

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082020\
 Data File : VX018023.D
 Acq On : 20 Aug 2020 10:31
 Operator : JC/SP
 Sample : VX0820WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBL01

Quant Time: Aug 20 14:49:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:36:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	545561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	863261	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.10	117	796160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	389959	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	377560	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	
35) Dibromofluoromethane	5.47	113	297439	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
50) Toluene-d8	8.70	98	1047563	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	
62) 4-Bromofluorobenzene	11.12	95	369711	44.05	ug/l	0.00
Spiked Amount			Recovery	=	88.10%	

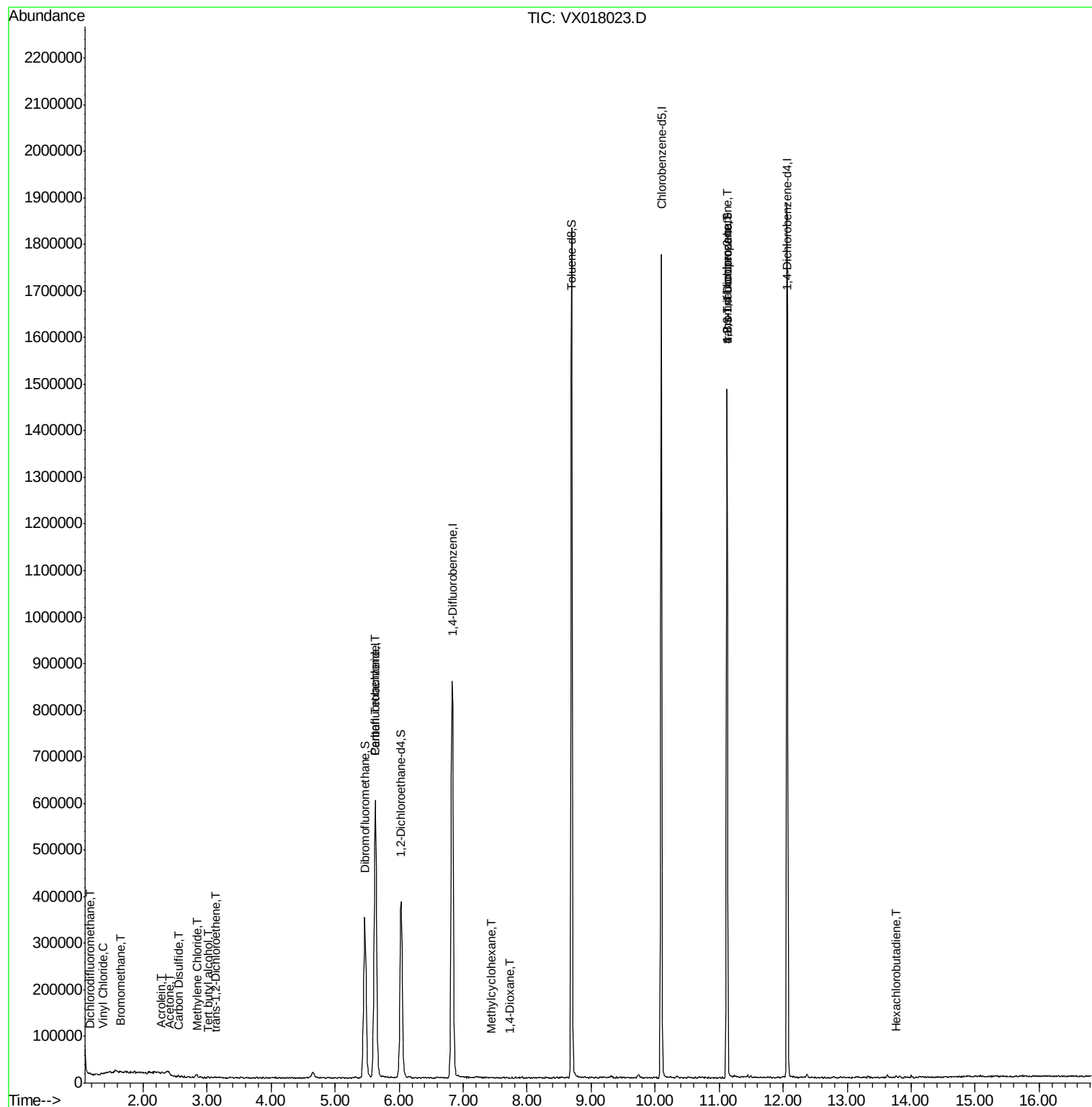
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	337	1.029	ug/l	85
4) Vinyl Chloride	1.39	62	423	2.312	ug/l #	55
5) Bromomethane	1.64	94	1417	0.339	ug/l #	50
11) Tert butyl alcohol	3.02	59	642	0.416	ug/l #	9
13) Acrolein	2.28	56	1035	1.269	ug/l	98
16) Acetone	2.42	43	2478	0.788	ug/l #	46
17) Carbon Disulfide	2.56	76	4346	0.364	ug/l	96
20) Methylene Chloride	2.85	84	3690	0.637	ug/l #	52
21) trans-1,2-Dichloroethene	3.14	96	1054	0.208	ug/l #	41
38) Carbon Tetrachloride	5.64	117	56950	6.090	ug/l #	14
39) Methylcyclohexane	7.43	83	377	0.853	ug/l #	39
49) 1,4-Dioxane	7.72	88	185	1.306	ug/l #	2
76) 1,2,3-Trichloropropane	11.12	75	189297	22.826	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	189297	59.966	ug/l #	12
94) Hexachlorobutadiene	13.77	225	677	0.206	ug/l	89

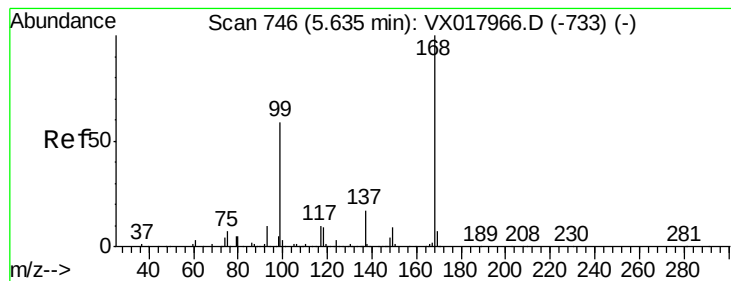
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 19 05:36:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX018023.D

Acq: 20 Aug 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

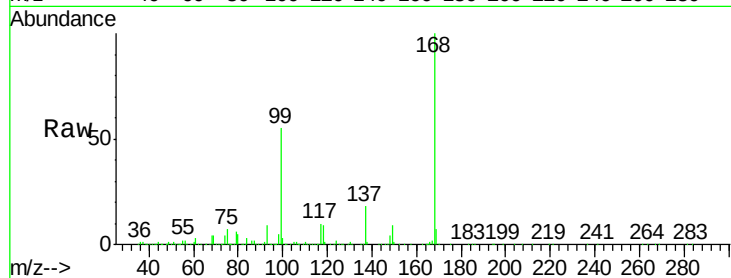
VX0820WBL01

Tgt Ion:168 Resp: 545561

Ion Ratio Lower Upper

168 100

99 54.9 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

150000

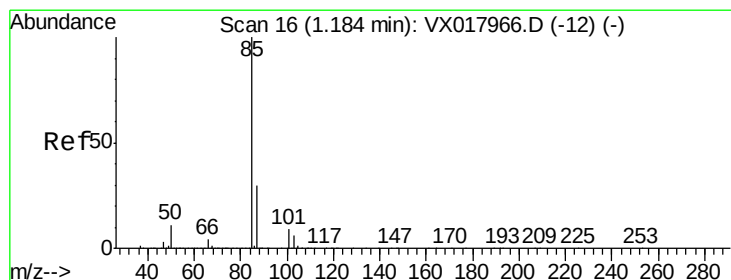
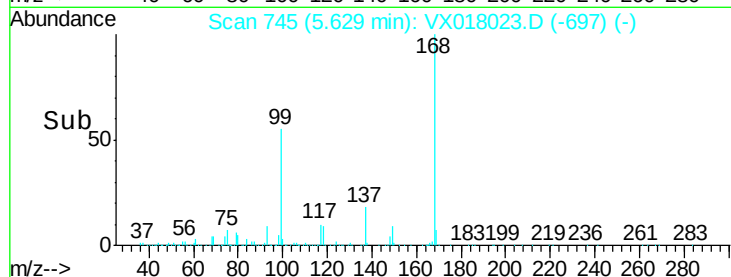
100000

