

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX016983.D
 Acq On : 26 Jun 2020 15:07
 Operator : JC/SP
 Sample : L3097-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 04:23:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 08:34:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	215278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	388643	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	391104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	196698	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	176433	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	
35) Dibromofluoromethane	5.47	113	130152	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
50) Toluene-d8	8.70	98	488669	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
62) 4-Bromofluorobenzene	11.12	95	201631	55.42	ug/l	0.00
Spiked Amount			Recovery	=	110.84%	

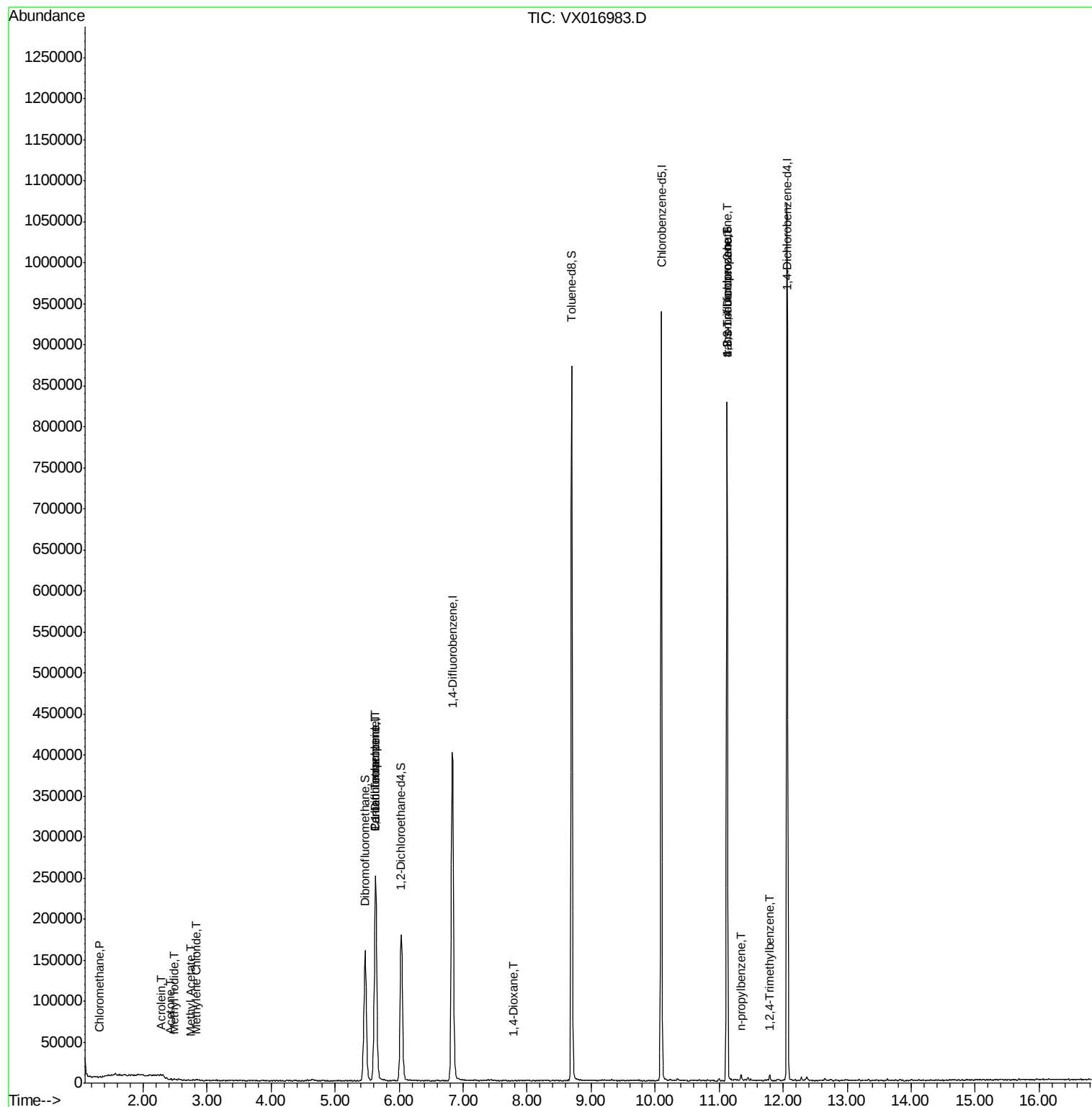
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	571	0.216	ug/l #	39
5) Bromomethane	1.61	94	139	Below Cal	#	56
10) Methyl Iodide	2.50	142	170	2.838	ug/l #	79
13) Acrolein	2.27	56	160	0.352	ug/l #	1
16) Acetone	2.42	43	922	0.726	ug/l #	77
18) Methyl Acetate	2.75	43	706	0.228	ug/l #	83
20) Methylene Chloride	2.84	84	639	0.221	ug/l	88
36) 1,1-Dichloropropene	5.62	75	19306	5.017	ug/l #	51
38) Carbon Tetrachloride	5.64	117	23902	5.869	ug/l #	15
49) 1,4-Dioxane	7.78	88	27	0.400	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	112166	27.173	ug/l #	36
78) n-propylbenzene	11.34	91	3593	0.225	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.12	75	112166	68.987	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.79	105	2599	0.228	ug/l	94

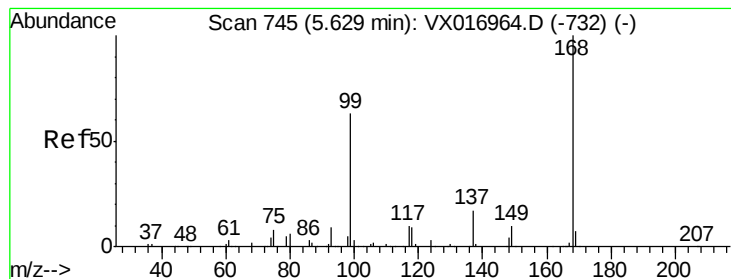
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016983.D

Acq: 26 Jun 2020 15:07

Instrument :

MSVOA_X

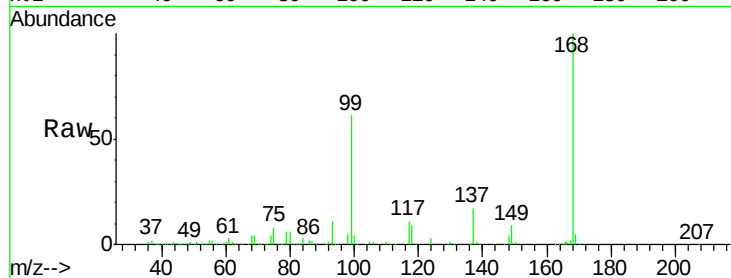
ClientSampled :

Tot Ion:168 Resp: 215278

Ion Ratio Lower Upper

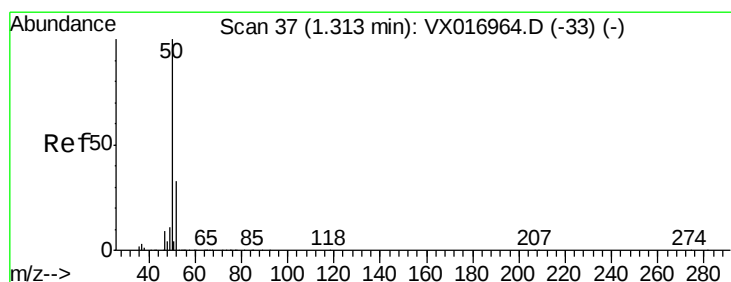
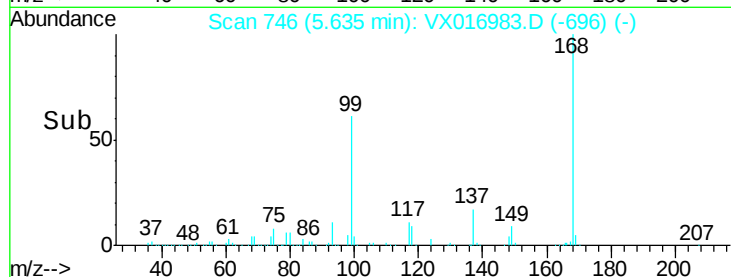
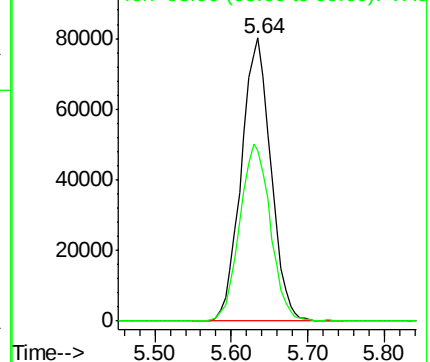
168 100

