

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050120\
 Data File : VX016004.D
 Acq On : 01 May 2020 11:55
 Operator : JC/SP
 Sample : VX0501WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 02 06:50:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	54055	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	302011	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	267403	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	125332	30.17	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.57%
60) 4-Bromofluorobenzene	11.12	95	125797	28.05	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.50%
63) Toluene-d8	8.70	98	354555	30.91	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.03%

Target Compounds

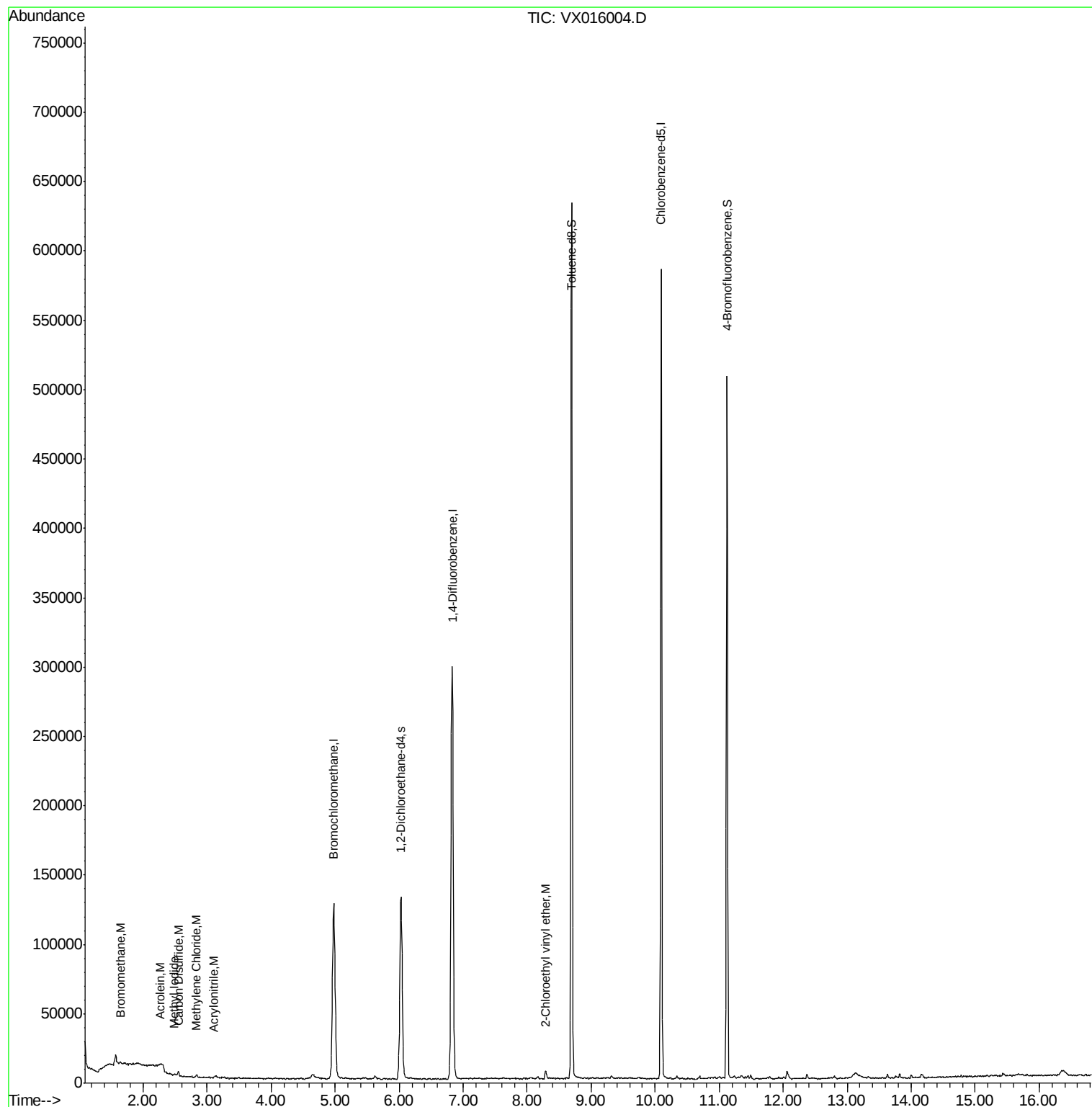
					Ovalue
5) Bromomethane	1.64	94	784	0.309 ug/l	81
11) Methyl Iodide	2.49	142	1231	0.292 ug/l	96
13) Acrolein	2.27	56	576	1.330 ug/l	98
14) Acrylonitrile	3.11	53	894	0.448 ug/l	70
16) Carbon Disulfide	2.55	76	3725	0.396 ug/l #	92
18) Methylene Chloride	2.83	84	755	0.218 ug/l #	89
55) 2-Chloroethyl vinyl ether	8.29	63	2279	0.728 ug/l	97

