

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051820\
 Data File : VX016301.D
 Acq On : 18 May 2020 16:10
 Operator : JC/SP
 Sample : L2665-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 19 00:46:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	311571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	497337	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	484195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	250010	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	173779	42.39	ug/l	0.00
Spiked Amount			Recovery	=	84.78%	
35) Dibromofluoromethane	5.47	113	142108	45.10	ug/l	0.00
Spiked Amount			Recovery	=	90.20%	
50) Toluene-d8	8.70	98	601962	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	11.12	95	241346	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	

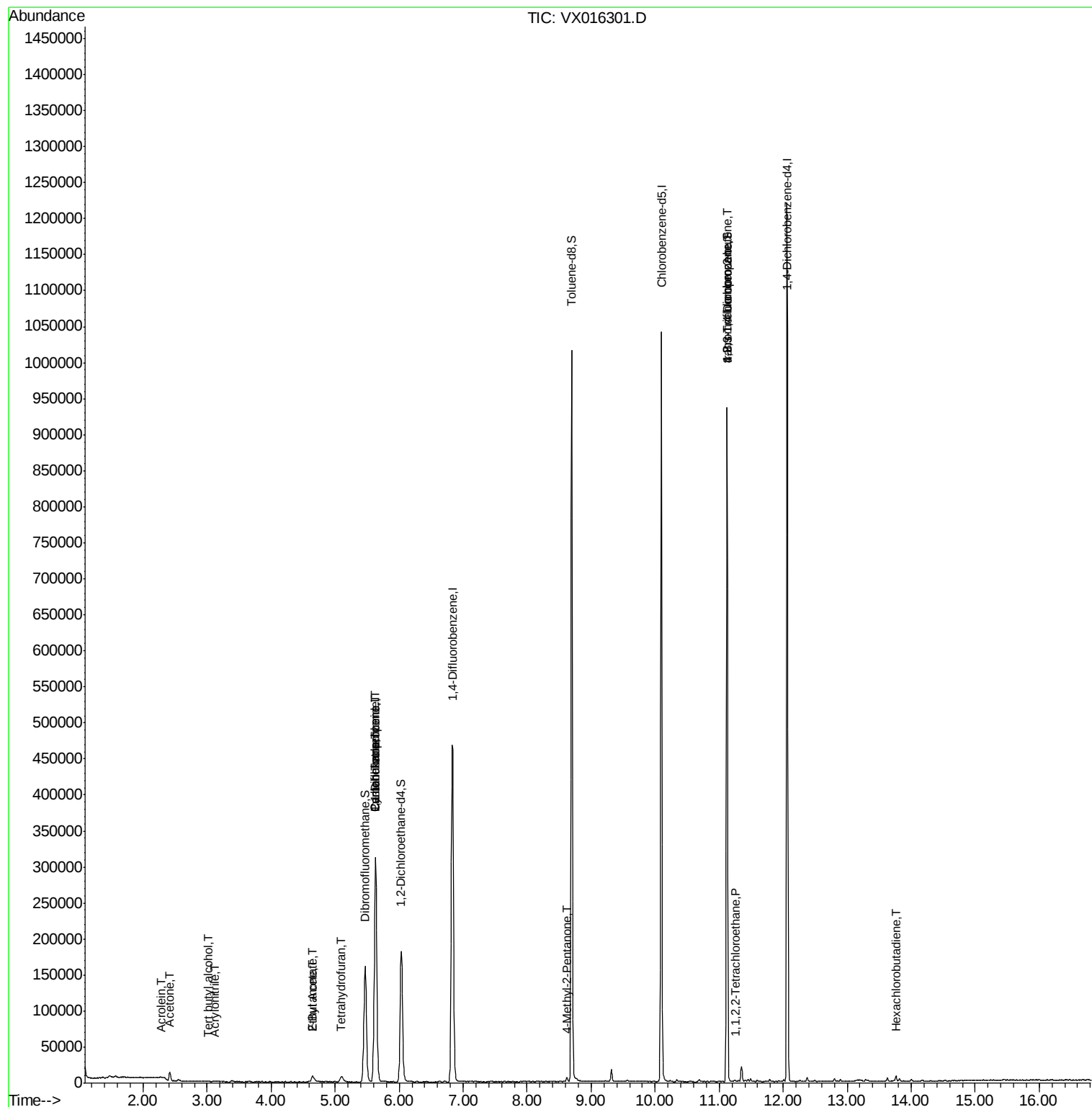
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	329	0.317	ug/l #	72
13) Acrolein	2.27	56	809	1.247	ug/l #	70
15) Acrylonitrile	3.12	53	581	0.270	ug/l #	88
16) Acetone	2.42	43	12372	6.763	ug/l	91
25) 2-Butanone	4.65	43	4335	1.471	ug/l	90
29) Tetrahydrofuran	5.09	42	7855	4.022	ug/l	97
31) Cyclohexane	5.62	56	5507	0.967	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	21570	4.406	ug/l #	50
37) Ethyl Acetate	4.65	43	4335	0.764	ug/l #	77
38) Carbon Tetrachloride	5.63	117	28542	5.736	ug/l #	14
51) 4-Methyl-2-Pentanone	8.62	43	3408	0.615	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	20	2.055	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	117204	20.659	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	117204	49.232	ug/l #	13
94) Hexachlorobutadiene	13.77	225	977	0.897	ug/l	84

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

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 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: VX016301.D

Acq: 18 May 2020 16:10

Instrument :

MSVOA_X

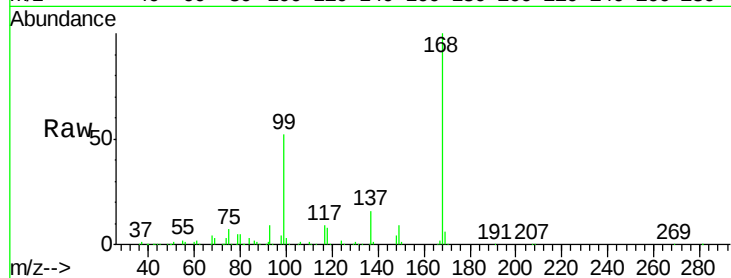
ClientSampled :

Tot Ion:168 Resp: 311571

Ion Ratio Lower Upper

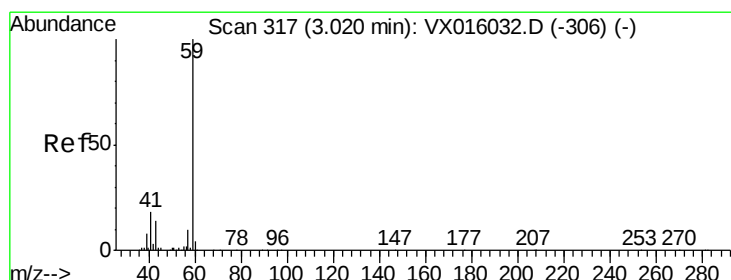
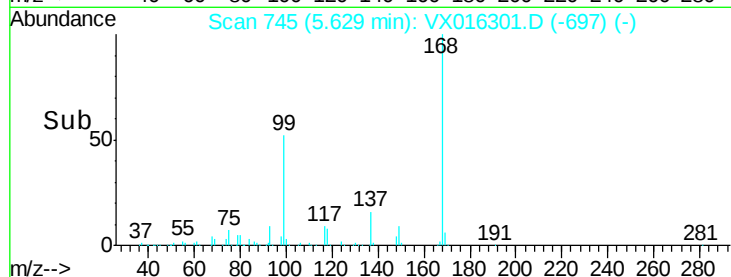
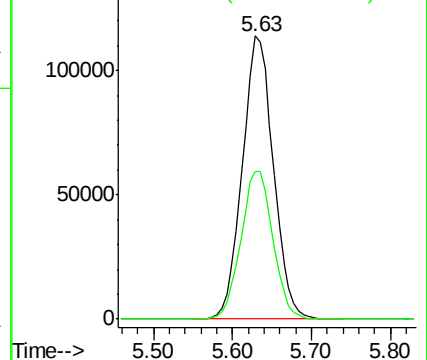
168 100

