

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070220\
 Data File : VX017141.D
 Acq On : 02 Jul 2020 12:30
 Operator : JC/SP
 Sample : VX0702WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 03 00:47:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 26 09:03:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	44462	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	6.83	114	222453	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	209386	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	96480	27.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	92.93%
60) 4-Bromofluorobenzene	11.12	95	93575	26.80	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.33%
63) Toluene-d8	8.70	98	263161	28.51	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.03%

Target Compounds

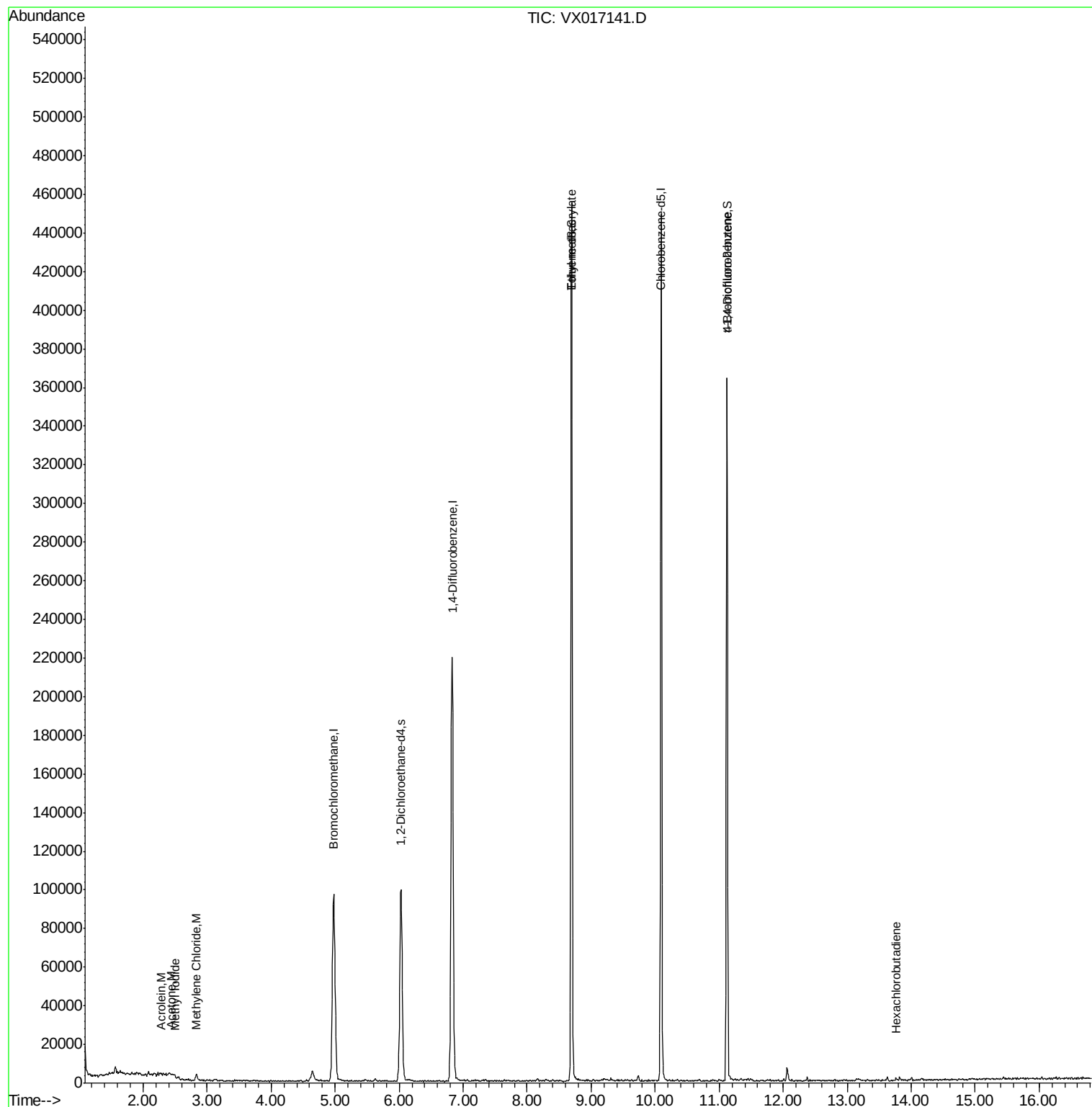
					Ovalue
11) Methyl Iodide	2.49	142	1246	0.367 ug/l #	83
13) Acrolein	2.28	56	213	0.420 ug/l	98
15) Acetone	2.43	58	162	0.412 ug/l #	1
18) Methylene Chloride	2.83	84	1508	0.492 ug/l	87
51) Ethyl methacrylate	8.70	69	1051	0.259 ug/l	94
77) t-1,4-Dichloro-2-butene	11.12	75	45805	30.702 ug/l #	12
90) Hexachlorobutadiene	13.77	225	290	0.214 ug/l	71