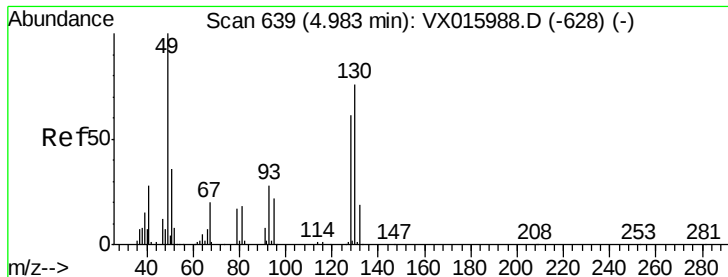
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 02 06:50:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 30 12:42:44 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: VX016004.D

Acq: 01 May 2020 11:55

Instrument :
MSVOA_X
ClientSampleId :

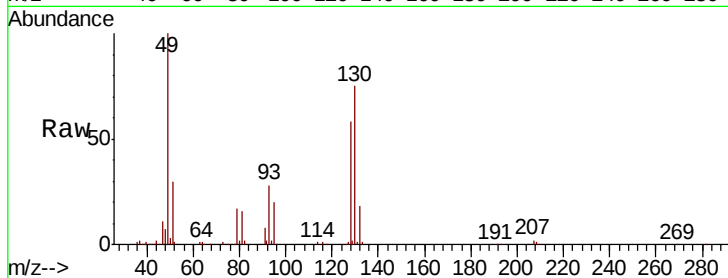
Tot Ion:128 Resp: 54055

Ion Ratio Lower Upper

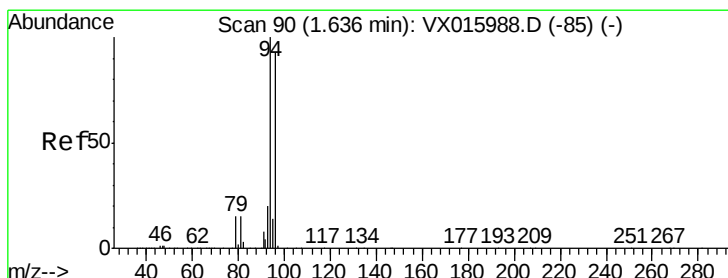
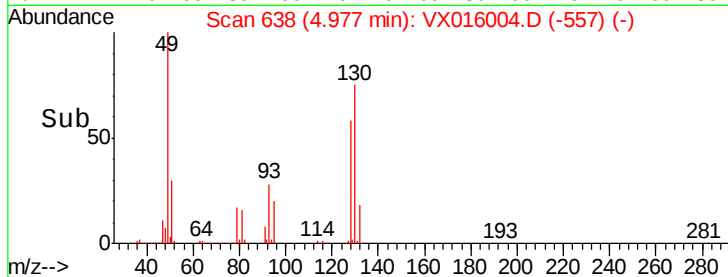
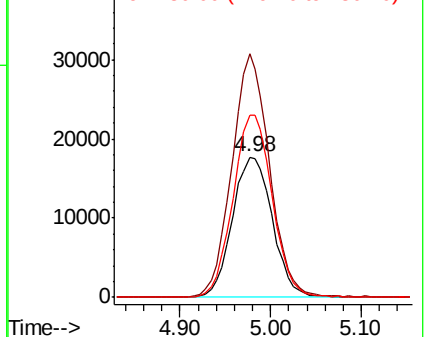
128 100

49 163.7 0.0 418.5

130 127.9 0.0 326.3



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



#5

Bromomethane

Concen: 0.309 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX016004.D

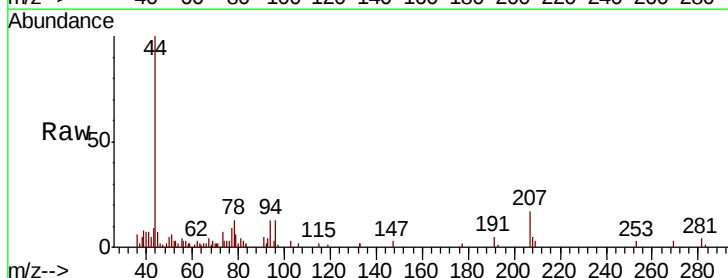
Acq: 01 May 2020 11:55

Tgt Ion: 94 Resp: 784

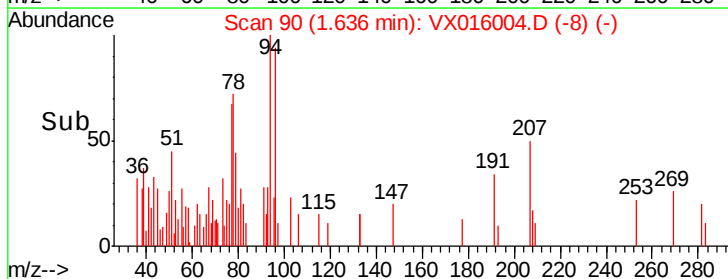
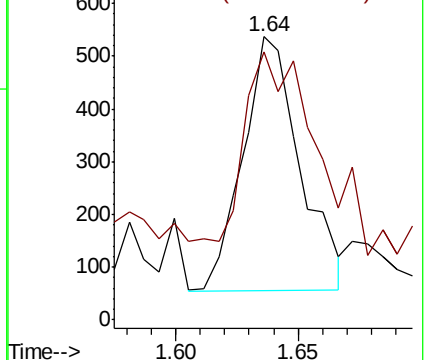
Ion Ratio Lower Upper

