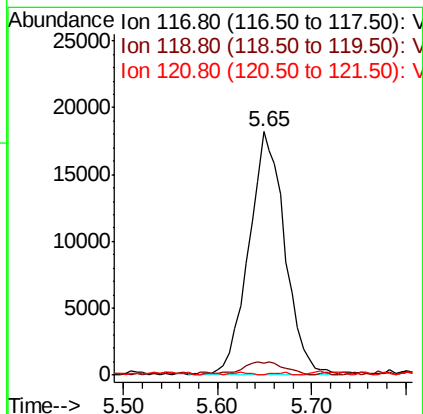
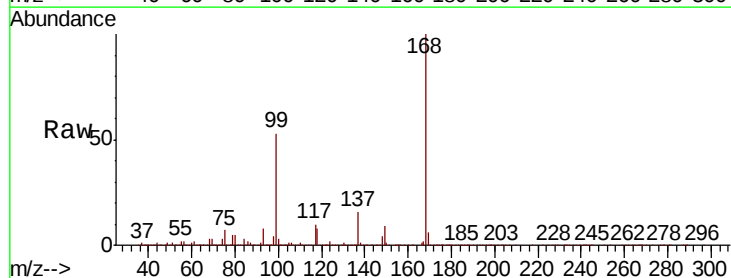
RT: 5.65 min Scan# 781

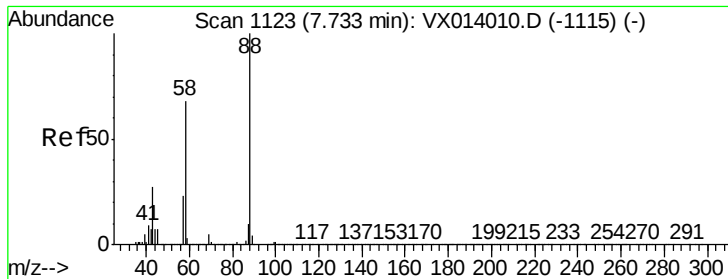
Delta R.T. -0.13 min

Lab File: VX014397.D

Acq: 03 Jan 2020 13:54

Tgt Ion:	117	Resp:	48877
Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.2	114.4#
121	0.0	23.6	35.4#





#49

1,4-Dioxane

Concen: 1.318 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX014397.D

Acq: 03 Jan 2020 13:54

Instrument :

MSVOA_X

ClientSampled :