50000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 1.029 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018023.D

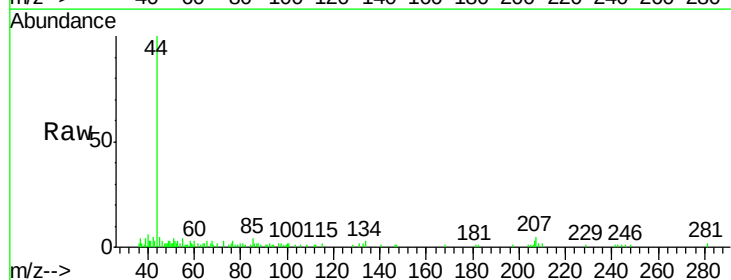
Acq: 20 Aug 2020 10:31

Tgt Ion: 85 Resp: 337

Ion Ratio Lower Upper

85 100

87 38.6 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

400

300

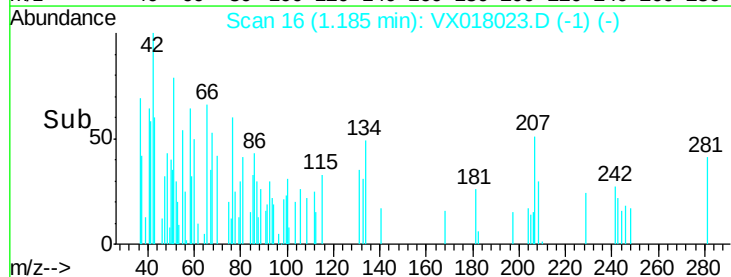
200

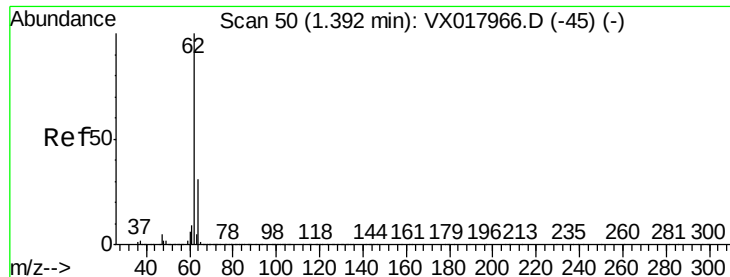
100

0

Time-->

1.14 1.16 1.18 1.20





#4

Vinyl Chloride

Concen: 2.312 ug/l

RT: 1.39 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX018023.D

Acq: 20 Aug 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

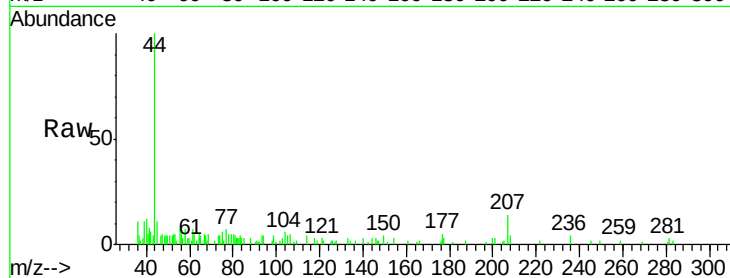
VX0820WBL01

Tgt Ion: 62 Resp: 423

Ion Ratio Lower Upper

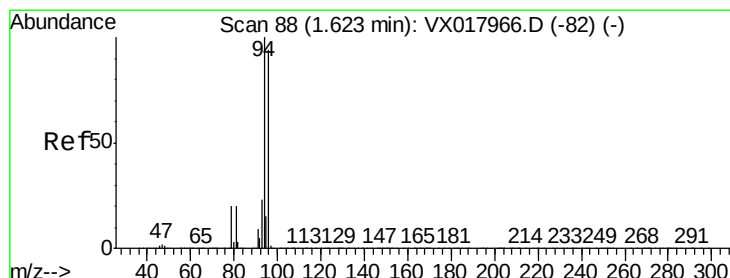
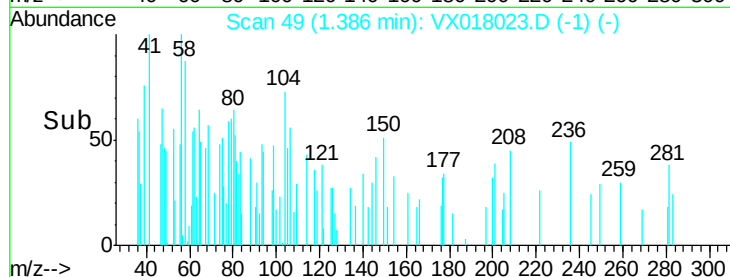
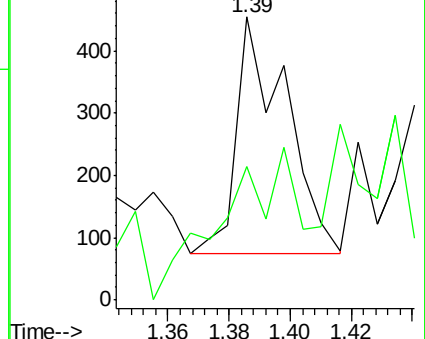
62 100

64 55.7 24.7 37.1#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.339 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018023.D

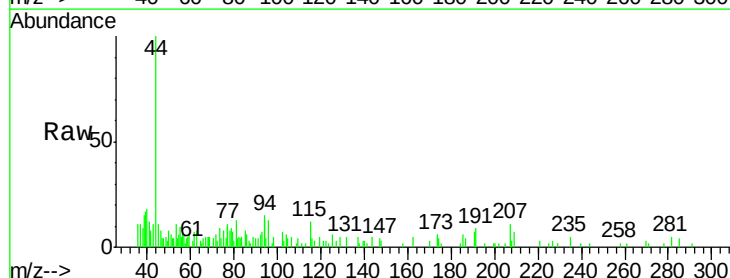
Acq: 20 Aug 2020 10:31

Tgt Ion: 94 Resp: 1417

Ion Ratio Lower Upper

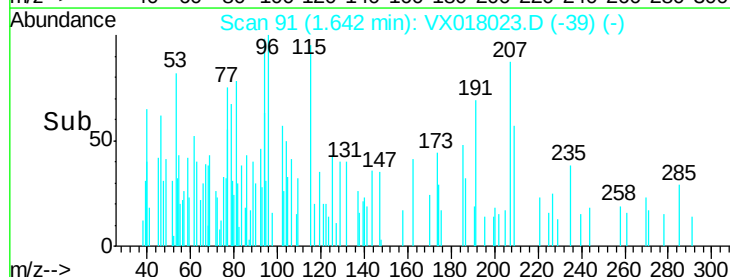
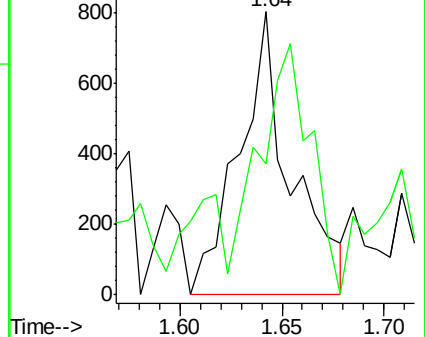
94 100

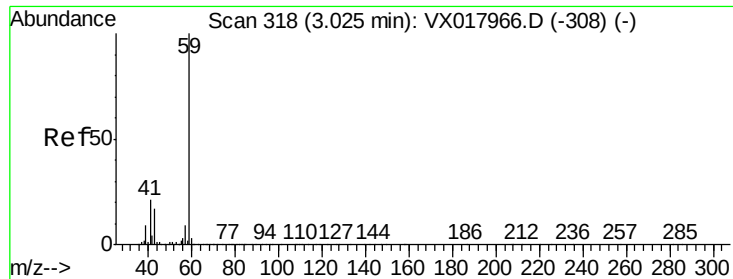
96 46.5 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