99 52.3 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.317 ug/l

RT: 3.02 min Scan# 317

Delta R.T. -0.00 min

Lab File: VX016301.D

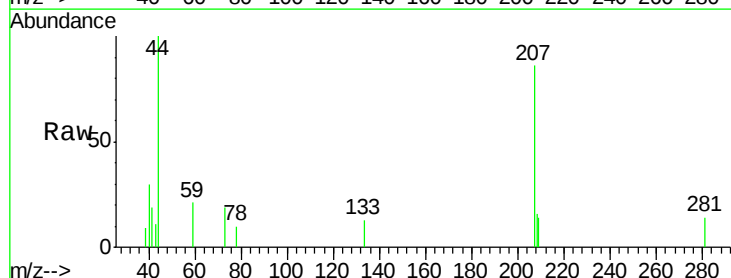
Acq: 18 May 2020 16:10

Tgt Ion: 59 Resp: 329

Ion Ratio Lower Upper

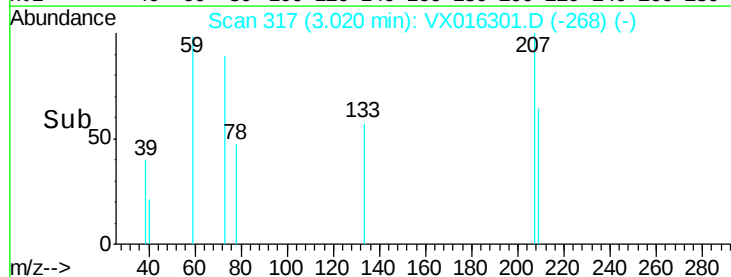
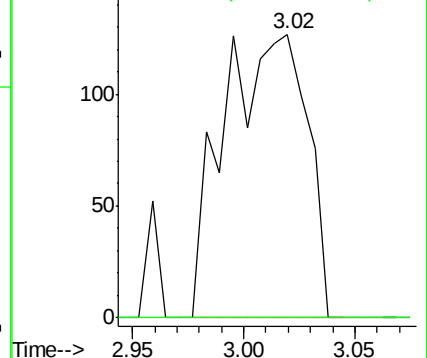
59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

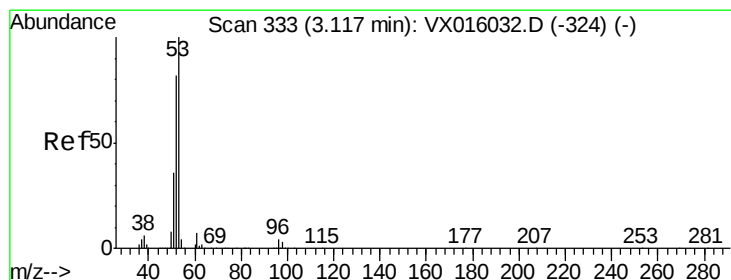
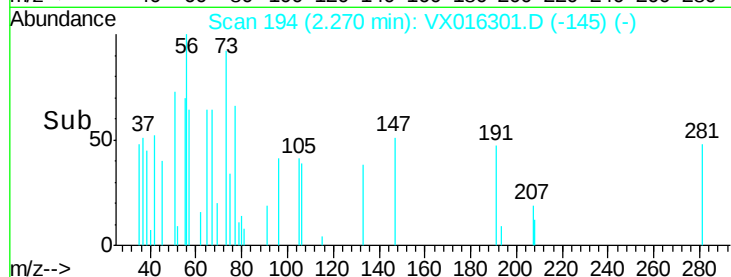
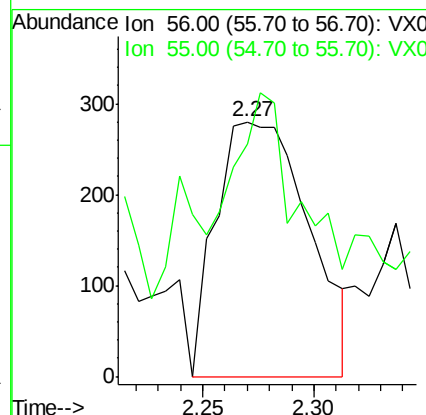
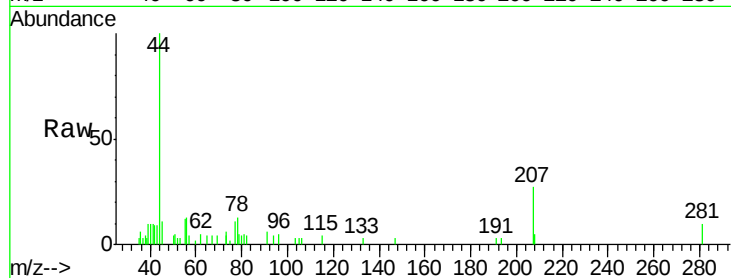




#13
Acrolein
Concen: 1.247 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016301.D
Acq: 18 May 2020 16:10

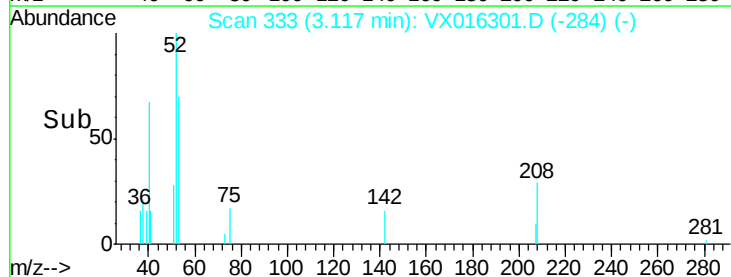
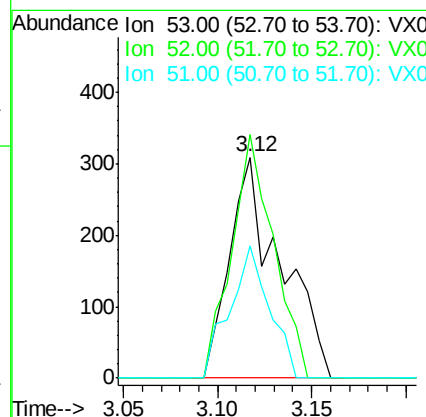
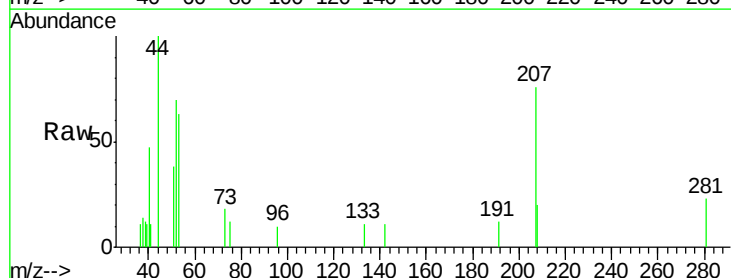
Instrument :
MSVOA_X
ClientSampled :

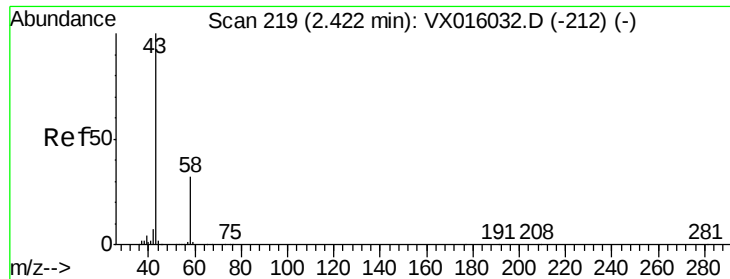
Tot Ion: 56 Resp: 809
Ion Ratio Lower Upper
56 100
55 45.6 56.5 84.7#



#15
Acrylonitrile
Concen: 0.270 ug/l
RT: 3.12 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX016301.D
Acq: 18 May 2020 16:10

Tgt Ion: 53 Resp: 581
Ion Ratio Lower Upper
53 100
52 90.4 66.1 99.1
51 46.6 28.8 43.2#





#16

Acetone

Concen: 6.763 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016301.D

Acq: 18 May 2020 16:10

Instrument :