FB

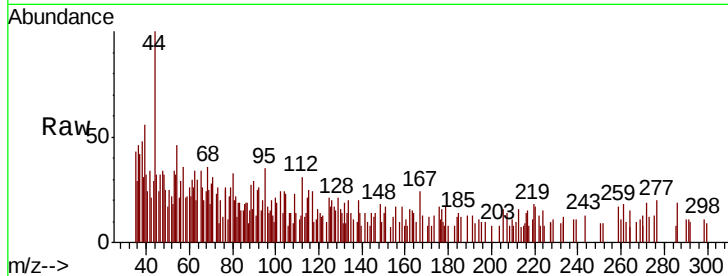
Tot Ion: 88 Resp: 186

Ion Ratio Lower Upper

88 100

43 0.0 26.5 39.7#

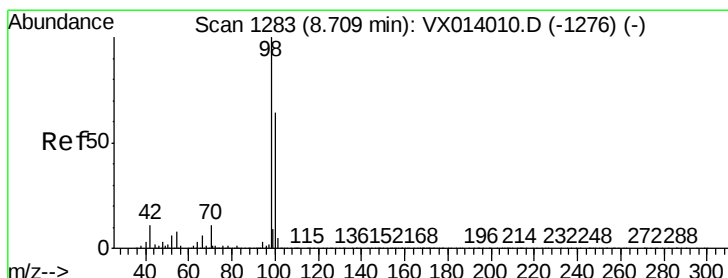
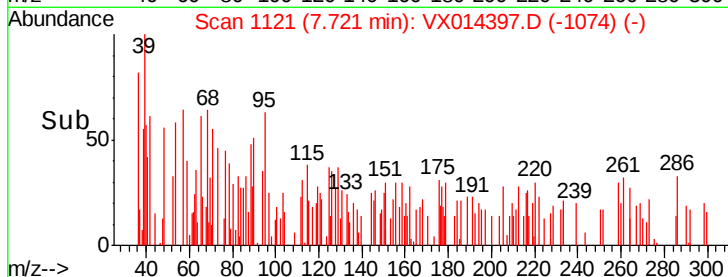
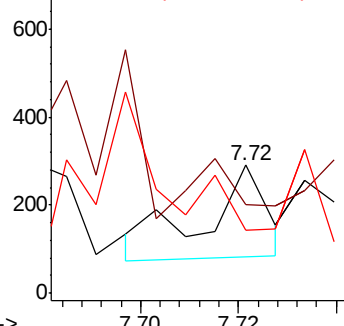
58 0.0 56.8 85.2#



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: 50.134 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014397.D

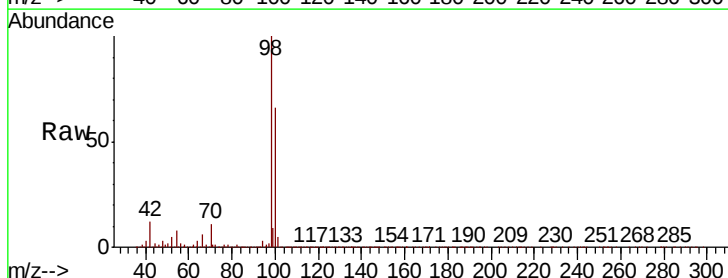
Acq: 03 Jan 2020 13:54

Tgt Ion: 98 Resp: 1002271

Ion Ratio Lower Upper

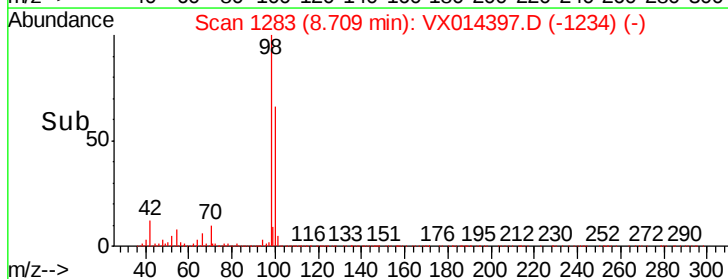
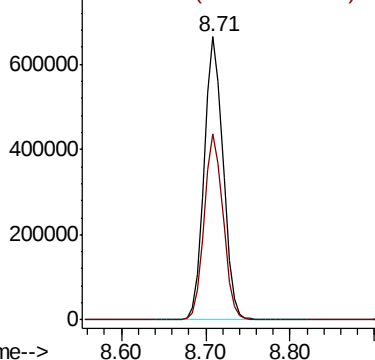
98 100

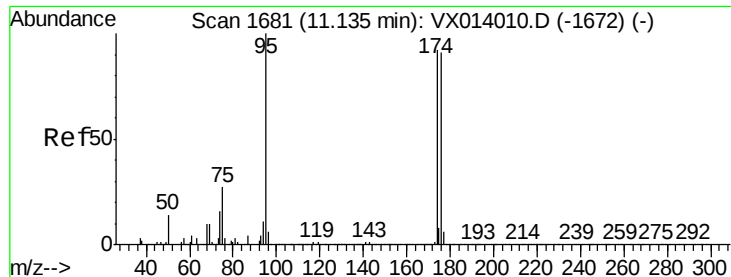
100 65.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

