

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020520\
 Data File : VX014816.D
 Acq On : 05 Feb 2020 12:49
 Operator : JC/SP
 Sample : L1377-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 06 03:04:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	80268	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	429383	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	383006	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	177508	31.46	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.87%
60) 4-Bromofluorobenzene	11.13	95	161869	26.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.03%
63) Toluene-d8	8.71	98	513714	29.69	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.97%

Target Compounds

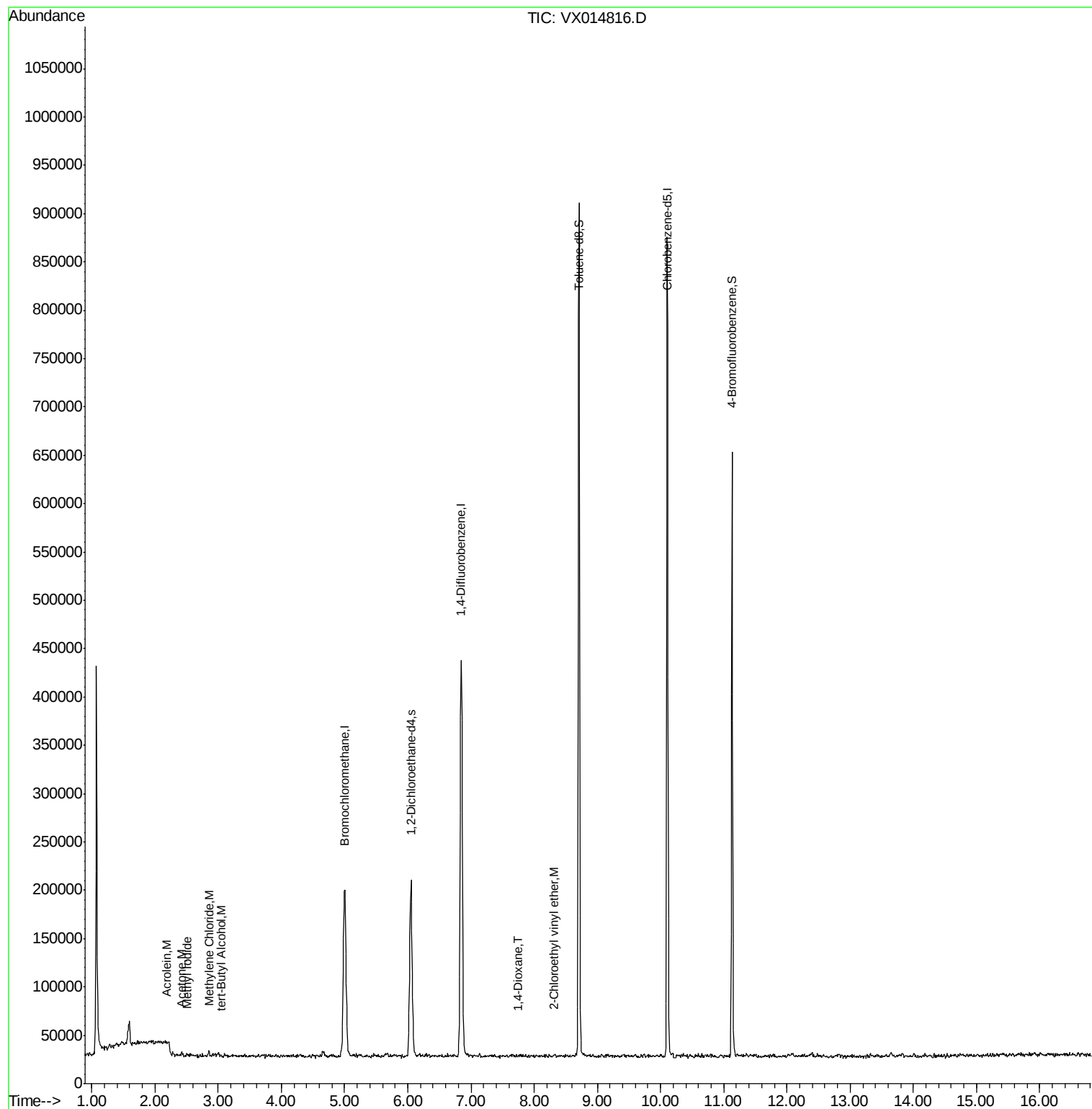
					Ovalue	
11) Methyl Iodide	2.51	142	1487	0.250	ug/l #	91
13) Acrolein	2.18	56	312	0.370	ug/l	97
15) Acetone	2.42	58	1585	1.721	ug/l #	38
18) Methylene Chloride	2.84	84	2212	0.425	ug/l #	71
23) tert-Butyl Alcohol	3.04	59	317	0.279	ug/l #	5
45) 1,4-Dioxane	7.75	88	82	0.704	ug/l #	1
55) 2-Chloroethyl vinyl ether	8.31	63	1145	0.323	ug/l #	68