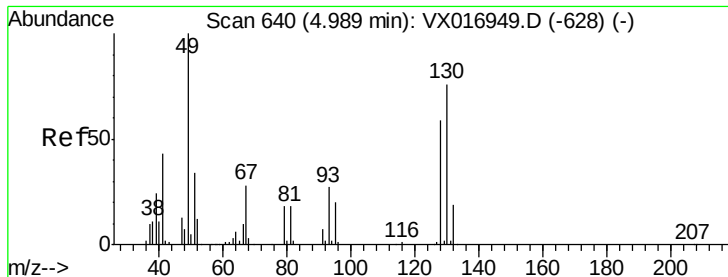
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jun 26 09:03:25 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 638

Delta R.T. -0.01 min

Lab File: VX017141.D

Acq: 02 Jul 2020 12:30

Instrument :
MSVOA_X
ClientSampleId :

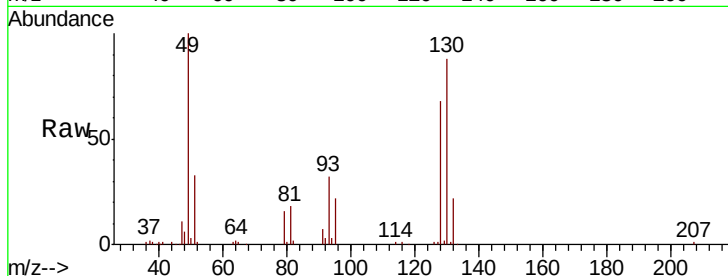
Tot Ion:128 Resp: 44462

Ion Ratio Lower Upper

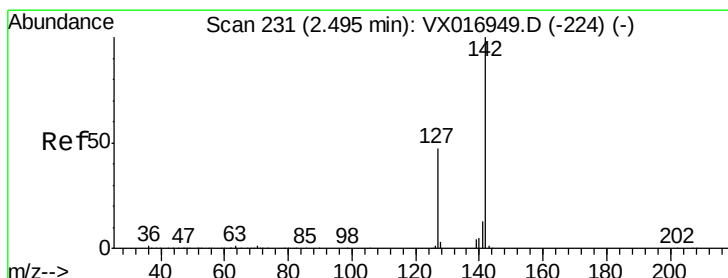
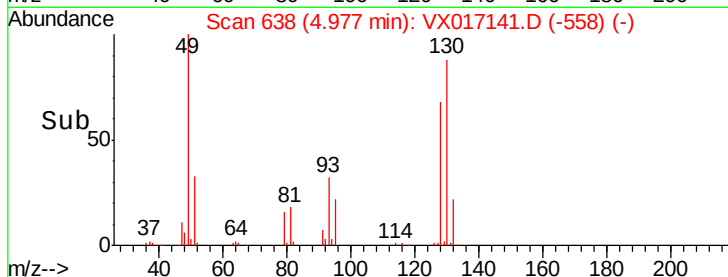
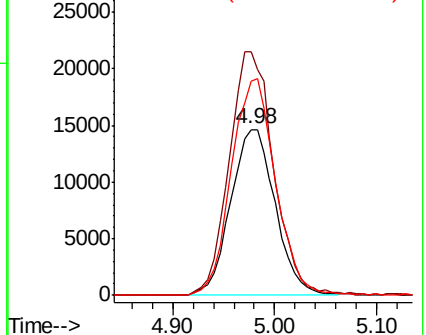
128 100

49 146.5 0.0 428.0

130 129.3 0.0 318.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V



#11

Methyl Iodide

Concen: 0.367 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX017141.D

Acq: 02 Jul 2020 12:30

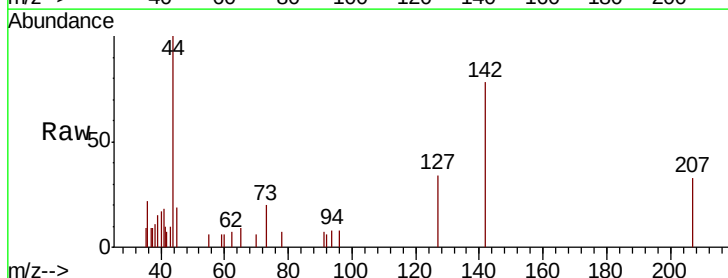
Tgt Ion:142 Resp: 1246

Ion Ratio Lower Upper

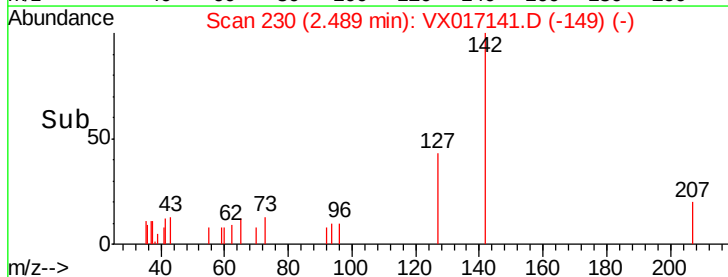
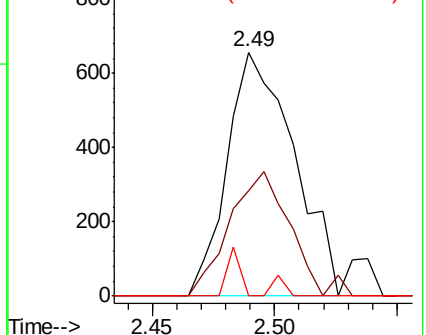
142 100

