

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121719\
 Data File : VX014070.D
 Acq On : 17 Dec 2019 23:58
 Operator : JC/SP
 Sample : VX1217WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1217WBL02

Quant Time: Dec 18 07:20:55 2019
 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	5.01	128	94444	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.85	114	527468	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	458702	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	204640	30.26	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.87%
60) 4-Bromofluorobenzene	11.14	95	199806	26.98	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.93%
63) Toluene-d8	8.71	98	630124	30.73	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.43%

Target Compounds

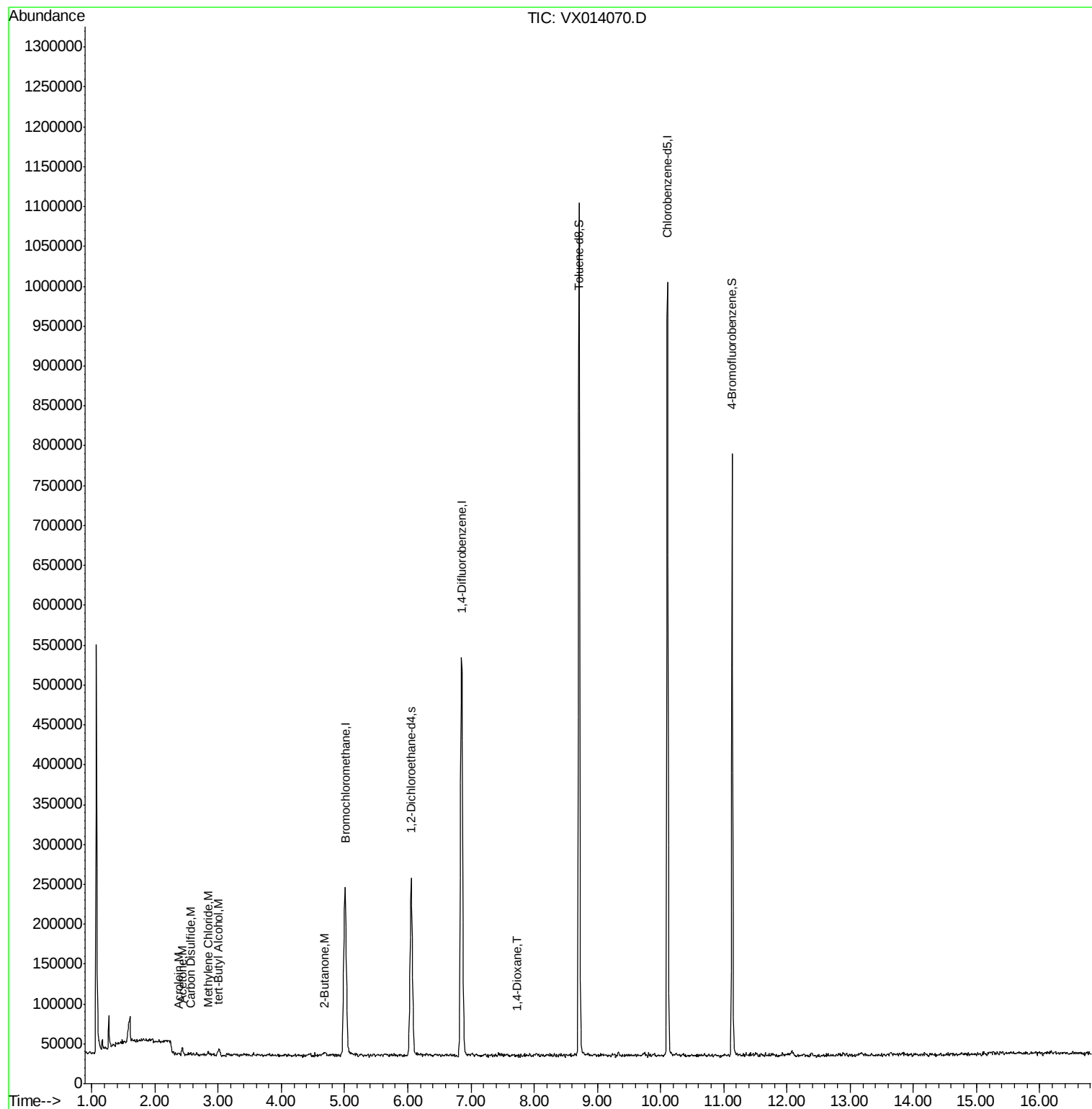
					Ovalue	
13) Acrolein	2.39	56	231	0.233	ug/l	93
15) Acetone	2.43	58	2821	3.000	ug/l	100
16) Carbon Disulfide	2.56	76	3145	0.220	ug/l #	73
18) Methylene Chloride	2.85	84	2644	0.408	ug/l #	62
23) tert-Butyl Alcohol	3.01	59	2161	1.721	ug/l #	92
30) 2-Butanone	4.68	43	1745	0.389	ug/l #	59
45) 1,4-Dioxane	7.73	88	121	0.895	ug/l #	23