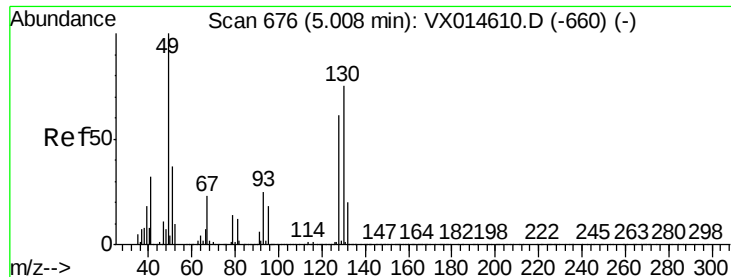
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 15 12:41:12 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX014816.D

Acq: 05 Feb 2020 12:49

Instrument :
MSVOA_X
ClientSampled :

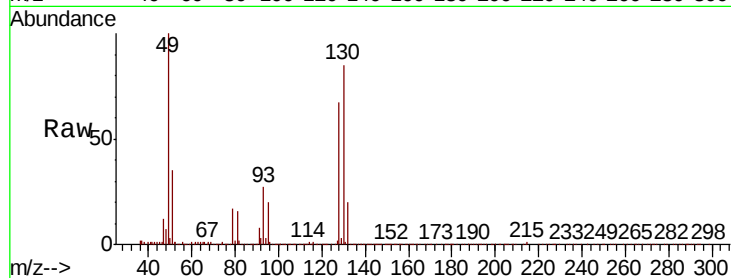
Tot Ion:128 Resp: 80268

Ion Ratio Lower Upper

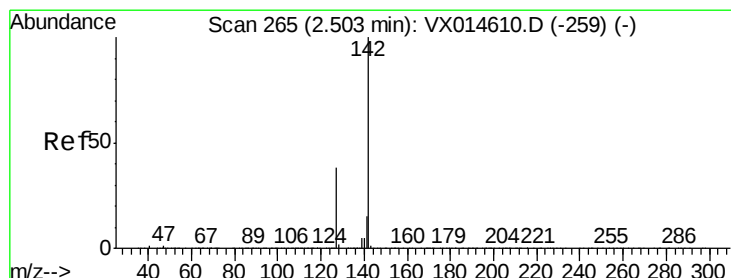
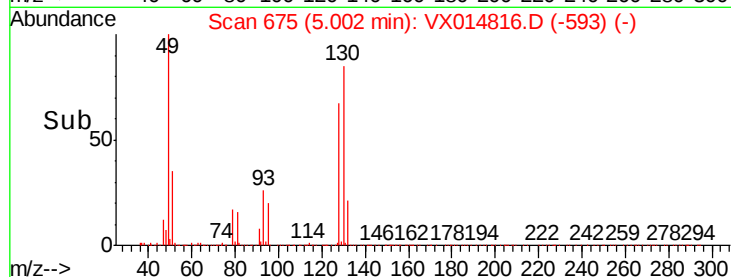
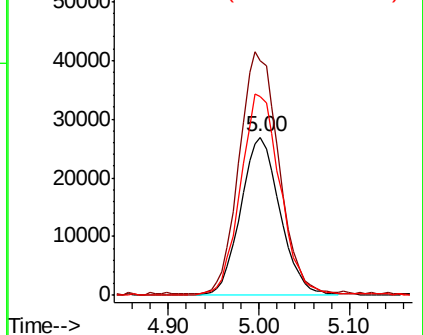
128 100

49 156.4 0.0 405.0

130 128.8 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



#11

Methyl Iodide

Concen: 0.250 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX014816.D

Acq: 05 Feb 2020 12:49

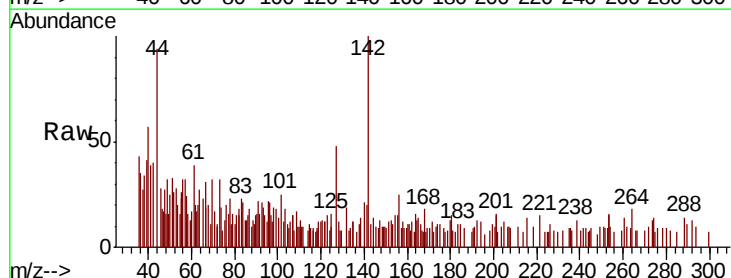
Tgt Ion:142 Resp: 1487

Ion Ratio Lower Upper

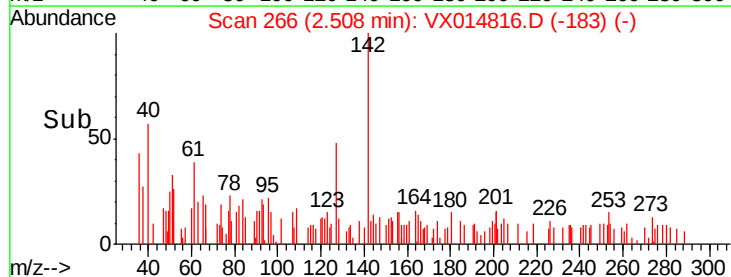
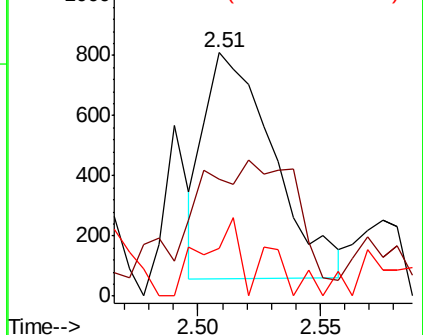
142 100

