

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010920\
 Data File : VX014488.D
 Acq On : 09 Jan 2020 10:41
 Operator : JC/SP
 Sample : VX0109WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 09 14:34:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	78767	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	446709	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	388697	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	168371	29.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.50%
60) 4-Bromofluorobenzene	11.13	95	174006	27.72	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.40%
63) Toluene-d8	8.71	98	525734	30.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.87%

Target Compounds

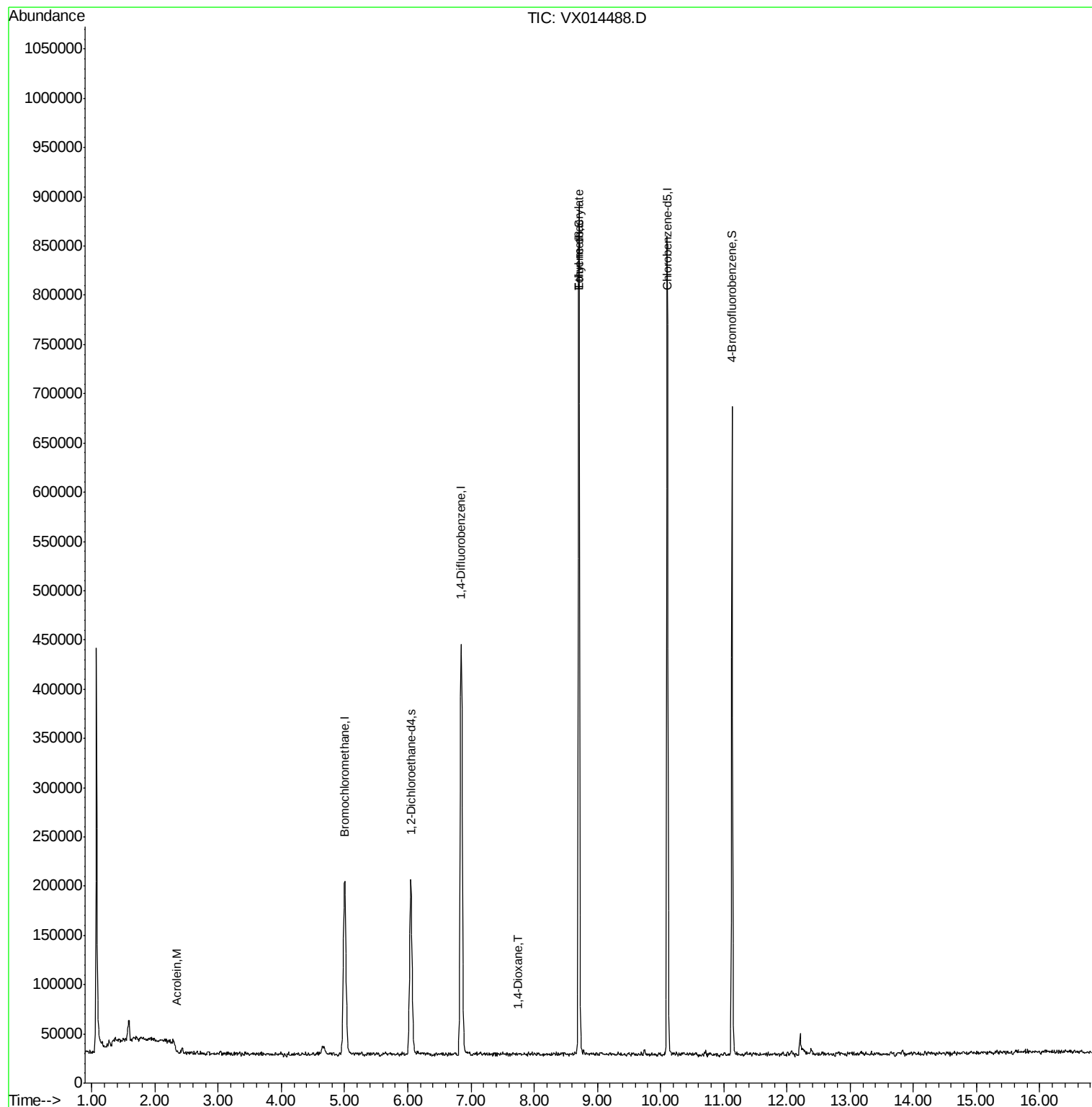
					Ovalue
13) Acrolein	2.34	56	404	0.488 ug/l	92
45) 1,4-Dioxane	7.74	88	75	0.655 ug/l #	1
51) Ethyl methacrylate	8.71	69	2356	0.287 ug/l	70