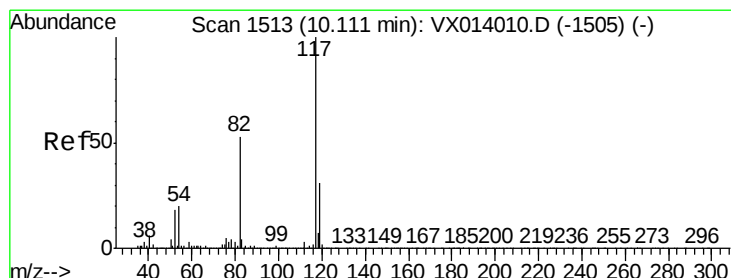
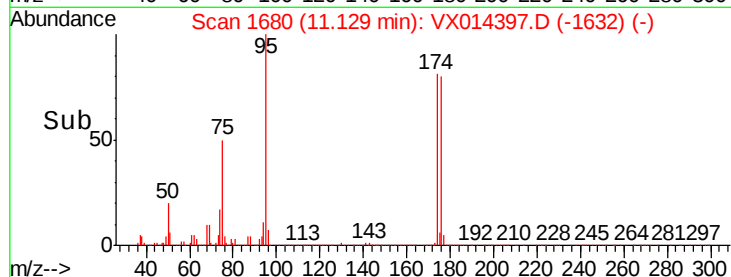
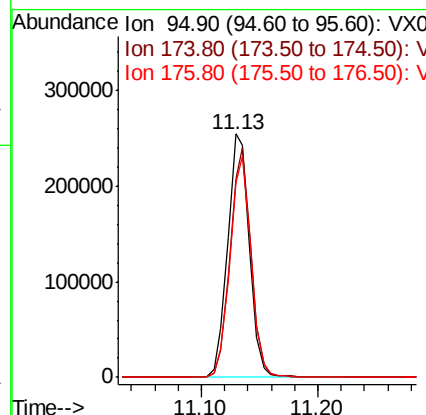
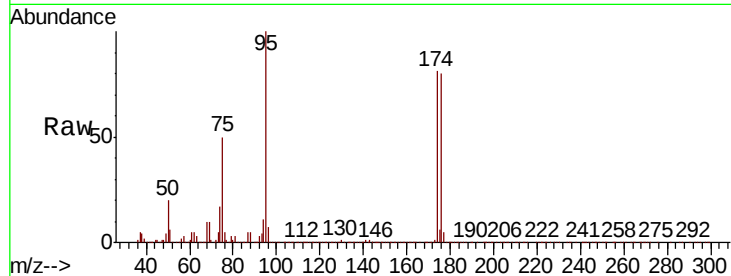




#62
4-Bromofluorobenzene
Concen: 44.600 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014397.D
Acq: 03 Jan 2020 13:54

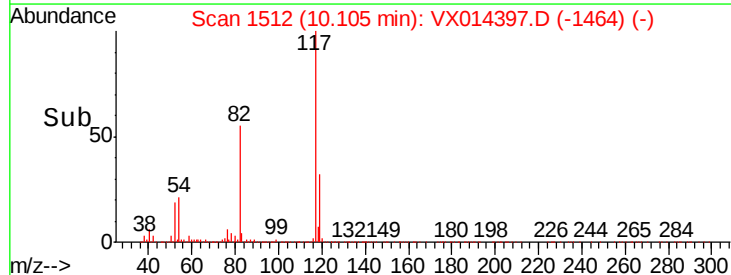
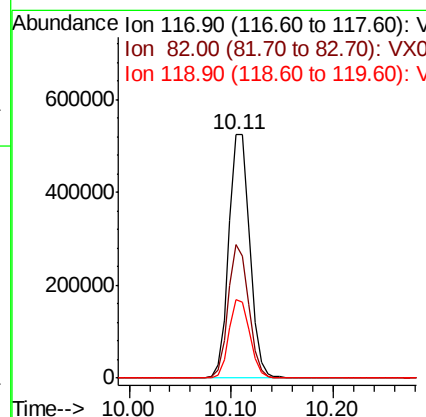
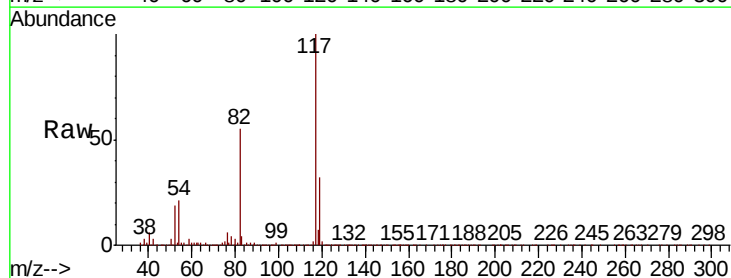
Instrument :
MSVOA_X
ClientSampleId :
FB