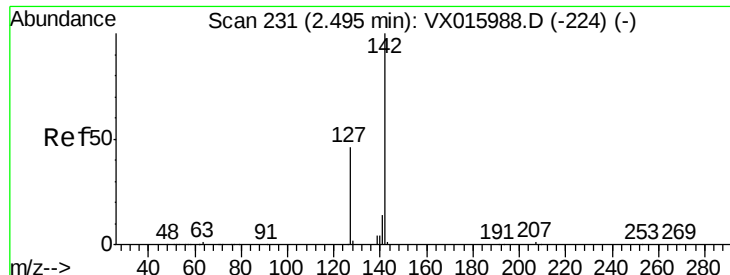
94 100

96 74.6 74.2 111.2



Abundance Ion 94.00 (93.70 to 94.70): VX0
Ion 96.00 (95.70 to 96.70): VX0

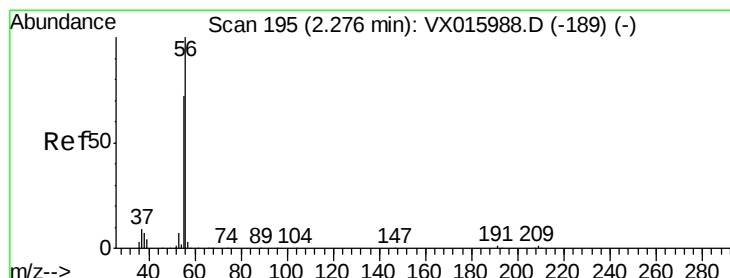
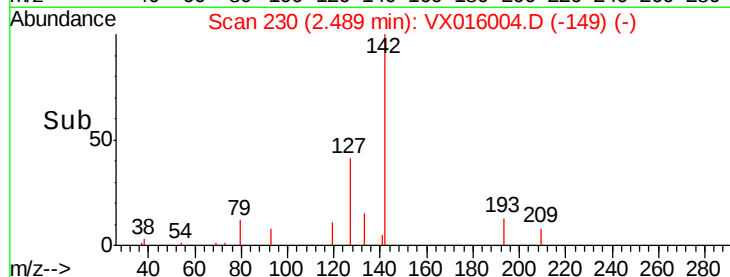
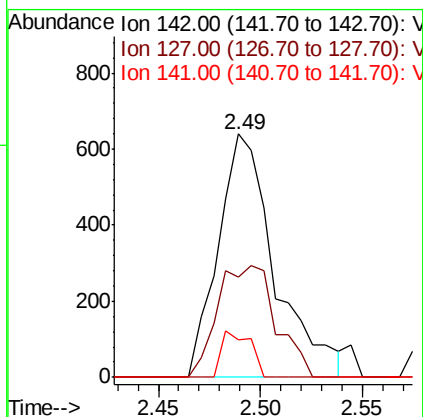
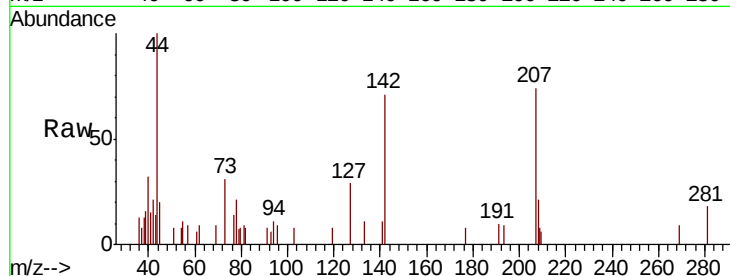




#11
Methvl Iodide
Concen: 0.292 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX016004.D
Acq: 01 May 2020 11:55

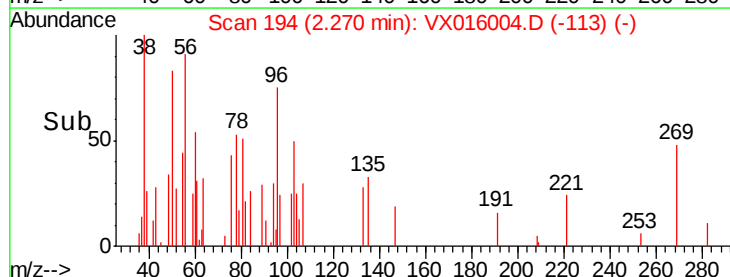
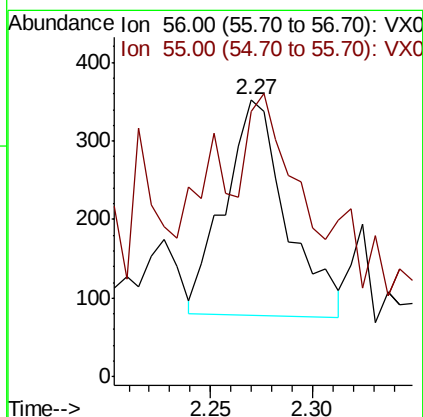
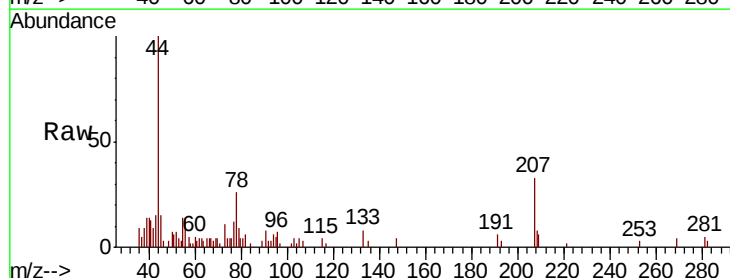
Instrument :
MSVOA_X
ClientSampleId :