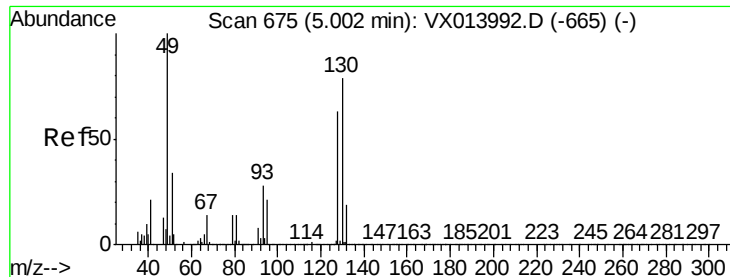
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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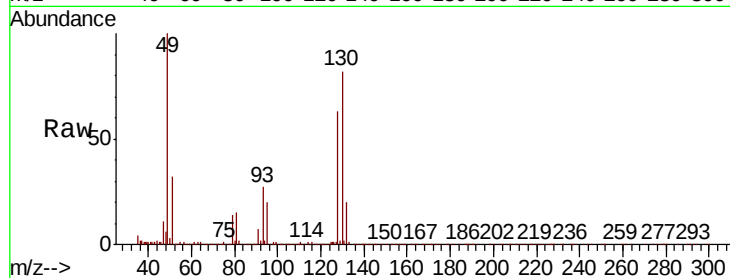


#1

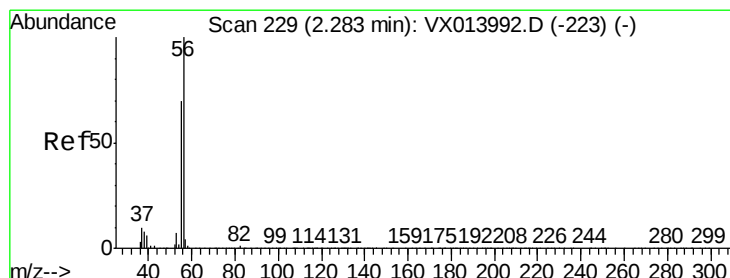
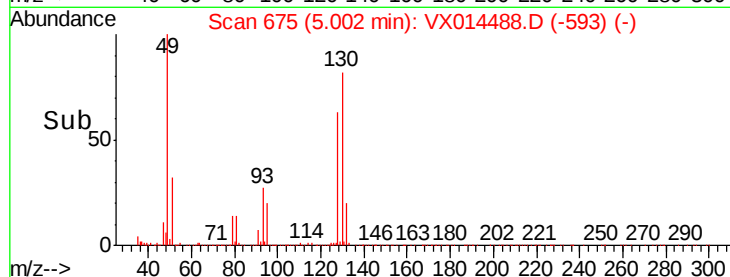
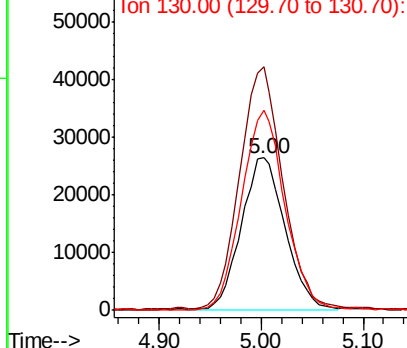
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VX014488.D
 Acq: 09 Jan 2020 10:41

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:128 Resp: 78767
 Ion Ratio Lower Upper
 128 100
 49 155.8 0.0 405.0
 130 130.2 0.0 321.5