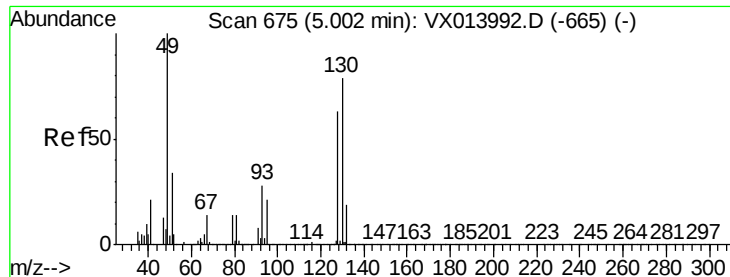
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 13 01:35:34 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX014070.D

Acq: 17 Dec 2019 23:58

Instrument :

MSVOA_X

ClientSampleId :

VX1217WBL02

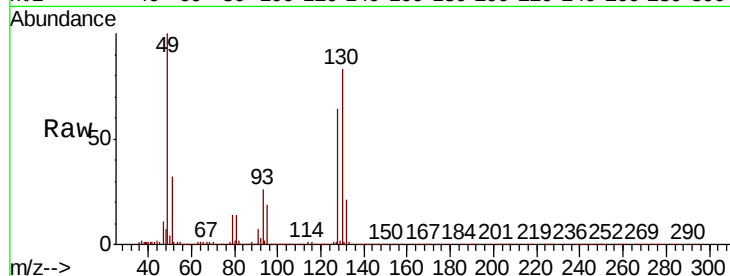
Tot Ion:128 Resp: 94444

Ion Ratio Lower Upper

128 100

49 163.5 0.0 405.0

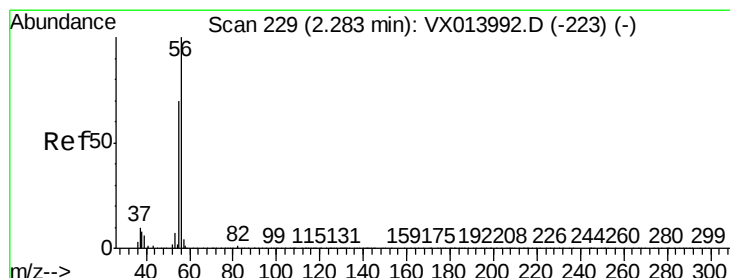
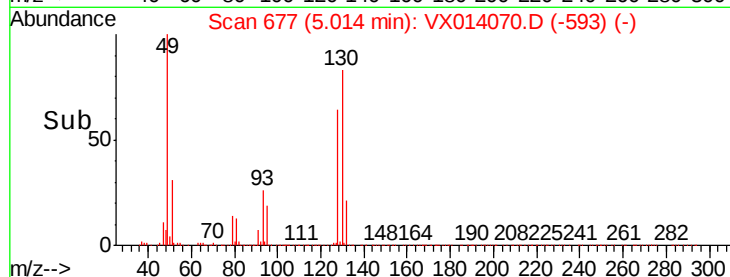
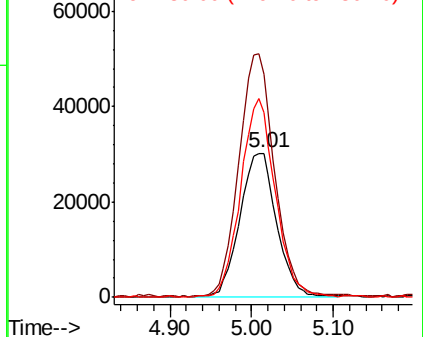
130 129.8 0.0 321.5



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



#13

Acrolein

Concen: 0.233 ug/l

RT: 2.39 min Scan# 246

Delta R.T. 0.10 min

Lab File: VX014070.D

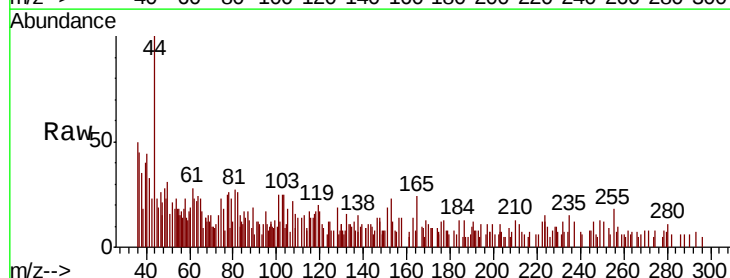
Acq: 17 Dec 2019 23:58

Tgt Ion: 56 Resp: 231

Ion Ratio Lower Upper

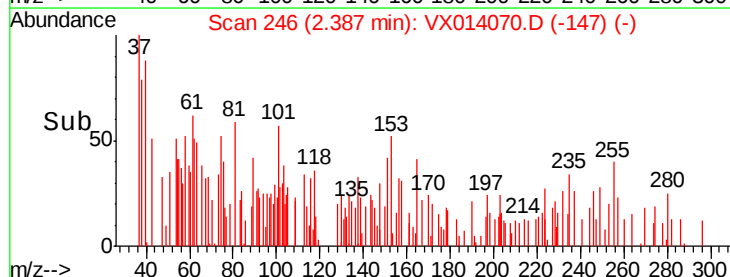
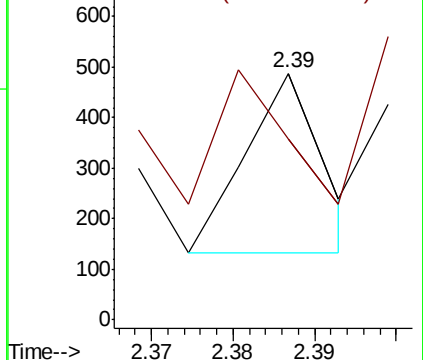
56 100