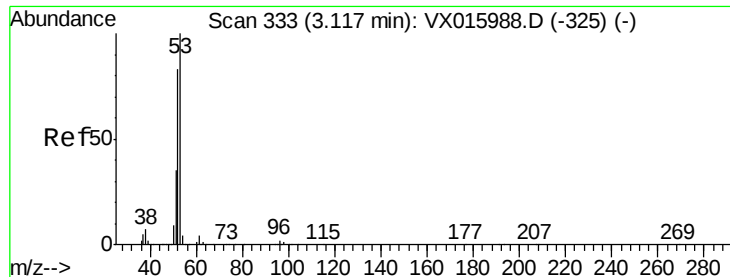
Tot Ion:142 Resp: 1231
Ion Ratio Lower Upper
142 100
127 43.4 22.8 68.4
141 16.2 7.0 21.1



#13
Acrolein
Concen: 1.330 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX016004.D
Acq: 01 May 2020 11:55

Tgt Ion: 56 Resp: 576
Ion Ratio Lower Upper
56 100
55 71.9 56.2 84.4





#14

Acrylonitrile

Concen: 0.448 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016004.D

Acq: 01 May 2020 11:55

Instrument :

MSVOA_X

ClientSampled :

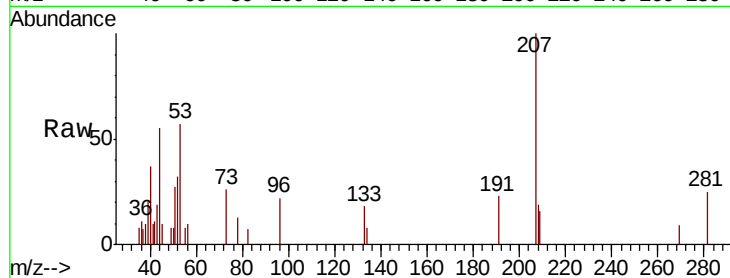
Tot Ion: 53 Resp: 894

Ion Ratio Lower Upper

53 100

52 44.7 41.2 123.6

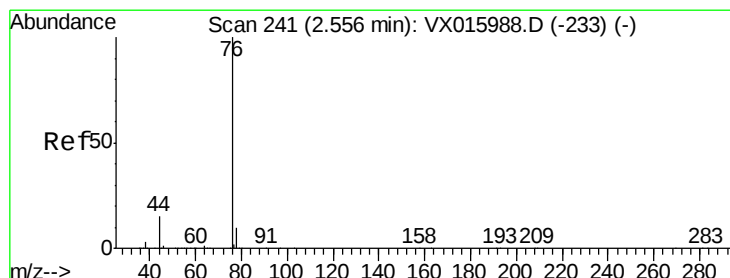
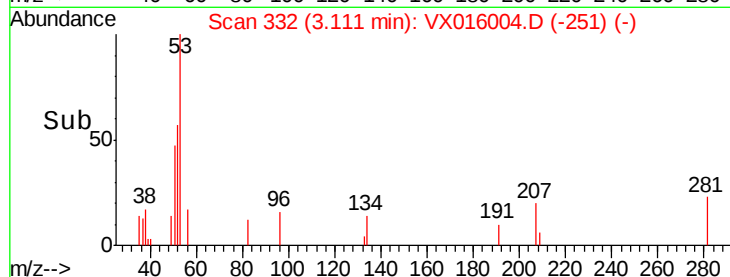
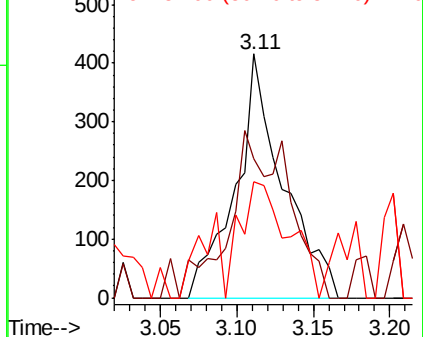
51 36.4 17.8 53.5