99 60.5 50.2 75.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.216 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016983.D

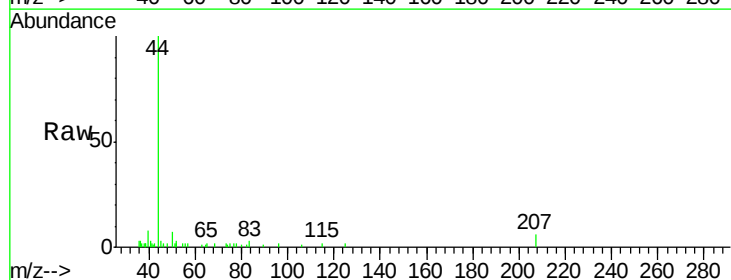
Acq: 26 Jun 2020 15:07

Tgt Ion: 50 Resp: 571

Ion Ratio Lower Upper

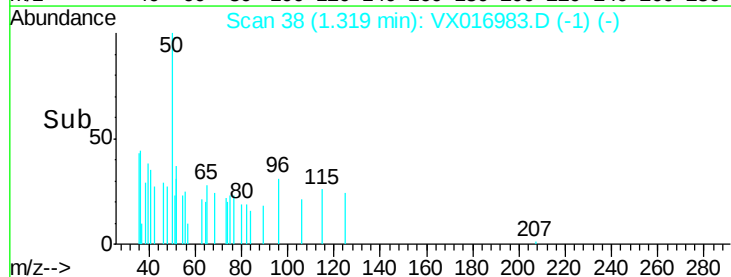
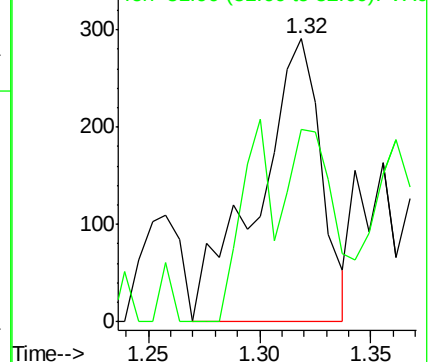
50 100

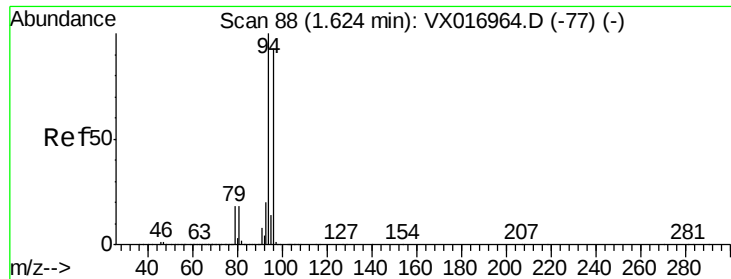
52 68.0 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 86

Delta R.T. -0.01 min

Lab File: VX016983.D

Acq: 26 Jun 2020 15:07

Instrument :

MSVOA_X

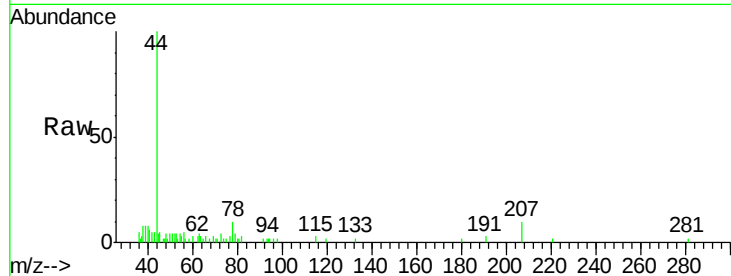
ClientSampleId :

Tot Ion: 94 Resp: 139

Ion Ratio Lower Upper

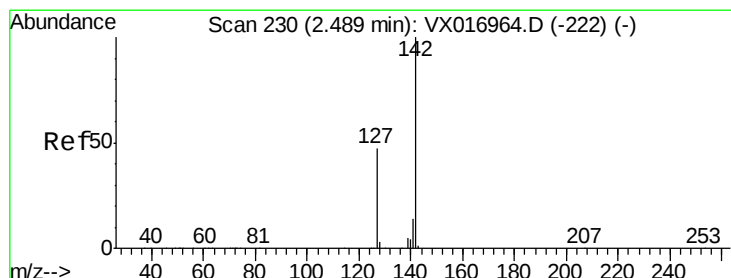
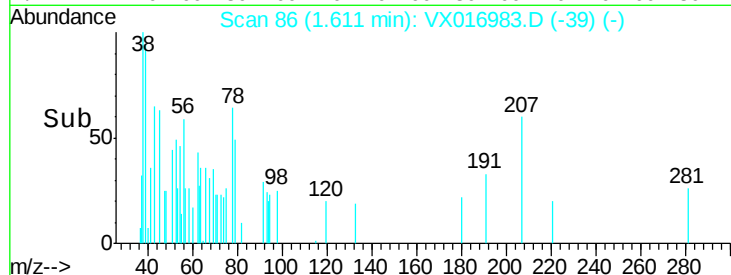
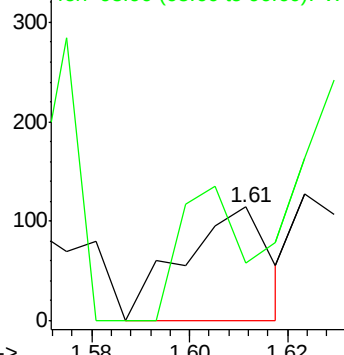
94 100

96 50.9 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 2.838 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016983.D

Acq: 26 Jun 2020 15:07

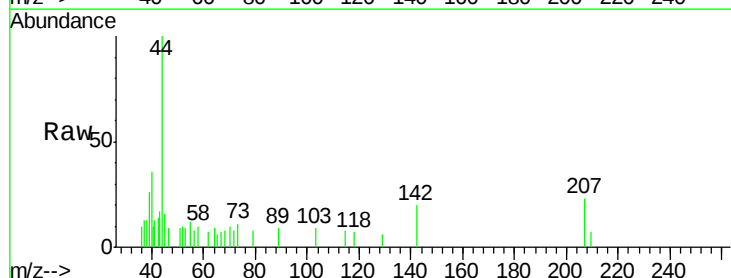
Tgt Ion: 142 Resp: 170

Ion Ratio Lower Upper

142 100

127 35.3 37.4 56.0#

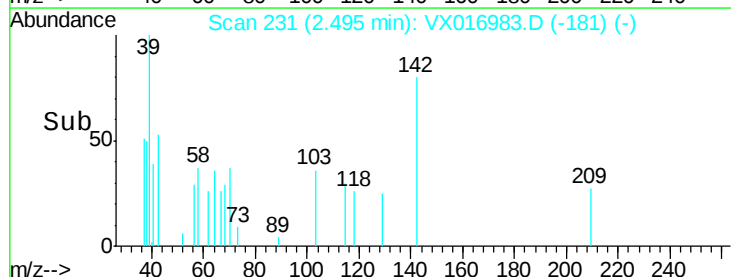
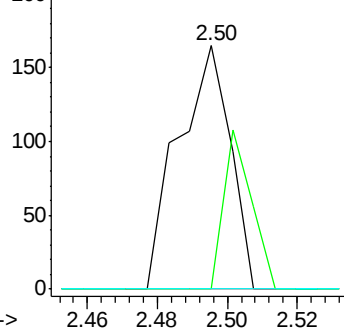
141 0.0 11.7 17.5#