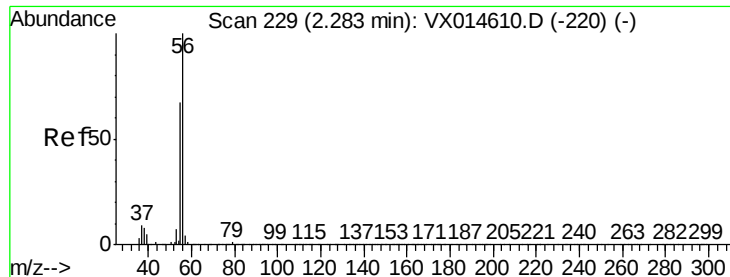
127 42.3 19.5 58.5

141 6.4 7.0 20.9#



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

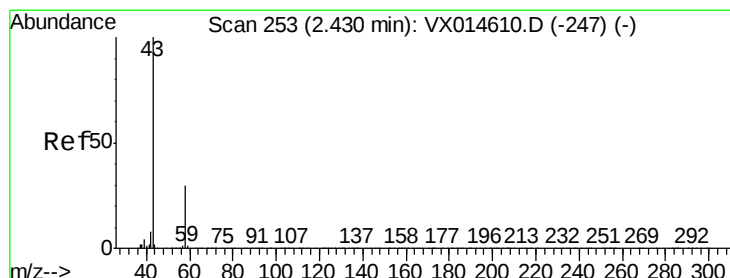
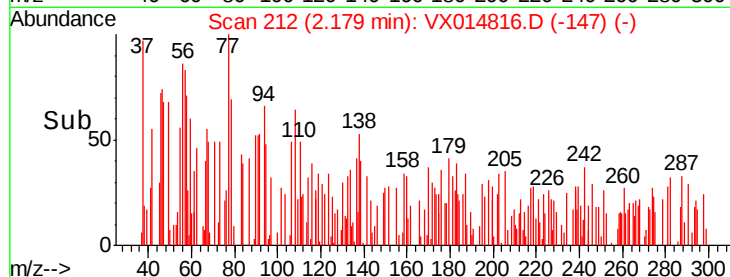
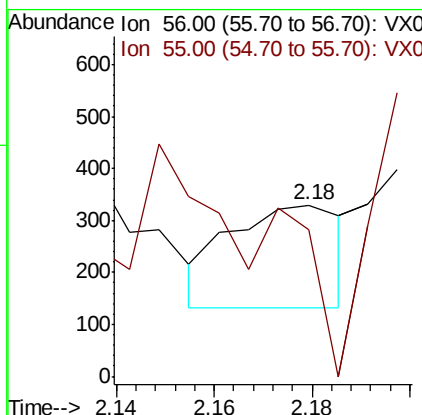
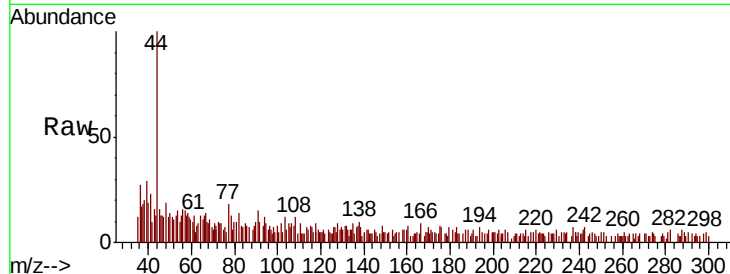




#13
Acrolein
Concen: 0.370 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.10 min
Lab File: VX014816.D
Acq: 05 Feb 2020 12:49

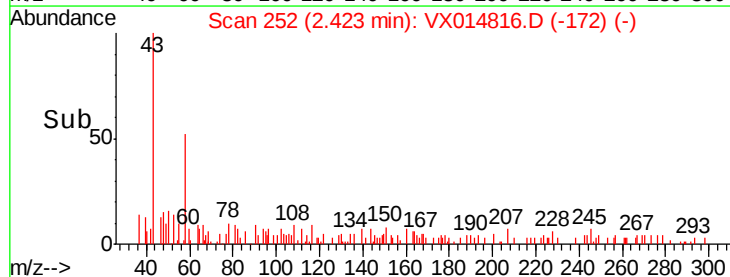
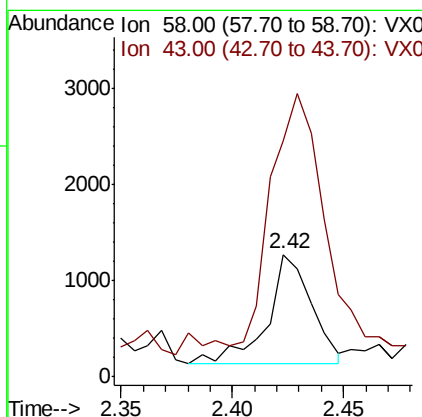
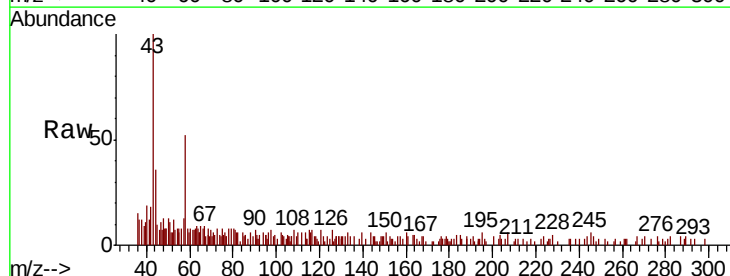
Instrument :
MSVOA_X
ClientSampled :