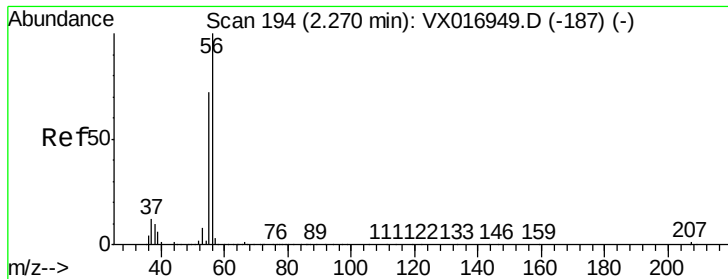
127 38.8 23.3 69.9

141 0.0 6.7 20.1#



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V





#13

Acrolein

Concen: 0.420 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX017141.D

Acq: 02 Jul 2020 12:30

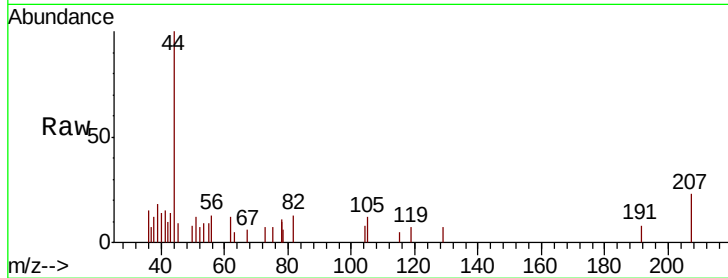
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 213

Ion Ratio Lower Upper

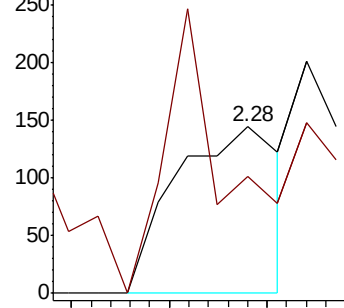
56 100

55 71.8 56.2 84.4

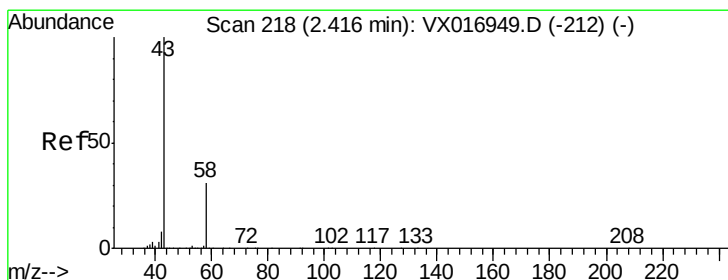
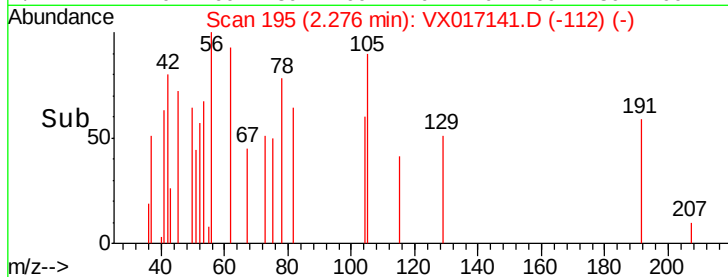