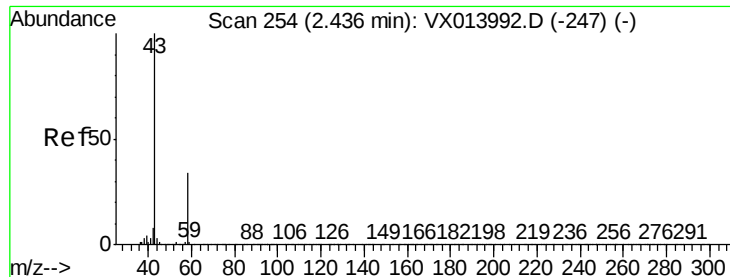
55 62.8 54.9 82.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

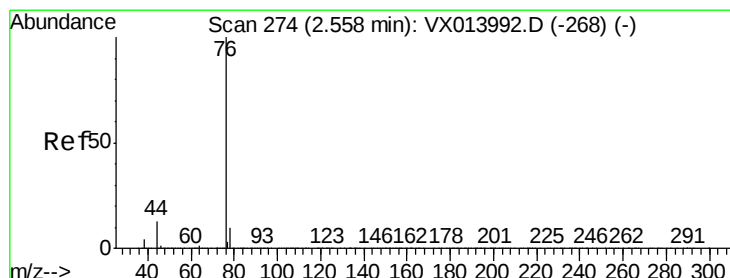
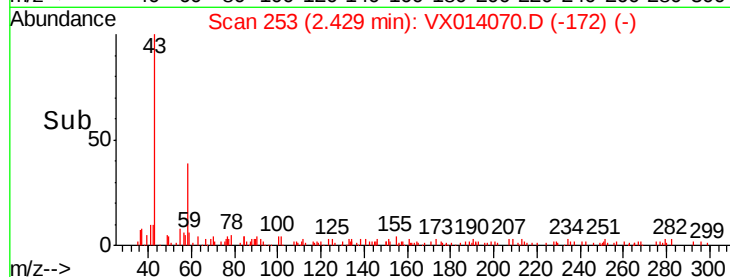
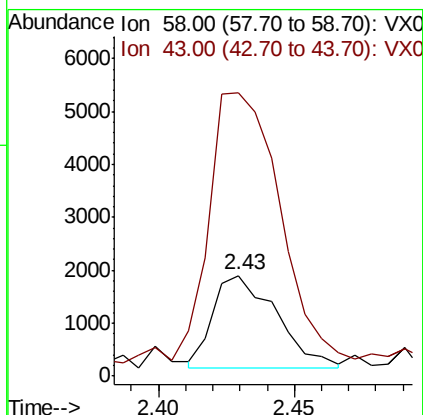
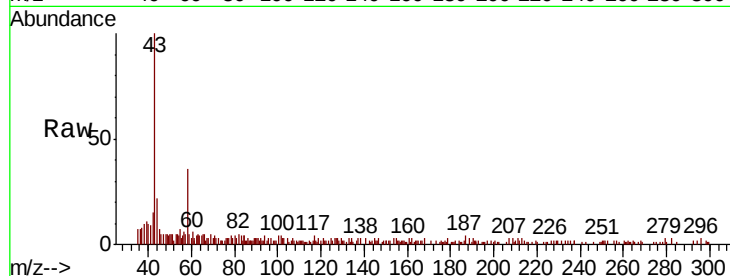




#15
Acetone
Concen: 3.000 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014070.D
Acq: 17 Dec 2019 23:58

