

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010920\
 Data File : VX014491.D
 Acq On : 09 Jan 2020 12:06
 Operator : JC/SP
 Sample : L1041-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jan 09 14:36:32 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	81500	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	450959	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	395059	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	174613	29.92	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.73%
60) 4-Bromofluorobenzene	11.13	95	175291	27.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.60%
63) Toluene-d8	8.71	98	539541	30.55	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.83%

Target Compounds

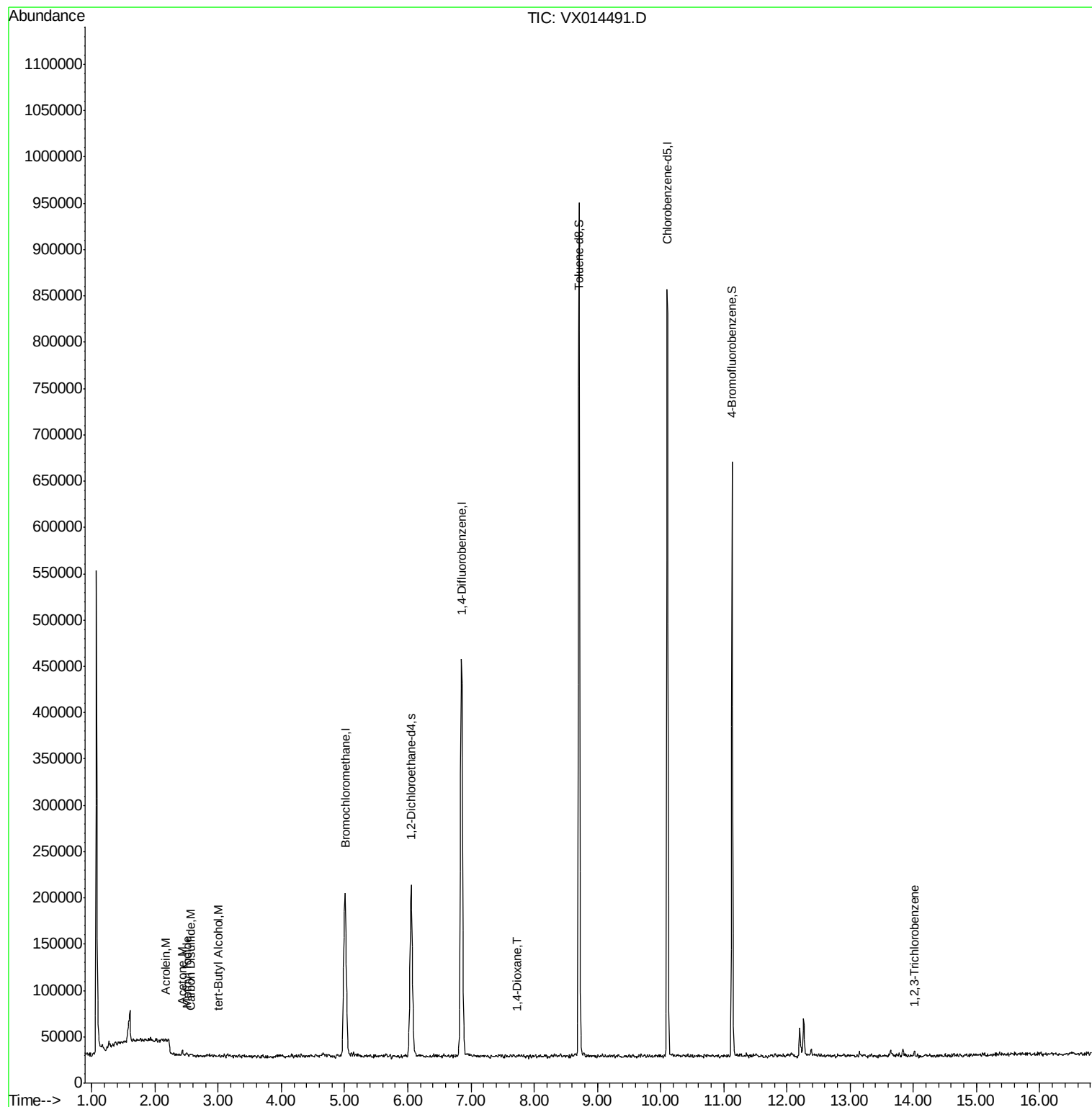
					Ovalue
11) Methyl Iodide	2.51	142	3027	0.515 ug/l	85
13) Acrolein	2.17	56	375	0.438 ug/l	92
15) Acetone	2.44	58	2151	2.651 ug/l	93
16) Carbon Disulfide	2.56	76	3280	0.265 ug/l #	84
23) tert-Butyl Alcohol	3.01	59	424	0.391 ug/l #	59
45) 1,4-Dioxane	7.73	88	211	1.826 ug/l #	1
92) 1,2,3-Trichlorobenzene	14.02	180	1451	0.210 ug/l	80