MSVOA_X

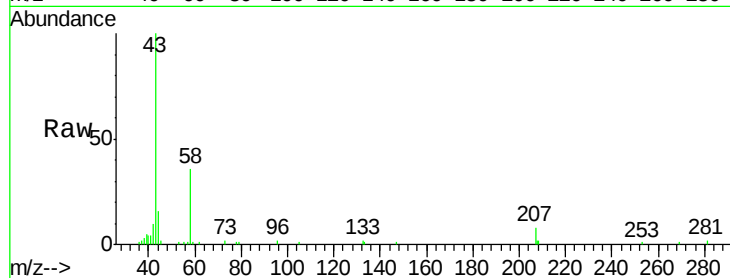
ClientSampleId :

Tot Ion: 43 Resp: 12372

Ion Ratio Lower Upper

43 100

58 36.7 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

8000

6000

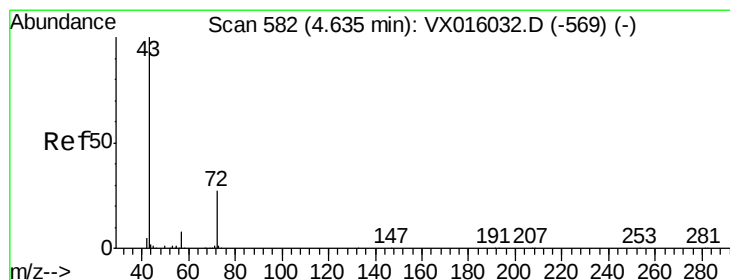
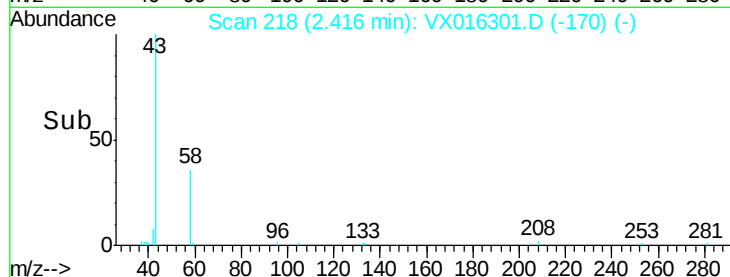
4000

2000

0

2.35 2.40 2.45 2.50

Time-->



#25

2-Butanone

Concen: 1.471 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016301.D

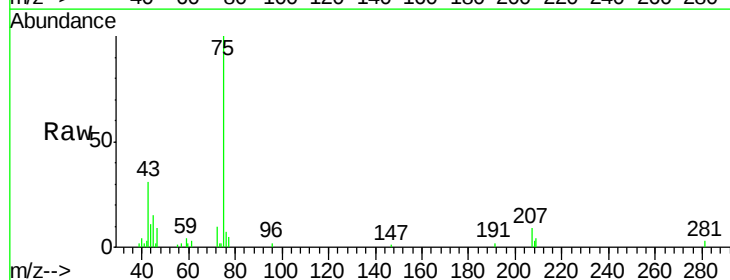
Acq: 18 May 2020 16:10

Tgt Ion: 43 Resp: 4335

Ion Ratio Lower Upper

43 100

72 32.6 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

1500

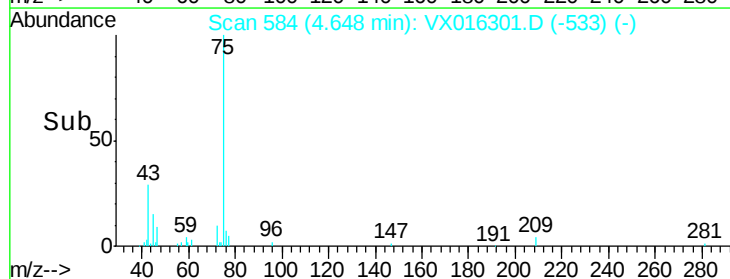
1000

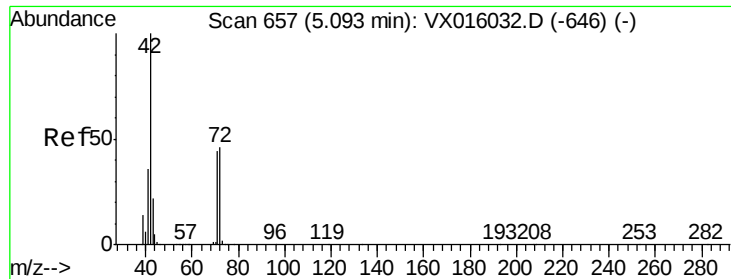
500

0

4.50 4.60 4.70 4.80

Time-->





#29

Tetrahydrofuran

Concen: 4.022 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX016301.D

Acq: 18 May 2020 16:10

Instrument :

MSVOA_X

ClientSampleId :

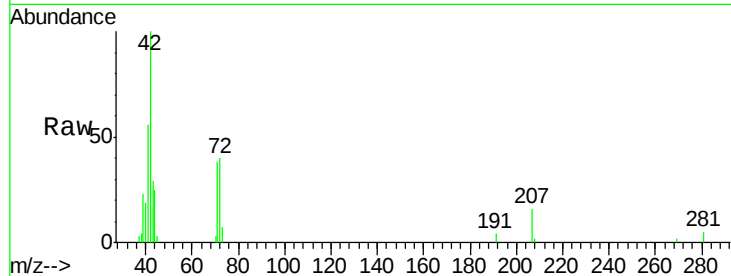
Tot Ion: 42 Resp: 7855

Ion Ratio Lower Upper

42 100

72 47.3 37.1 55.7

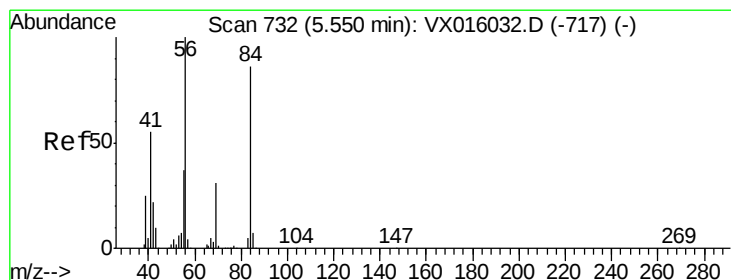
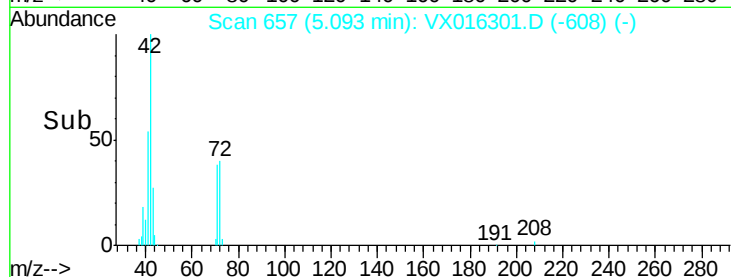
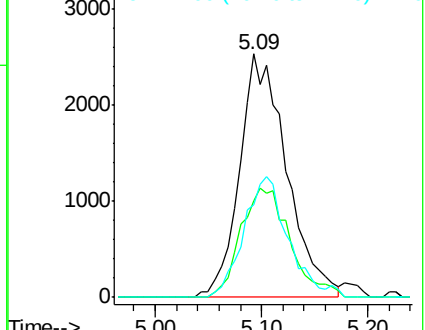
71 46.7 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 0.967 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX016301.D

Acq: 18 May 2020 16:10

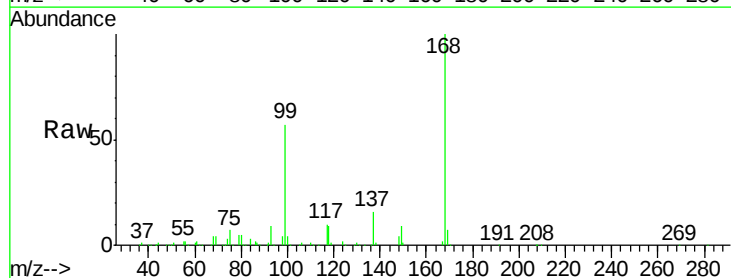
Tgt Ion: 56 Resp: 5507

Ion Ratio Lower Upper

56 100

69 191.7 25.0 37.6#

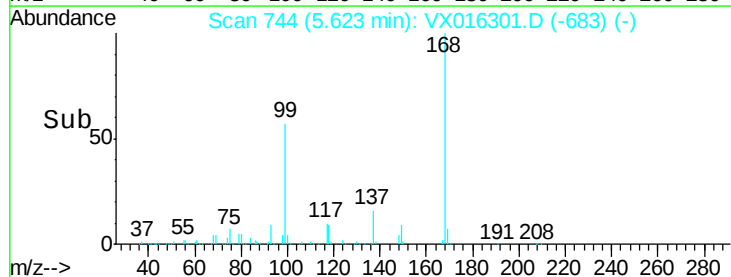
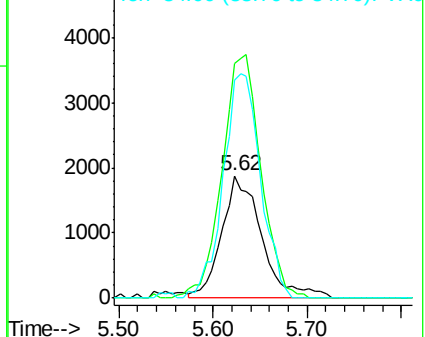
84 178.7 69.0 103.6#