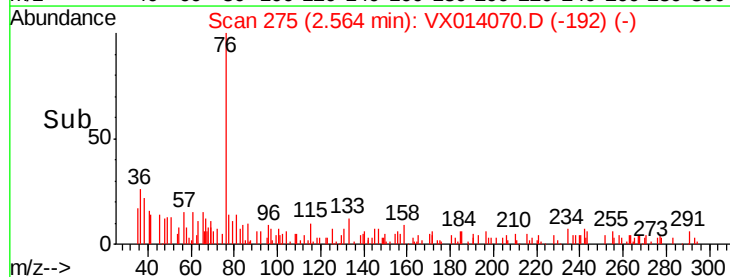
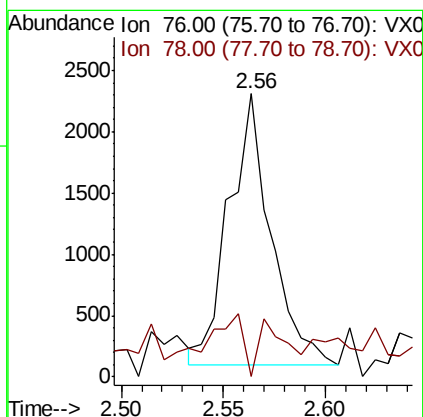
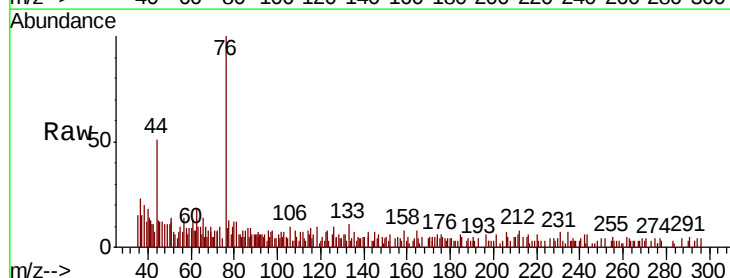
Instrument :
MSVOA_X
ClientSampleId :
VX1217WBL02

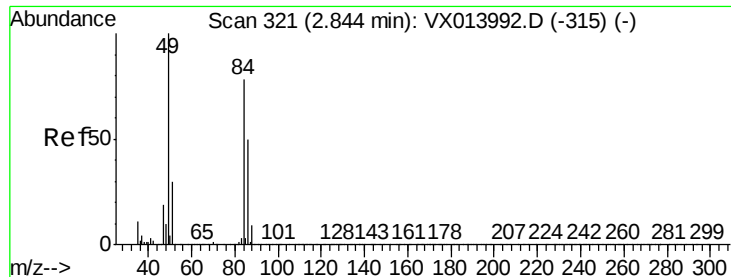
Tot Ion: 58 Resp: 2821
Ion Ratio Lower Upper
58 100
43 294.6 236.3 354.5



#16
Carbon Disulfide
Concen: 0.220 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX014070.D
Acq: 17 Dec 2019 23:58

Tgt Ion: 76 Resp: 3145
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#

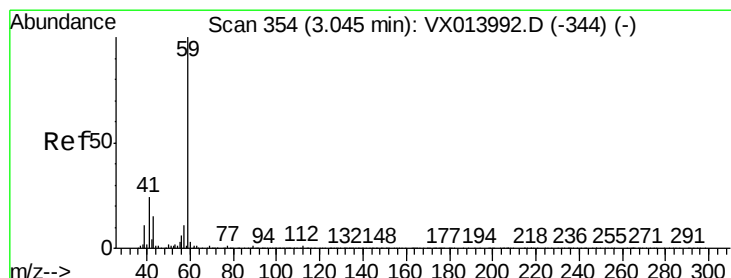
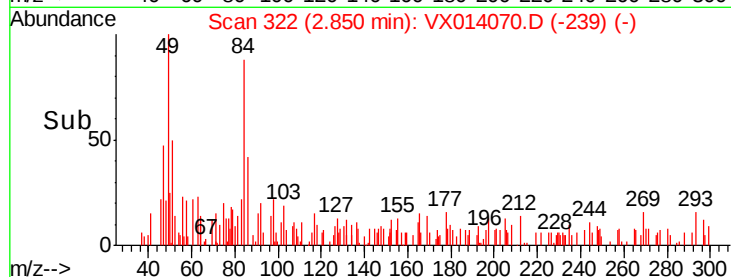
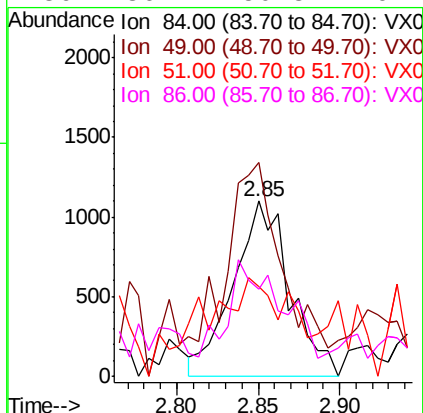
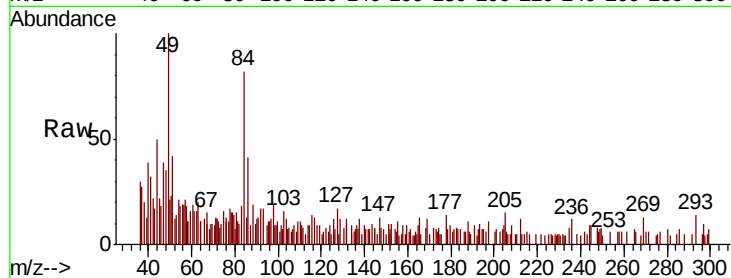




#18
Methvlene Chloride
Concen: 0.408 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX014070.D
Acq: 17 Dec 2019 23:58