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acetone

Concen: 0.412 ug/l

RT: 2.43 min Scan# 221

Delta R.T. 0.02 min

Lab File: VX017141.D

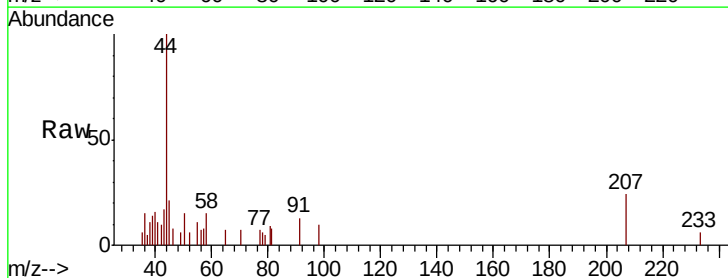
Acq: 02 Jul 2020 12:30

Tgt Ion: 58 Resp: 162

Ion Ratio Lower Upper

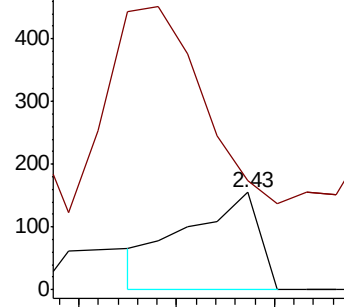
58 100

43 23.2 257.6 386.4#

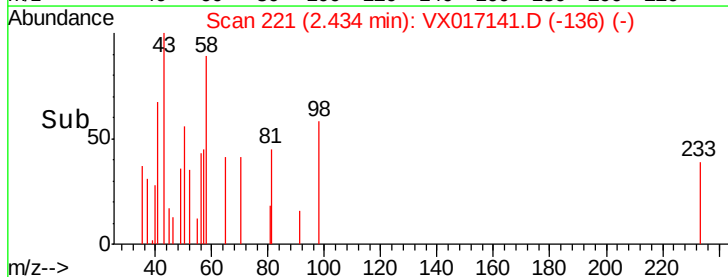


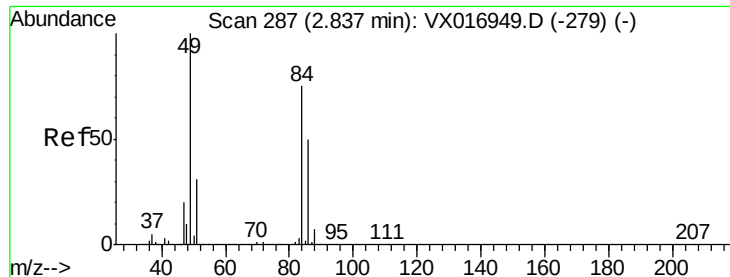
Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



Time-->

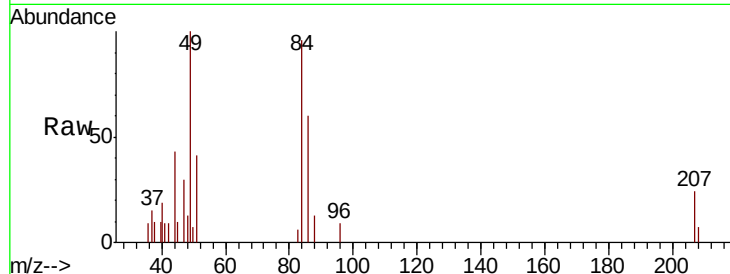




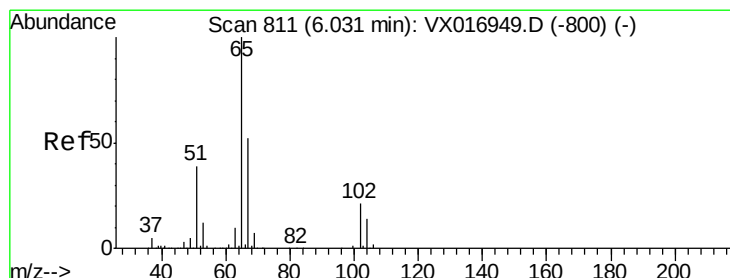
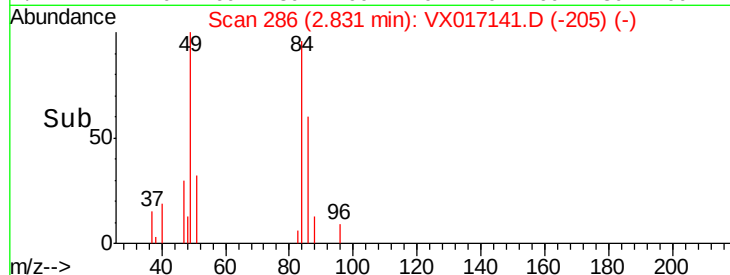
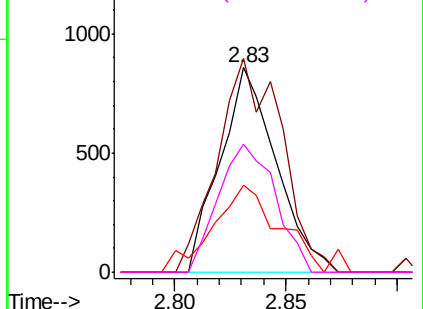
#18
Methylene Chloride
Concen: 0.492 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017141.D
Acq: 02 Jul 2020 12:30

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 84 Resp: 1508
Ion Ratio Lower Upper
84 100
49 111.3 106.6 159.8
51 35.3 32.7 49.1
86 62.6 53.0 79.6

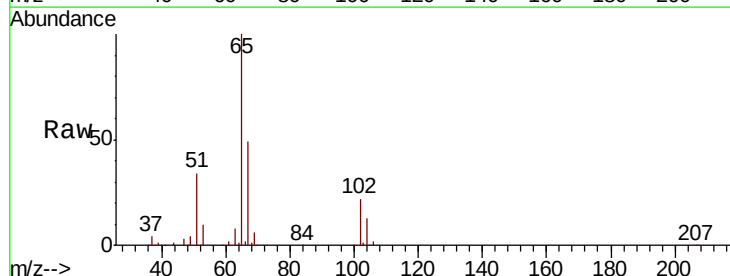


Abundance Ion 84.00 (83.70 to 84.70): VX0
Ion 49.00 (48.70 to 49.70): VX0
Ion 51.00 (50.70 to 51.70): VX0
Ion 86.00 (85.70 to 86.70): VX0