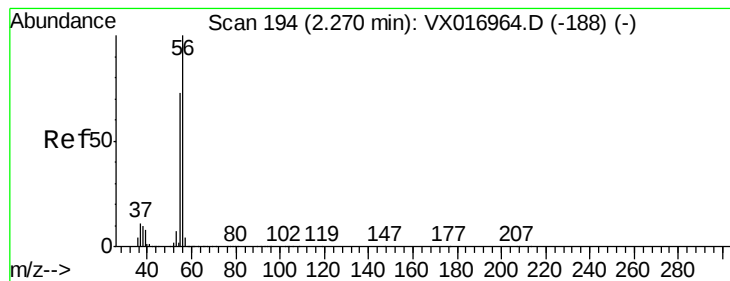


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.352 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016983.D

Acq: 26 Jun 2020 15:07

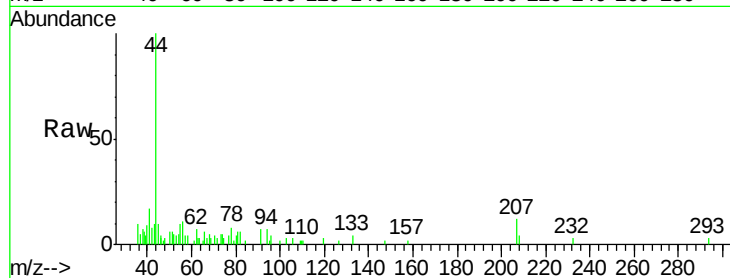
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 160

Ion Ratio Lower Upper

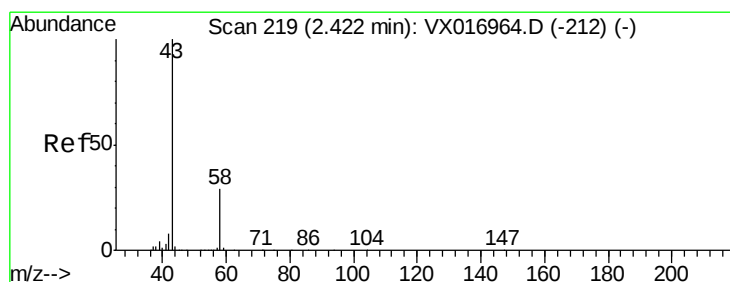
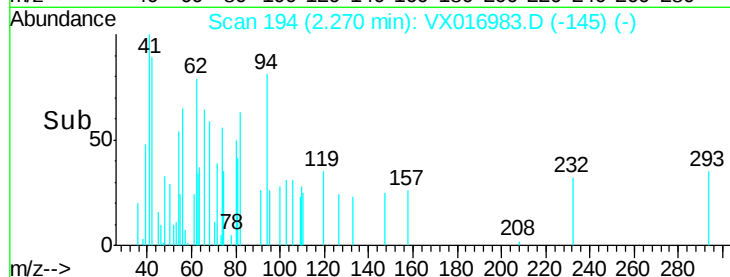
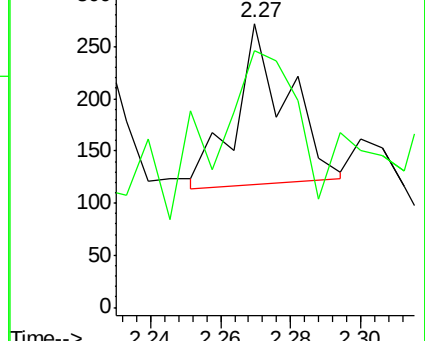
56 100

55 160.6 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.726 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016983.D

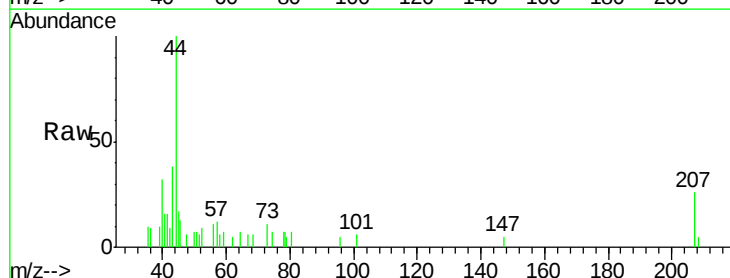
Acq: 26 Jun 2020 15:07

Tgt Ion: 43 Resp: 922

Ion Ratio Lower Upper

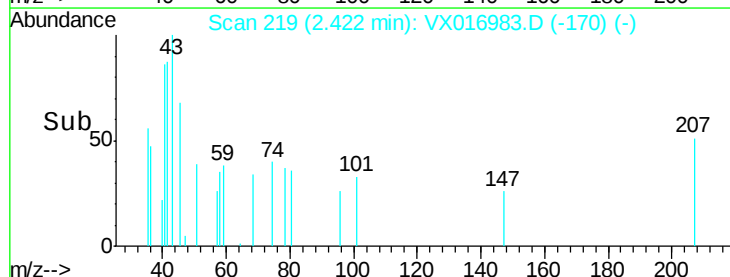
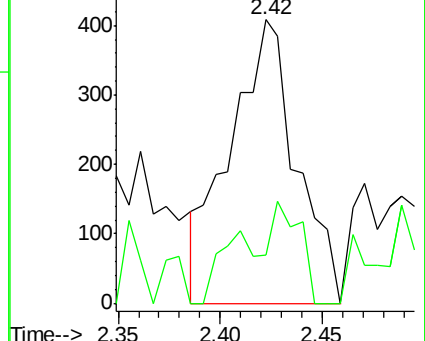
43 100

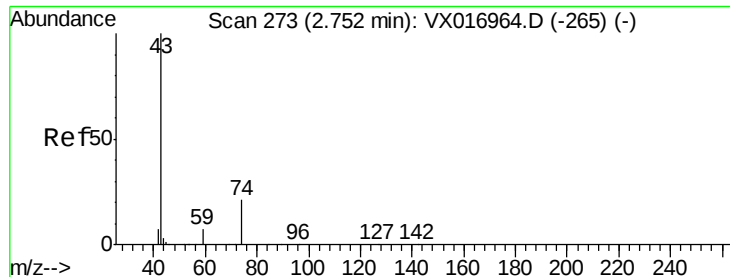
58 17.2 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

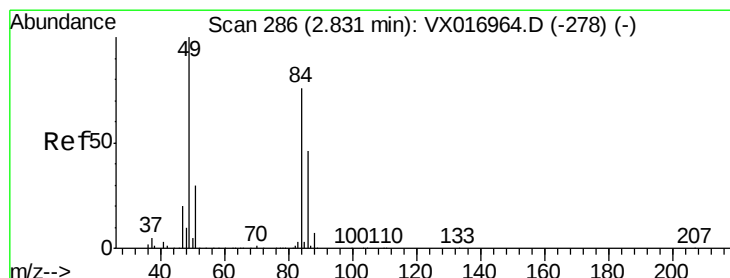
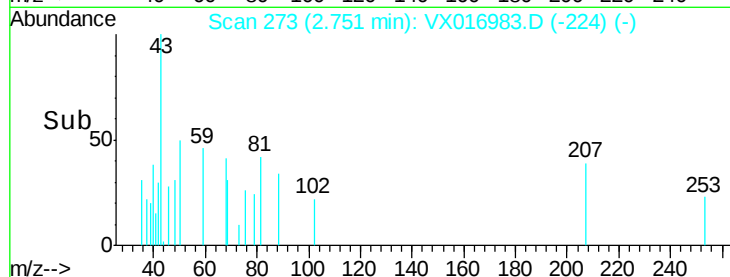
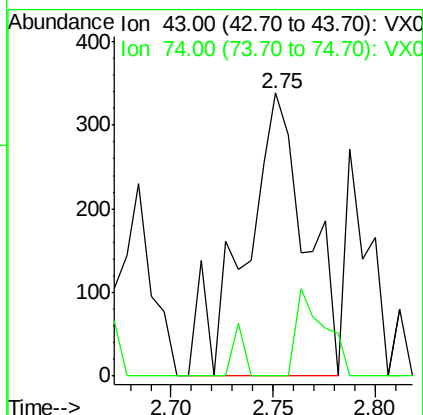
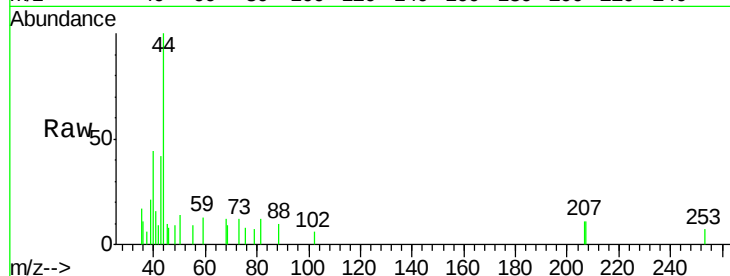