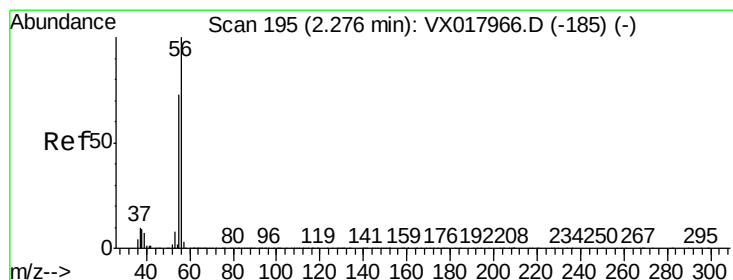
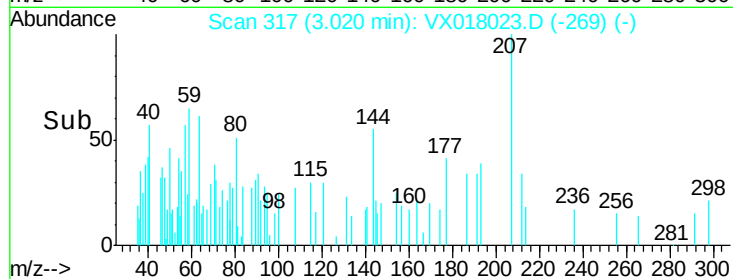
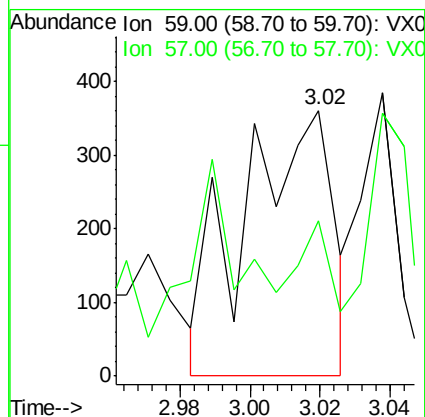
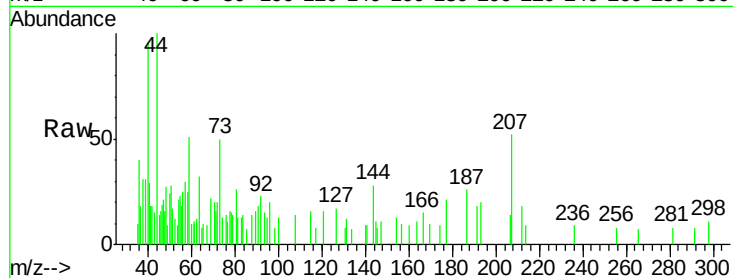




#11
Tert butyl alcohol
Concen: 0.416 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.01 min
Lab File: VX018023.D
Acq: 20 Aug 2020 10:31

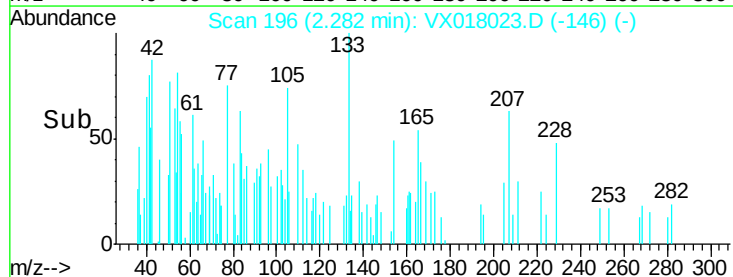
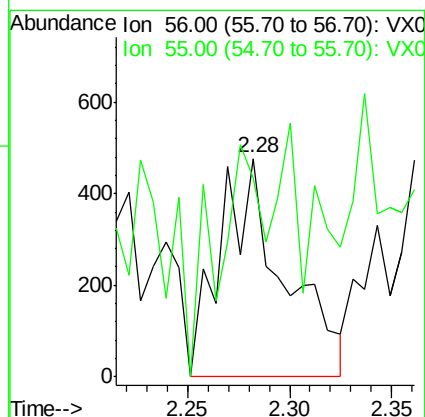
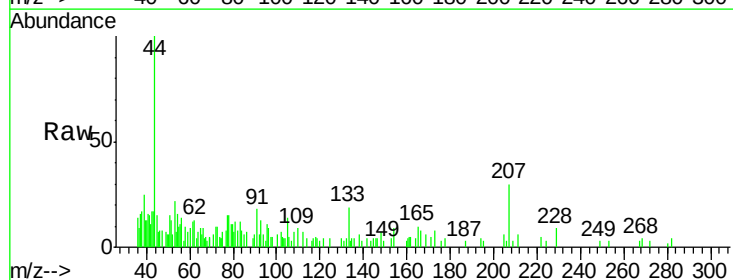
Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

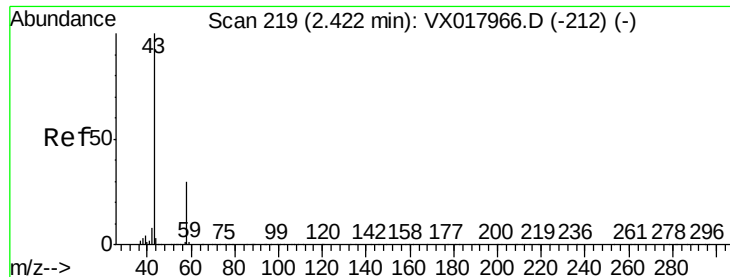
Tgt Ion: 59 Resp: 642
Ion Ratio Lower Upper
59 100
57 45.2 8.6 13.0#



#13
Acrolein
Concen: 1.269 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX018023.D
Acq: 20 Aug 2020 10:31

Tgt Ion: 56 Resp: 1035
Ion Ratio Lower Upper
56 100
55 74.7 58.2 87.4





#16

Acetone

Concen: 0.788 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX018023.D

Acq: 20 Aug 2020 10:31

Instrument :

MSVOA_X

ClientSampled :

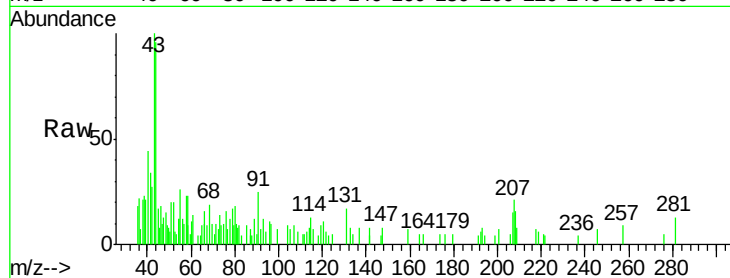
VX0820WBL01

Tgt Ion: 43 Resp: 2478

Ion Ratio Lower Upper

43 100

58 58.7 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

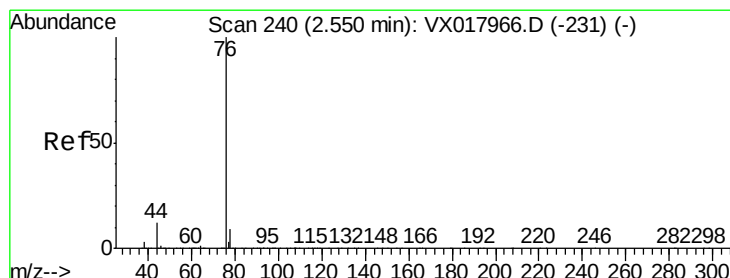
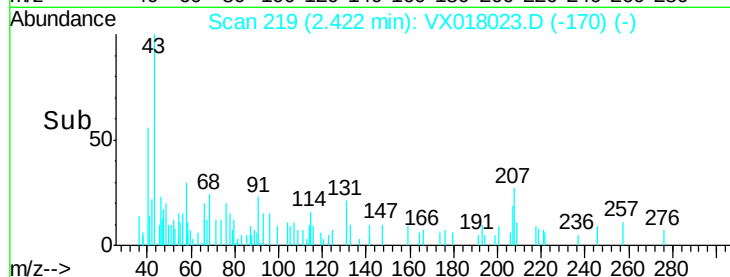
1500