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

Carbon Disulfide

Concen: 0.396 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VX016004.D

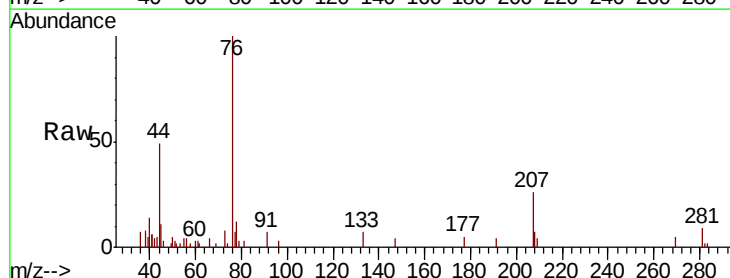
Acq: 01 May 2020 11:55

Tgt Ion: 76 Resp: 3725

Ion Ratio Lower Upper

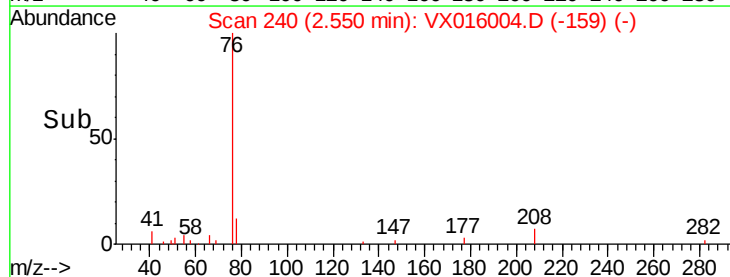
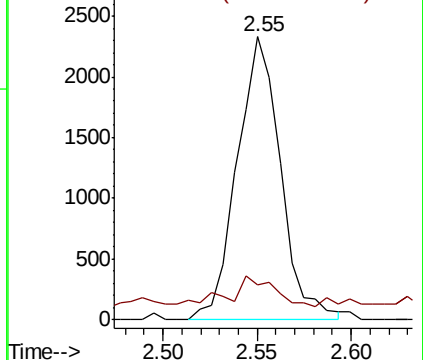
76 100

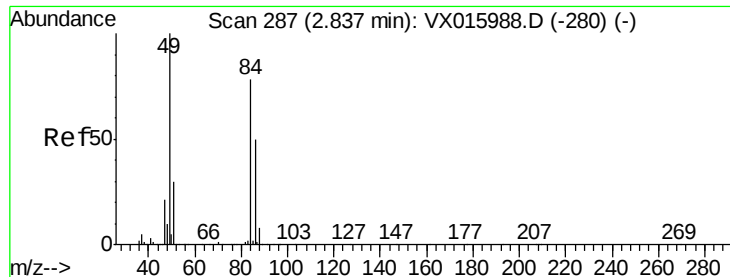
78 6.7 7.7 11.5#



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

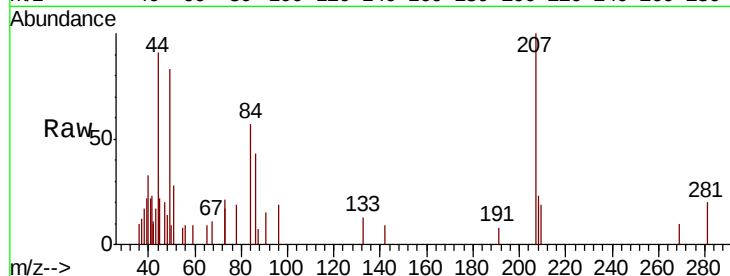




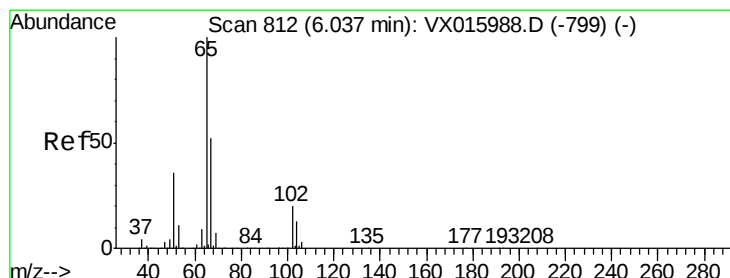
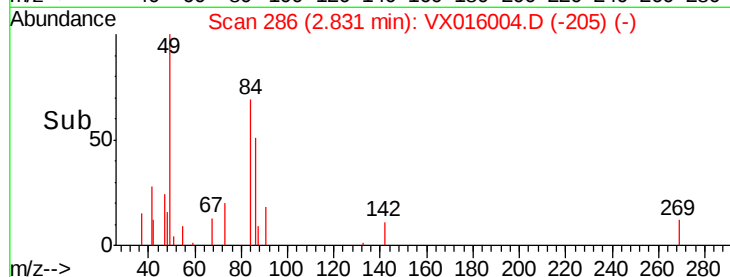
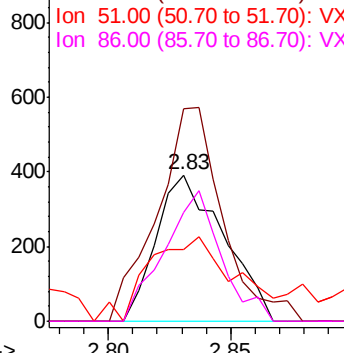
#18
Methvlene Chloride
Concen: 0.218 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016004.D
Acq: 01 May 2020 11:55