#18
Methvl Acetate
Concen: 0.228 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX016983.D
Acq: 26 Jun 2020 15:07

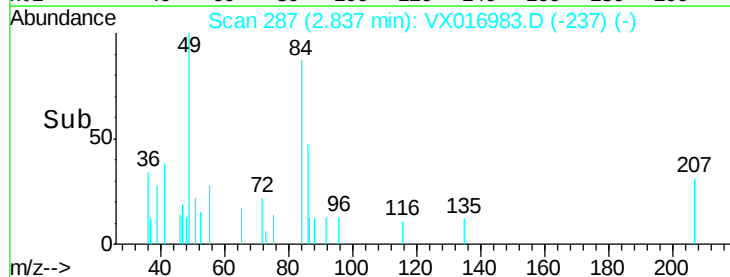
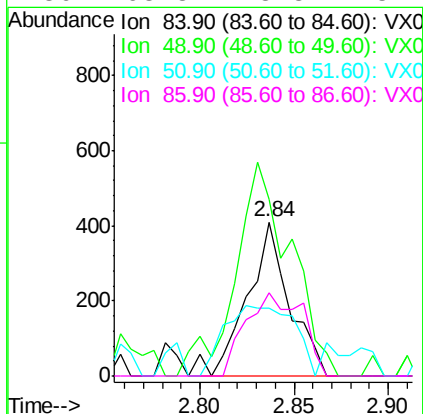
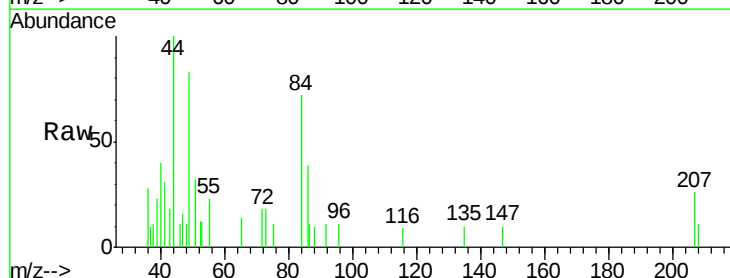
Instrument :
MSVOA_X
ClientSampleId :

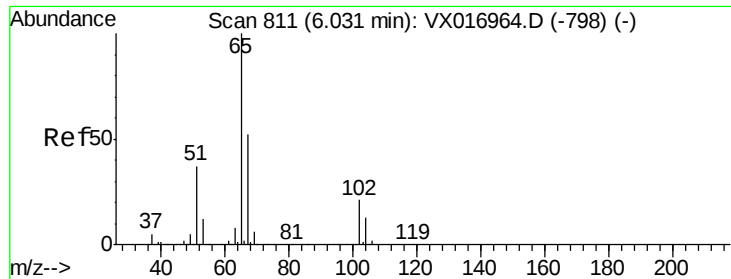
Tot Ion: 43 Resp: 706
Ion Ratio Lower Upper
43 100
74 14.6 18.3 27.5#



#20
Methylene Chloride
Concen: 0.221 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX016983.D
Acq: 26 Jun 2020 15:07

Tgt Ion: 84 Resp: 639
Ion Ratio Lower Upper
84 100
49 115.1 105.6 158.4
51 44.4 31.2 46.8
86 68.8 48.8 73.2





#33

1,2-Dichloroethane-d4

Concen: 54.271 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016983.D

Acq: 26 Jun 2020 15:07

Instrument :

MSVOA_X

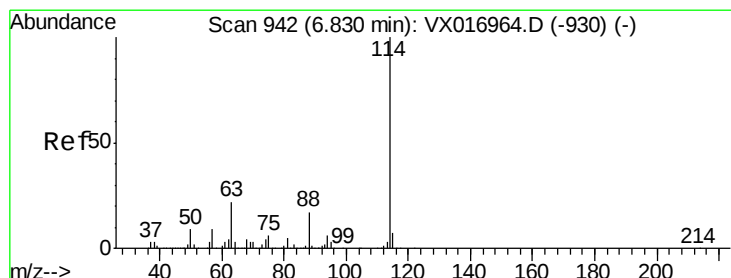
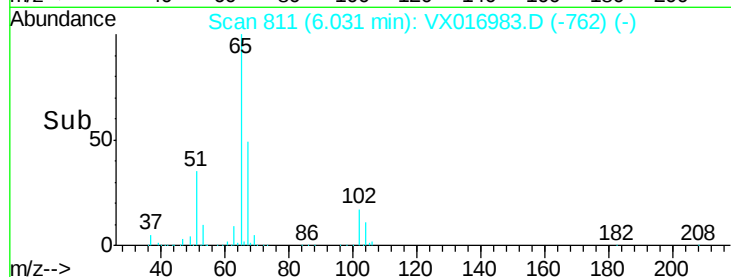
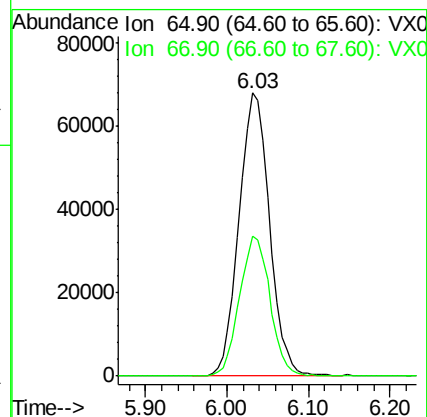
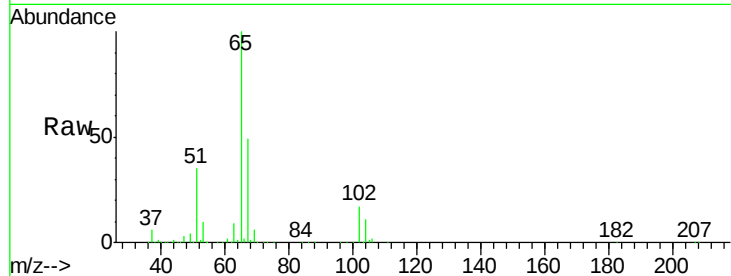
ClientSampleId :

Tot Ion: 65 Resp: 176433

Ion Ratio Lower Upper

65 100

67 49.5 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016983.D

Acq: 26 Jun 2020 15:07

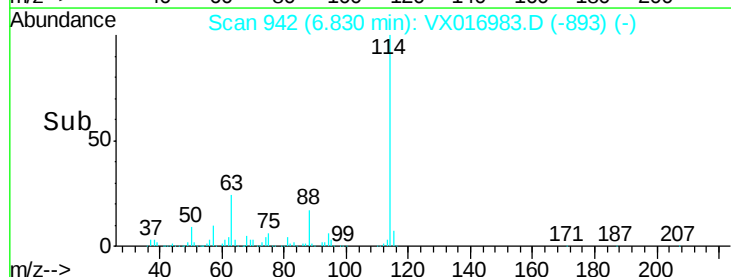
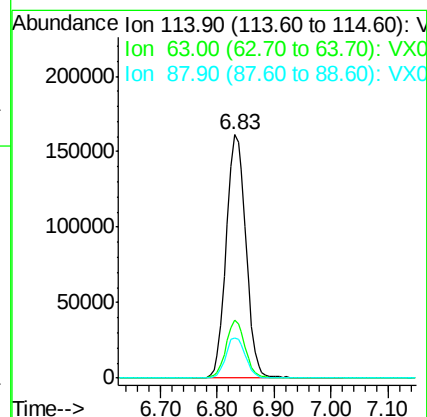
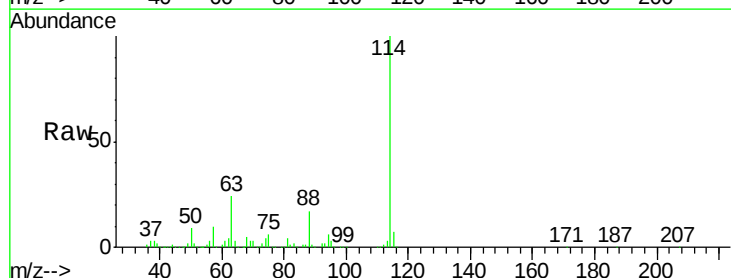
Tgt Ion: 114 Resp: 388643