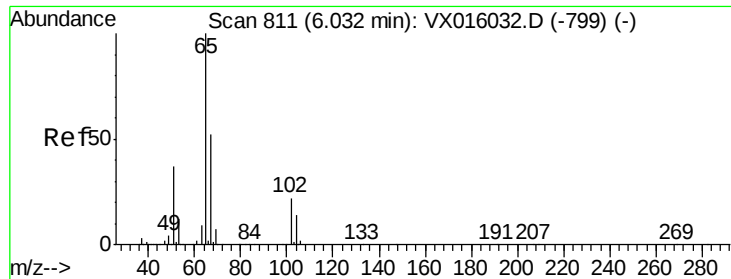


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 42.386 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016301.D

Acq: 18 May 2020 16:10

Instrument :

MSVOA_X

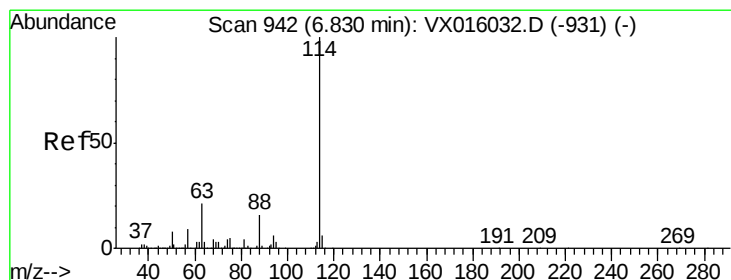
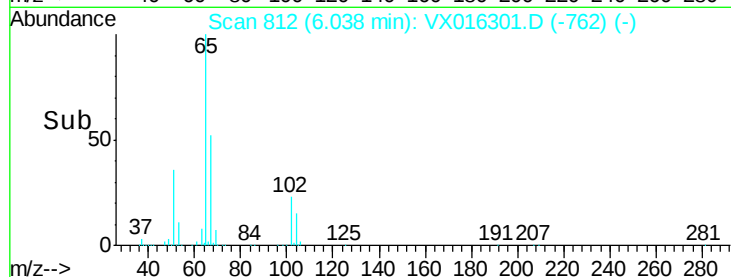
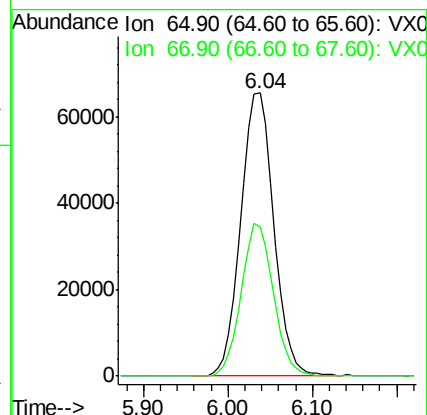
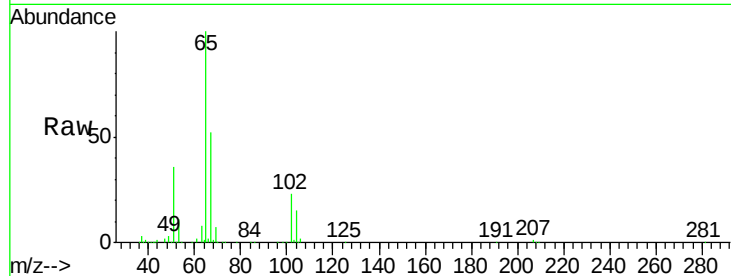
ClientSampleId :

Tot Ion: 65 Resp: 173779

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016301.D

Acq: 18 May 2020 16:10

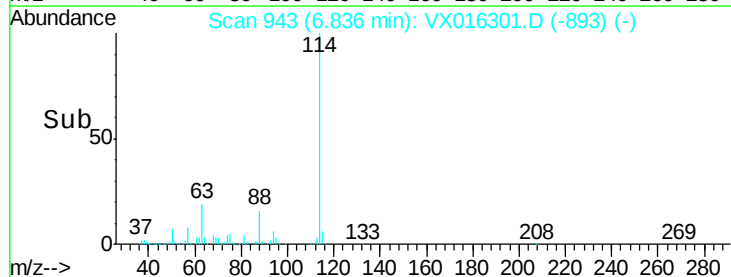
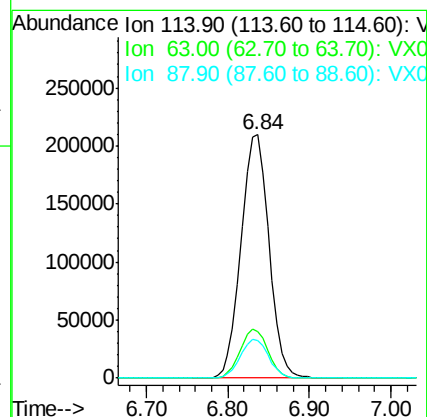
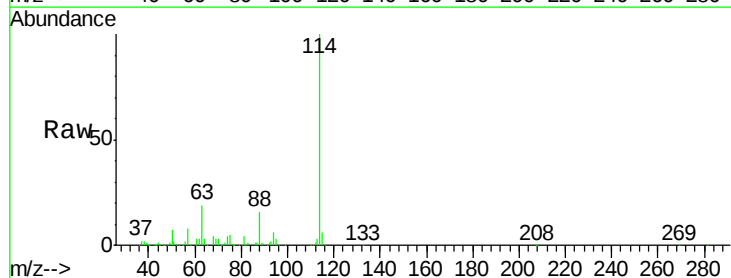
Tgt Ion: 114 Resp: 497337

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.8

88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 45.102 ug/l

RT: 5.47 min Scan# 719

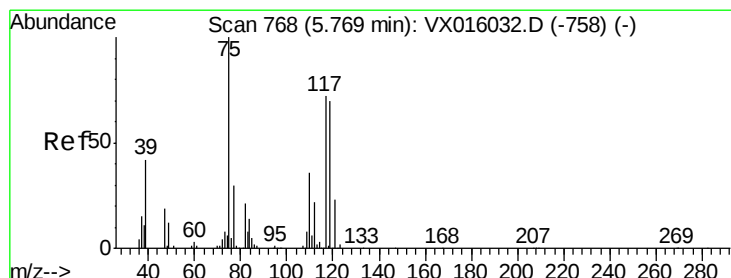
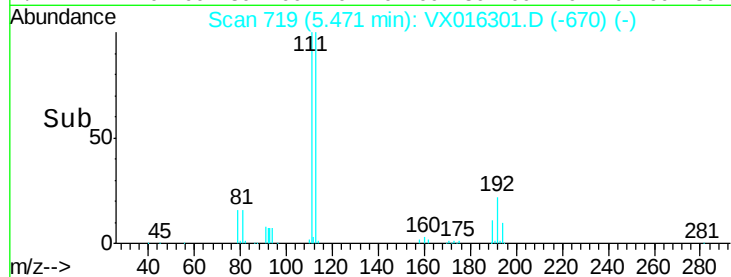
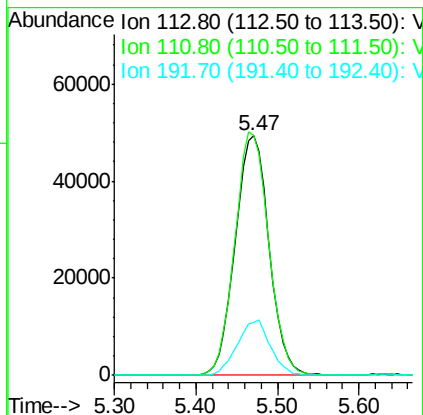
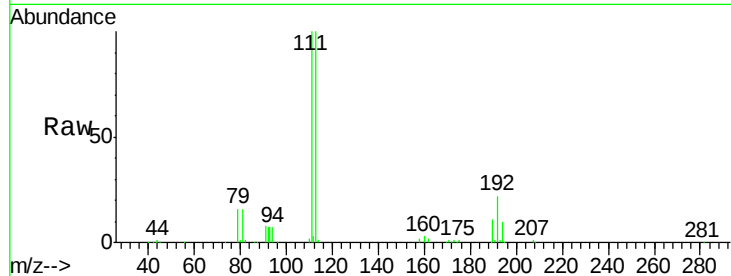
Delta R.T. -0.00 min