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	84	Resp:	755
Ion	Ratio	Lower	Upper
84	100		
49	119.1	103.0	154.4
51	49.2	31.4	47.0#
86	74.5	51.7	77.5

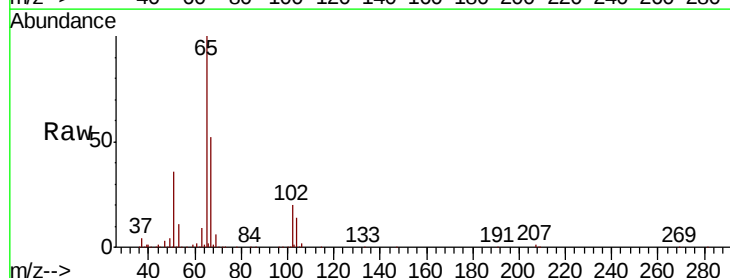


Abundance Ion 84.00 (83.70 to 84.70): VX0
Ion 49.00 (48.70 to 49.70): VX0
Ion 51.00 (50.70 to 51.70): VX0
Ion 86.00 (85.70 to 86.70): VX0

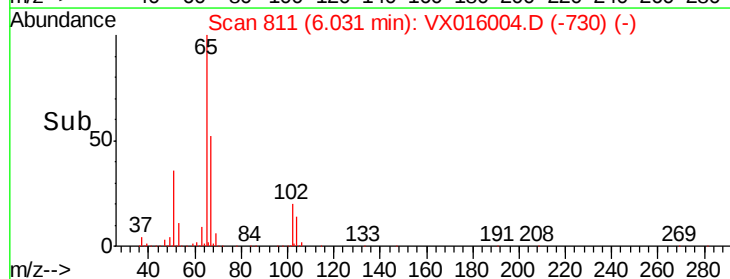
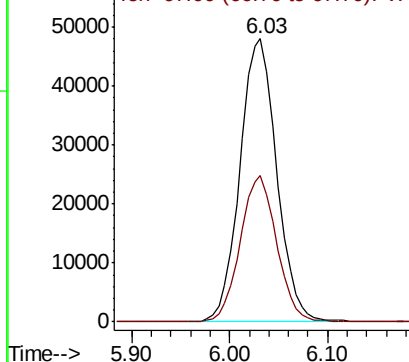


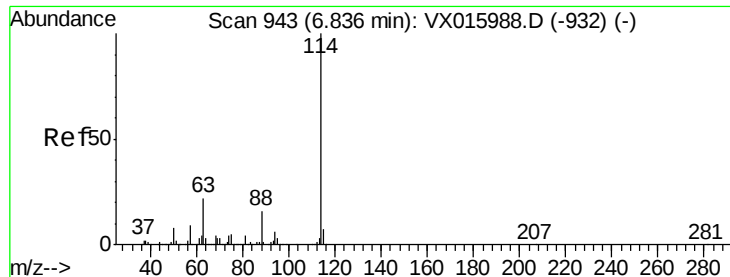
#27
1,2-Dichloroethane-d4
Concen: 30.169 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.01 min
Lab File: VX016004.D
Acq: 01 May 2020 11:55

Tgt Ion:	65	Resp:	125332
Ion	Ratio	Lower	Upper
65	100		
67	51.3	41.0	61.4



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

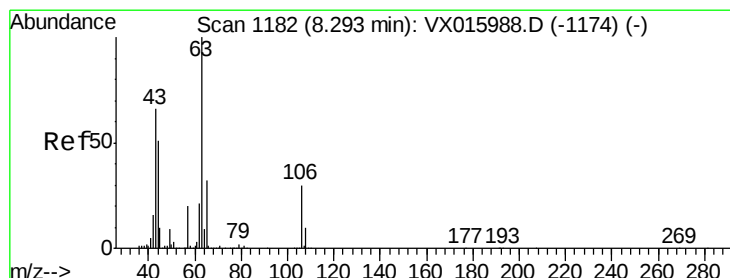
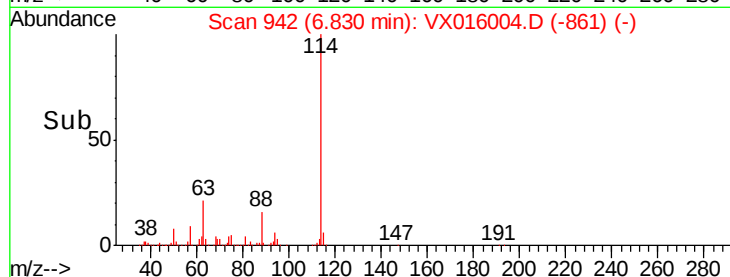
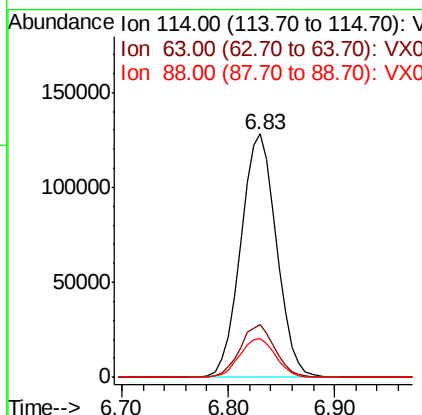
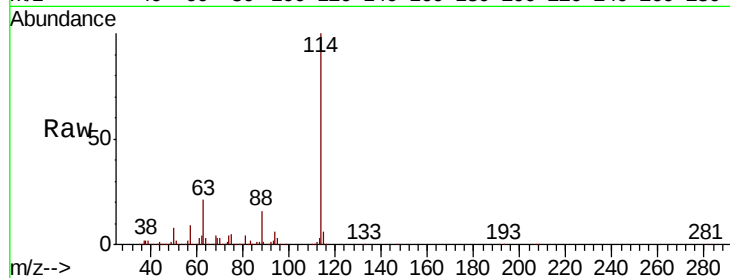