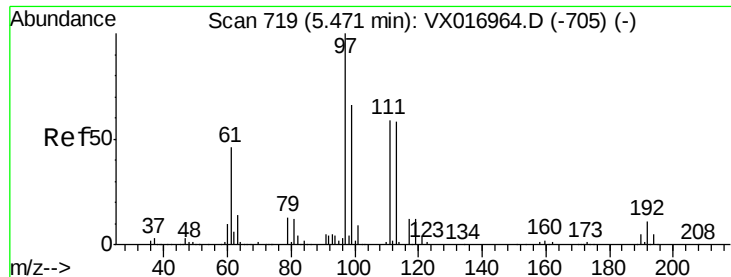
Ion Ratio Lower Upper

114 100

63 24.0 0.0 44.4

88 16.7 0.0 33.2

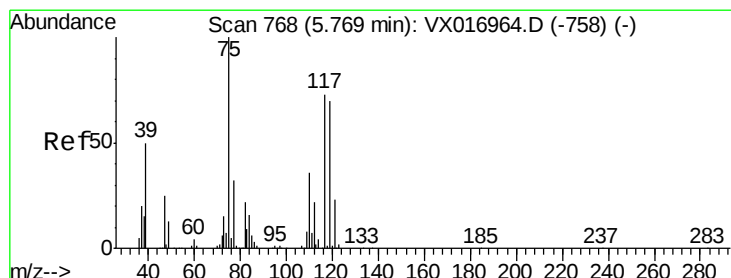
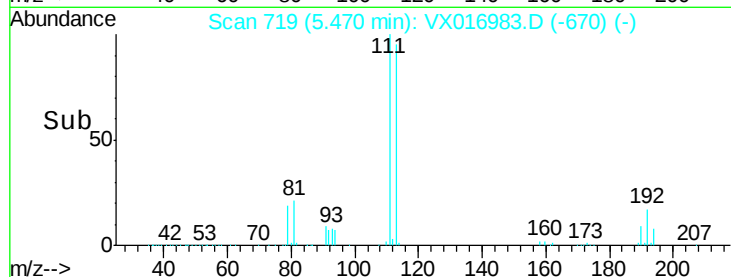
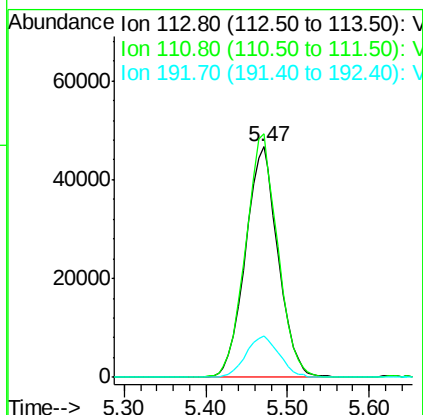
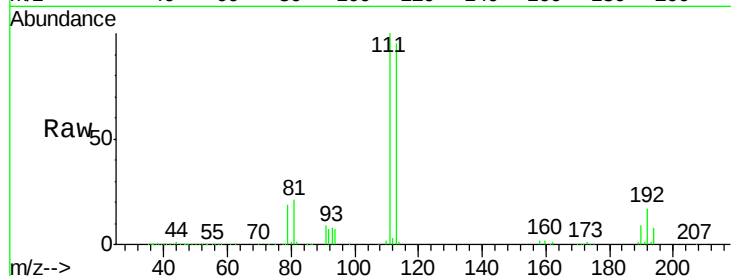




#35
Dibromofluoromethane
Concen: 50.704 ug/l
RT: 5.47 min Scan# 719
Delta R.T. -0.00 min
Lab File: VX016983.D
Acq: 26 Jun 2020 15:07

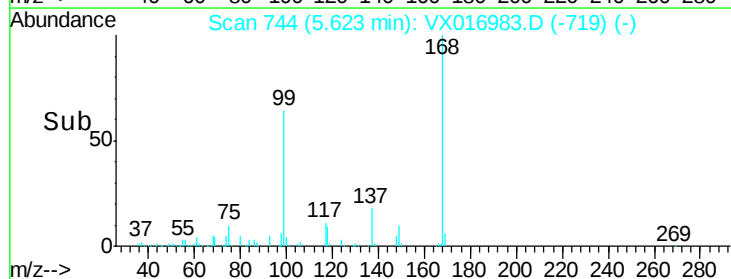
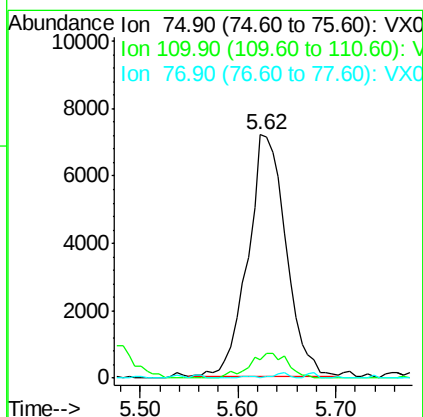
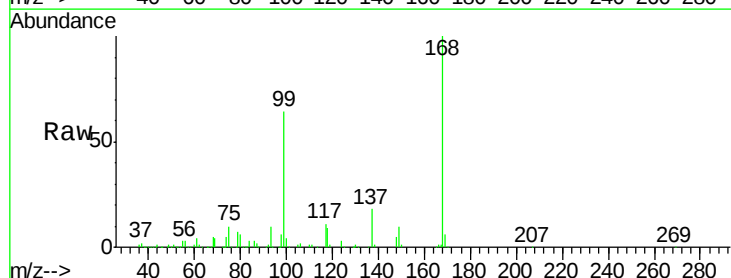
Instrument :
MSVOA_X
ClientSampleId :

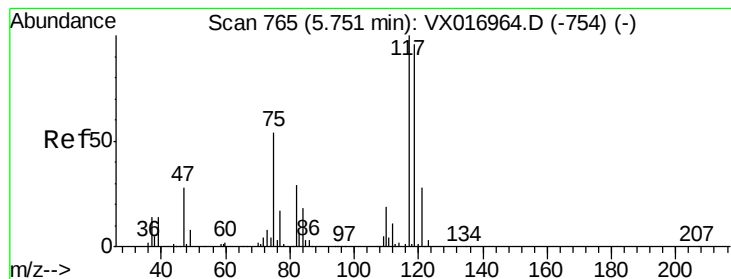
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	84.3	126.5
192	18.4	15.2	22.8



#36
1,1-Dichloropropene
Concen: 5.017 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.15 min
Lab File: VX016983.D
Acq: 26 Jun 2020 15:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.2	51.6#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 5.869 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016983.D