Lab File: VX016301.D

Acq: 18 May 2020 16:10

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:113	Resp:	142108
Ion Ratio	Lower	Upper
113	100	
111	101.5	81.6 122.4
192	22.7	17.0 25.4



#36

1,1-Dichloropropene

Concen: 4.406 ug/l

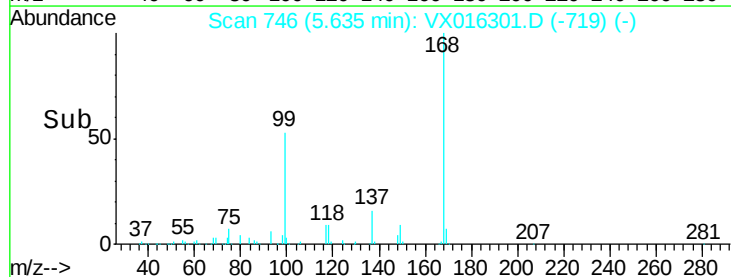
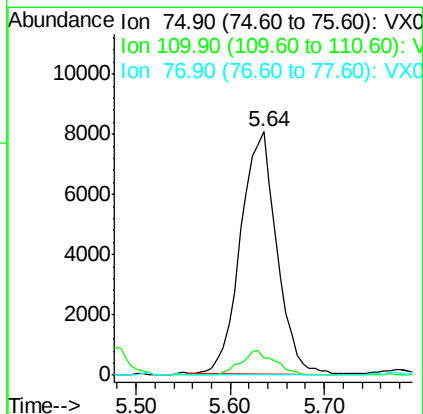
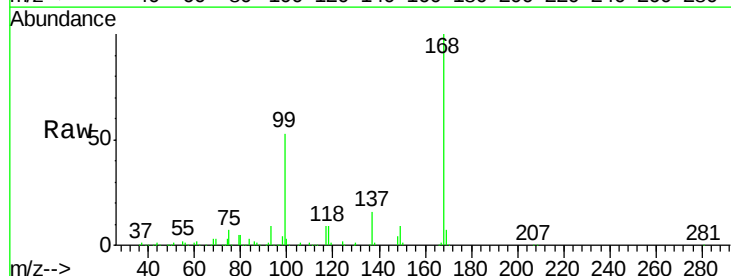
RT: 5.64 min Scan# 746

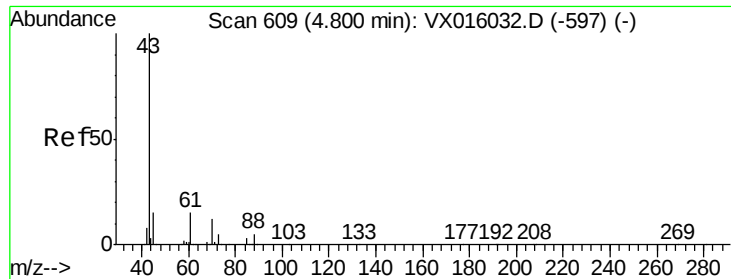
Delta R.T. -0.13 min

Lab File: VX016301.D

Acq: 18 May 2020 16:10

Tgt Ion: 75	Resp:	21570
Ion Ratio	Lower	Upper
75	100	
110	9.6	18.1 54.1#
77	0.0	25.0 37.6#

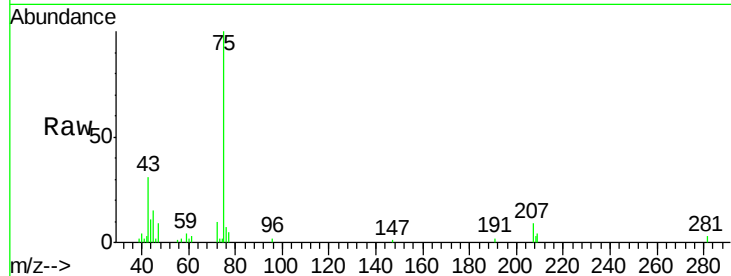




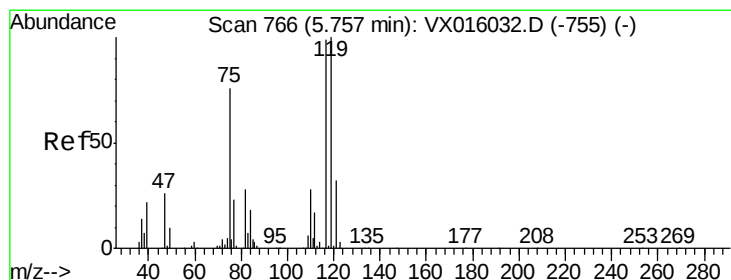
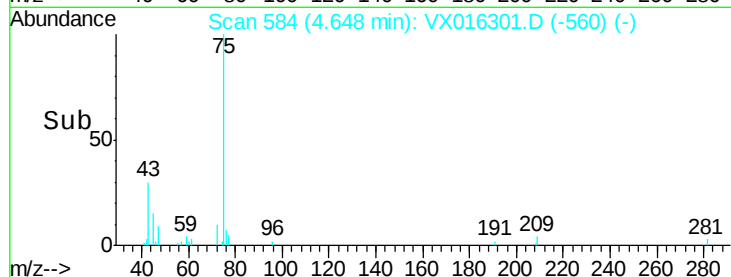
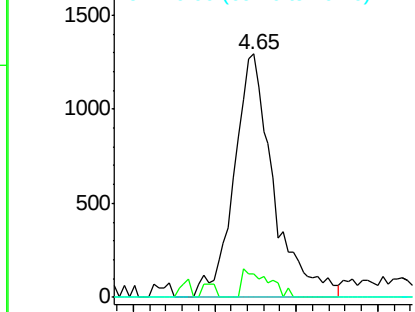
#37
Ethyl Acetate
Concen: 0.764 ug/l
RT: 4.65 min Scan# 584
Delta R.T. -0.15 min
Lab File: VX016301.D
Acq: 18 May 2020 16:10

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	7.6	11.7	17.5#
70	0.0	9.3	13.9#

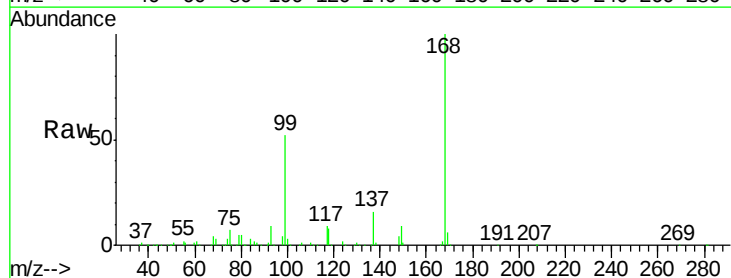


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

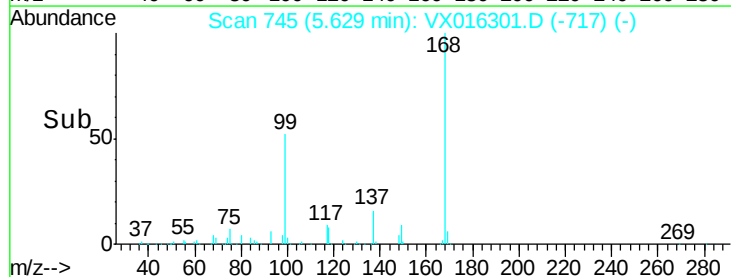
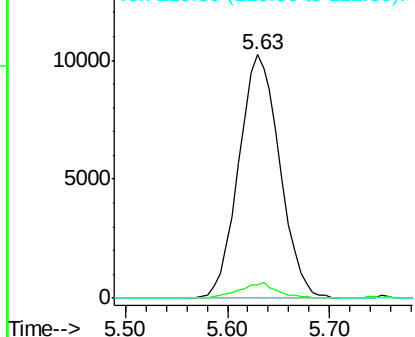