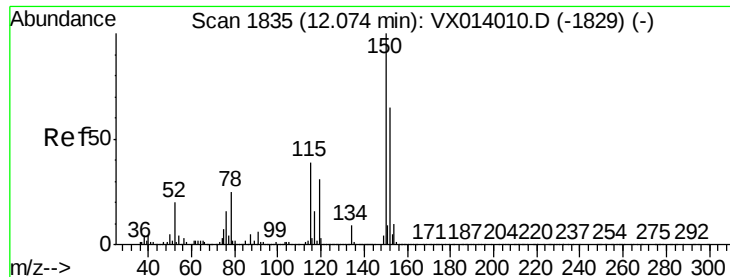
Tot Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	175.8
176	88.7	0.0	173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014397.D
Acq: 03 Jan 2020 13:54

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.9	42.2	63.4
119	32.3	25.1	37.7



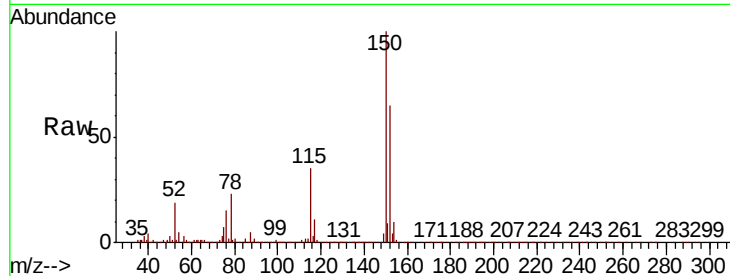


#72

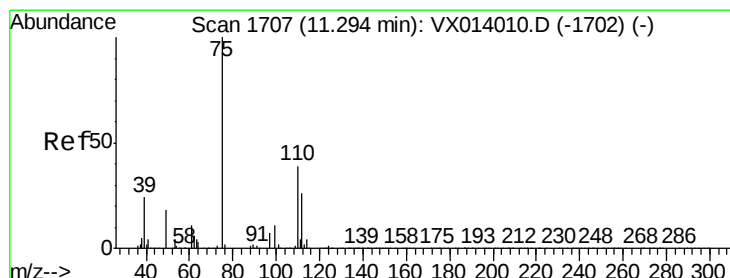
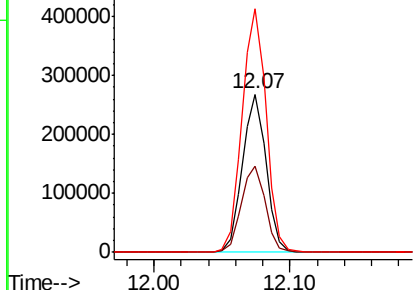
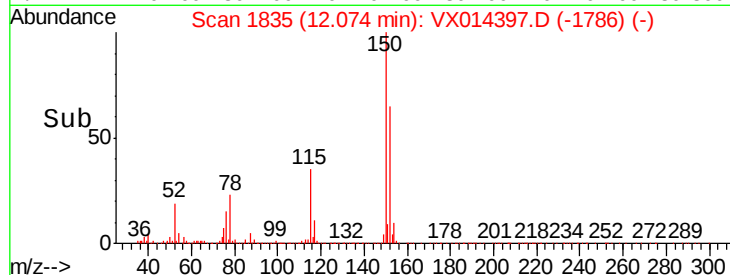
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014397.D
Acq: 03 Jan 2020 13:54