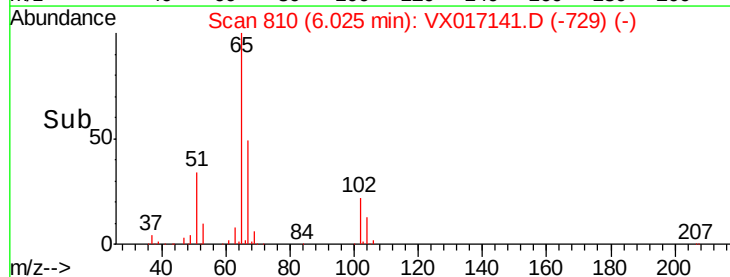
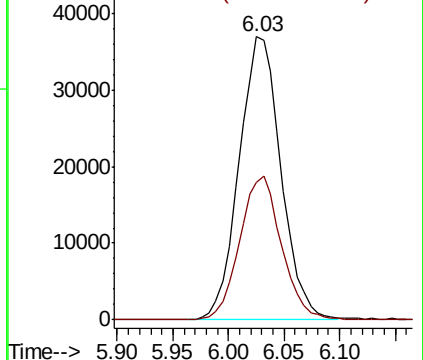


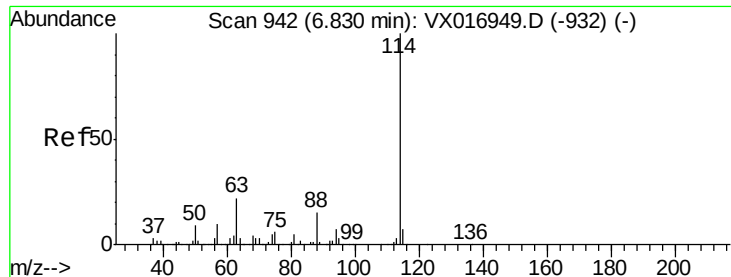
#27
1,2-Dichloroethane-d4
Concen: 27.879 ug/l
RT: 6.03 min Scan# 810
Delta R.T. -0.01 min
Lab File: VX017141.D
Acq: 02 Jul 2020 12:30

Tgt Ion: 65 Resp: 96480
Ion Ratio Lower Upper
65 100
67 50.7 41.5 62.3



Abundance Ion 65.00 (64.70 to 65.70): VX0
Ion 67.00 (66.70 to 67.70): VX0

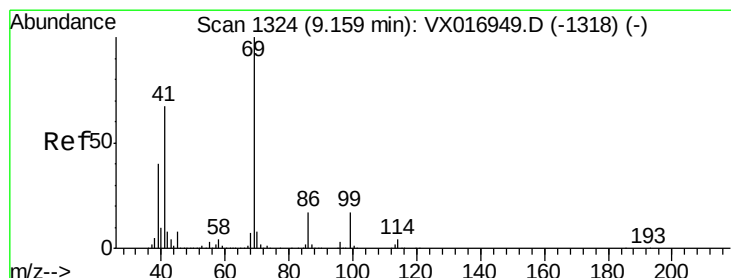
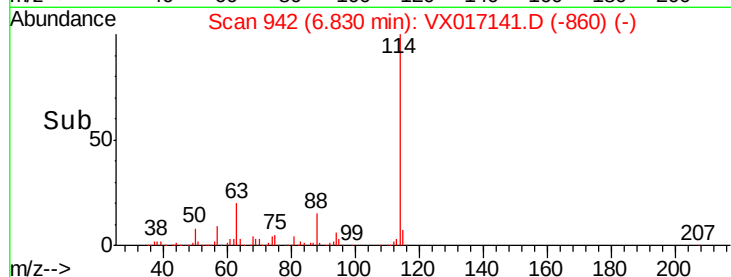
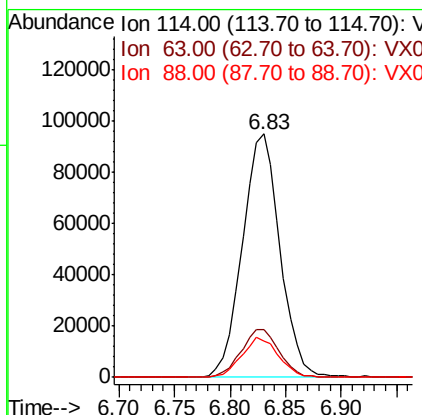
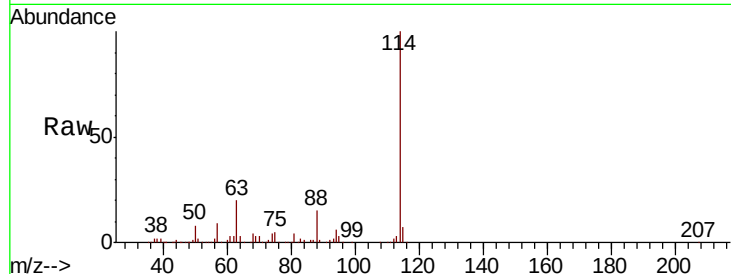




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017141.D
 Acq: 02 Jul 2020 12:30