1000

500

0

Time--> 2.35 2.40 2.45



#17

Carbon Disulfide

Concen: 0.364 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018023.D

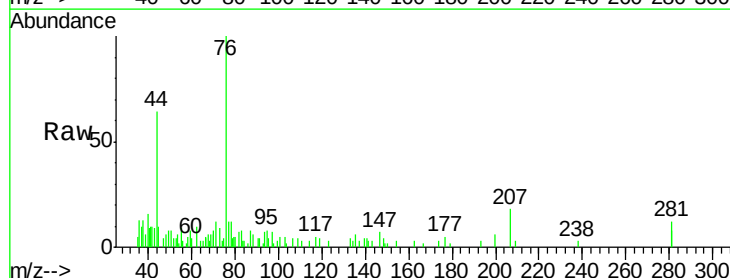
Acq: 20 Aug 2020 10:31

Tgt Ion: 76 Resp: 4346

Ion Ratio Lower Upper

76 100

78 7.6 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

2500

2000

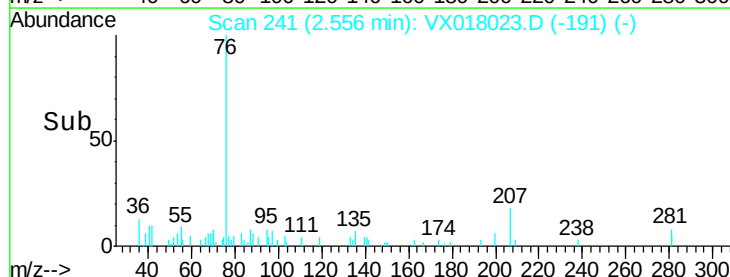
1500

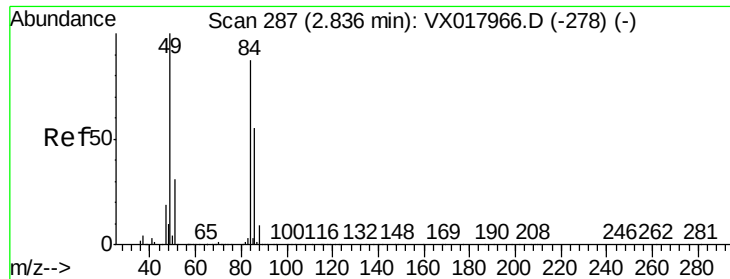
1000

500

0

Time--> 2.45 2.50 2.55 2.60





#20

Methylene Chloride

Concen: 0.637 ug/l

RT: 2.85 min Scan# 289

Delta R.T. 0.01 min

Lab File: VX018023.D

Acq: 20 Aug 2020 10:31

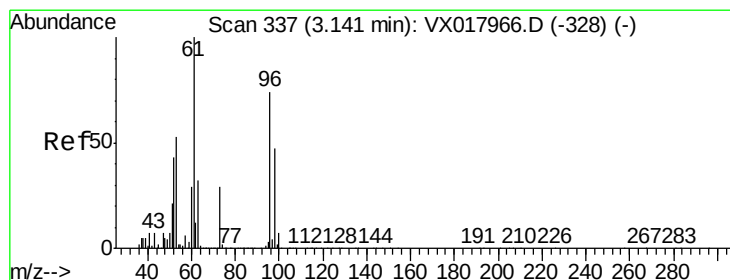
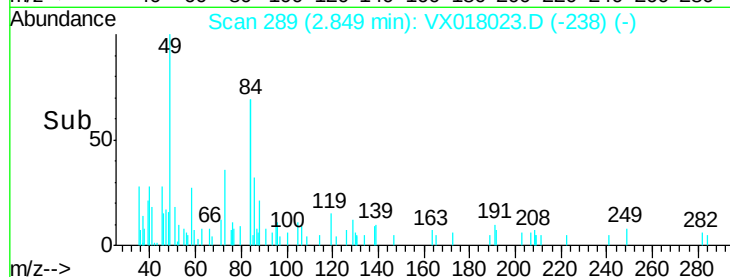
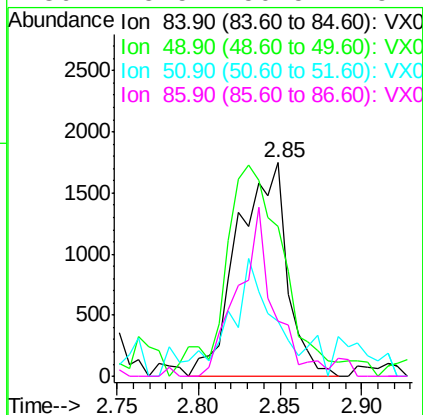
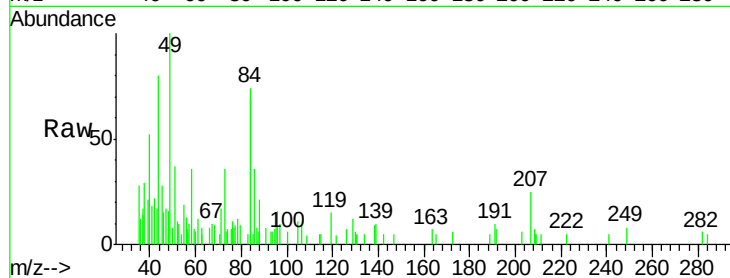
Instrument :

MSVOA_X

ClientSampled :

VX0820WBL01

Tgt Ion:	84	Resp:	3690
Ion	Ratio	Lower	Upper
84	100		
49	63.2	91.8	137.6#
51	7.1	27.8	41.8#
86	25.5	50.5	75.7#



#21

trans-1,2-Dichloroethene

Concen: 0.208 ug/l

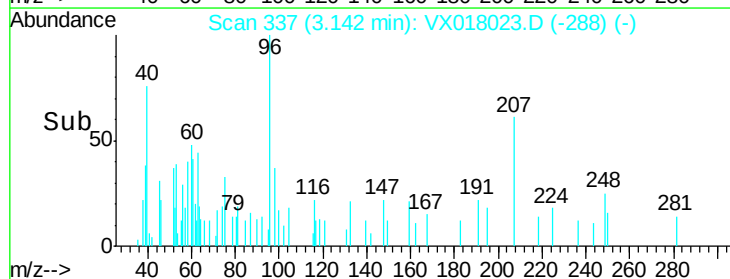
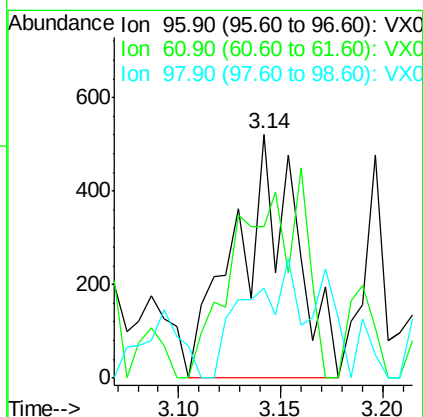
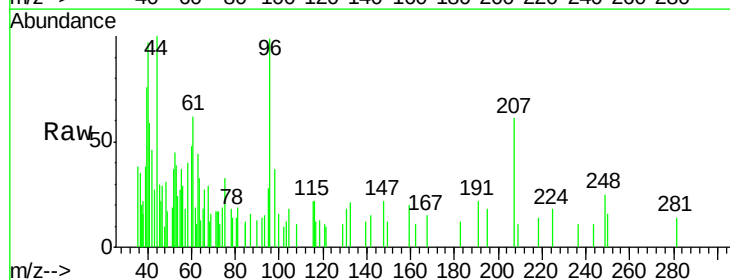
RT: 3.14 min Scan# 337

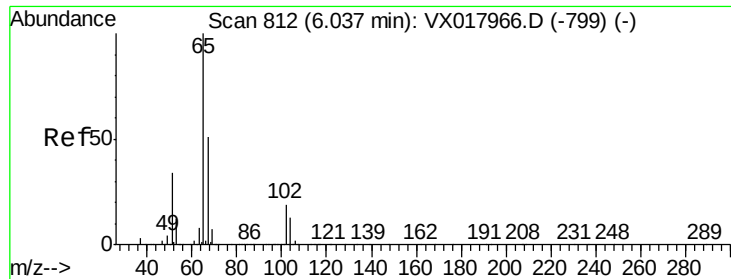
Delta R.T. 0.00 min

Lab File: VX018023.D

Acq: 20 Aug 2020 10:31

Tgt Ion:	96	Resp:	1054
Ion	Ratio	Lower	Upper
96	100		
61	62.2	108.6	163.0#
98	23.4	51.4	77.0#