Instrument :
MSVOA_X
ClientSampled :
FB

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.6	38.3	114.9
150	157.2	0.0	345.4



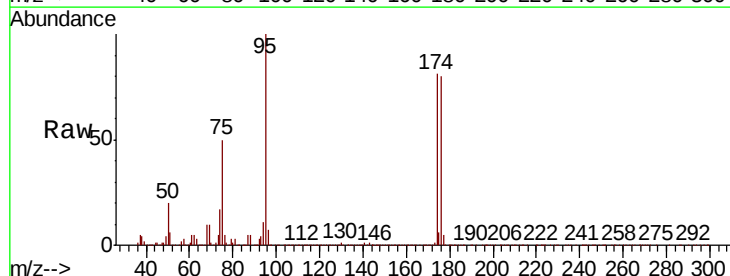
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



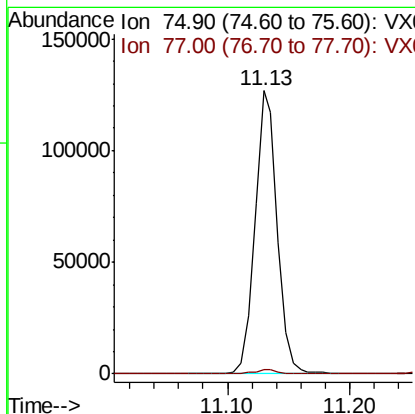
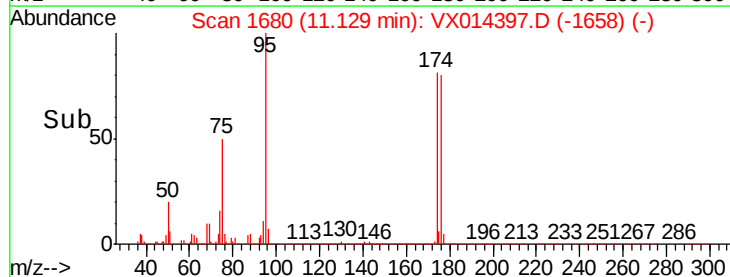
#76

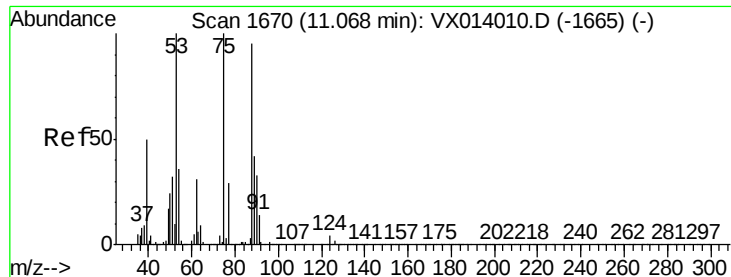
1,2,3-Trichloropropane
Concen: 22.710 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014397.D
Acq: 03 Jan 2020 13:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 64.099 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014397.D

Acq: 03 Jan 2020 13:54

Instrument :

MSVOA_X

ClientSampleId :

FB

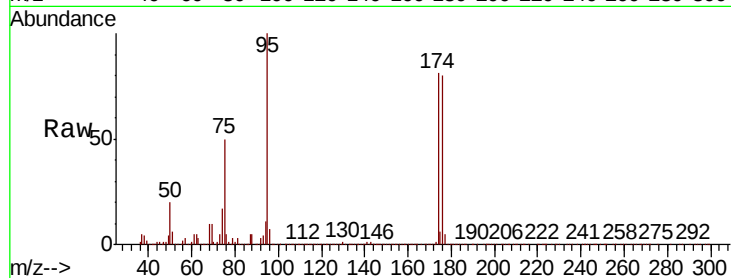
Tot Ion: 75 Resp: 159715

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.0 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