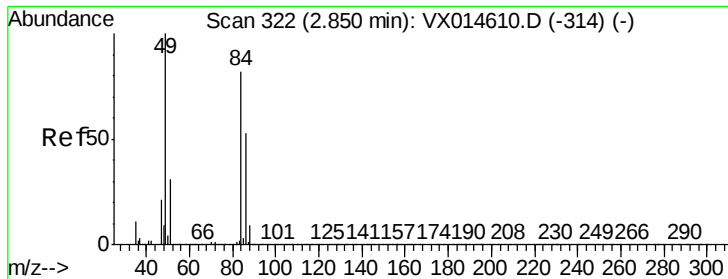
Tot Ion: 56 Resp: 312
Ion Ratio Lower Upper
56 100
55 71.2 54.9 82.3



#15
Acetone
Concen: 1.721 ug/l
RT: 2.42 min Scan# 252
Delta R.T. -0.01 min
Lab File: VX014816.D
Acq: 05 Feb 2020 12:49

Tgt Ion: 58 Resp: 1585
Ion Ratio Lower Upper
58 100
43 174.9 236.3 354.5#

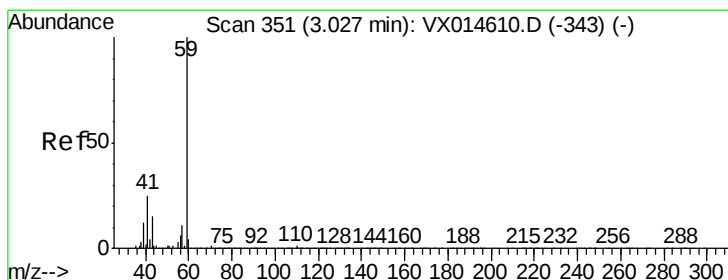
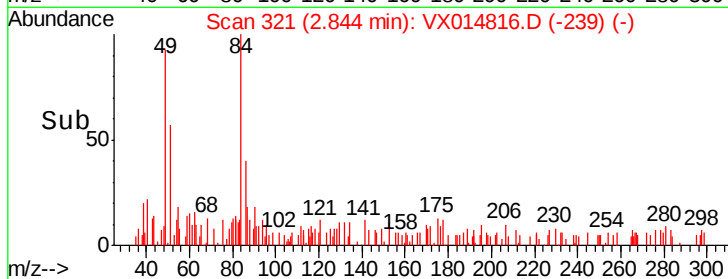
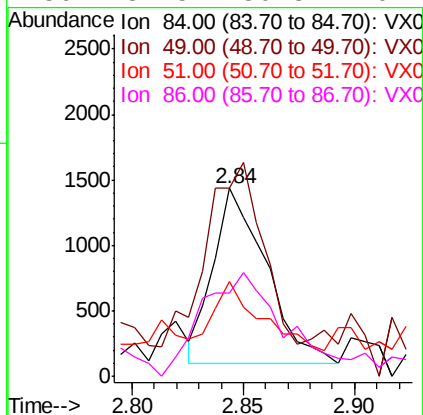
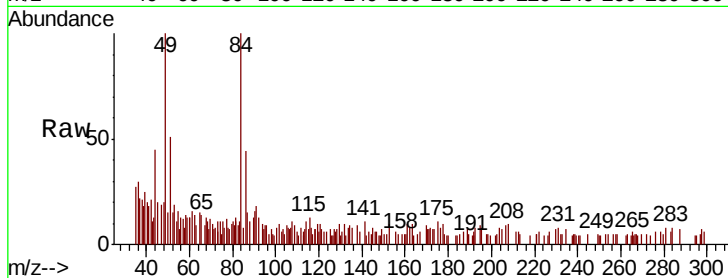




#18
Methvlene Chloride
Concen: 0.425 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX014816.D
Acq: 05 Feb 2020 12:49