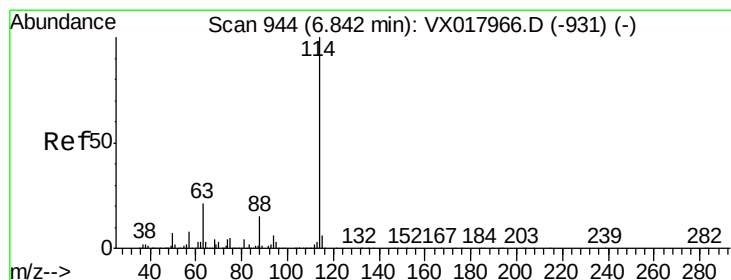
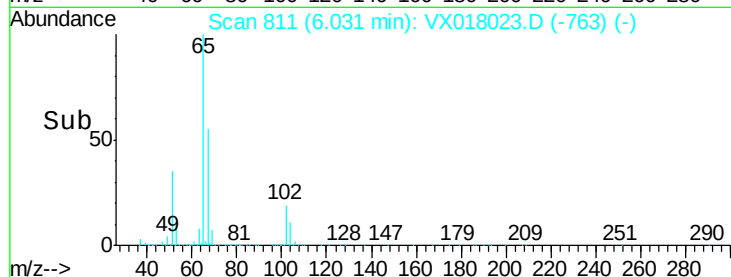
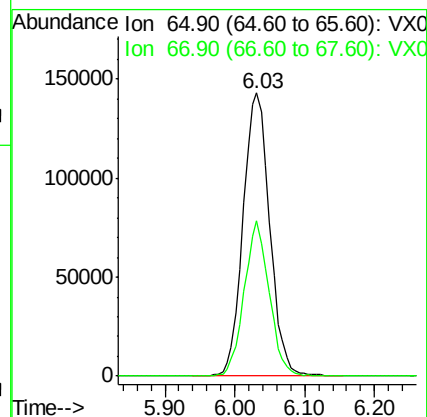
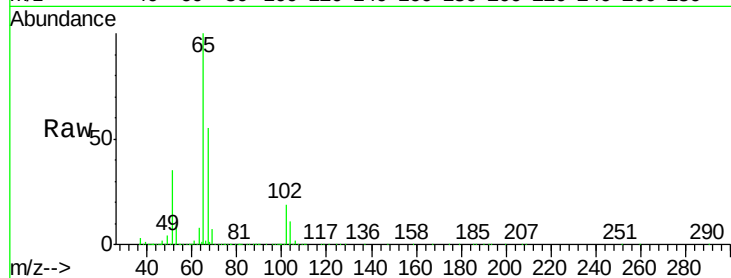




#33
 1,2-Dichloroethane-d4
 Concen: 47.210 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: VX018023.D
 Acq: 20 Aug 2020 10:31

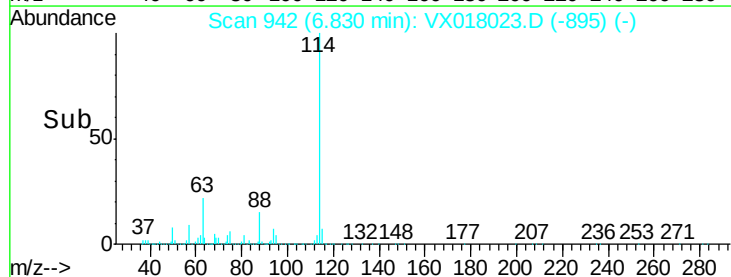
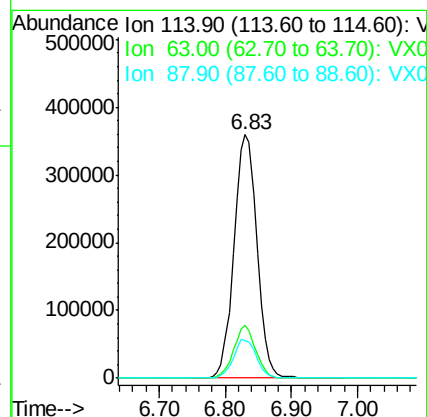
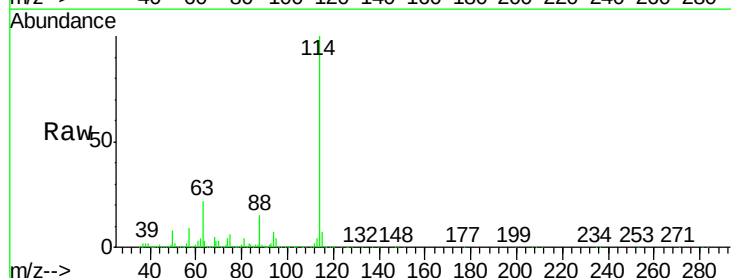
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBL01

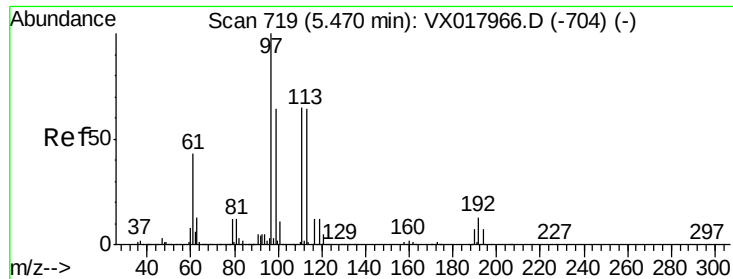
Tgt Ion: 65 Resp: 377560
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018023.D
 Acq: 20 Aug 2020 10:31

Tgt Ion: 114 Resp: 863261
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.6
 88 15.2 0.0 30.2

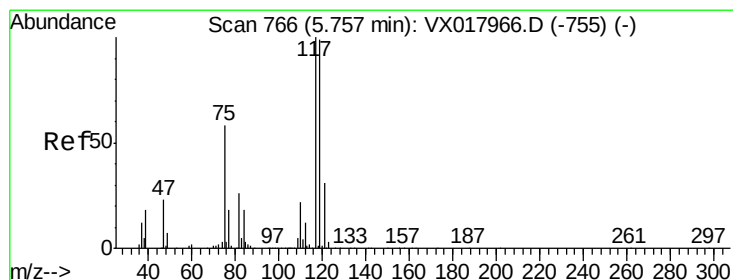
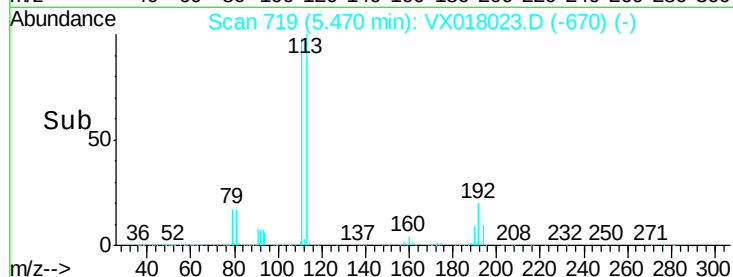
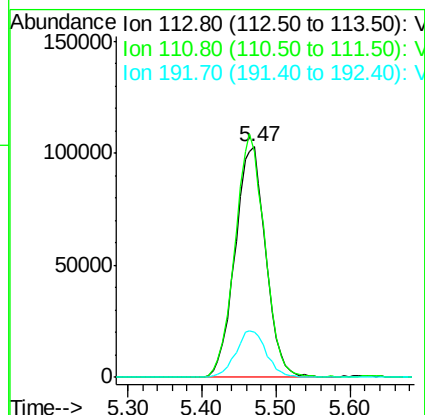
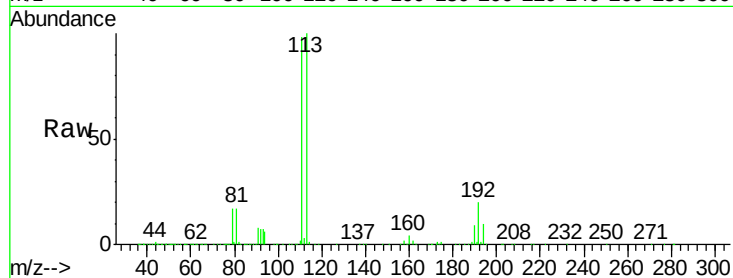




#35
 Dibromofluoromethane
 Concen: 46.268 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX018023.D
 Acq: 20 Aug 2020 10:31