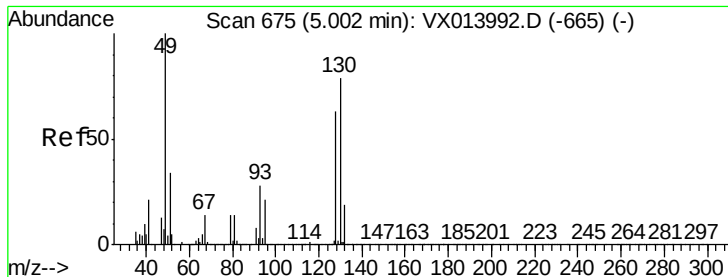
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 09 14:36:32 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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX014491.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

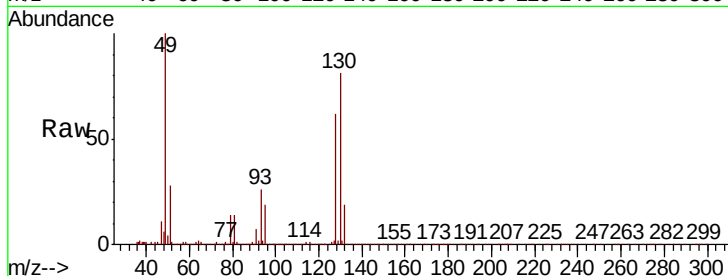
Tot Ion:128 Resp: 81500

Ion Ratio Lower Upper

128 100

49 156.4 0.0 405.0

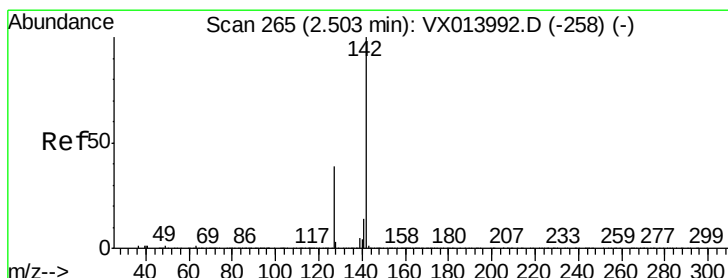
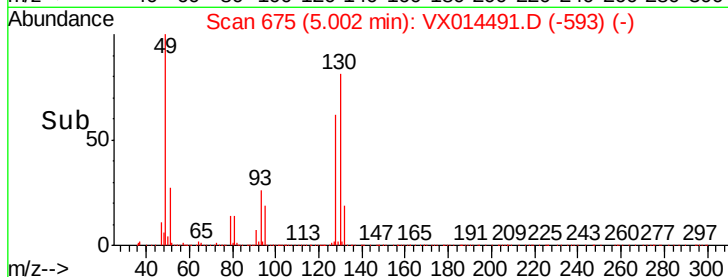
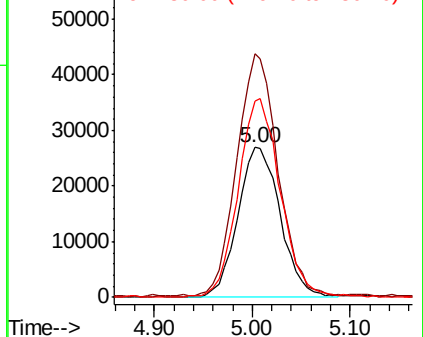
130 130.5 0.0 321.5



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: 0.515 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX014491.D