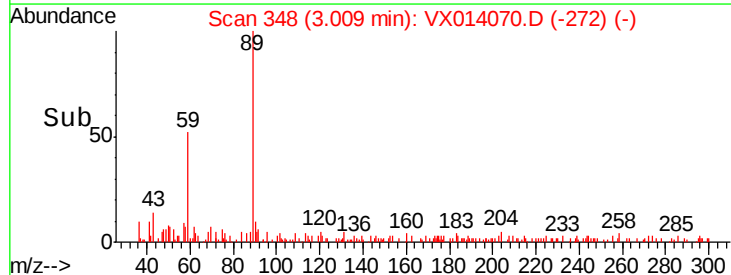
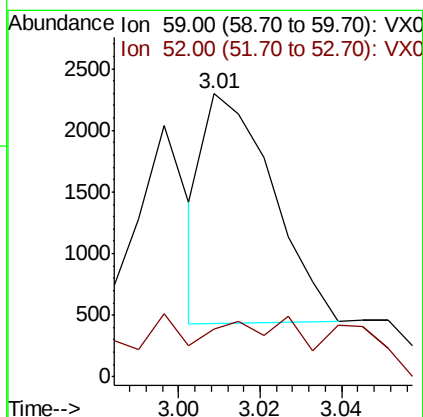
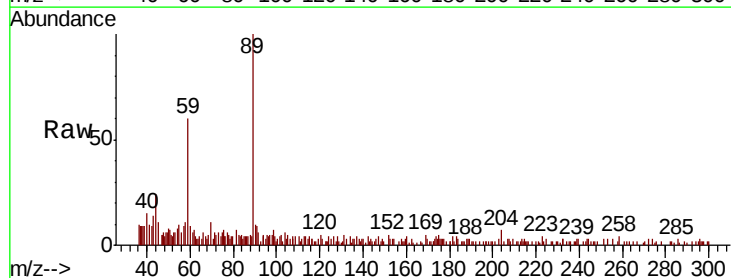
Instrument :
MSVOA_X
ClientSampleId :
VX1217WBL02

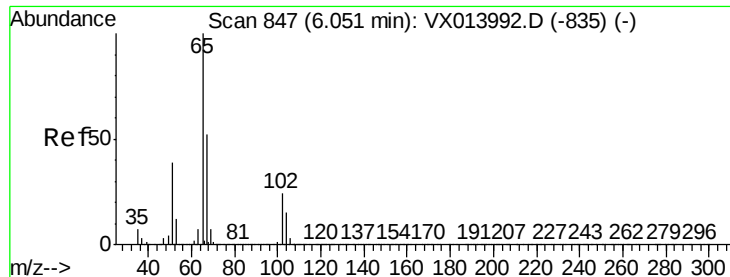
Tot Ion: 84 Resp: 2644
Ion Ratio Lower Upper
84 100
49 87.7 102.2 153.2#
51 8.2 31.4 47.0#
86 36.2 50.8 76.2#



#23
tert-Butyl Alcohol
Concen: 1.721 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.04 min
Lab File: VX014070.D
Acq: 17 Dec 2019 23:58

Tgt Ion: 59 Resp: 2161
Ion Ratio Lower Upper
59 100
52 11.0 0.2 0.2#





#27

1,2-Dichloroethane-d4

Concen: 30.255 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014070.D

Acq: 17 Dec 2019 23:58

Instrument :

MSVOA_X

ClientSampleId :

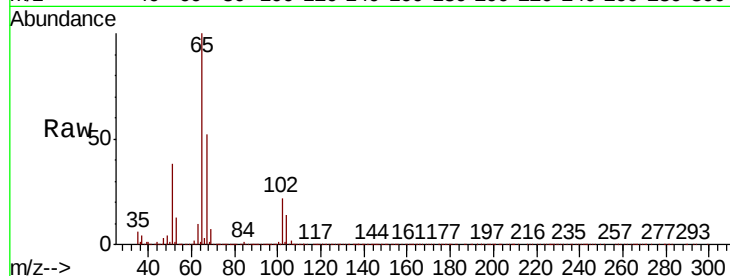
VX1217WBL02

Tot Ion: 65 Resp: 204640

Ion Ratio Lower Upper

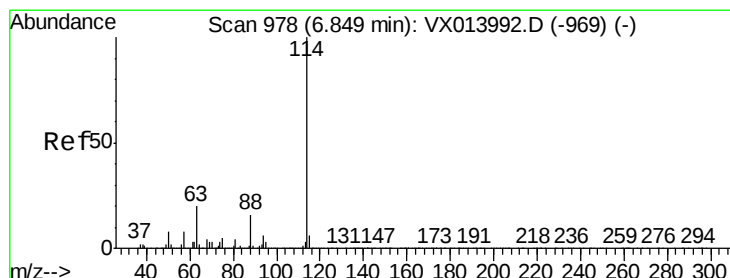
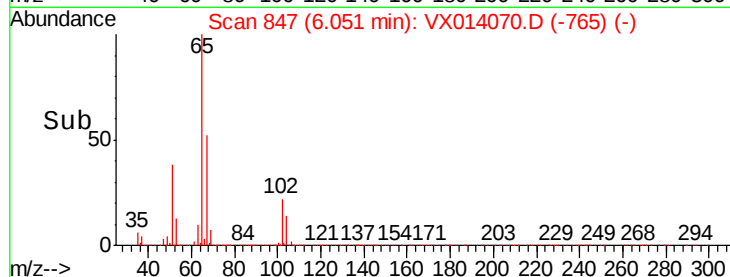
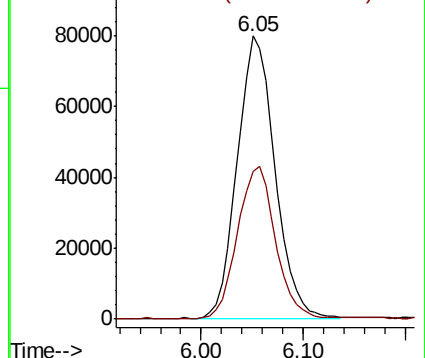
65 100