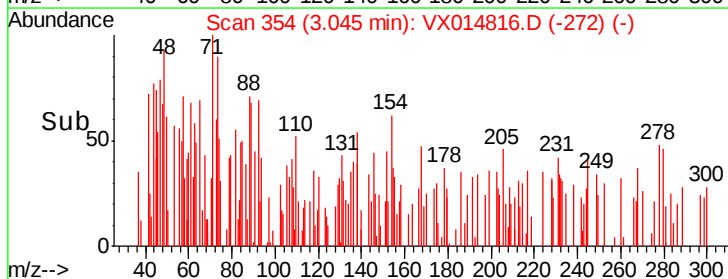
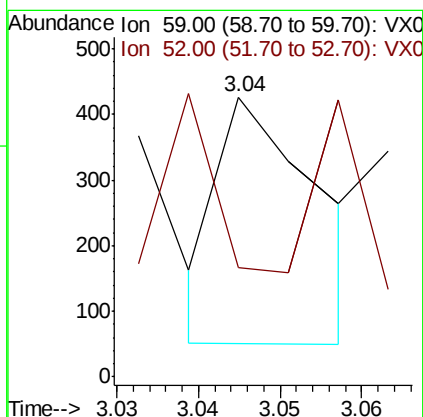
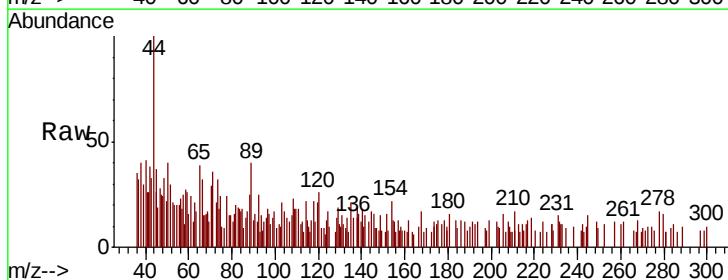
Instrument :
MSVOA_X
ClientSampleId :

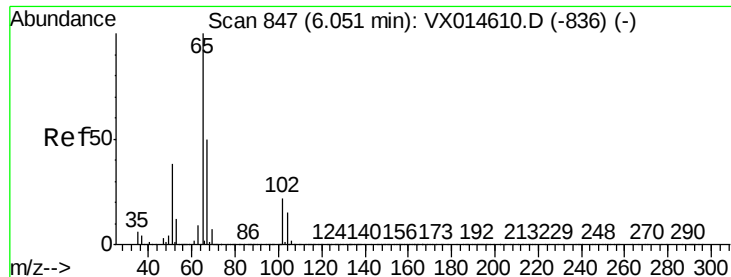
Tot Ion: 84 Resp: 2212
Ion Ratio Lower Upper
84 100
49 89.6 102.2 153.2#
51 33.1 31.4 47.0
86 37.5 50.8 76.2#



#23
tert-Butyl Alcohol
Concen: 0.279 ug/l
RT: 3.04 min Scan# 354
Delta R.T. -0.00 min
Lab File: VX014816.D
Acq: 05 Feb 2020 12:49

Tgt Ion: 59 Resp: 317
Ion Ratio Lower Upper
59 100
52 121.8 0.2 0.2#

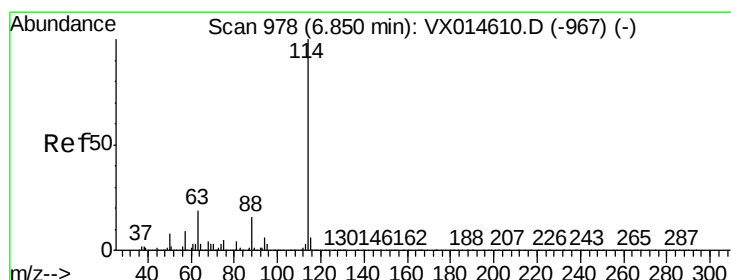
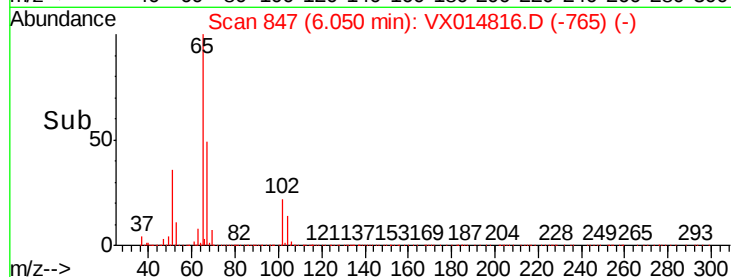
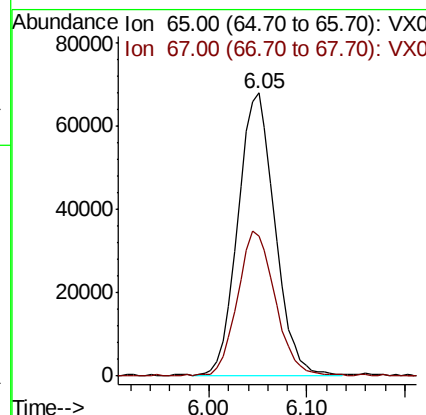
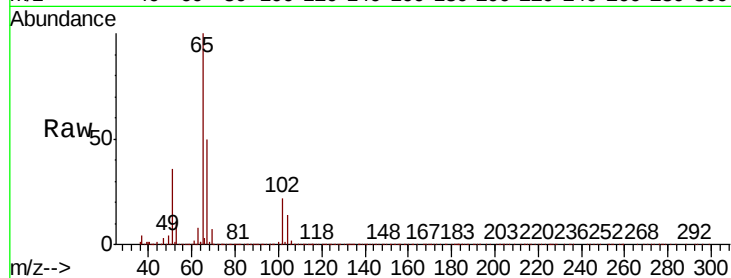