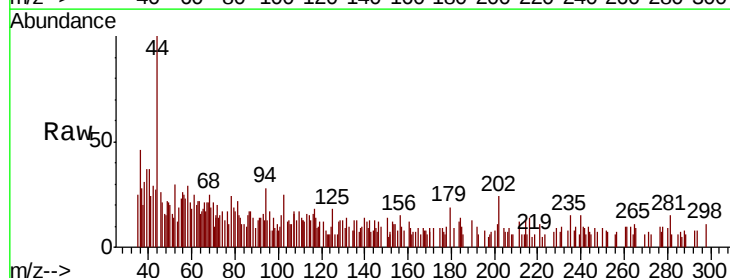
Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VX0
 Ion 130.00 (129.70 to 130.70): V



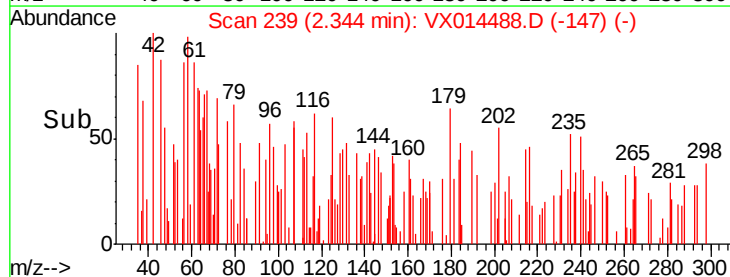
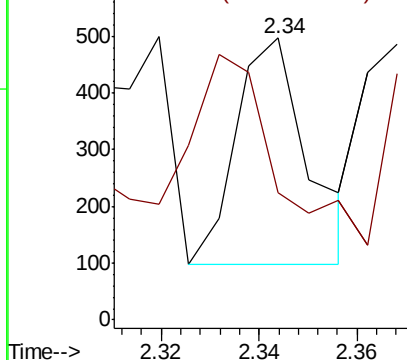
#13

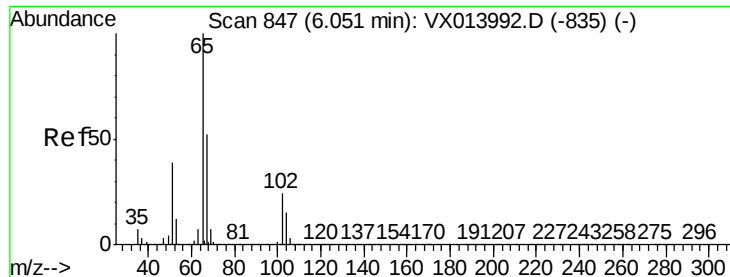
Acrolein
 Concen: 0.488 ug/l
 RT: 2.34 min Scan# 239
 Delta R.T. 0.06 min
 Lab File: VX014488.D
 Acq: 09 Jan 2020 10:41

Tgt Ion: 56 Resp: 404
 Ion Ratio Lower Upper
 56 100
 55 61.9 54.9 82.3



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 29.847 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014488.D

Acq: 09 Jan 2020 10:41

Instrument :

MSVOA_X

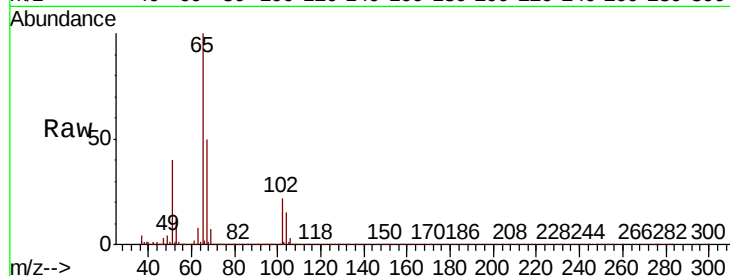
ClientSampleId :