67 54.2 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: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014070.D

Acq: 17 Dec 2019 23:58

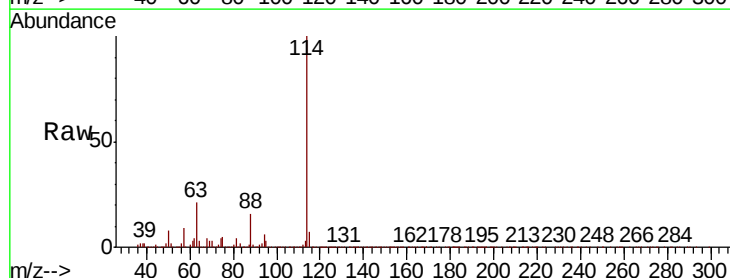
Tgt Ion: 114 Resp: 527468

Ion Ratio Lower Upper

114 100

63 20.3 16.1 24.1

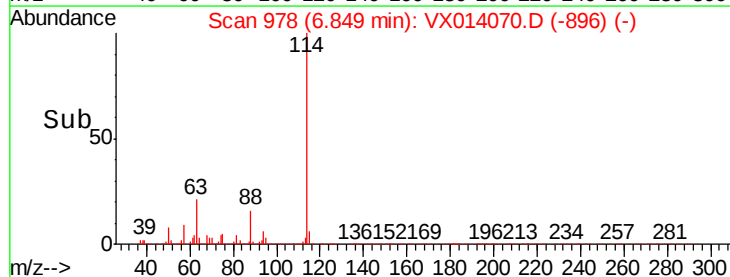
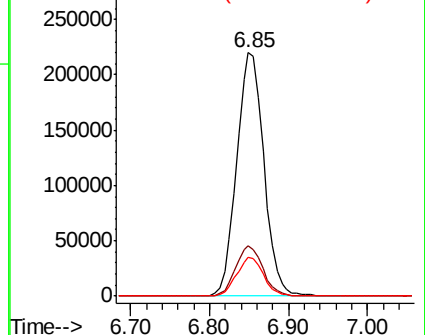
88 15.5 12.5 18.7

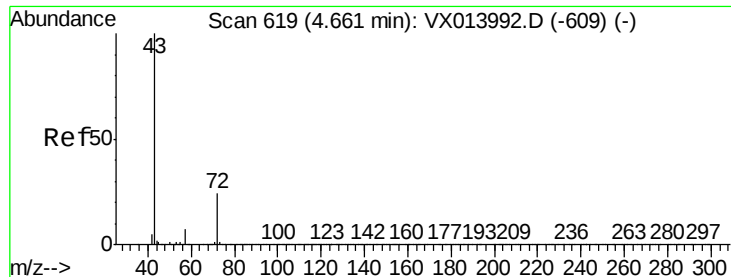


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

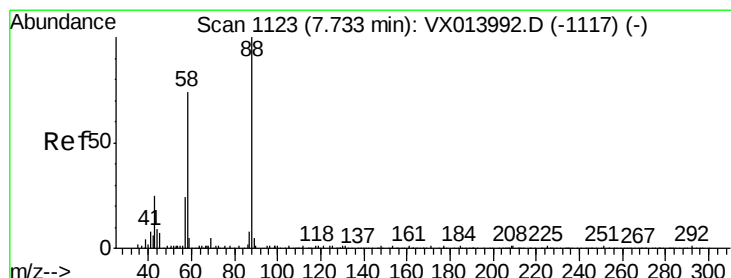
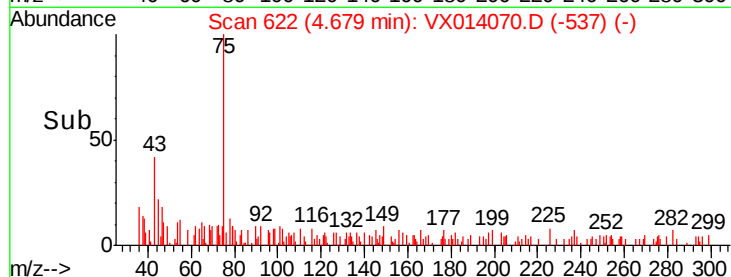
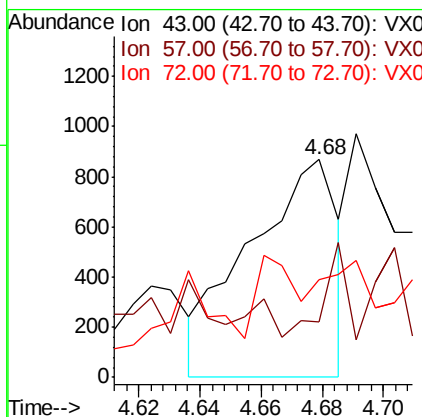
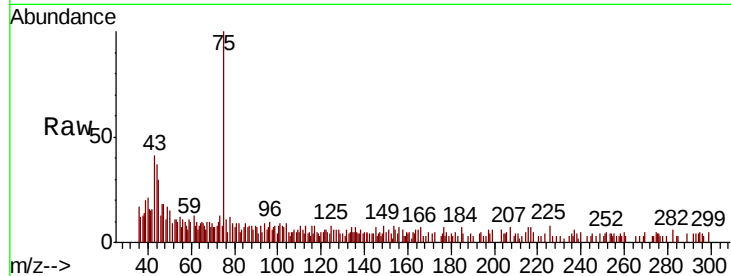