Acq: 09 Jan 2020 12:06

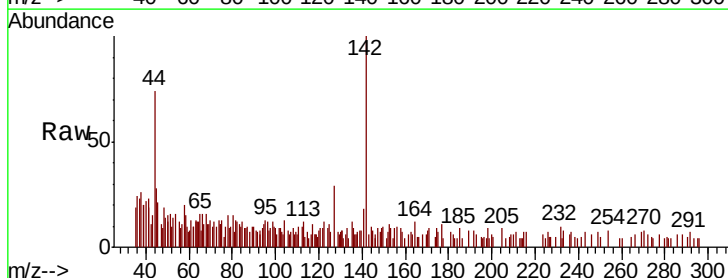
Tgt Ion:142 Resp: 3027

Ion Ratio Lower Upper

142 100

127 27.8 19.5 58.5

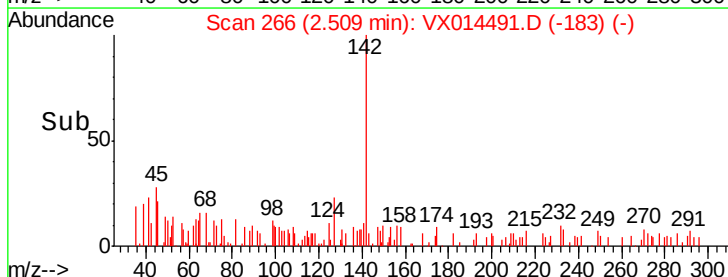
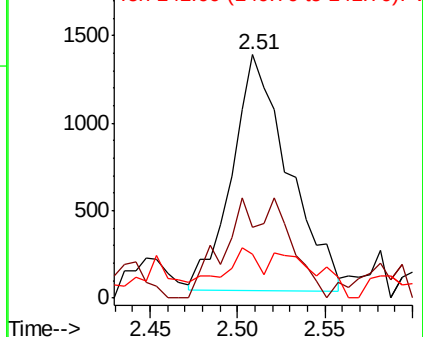
141 11.2 7.0 20.9

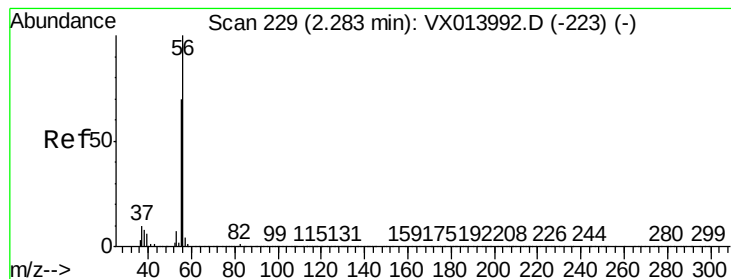


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#13

Acrolein

Concen: 0.438 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.11 min

Lab File: VX014491.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_X

ClientSampled :

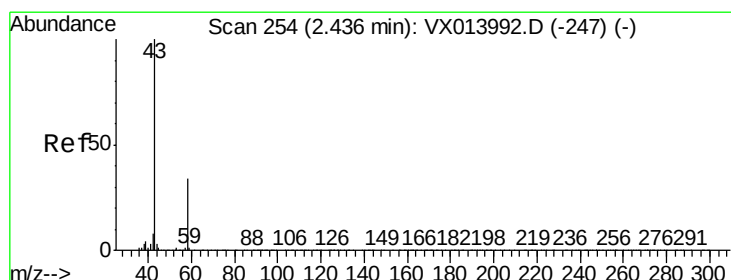
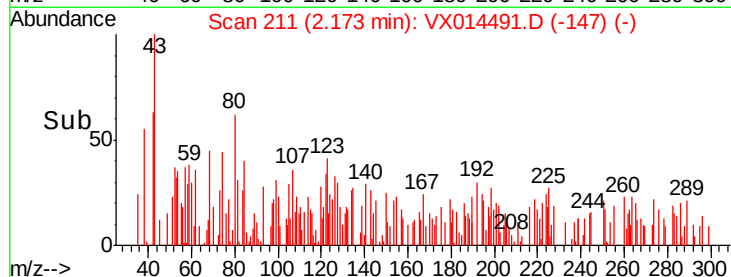
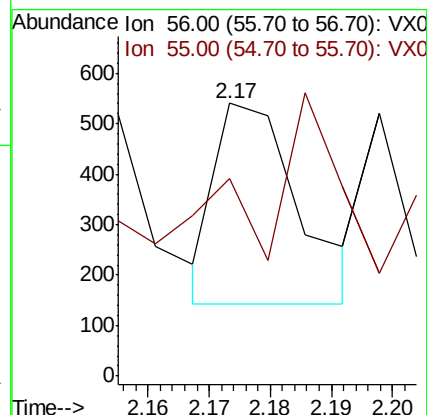
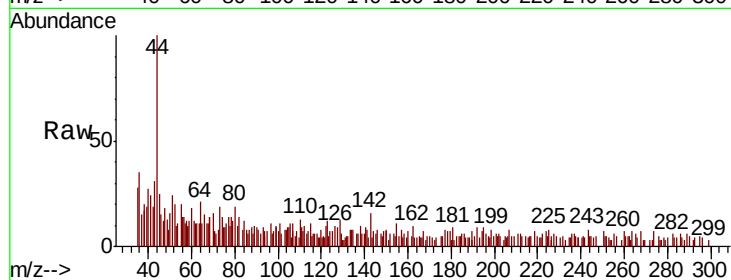
TRIP-BLANK