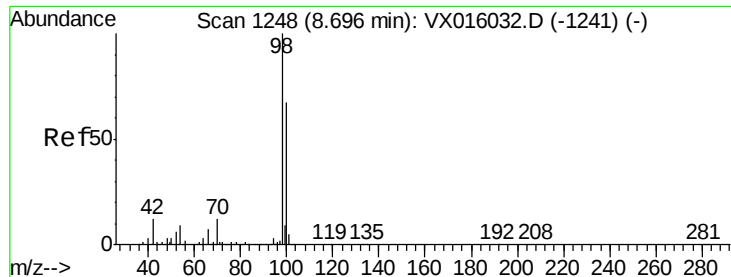
#38
Carbon Tetrachloride
Concen: 5.736 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016301.D
Acq: 18 May 2020 16:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	80.3	120.5#
121	0.0	25.7	38.5#



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: 49.583 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016301.D

Acq: 18 May 2020 16:10

Instrument :

MSVOA_X

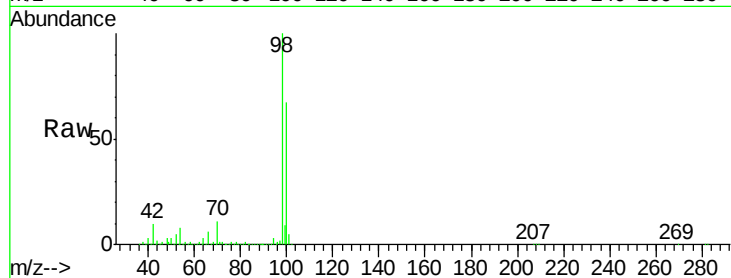
ClientSampled :

Tot Ion: 98 Resp: 601962

Ion Ratio Lower Upper

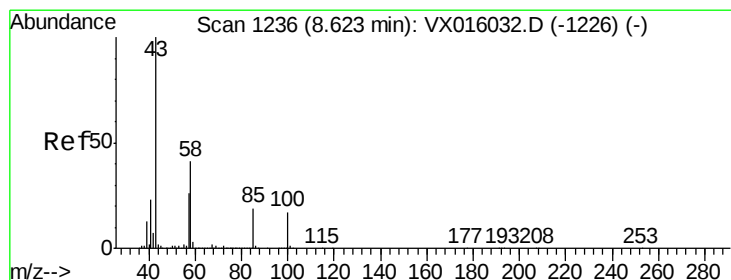
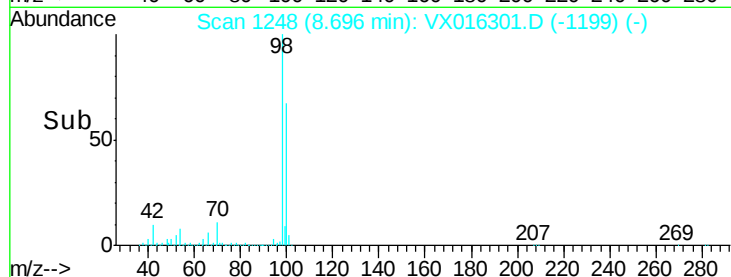
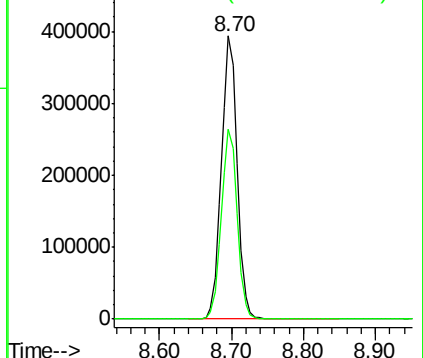
98 100

100 67.4 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.615 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX016301.D

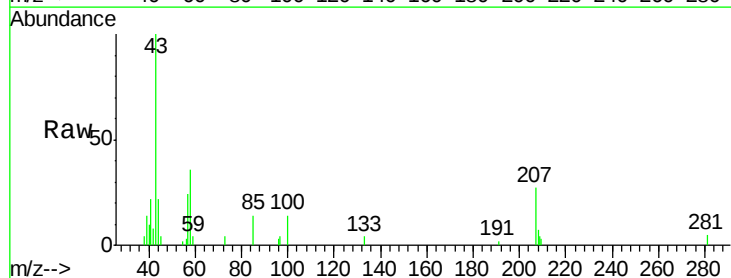
Acq: 18 May 2020 16:10

Tgt Ion: 43 Resp: 3408

Ion Ratio Lower Upper

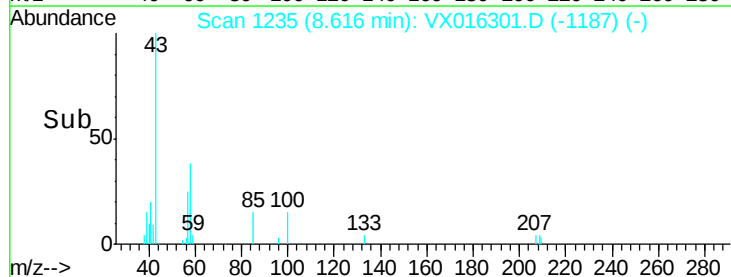
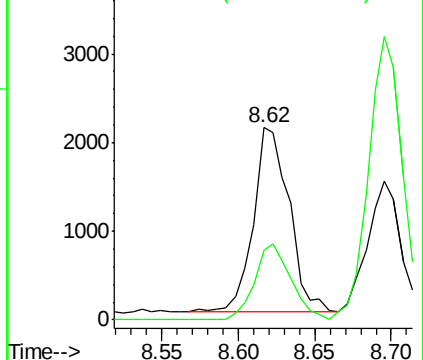
43 100

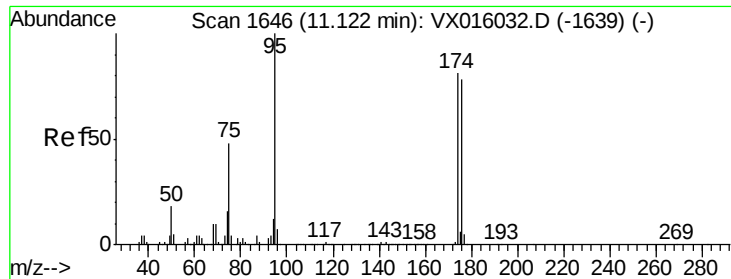
58 41.3 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