Acq: 26 Jun 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

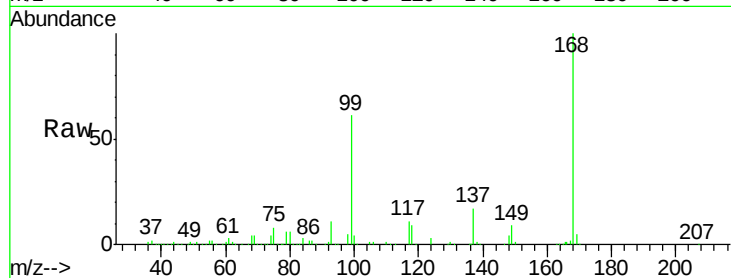
Tot Ion:117 Resp: 23902

Ion Ratio Lower Upper

117 100

119 4.3 76.6 114.8#

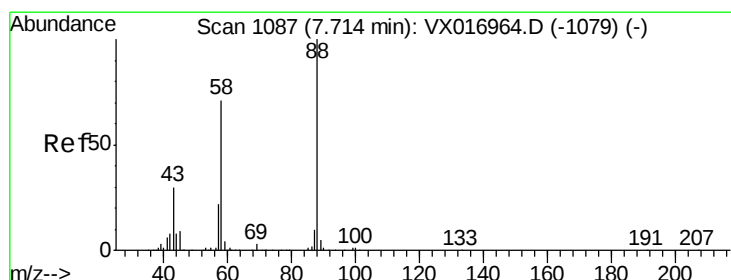
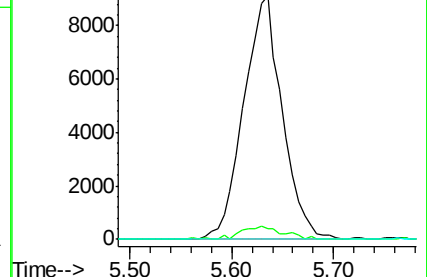
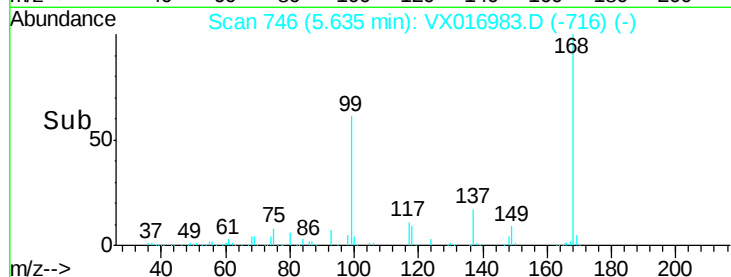
121 0.0 22.5 33.7#



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: 0.400 ug/l

RT: 7.78 min Scan# 1098

Delta R.T. 0.07 min

Lab File: VX016983.D

Acq: 26 Jun 2020 15:07

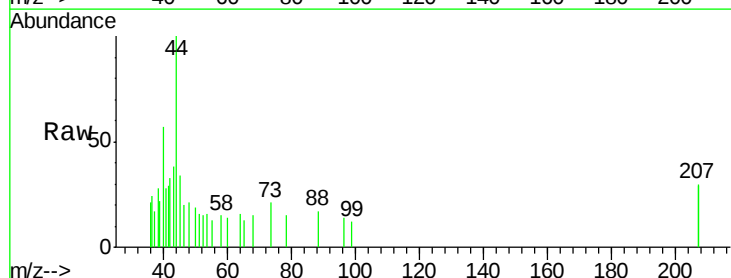
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 455.6 28.1 42.1#

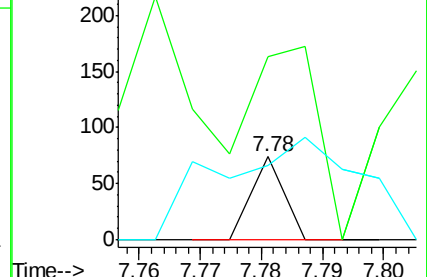
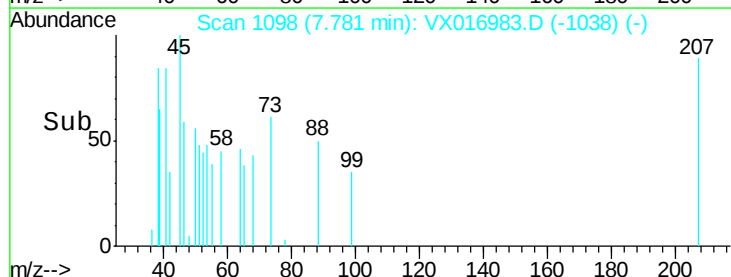
58 540.7 56.1 84.1#

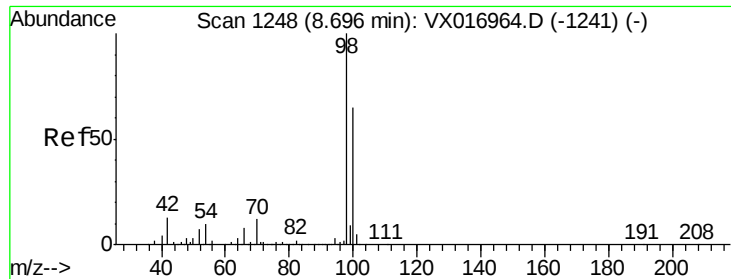


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.935 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016983.D

Acq: 26 Jun 2020 15:07

Instrument :

MSVOA_X

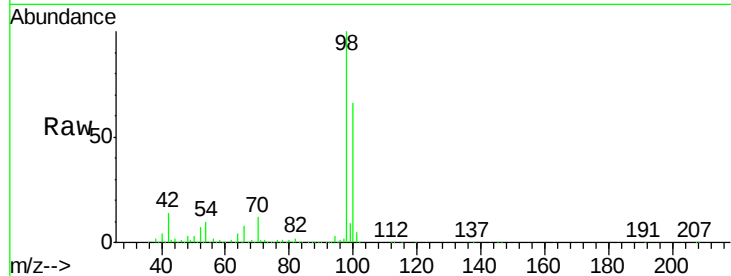
ClientSampleId :

Tot Ion: 98 Resp: 488669

Ion Ratio Lower Upper

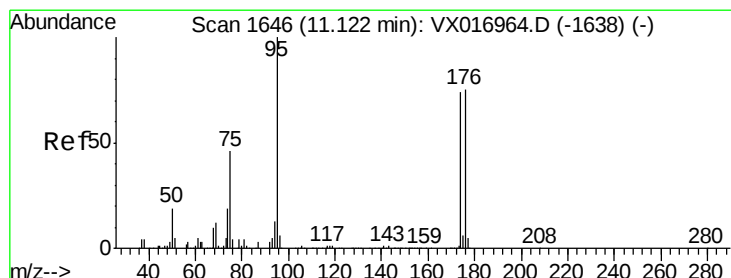
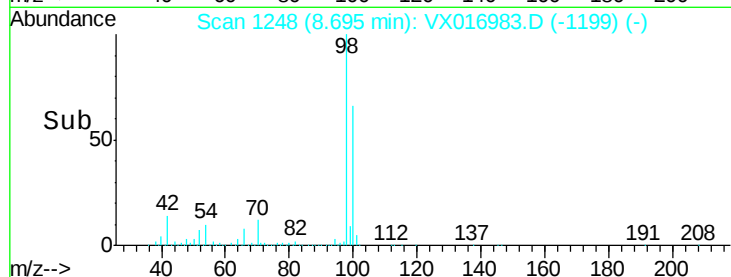
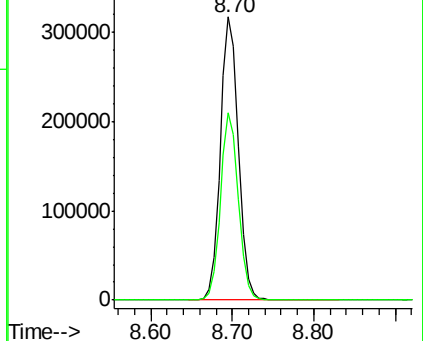
98 100

100 65.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 55.417 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016983.D

Acq: 26 Jun 2020 15:07

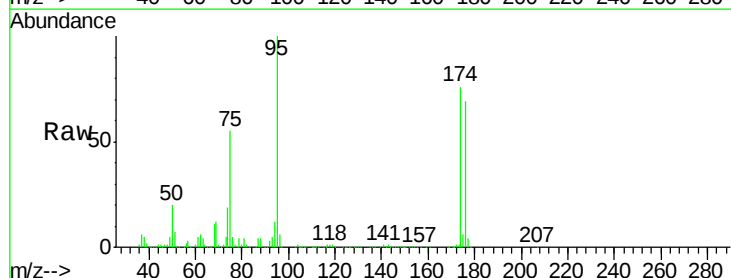
Tgt Ion: 95 Resp: 201631

Ion Ratio Lower Upper

95 100

174 73.9 0.0 149.6

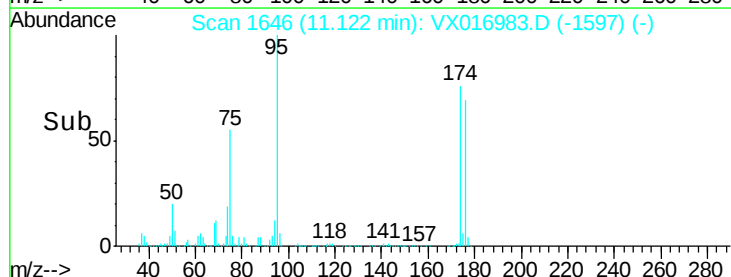
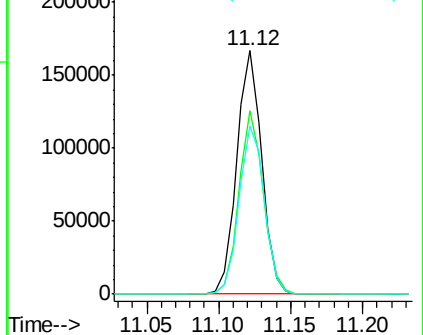
176 70.0 0.0 148.2