#30
2-Butanone
Concen: 0.389 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX014070.D
Acq: 17 Dec 2019 23:58

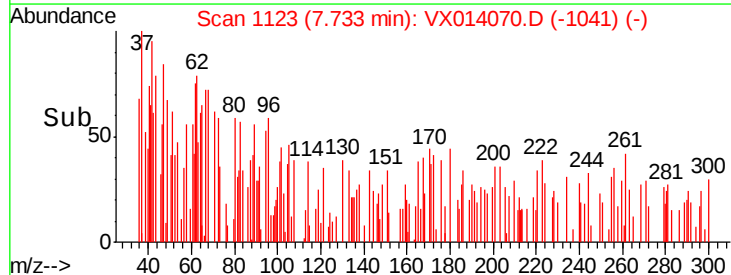
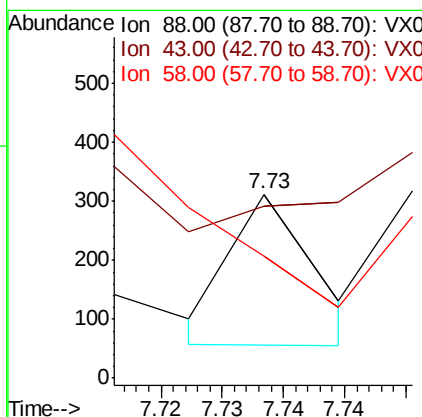
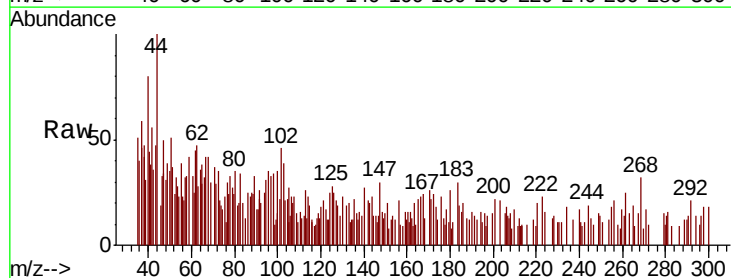
Instrument :
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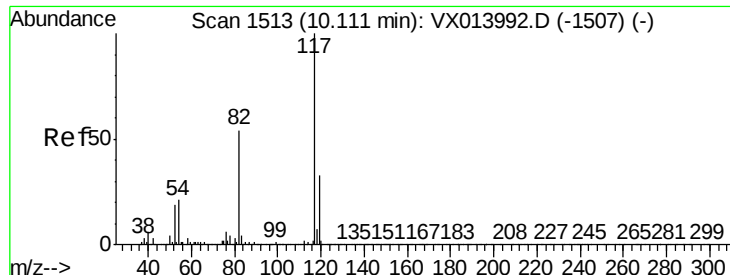
Tot Ion: 43 Resp: 1745
Ion Ratio Lower Upper
43 100
57 11.2 6.2 9.2#
72 0.0 20.3 30.5#



#45
1,4-Dioxane
Concen: 0.895 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX014070.D
Acq: 17 Dec 2019 23:58

Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 0.0 25.4 38.2#
58 0.0 56.5 84.7#