#27
 1,2-Dichloroethane-d4
 Concen: 31.462 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX014816.D
 Acq: 05 Feb 2020 12:49

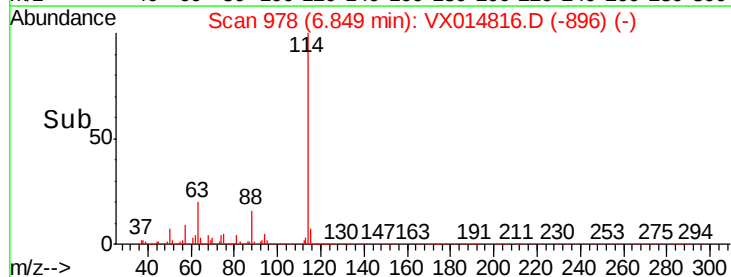
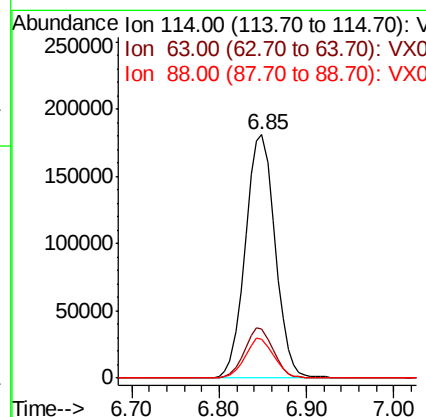
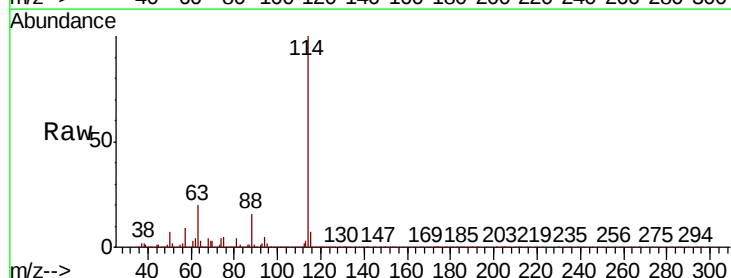
Instrument :
 MSVOA_X
 ClientSampleId :

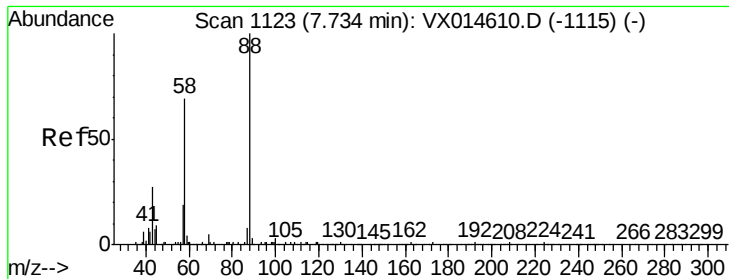
Tot Ion: 65 Resp: 177508
 Ion Ratio Lower Upper
 65 100
 67 51.9 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014816.D
 Acq: 05 Feb 2020 12:49

Tgt Ion: 114 Resp: 429383
 Ion Ratio Lower Upper
 114 100
 63 19.7 16.1 24.1
 88 15.6 12.5 18.7





#45

1,4-Dioxane

Concen: 0.704 ug/l

RT: 7.75 min Scan# 1125

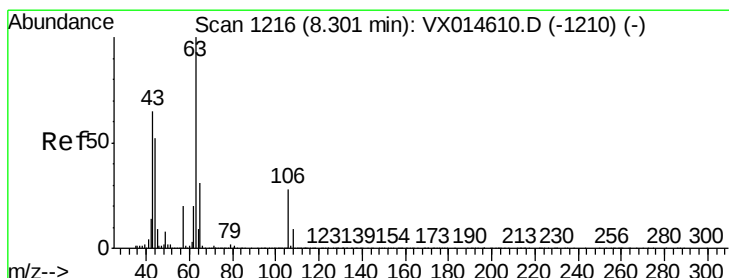
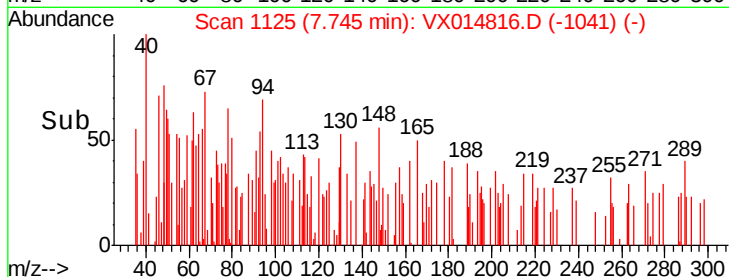
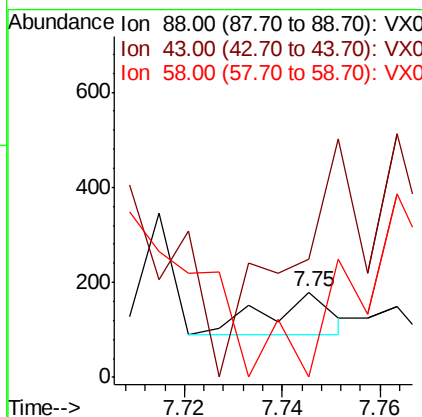
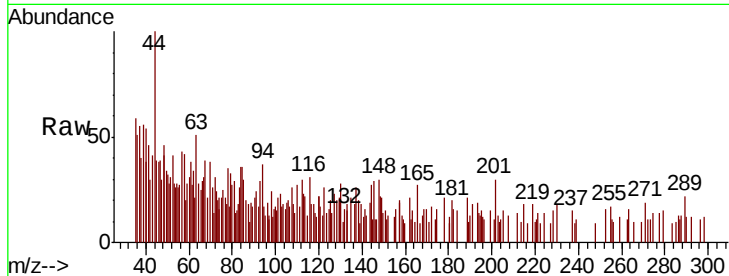
Delta R.T. 0.01 min