Tot Ion: 65 Resp: 168371

Ion Ratio Lower Upper

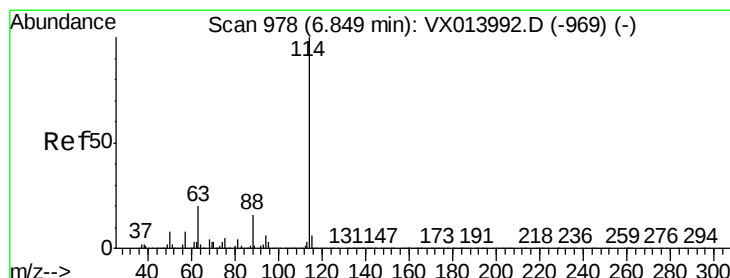
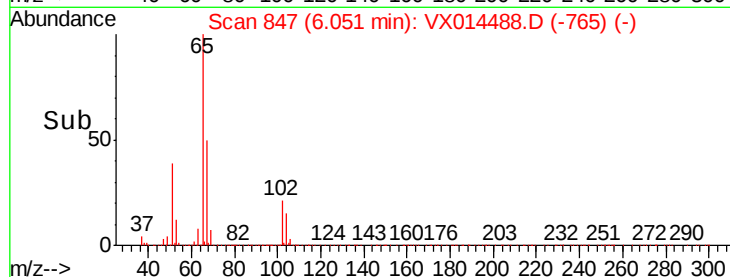
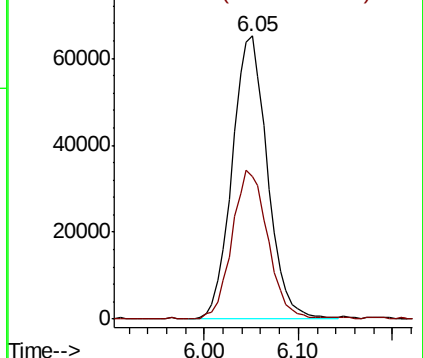
65 100

67 52.7 43.1 64.7



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: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX014488.D

Acq: 09 Jan 2020 10:41

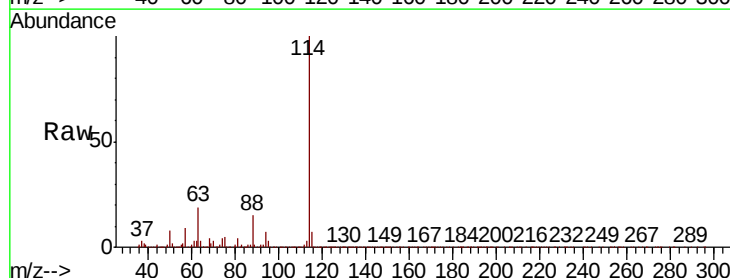
Tgt Ion: 114 Resp: 446709

Ion Ratio Lower Upper

114 100

63 19.9 16.1 24.1

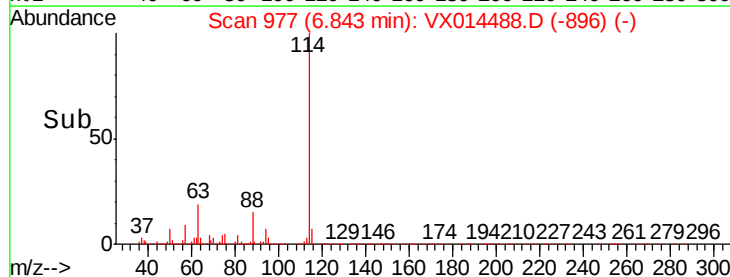
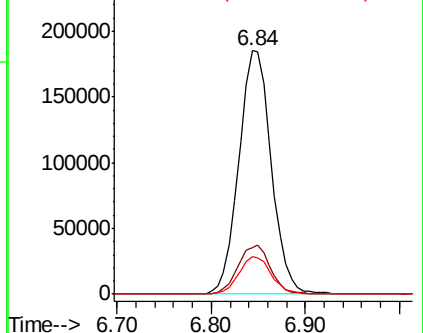
88 15.2 12.5 18.7