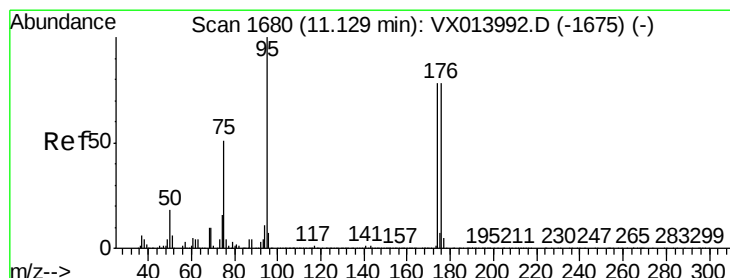
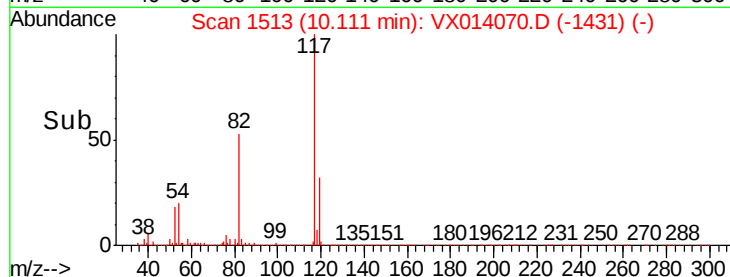
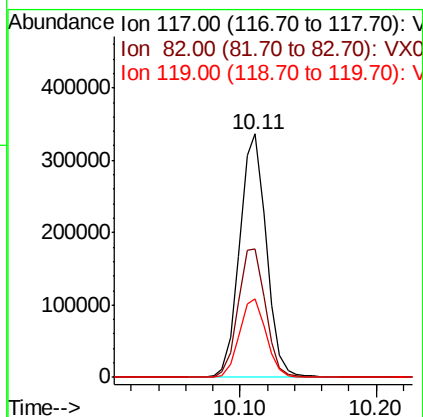
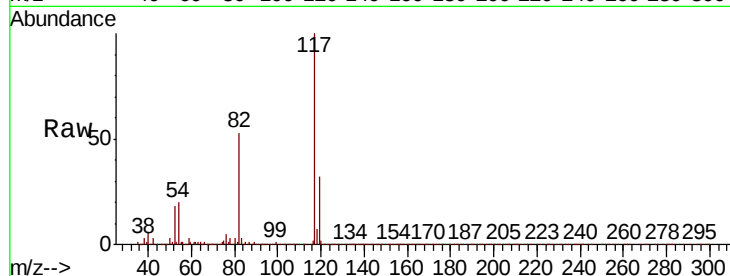




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014070.D
Acq: 17 Dec 2019 23:58

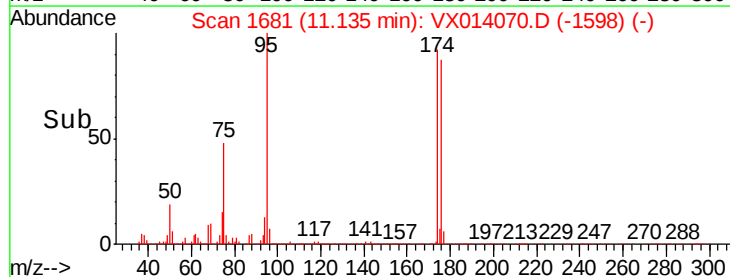
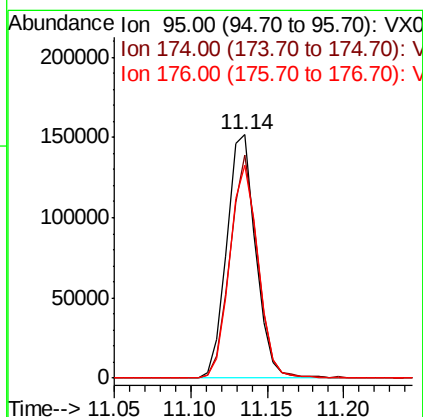
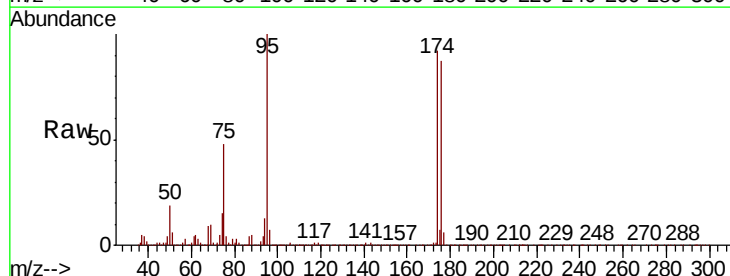
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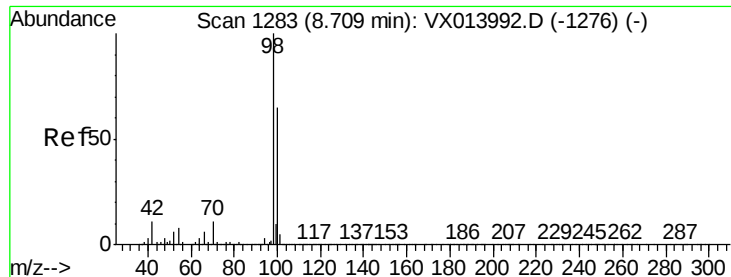
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.8	65.6
119	32.2	25.8	38.6



#60
4-Bromofluorobenzene
Concen: 26.975 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014070.D
Acq: 17 Dec 2019 23:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.1	70.2	105.2
176	84.9	68.3	102.5





#63

Toluene-d8

Concen: 30.733 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014070.D

Acq: 17 Dec 2019 23:58

Instrument :

MSVOA_X

ClientSampleId :

VX1217WBL02

Tot Ion: 98 Resp: 630124

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2