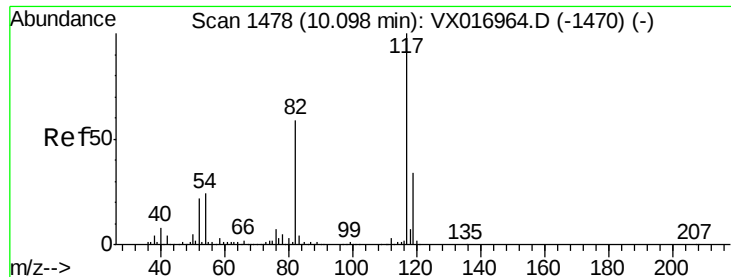


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

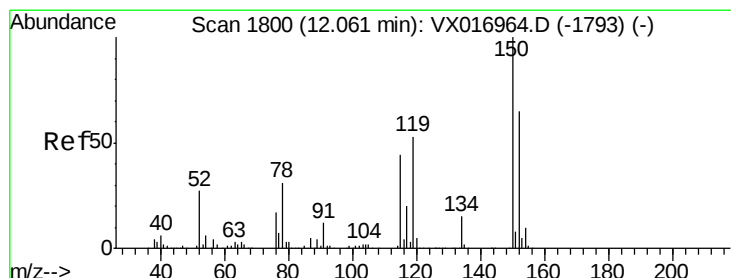
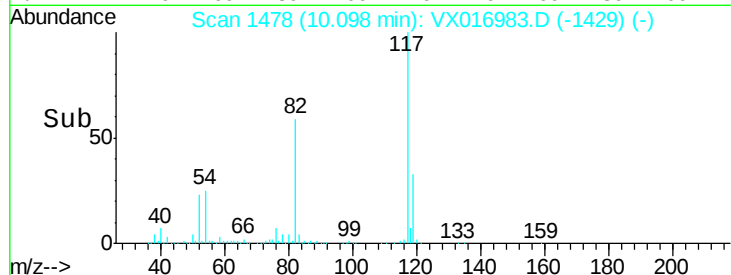
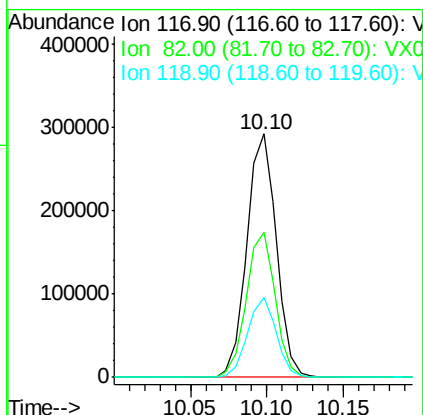
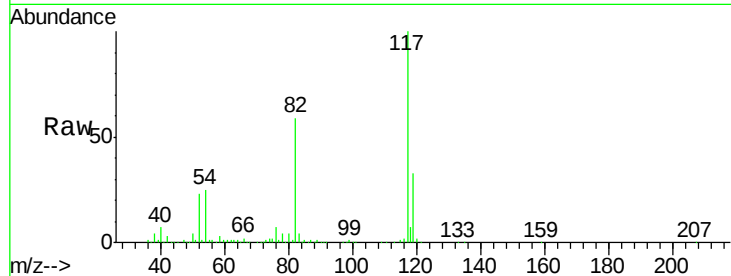




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016983.D
Acq: 26 Jun 2020 15:07

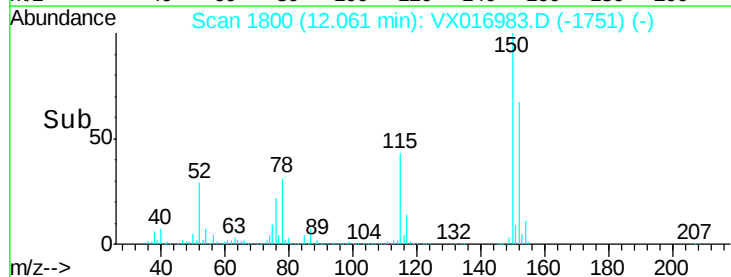
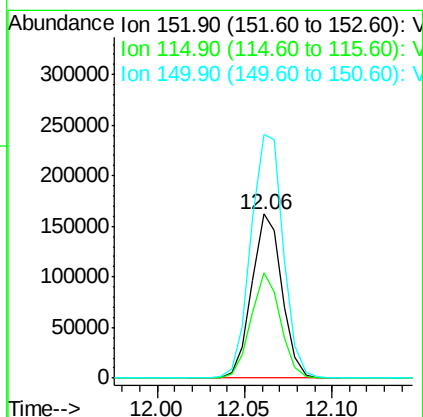
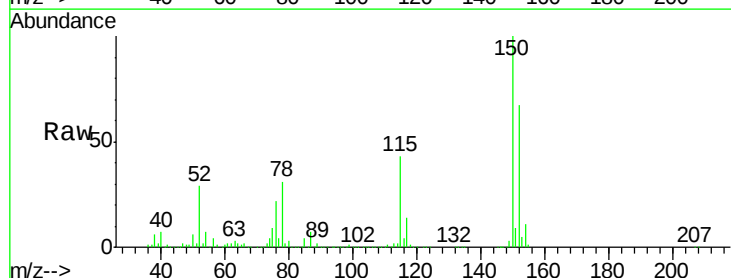
Instrument :
MSVOA_X
ClientSampleId :

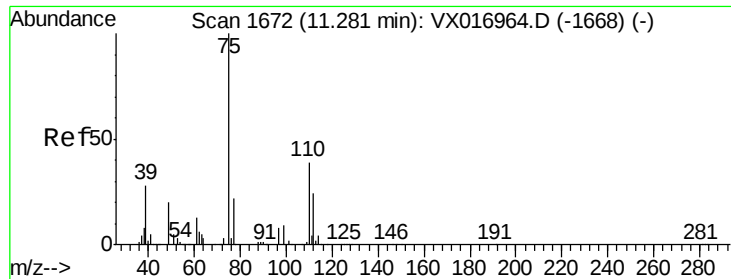
Tot Ion:117 Resp: 391104
Ion Ratio Lower Upper
117 100
82 59.3 46.8 70.2
119 33.0 27.3 40.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016983.D
Acq: 26 Jun 2020 15:07

Tgt Ion:152 Resp: 196698
Ion Ratio Lower Upper
152 100
115 62.5 42.8 128.4
150 158.4 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 27.173 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016983.D

Acq: 26 Jun 2020 15:07

Instrument :