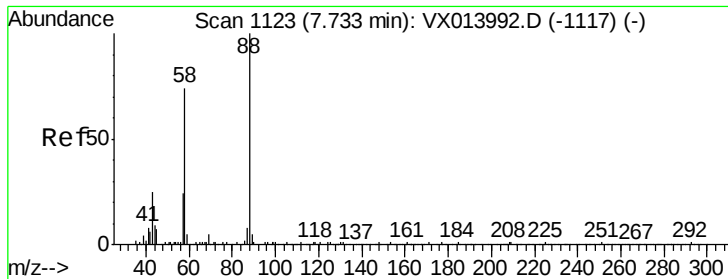


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#45

1,4-Dioxane

Concen: 0.655 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

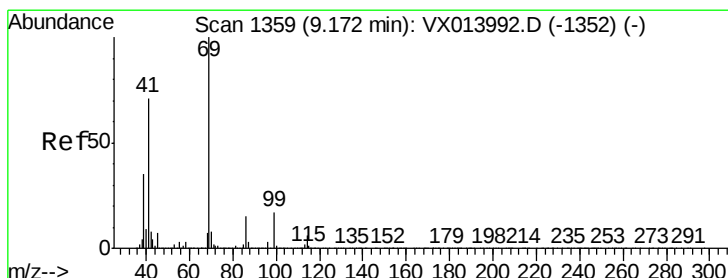
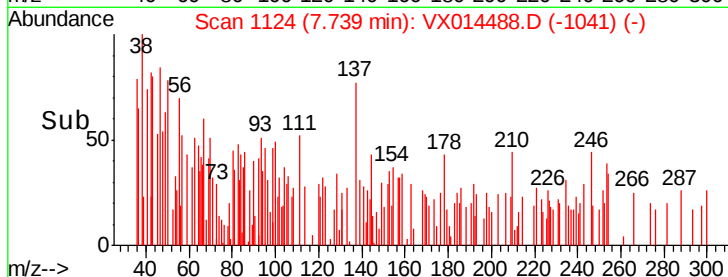
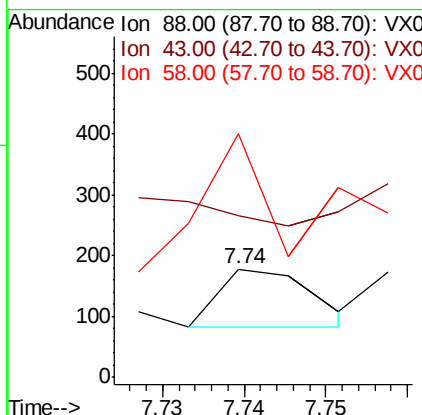
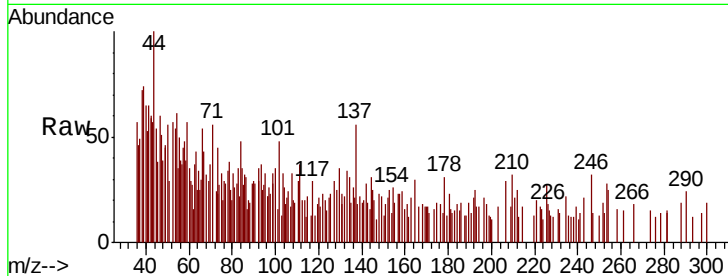
Lab File: VX014488.D

Acq: 09 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 75

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.4	38.2#
58	302.7	56.5	84.7#