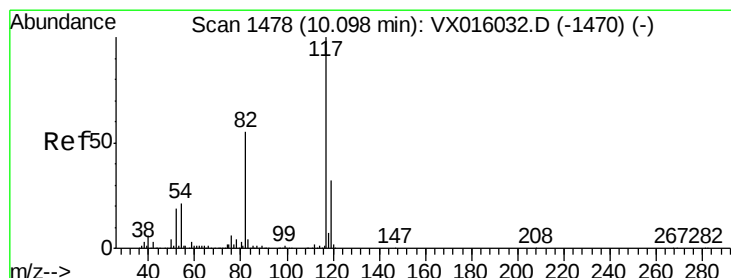
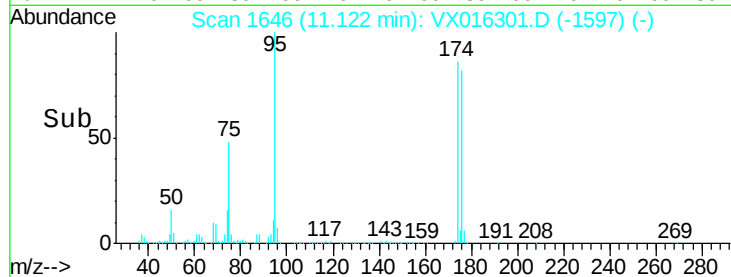
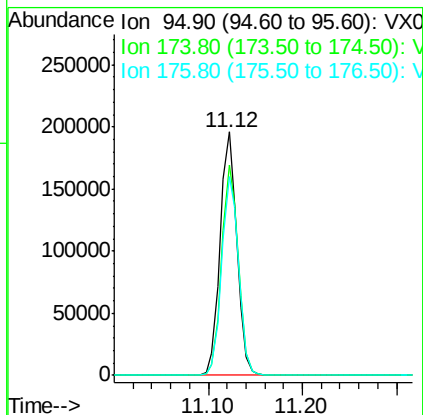
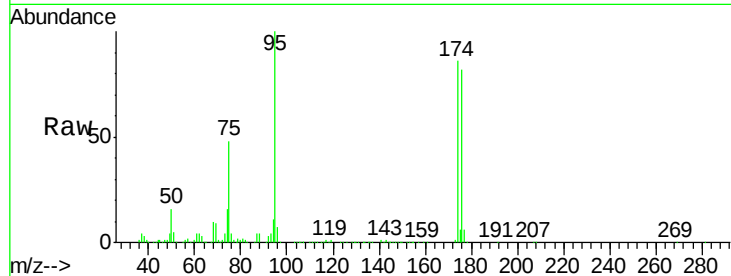




#62
4-Bromofluorobenzene
Concen: 52.266 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016301.D
Acq: 18 May 2020 16:10

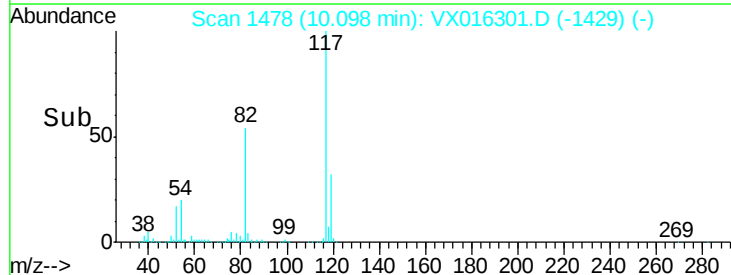
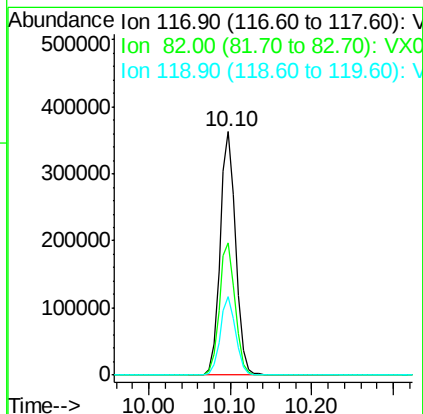
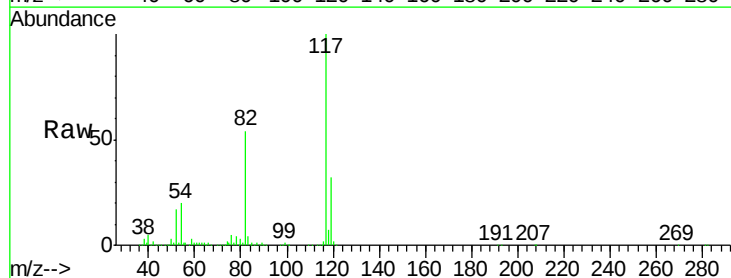
Instrument :
MSVOA_X
ClientSampled :

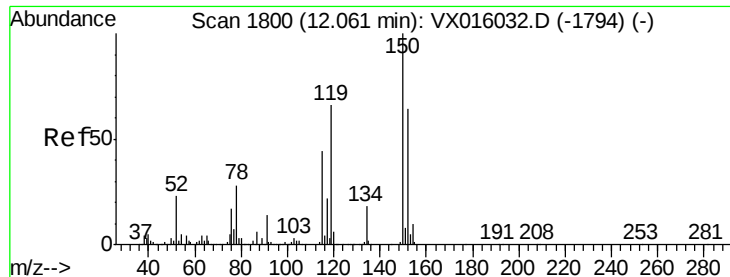
Tot Ion: 95 Resp: 241346
Ion Ratio Lower Upper
95 100
174 86.0 0.0 159.4
176 82.3 0.0 157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016301.D
Acq: 18 May 2020 16:10

Tgt Ion: 117 Resp: 484195
Ion Ratio Lower Upper
117 100
82 54.5 44.4 66.6
119 32.3 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016301.D

Acq: 18 May 2020 16:10

Instrument :

MSVOA_X

ClientSampled :

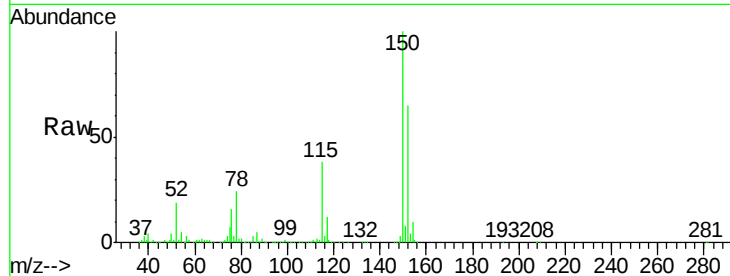
Tot Ion:152 Resp: 250010

Ion Ratio Lower Upper

152 100

115 57.9 41.3 124.1

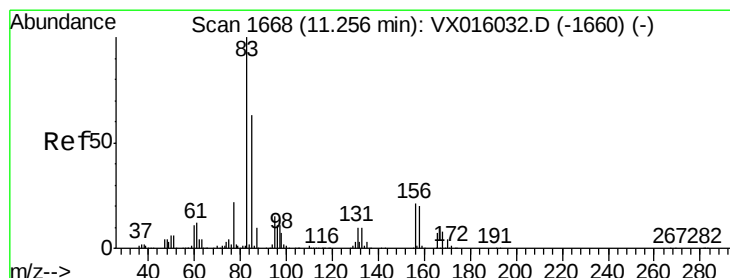
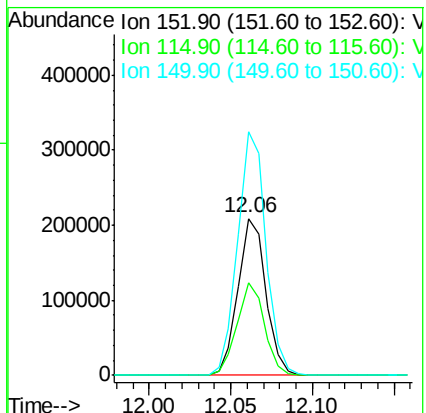
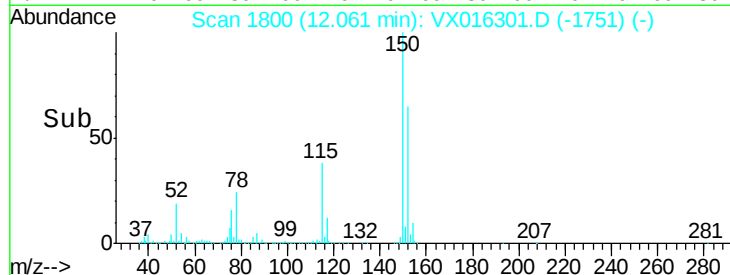
150 156.9 0.0 352.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 2.055 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016301.D