MSVOA_X

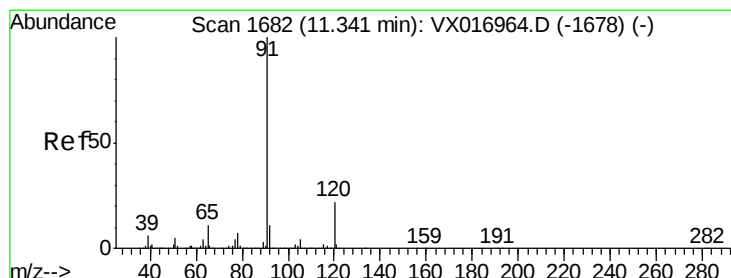
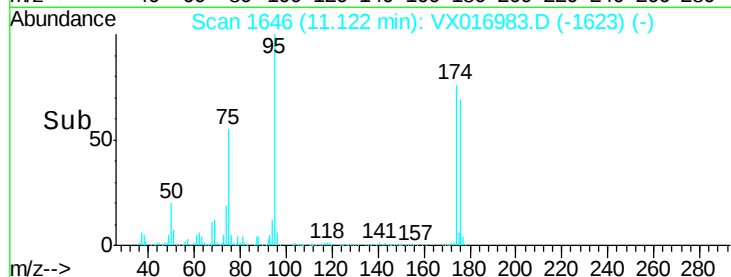
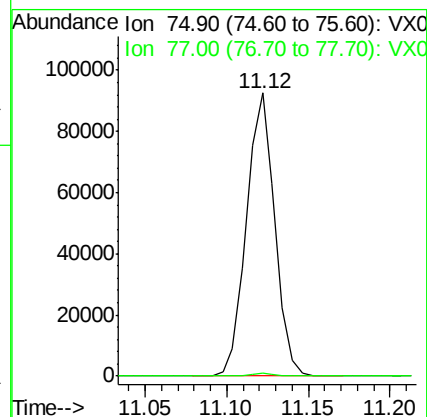
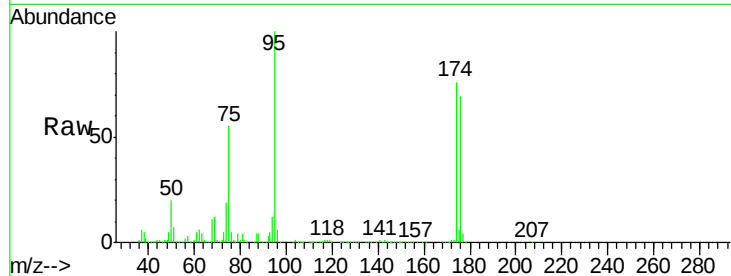
ClientSampleId :

Tot Ion: 75 Resp: 112166

Ion Ratio Lower Upper

75 100

77 1.1 20.3 61.0#



#78

n-propylbenzene

Concen: 0.225 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX016983.D

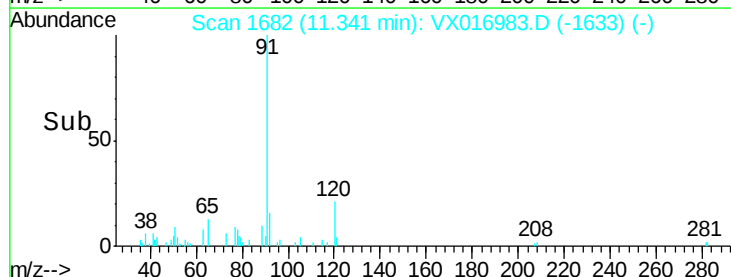
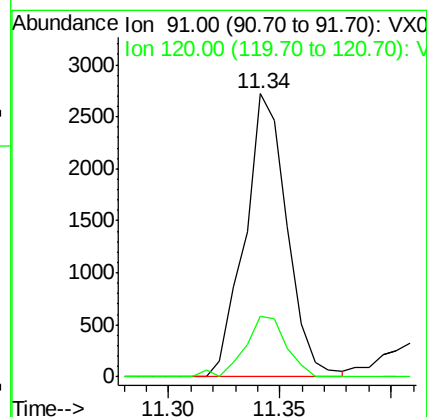
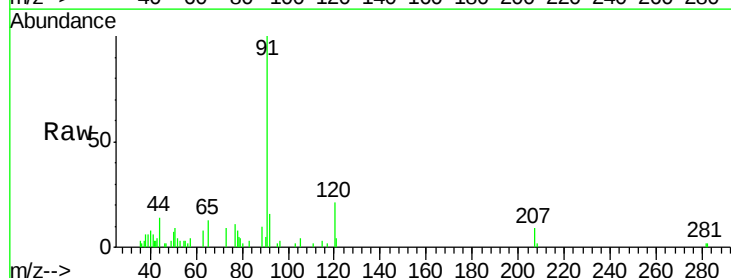
Acq: 26 Jun 2020 15:07

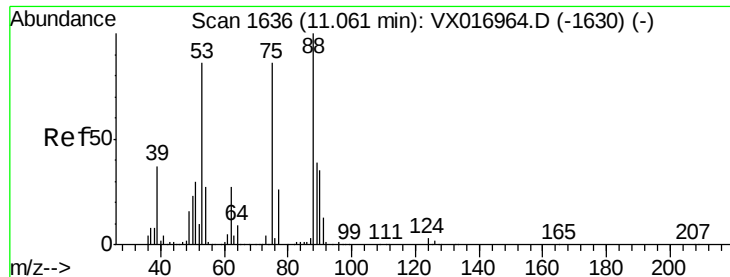
Tgt Ion: 91 Resp: 3593

Ion Ratio Lower Upper

91 100

120 21.0 11.3 33.8





#81

trans-1,4-Dichloro-2-butene

Concen: 68.987 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016983.D

Acq: 26 Jun 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

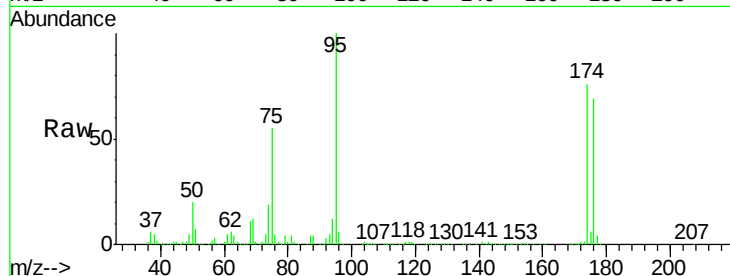
Tot Ion: 75 Resp: 112166

Ion Ratio Lower Upper

75 100

53 0.3 81.9 122.9#

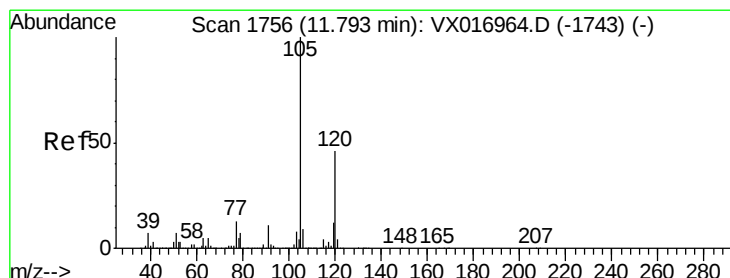
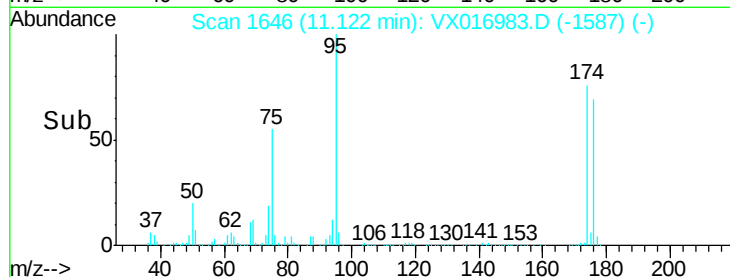
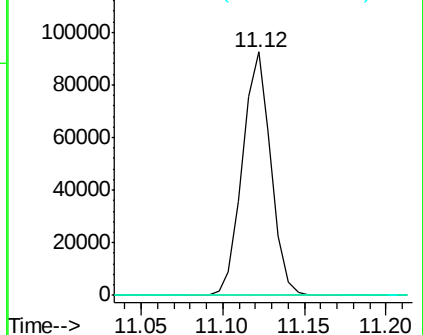
89 0.0 35.5 53.3#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.228 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016983.D

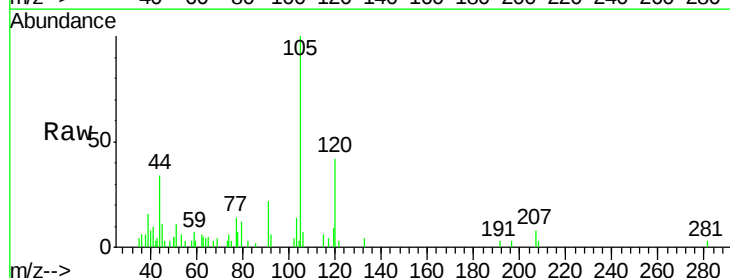
Acq: 26 Jun 2020 15:07

Tgt Ion: 105 Resp: 2599

Ion Ratio Lower Upper

105 100

120 41.0 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