#51

Ethyl methacrylate

Concen: 0.287 ug/l

RT: 8.71 min Scan# 1283

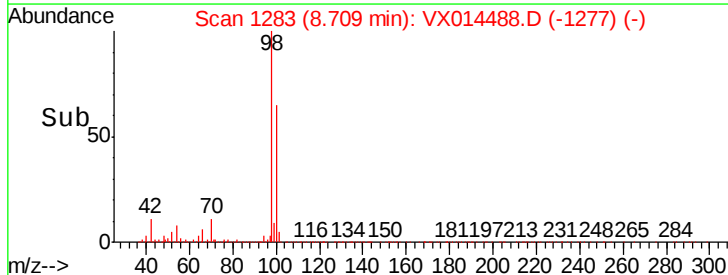
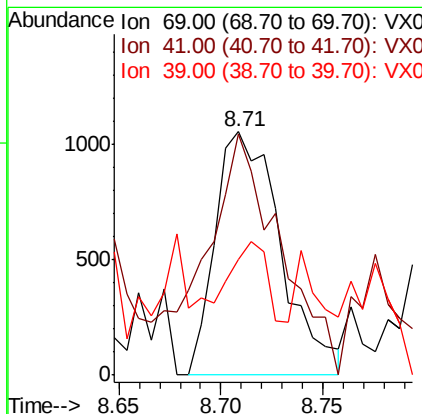
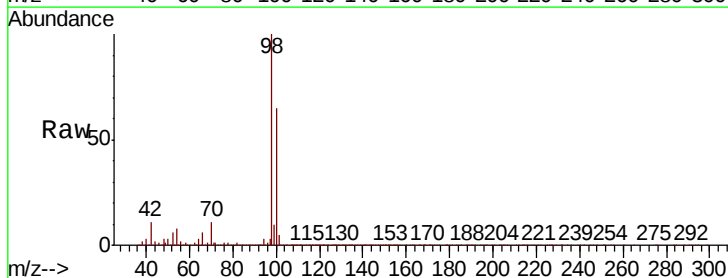
Delta R.T. -0.46 min

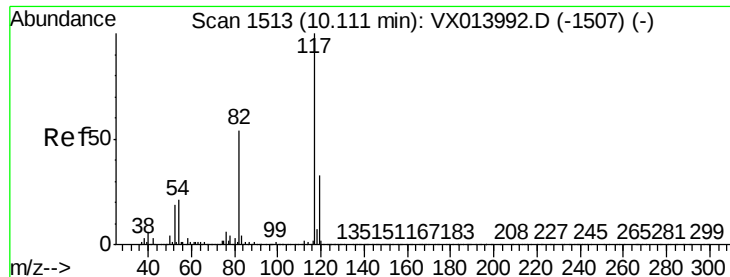
Lab File: VX014488.D

Acq: 09 Jan 2020 10:41

Tgt Ion: 69 Resp: 2356

Ion	Ratio	Lower	Upper
69	100		
41	98.8	35.4	106.1
39	23.5	17.8	53.3

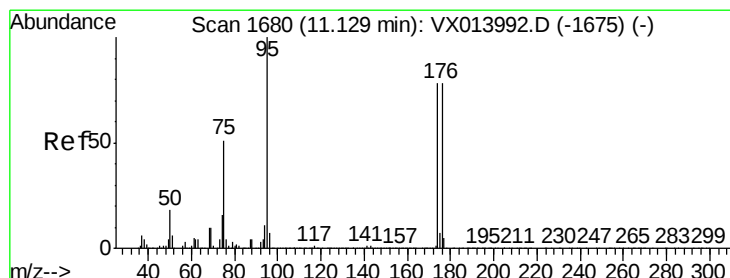
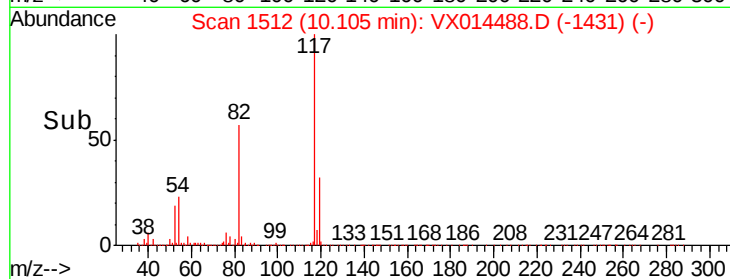
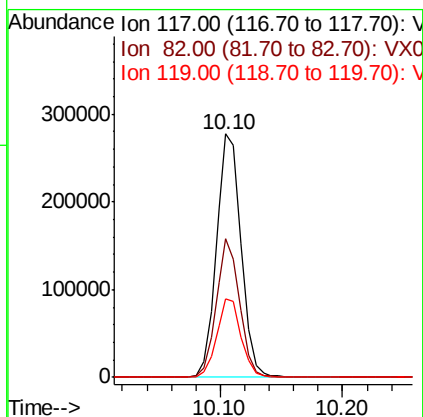
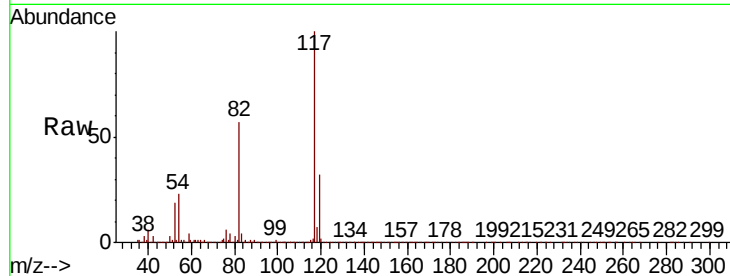