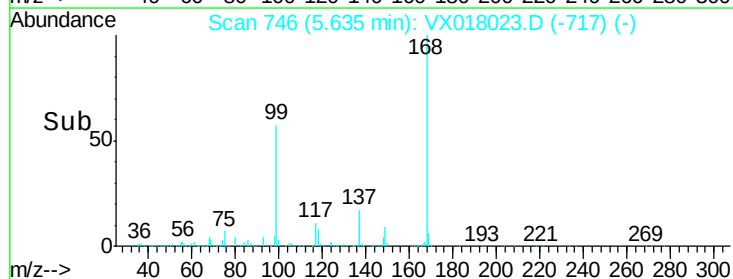
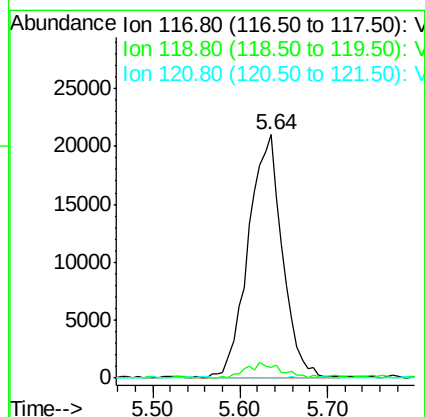
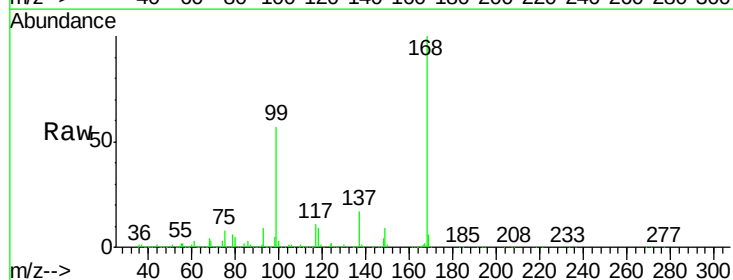
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBL01

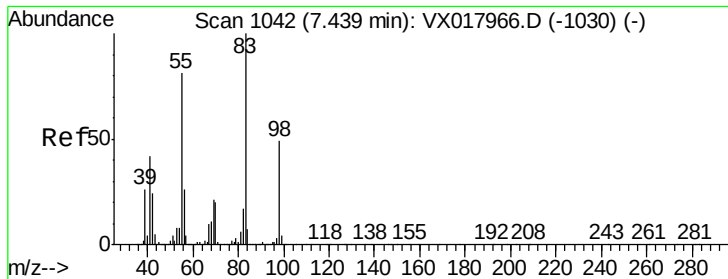
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.5	125.3
192	20.3	16.2	24.4



#38
 Carbon Tetrachloride
 Concen: 6.090 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX018023.D
 Acq: 20 Aug 2020 10:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	79.0	118.6#
121	0.0	24.7	37.1#

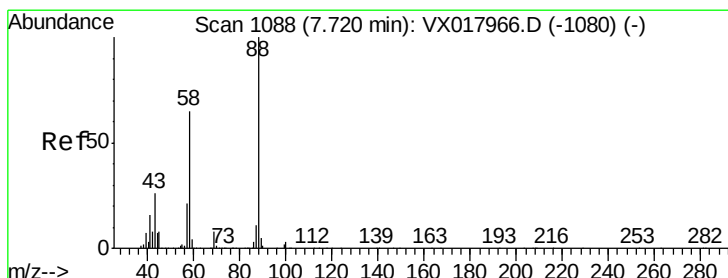
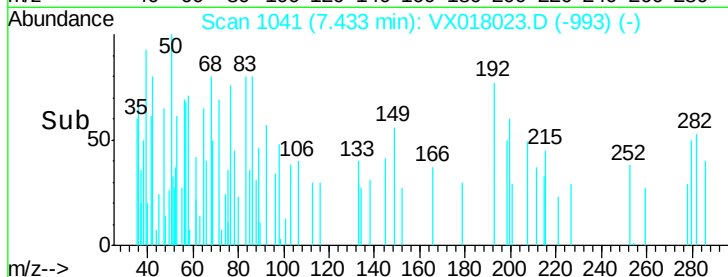
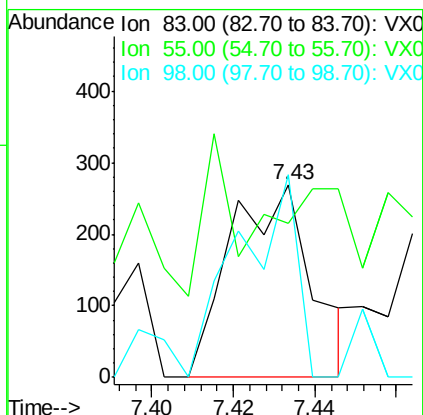
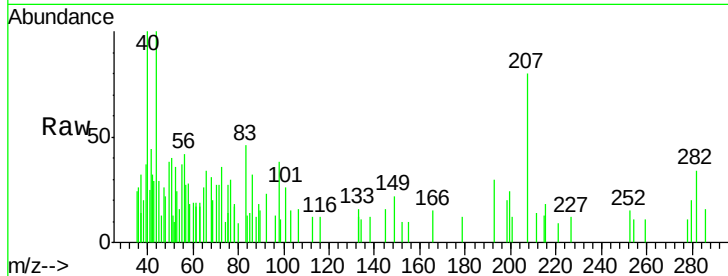




#39
Methylcyclohexane
Concen: 0.853 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX018023.D
Acq: 20 Aug 2020 10:31

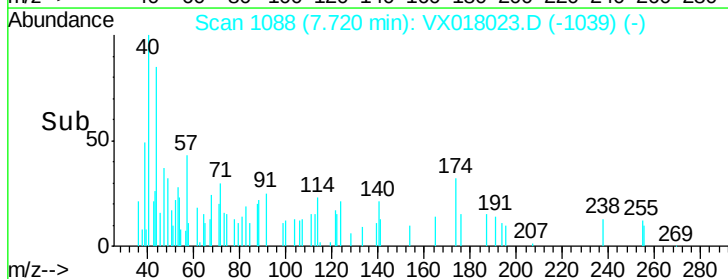
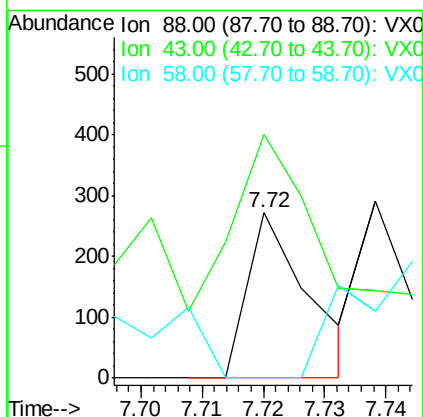
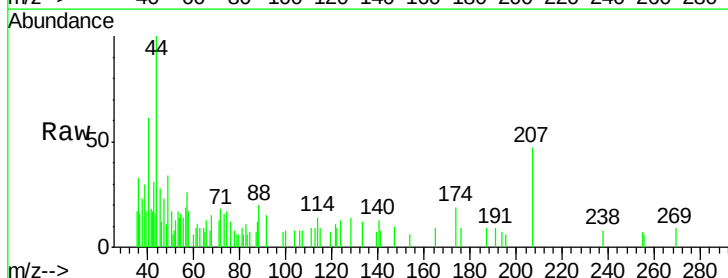
Instrument :
MSVOA_X
ClientSampled :
VX0820WBL01

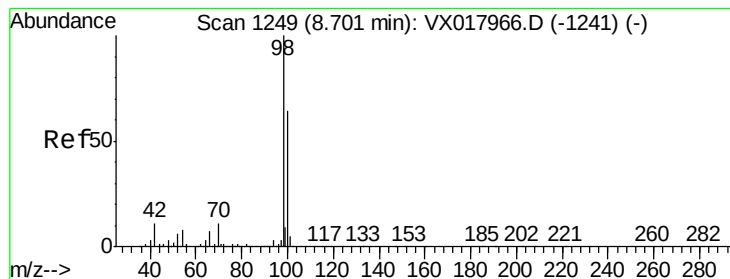
Tgt Ion: 83 Resp: 377
Ion Ratio Lower Upper
83 100
55 37.9 64.5 96.7#
98 105.2 39.0 58.6#



#49
1,4-Dioxane
Concen: 1.306 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX018023.D
Acq: 20 Aug 2020 10:31

Tgt Ion: 88 Resp: 185
Ion Ratio Lower Upper
88 100
43 136.8 27.3 40.9#
58 22.7 57.7 86.5#