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX016004.D
 Acq: 01 May 2020 11:55

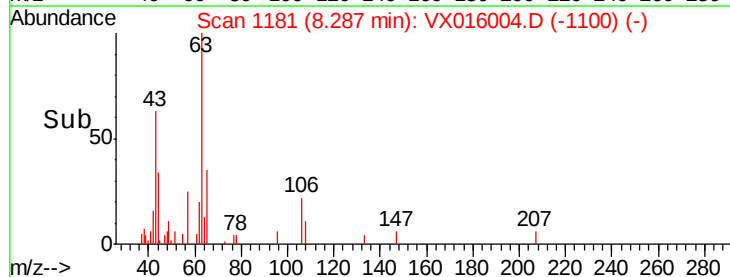
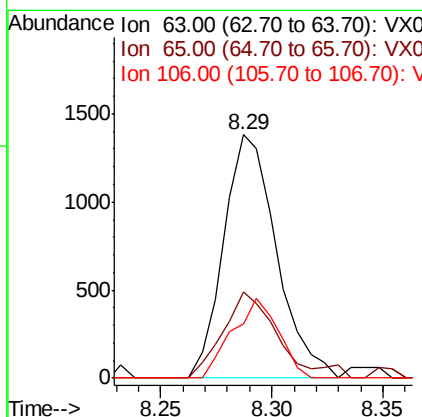
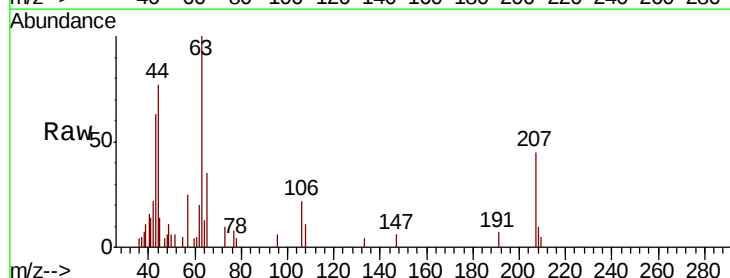
Instrument :
 MSVOA_X
 ClientSampleId :

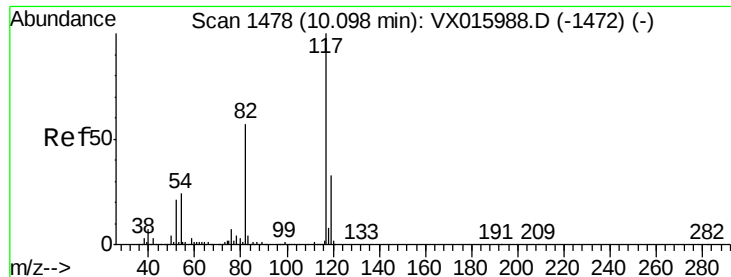
Tot Ion:114 Resp: 302011
 Ion Ratio Lower Upper
 114 100
 63 21.3 17.1 25.7
 88 16.2 13.0 19.4



#55
 2-Chloroethyl vinyl ether
 Concen: 0.728 ug/l
 RT: 8.29 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VX016004.D
 Acq: 01 May 2020 11:55

Tgt Ion: 63 Resp: 2279
 Ion Ratio Lower Upper
 63 100
 65 34.6 25.6 38.4
 106 28.5 23.4 35.0