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014488.D
Acq: 09 Jan 2020 10:41

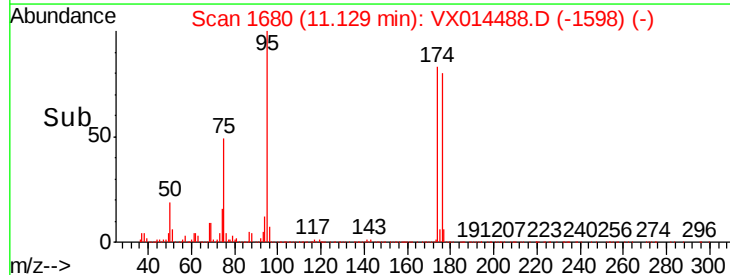
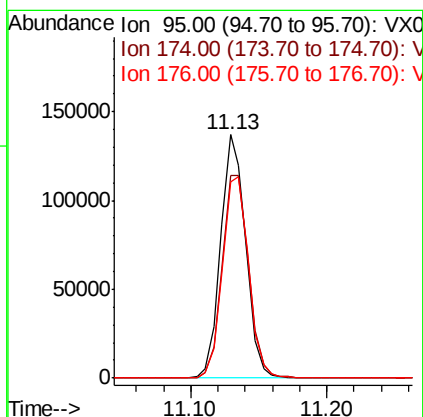
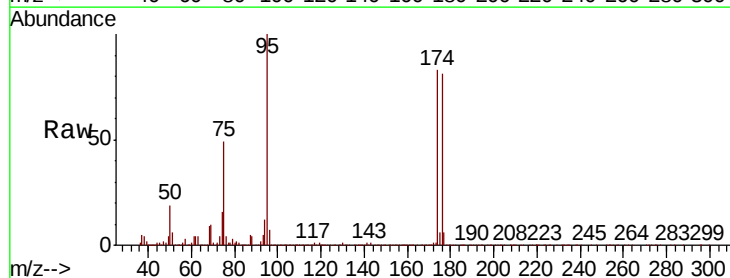
Instrument :
MSVOA_X
ClientSampled :

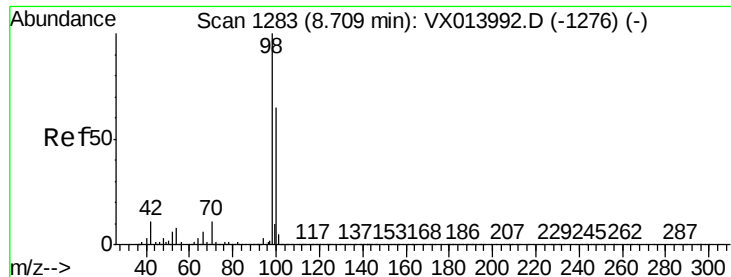
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.8	65.6
119	31.7	25.8	38.6



#60
4-Bromofluorobenzene
Concen: 27.723 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014488.D
Acq: 09 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.6	70.2	105.2
176	86.5	68.3	102.5





#63
Toluene-d8
Concen: 30.259 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014488.D
Acq: 09 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.2