#50

Toluene-d8

Concen: 46.100 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VX018023.D

Acq: 20 Aug 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

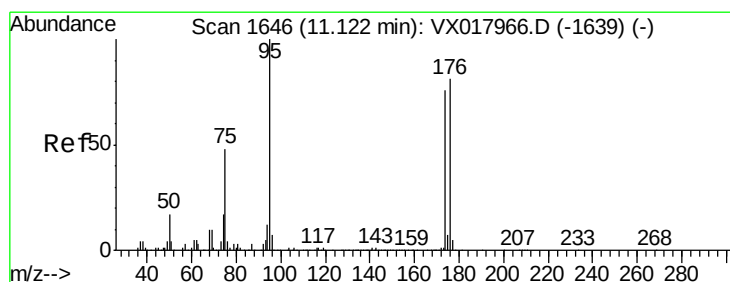
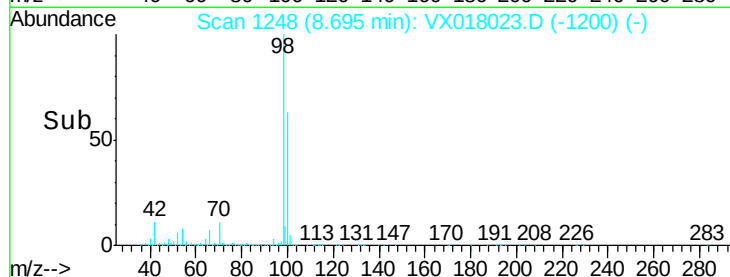
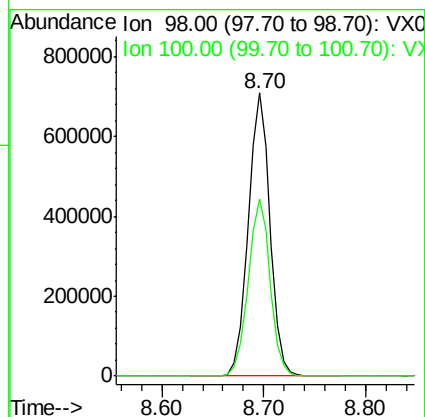
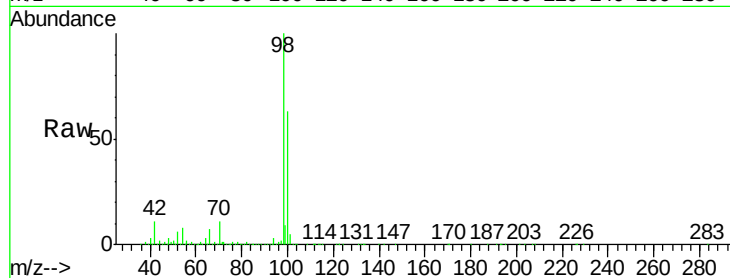
VX0820WBL01

Tgt Ion: 98 Resp: 1047563

Ion Ratio Lower Upper

98 100

100 63.3 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 44.051 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018023.D

Acq: 20 Aug 2020 10:31

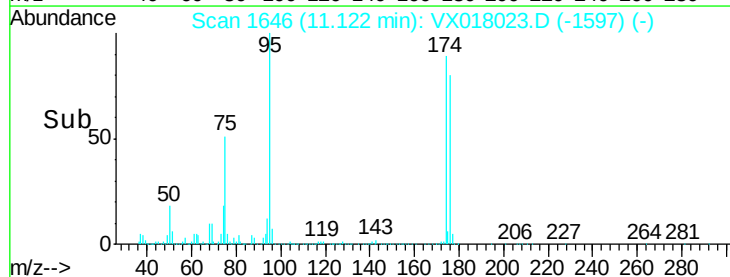
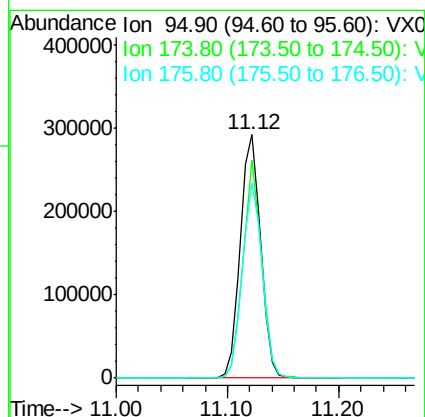
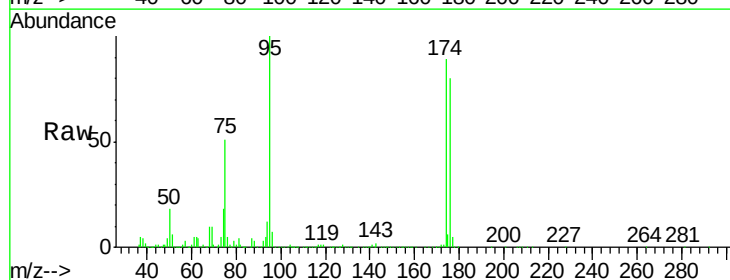
Tgt Ion: 95 Resp: 369711

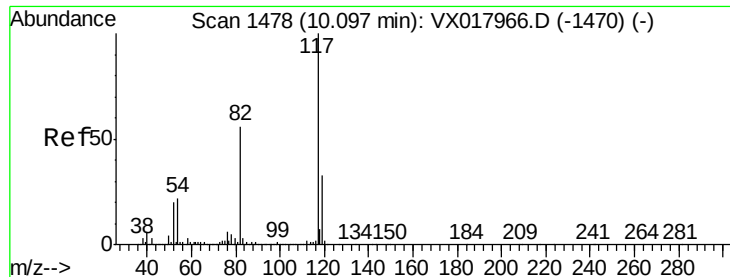
Ion Ratio Lower Upper

95 100

174 82.7 0.0 166.0

176 78.7 0.0 161.0

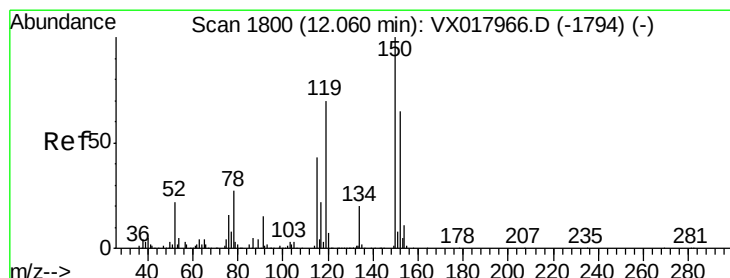
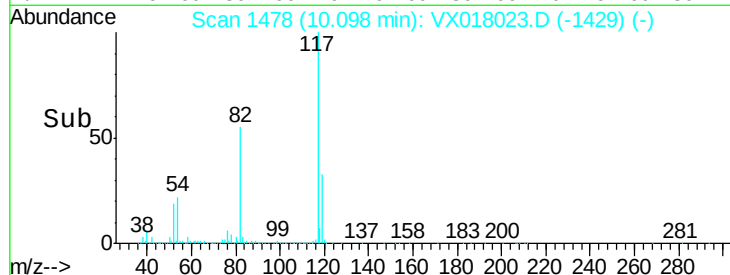
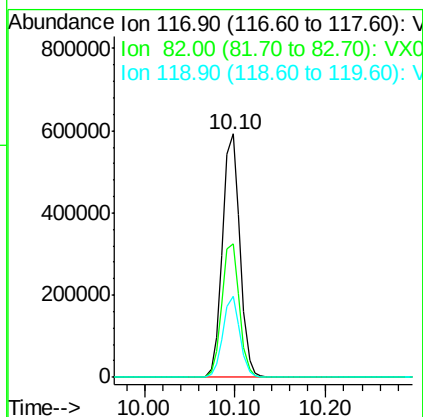
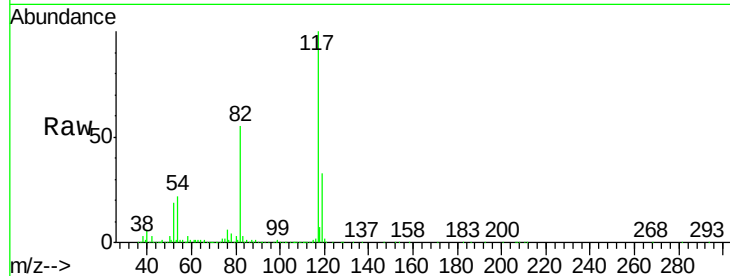




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018023.D
Acq: 20 Aug 2020 10:31