Lab File: VX014816.D

Acq: 05 Feb 2020 12:49

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	88	Resp:	82
Ion	Ratio	Lower	Upper
88	100		
43	218.3	25.4	38.2#
58	0.0	56.5	84.7#



#55

2-Chloroethyl vinyl ether

Concen: 0.323 ug/l

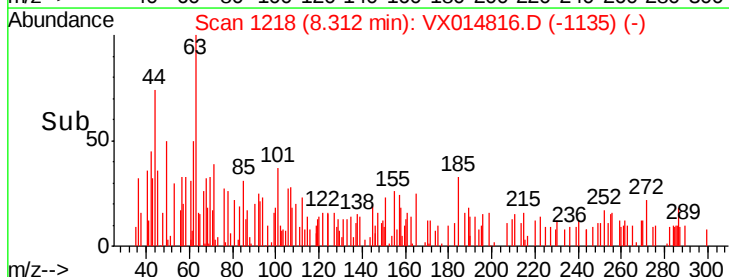
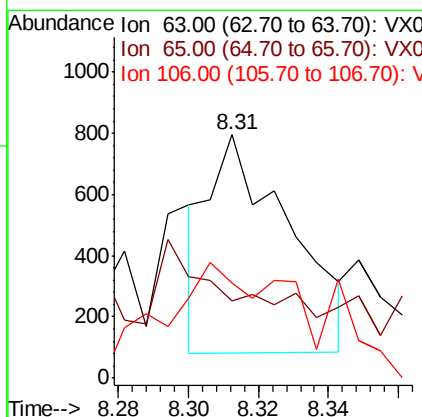
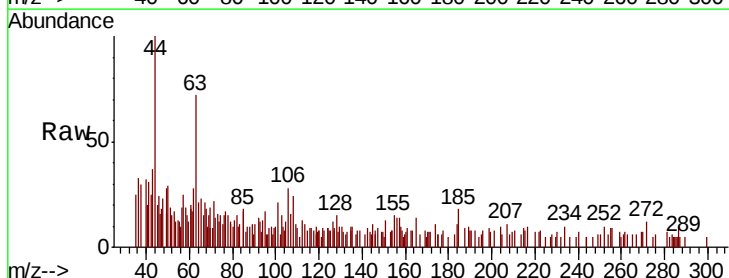
RT: 8.31 min Scan# 1218

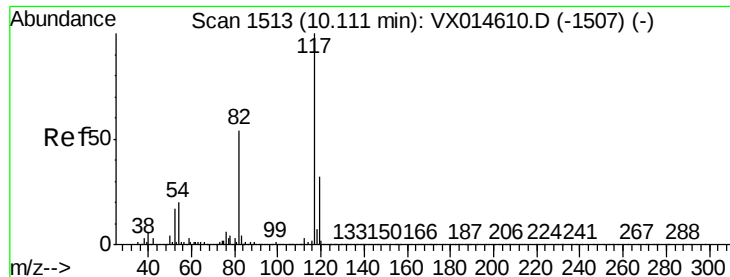
Delta R.T. 0.01 min

Lab File: VX014816.D

Acq: 05 Feb 2020 12:49

Tgt Ion:	63	Resp:	1145
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.8	38.6#
106	30.0	22.9	34.3