Acq: 18 May 2020 16:10

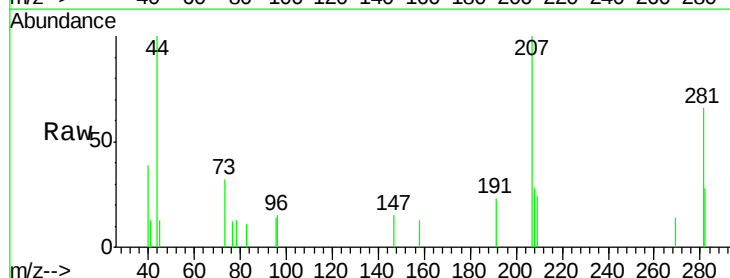
Tgt Ion: 83 Resp: 20

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

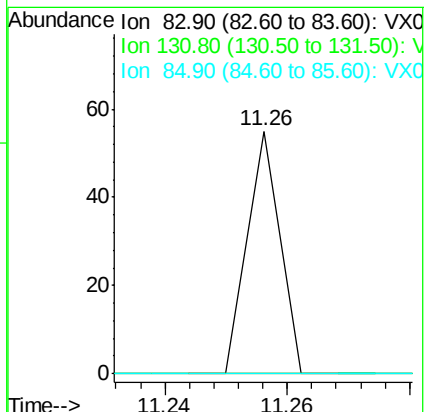
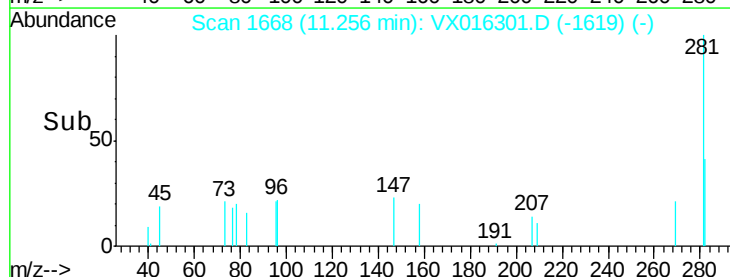
85 0.0 32.0 96.0#

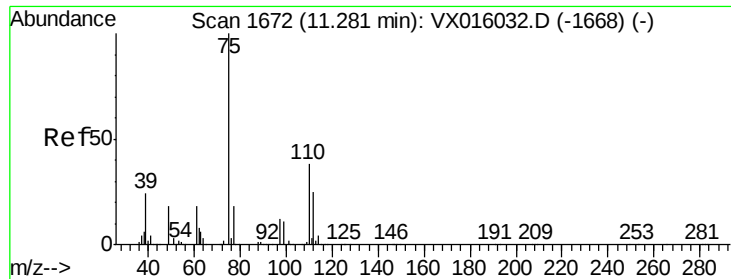


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 20.659 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016301.D

Acq: 18 May 2020 16:10

Instrument :

MSVOA_X

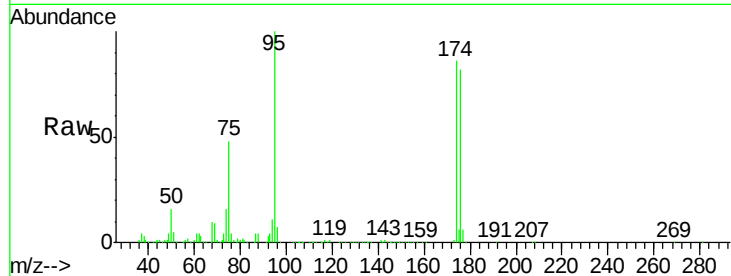
ClientSampleId :

Tot Ion: 75 Resp: 117204

Ion Ratio Lower Upper

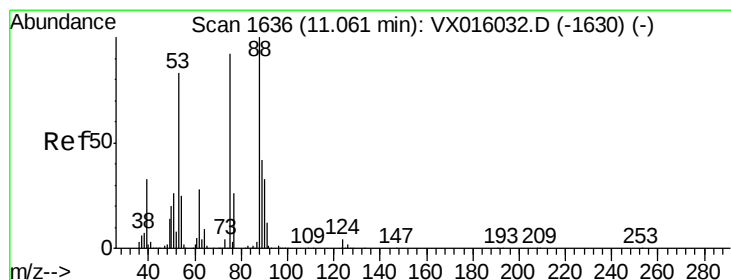
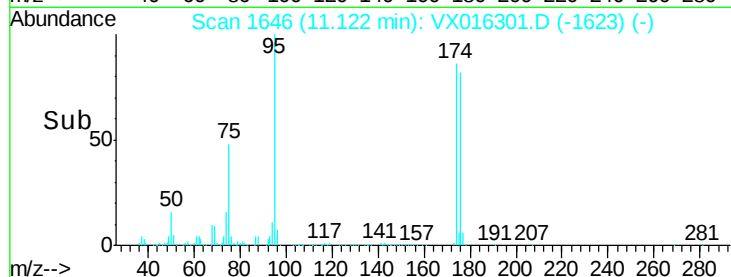
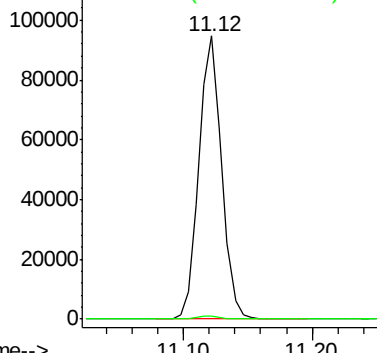
75 100

77 1.2 21.2 63.6#



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: 49.232 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016301.D

Acq: 18 May 2020 16:10

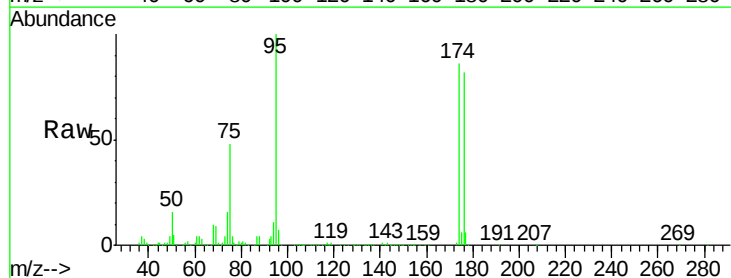
Tgt Ion: 75 Resp: 117204

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

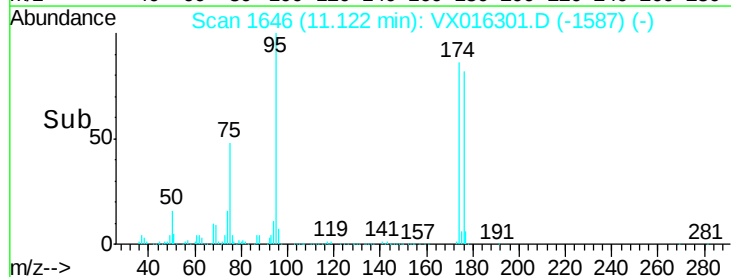
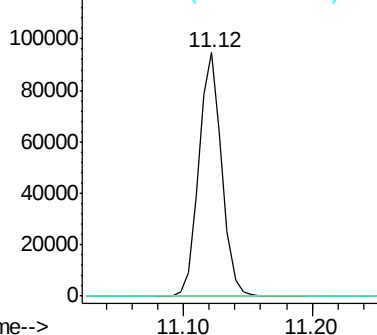
89 0.0 36.7 55.1#

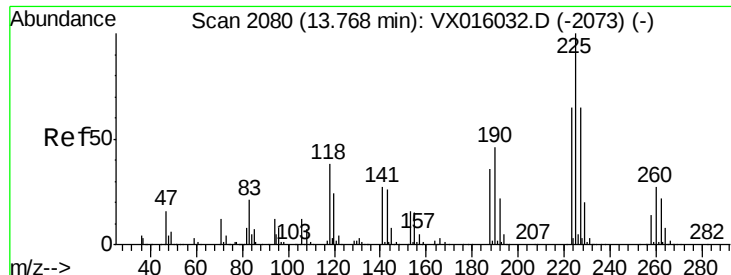


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#94

Hexachlorobutadiene

Concen: 0.897 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016301.D

Acq: 18 May 2020 16:10

Instrument :

MSVOA_X

ClientSampleId :

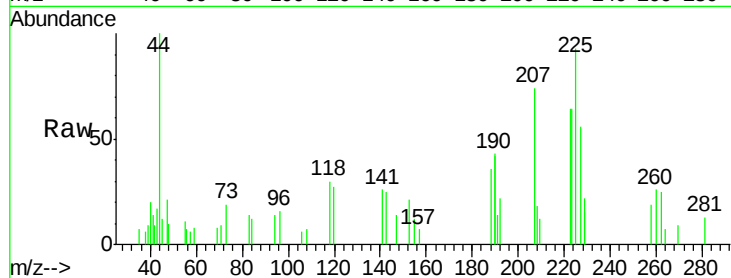
Tot Ion:225 Resp: 977

Ion Ratio Lower Upper

225 100

223 87.3 32.3 96.9

227 66.1 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