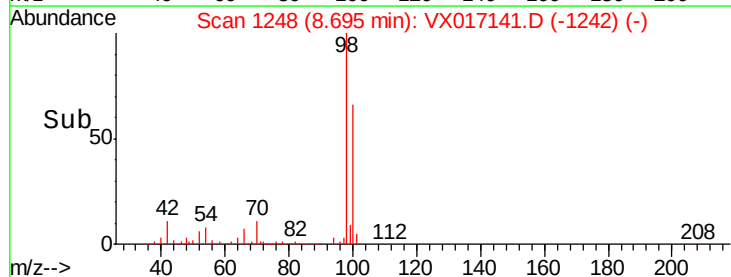
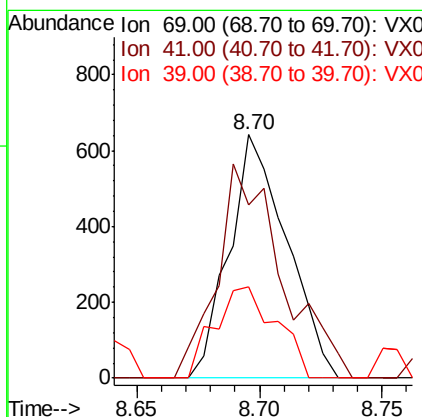
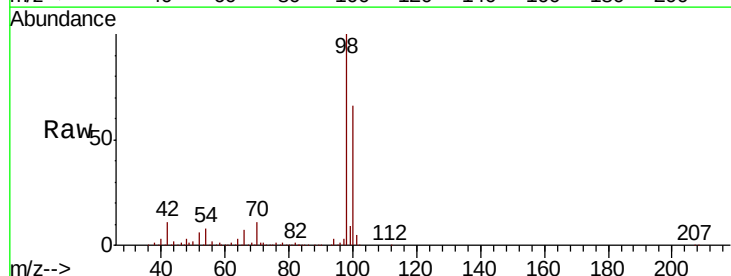
Instrument :
 MSVOA_X
 ClientSampleId :

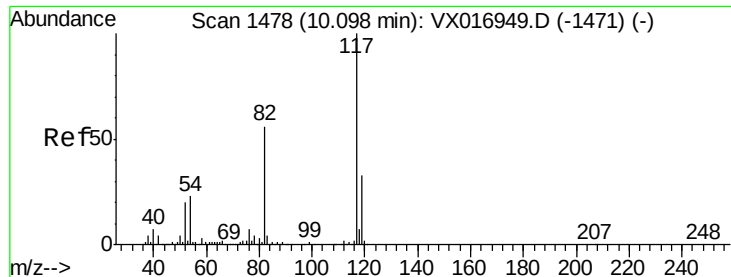
Tot Ion:114 Resp: 222453
 Ion Ratio Lower Upper
 114 100
 63 20.1 17.4 26.2
 88 16.0 13.0 19.6



#51
 Ethyl methacrylate
 Concen: 0.259 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. -0.46 min
 Lab File: VX017141.D
 Acq: 02 Jul 2020 12:30

Tgt Ion: 69 Resp: 1051
 Ion Ratio Lower Upper
 69 100
 41 61.2 33.7 101.1
 39 37.5 19.9 59.7

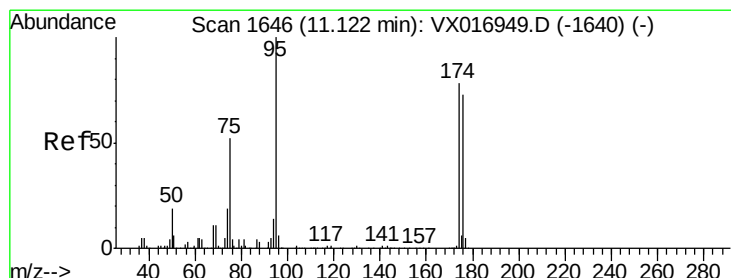
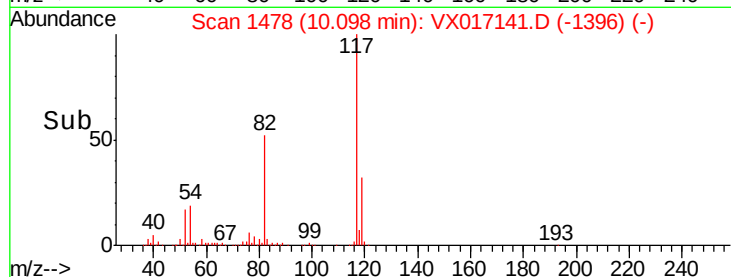
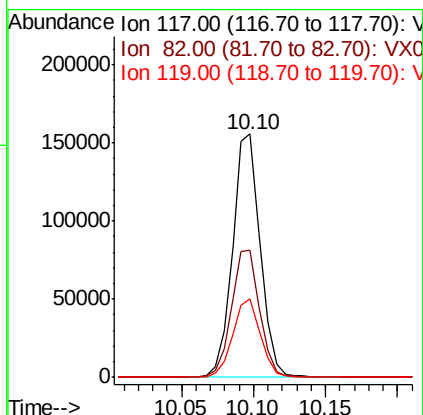
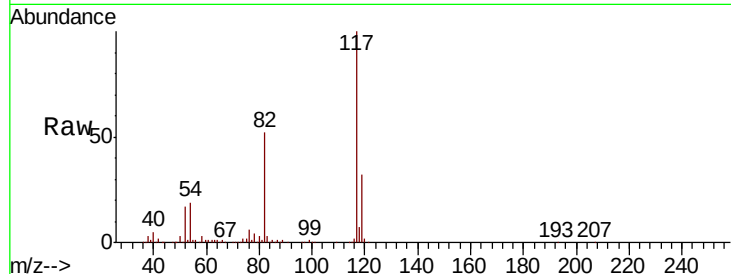