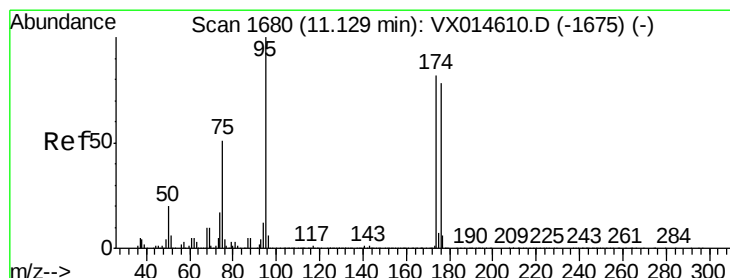
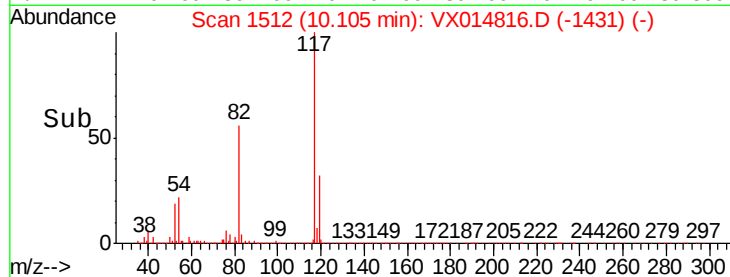
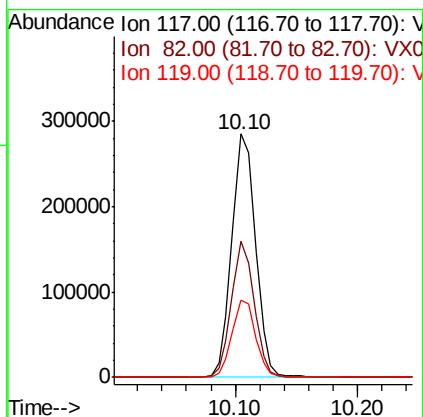
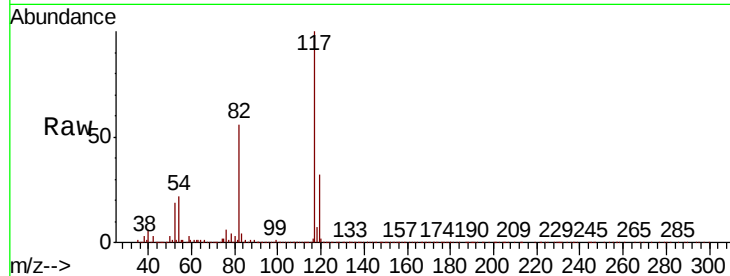




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014816.D
Acq: 05 Feb 2020 12:49

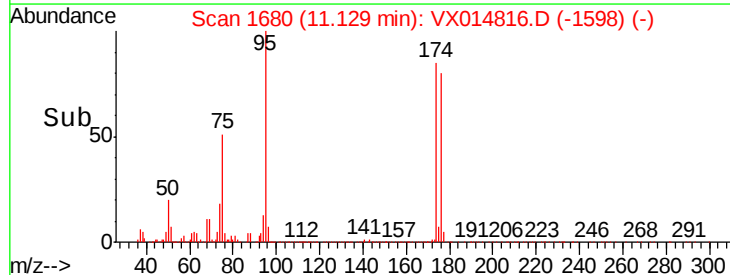
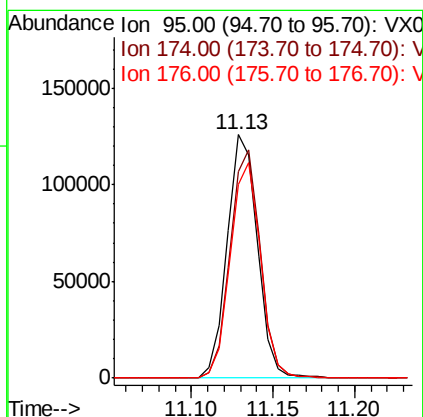
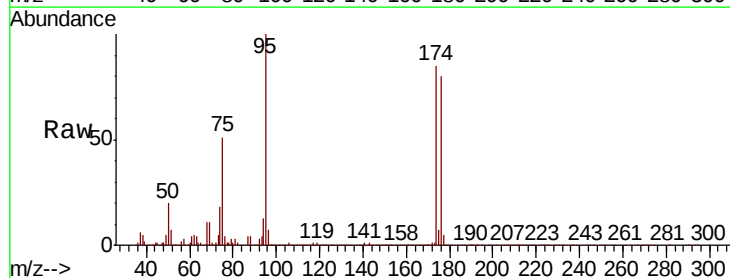
Instrument :
MSVOA_X
ClientSampleId :

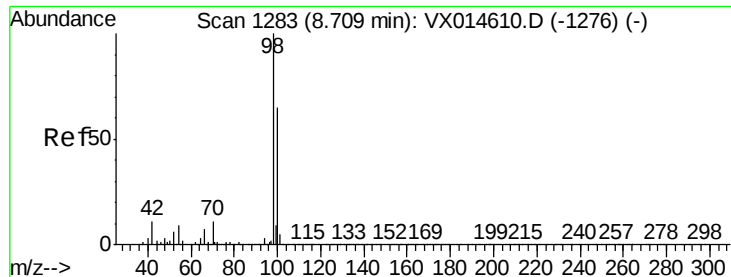
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.8	65.6
119	31.6	25.8	38.6



#60
4-Bromofluorobenzene
Concen: 26.411 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014816.D
Acq: 05 Feb 2020 12:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.0	70.2	105.2
176	89.2	68.3	102.5





#63

Toluene-d8

Concen: 29.694 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014816.D

Acq: 05 Feb 2020 12:49

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 98 Resp: 513714

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2