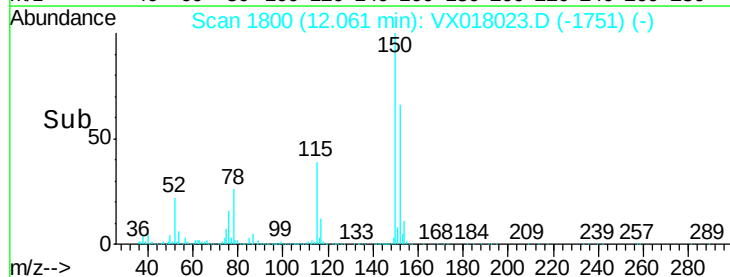
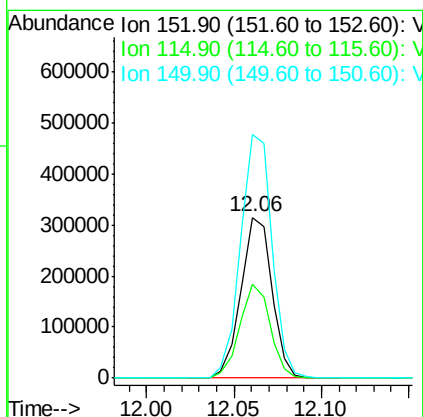
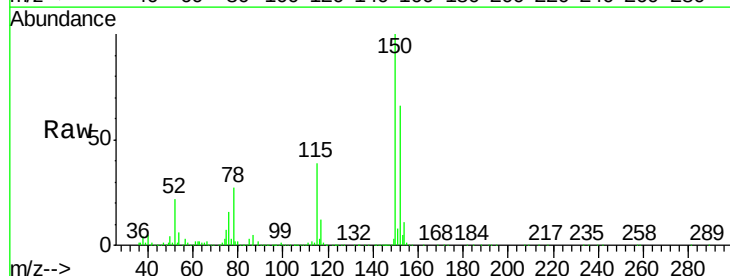
Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

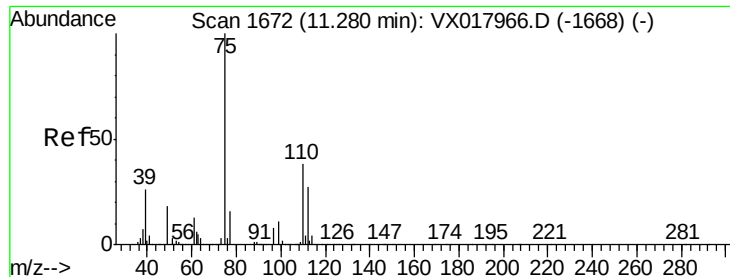
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.6	66.8
119	33.1	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX018023.D
Acq: 20 Aug 2020 10:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	40.6	121.7
150	153.6	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 22.826 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018023.D

Acq: 20 Aug 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

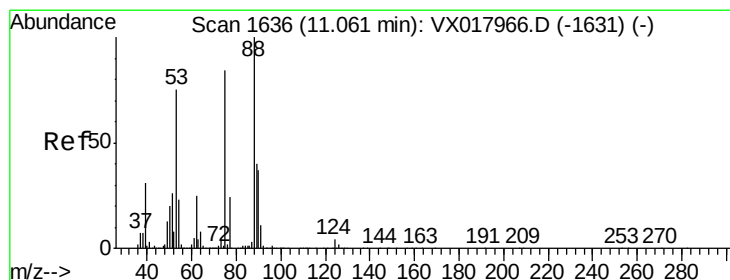
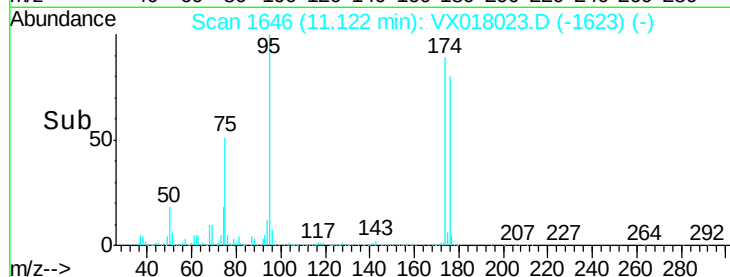
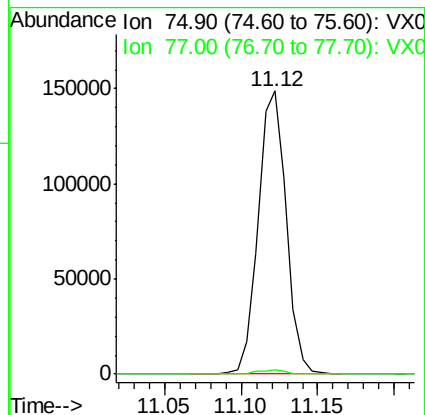
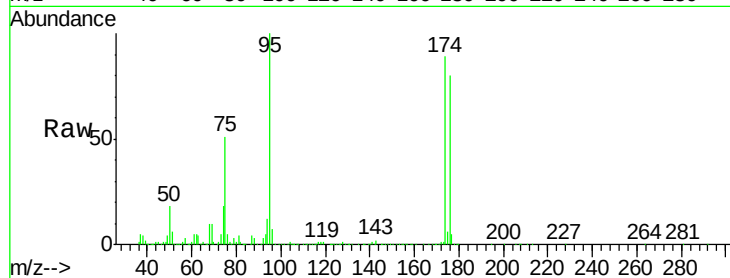
VX0820WBL01

Tgt Ion: 75 Resp: 189297

Ion Ratio Lower Upper

75 100

77 1.7 21.1 63.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.966 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018023.D

Acq: 20 Aug 2020 10:31

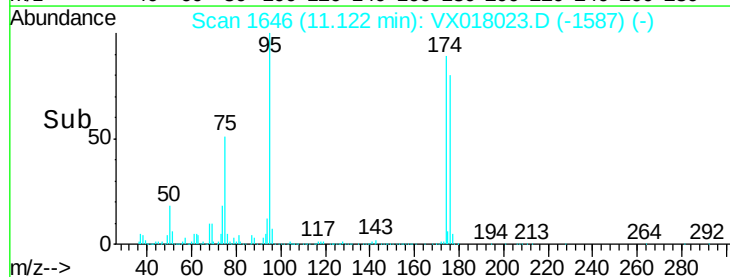
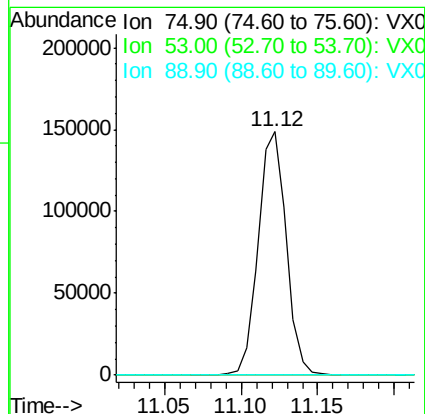
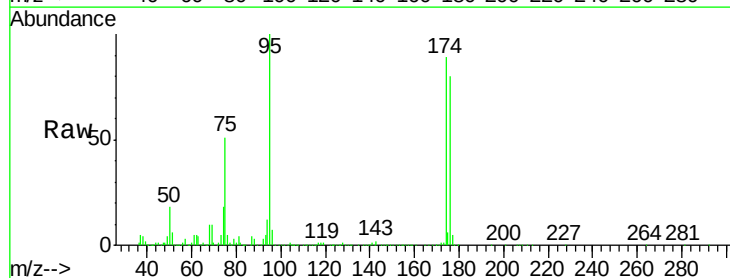
Tgt Ion: 75 Resp: 189297

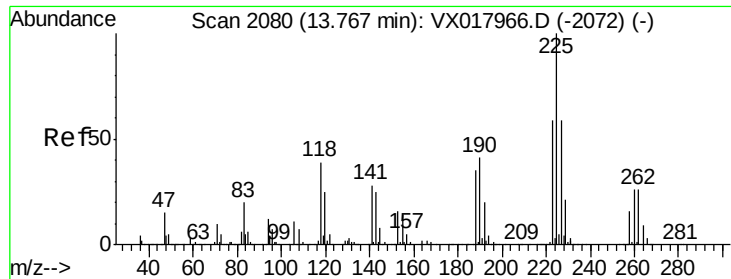
Ion Ratio Lower Upper

75 100

53 0.3 75.2 112.8#

89 0.1 38.4 57.6#





#94

Hexachlorobutadiene

Concen: 0.206 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX018023.D

Acq: 20 Aug 2020 10:31

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBL01

Tgt Ion: 225 Resp: 677

Ion Ratio Lower Upper

225 100

223 72.2 32.1 96.3

227 50.2 29.8 89.5