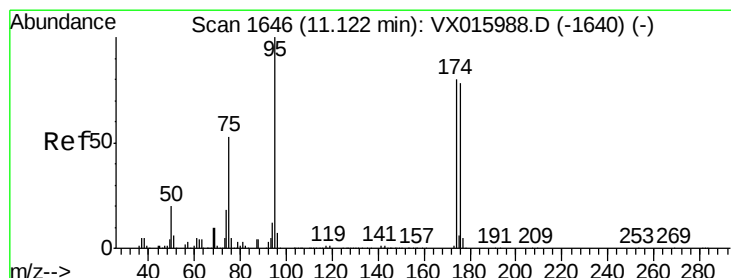
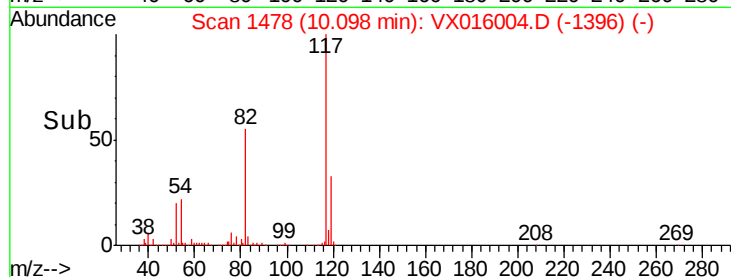
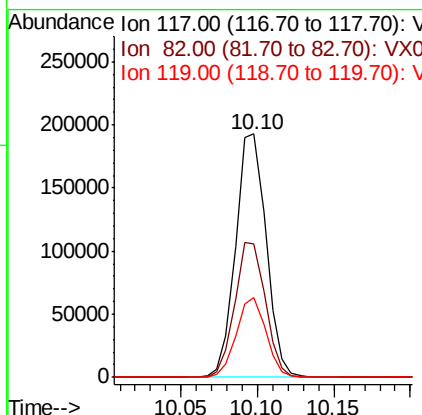
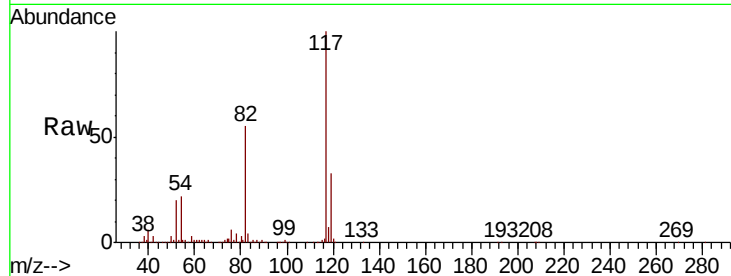




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016004.D
Acq: 01 May 2020 11:55

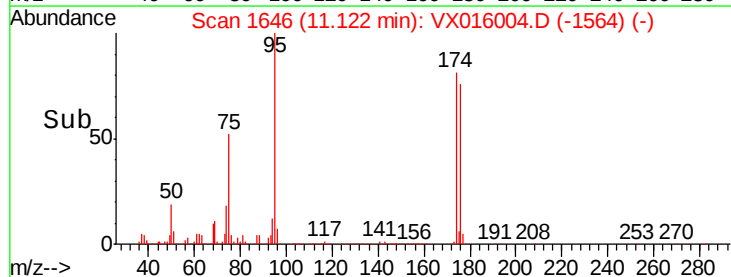
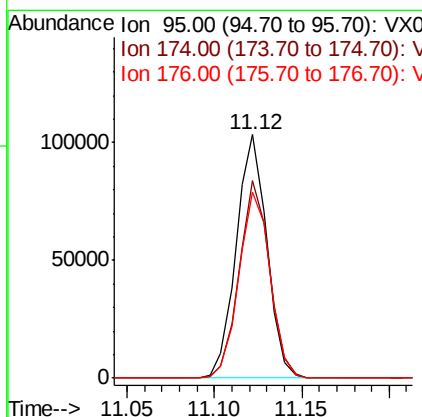
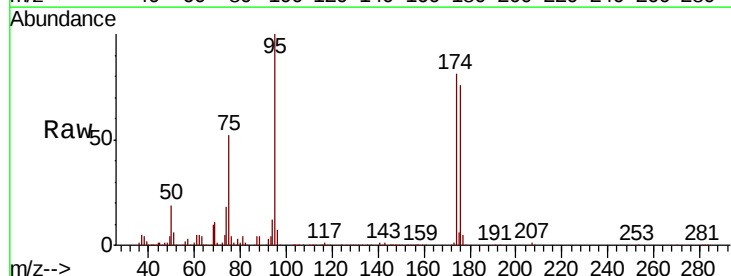
Instrument :
MSVOA_X
ClientSampleId :

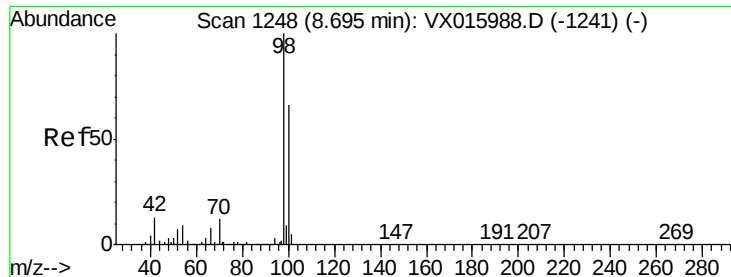
Tot Ion:117 Resp: 267403
Ion Ratio Lower Upper
117 100
82 55.9 45.1 67.7
119 31.9 25.6 38.4



#60
4-Bromofluorobenzene
Concen: 28.053 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016004.D
Acq: 01 May 2020 11:55

Tgt Ion: 95 Resp: 125797
Ion Ratio Lower Upper
95 100
174 80.4 64.8 97.2
176 78.1 62.4 93.6





#63

Toluene-d8

Concen: 30.908 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016004.D

Acq: 01 May 2020 11:55

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 354555

Ion Ratio Lower Upper

98 100

100 66.3 52.5 78.7