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017141.D
Acq: 02 Jul 2020 12:30

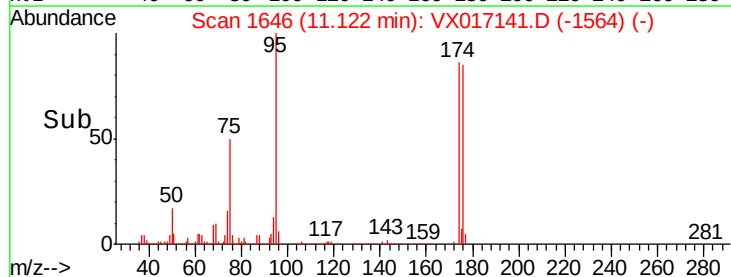
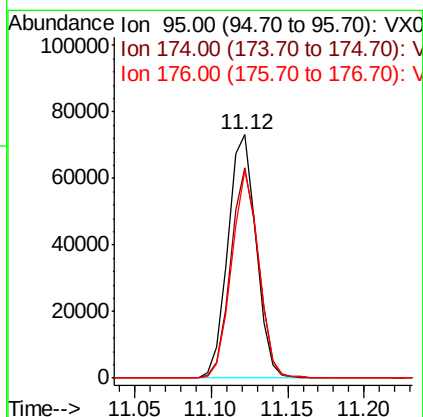
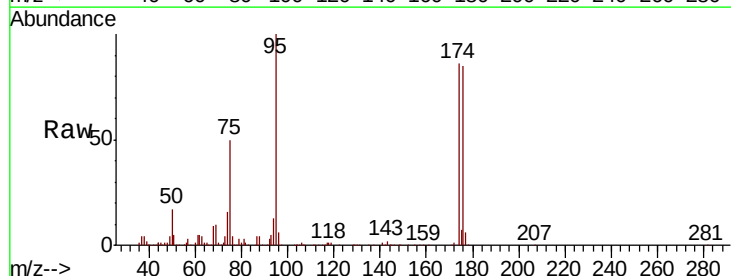
Instrument :
MSVOA_X
ClientSampleId :

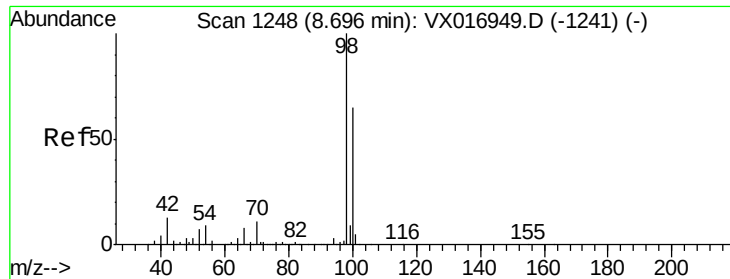
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.9	67.3
119	32.3	25.8	38.8



#60
4-Bromofluorobenzene
Concen: 26.797 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017141.D
Acq: 02 Jul 2020 12:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.7	62.2	93.4
176	82.0	58.9	88.3





#63

Toluene-d8

Concen: 28.512 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017141.D

Acq: 02 Jul 2020 12:30

Instrument :

MSVOA_X

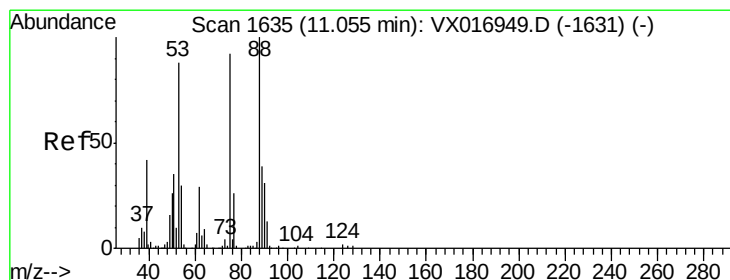
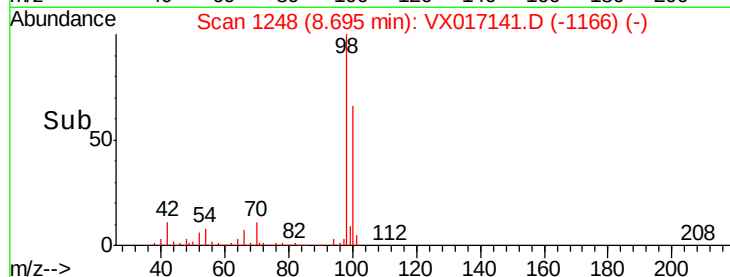
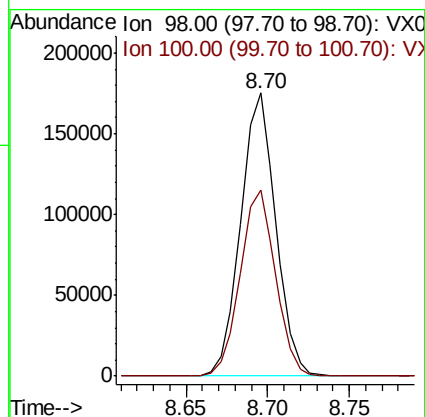
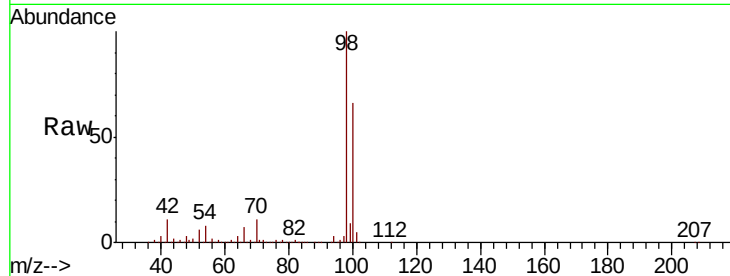
ClientSampleId :

Tot Ion: 98 Resp: 263161

Ion Ratio Lower Upper

98 100

100 66.2 52.3 78.5



#77

t-1,4-Dichloro-2-butene

Concen: 30.702 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017141.D

Acq: 02 Jul 2020 12:30

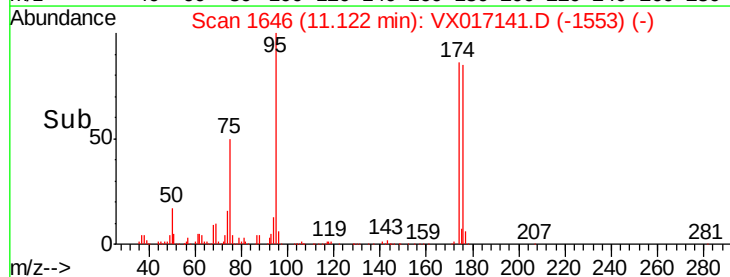
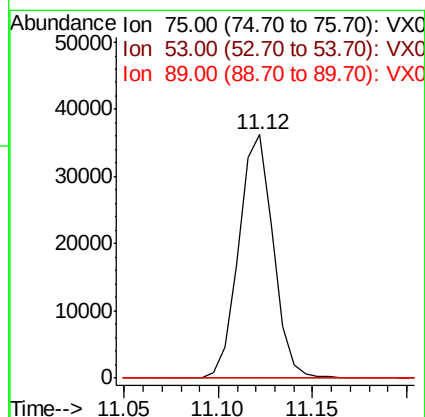
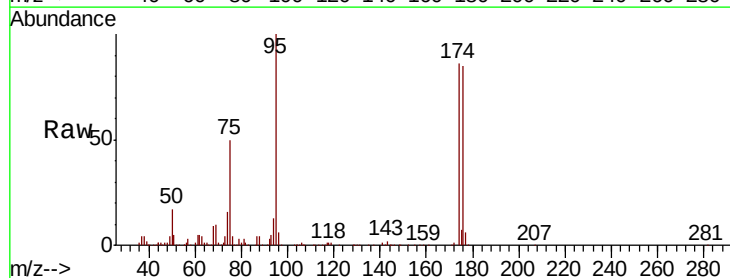
Tgt Ion: 75 Resp: 45805

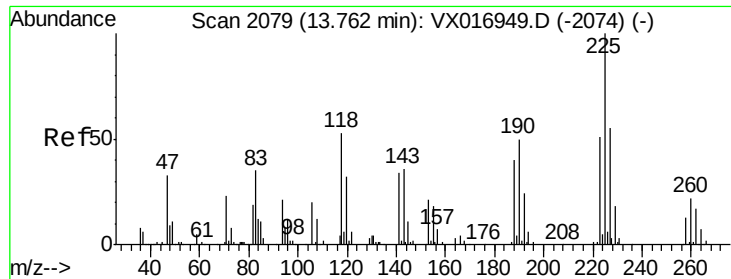
Ion Ratio Lower Upper

75 100

53 0.3 47.6 142.9#

89 0.2 21.1 63.4#





#90

Hexachlorobutadiene

Concen: 0.214 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX017141.D

Acq: 02 Jul 2020 12:30

Instrument :

MSVOA_X

ClientSampleId :

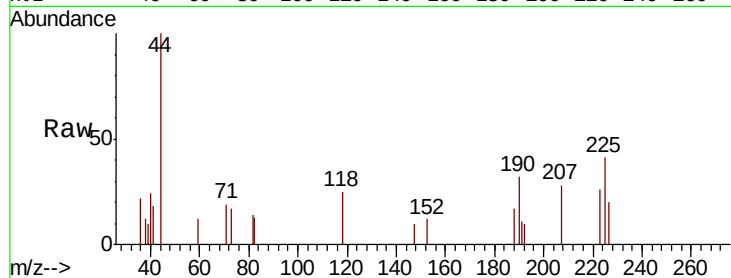
Tot Ion: 225 Resp: 290

Ion Ratio Lower Upper

225 100

223 51.4 0.0 125.0

227 28.6 0.0 124.0



Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