Tot Ion: 56 Resp: 375

Ion Ratio Lower Upper

56 100

55 62.4 54.9 82.3



#15

Acetone

Concen: 2.651 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX014491.D

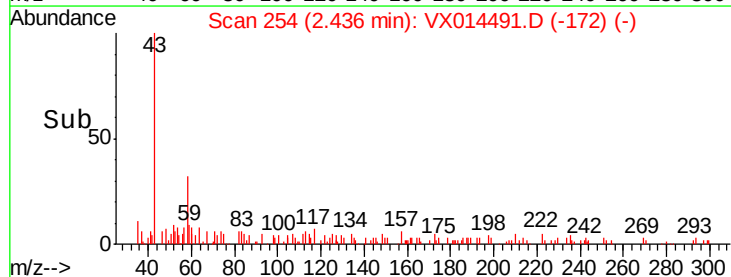
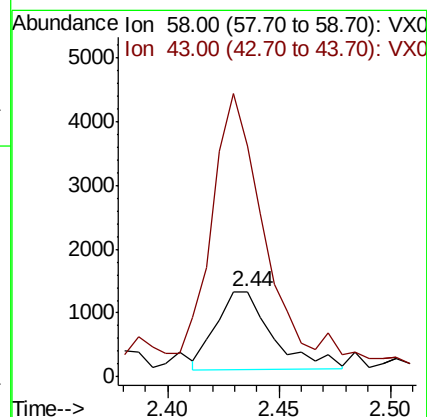
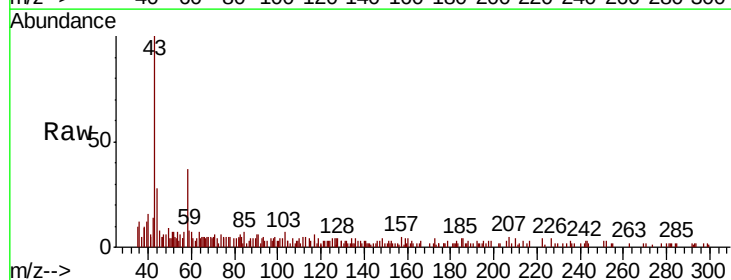
Acq: 09 Jan 2020 12:06

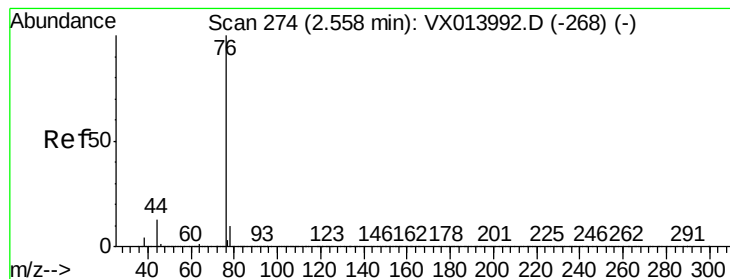
Tgt Ion: 58 Resp: 2151

Ion Ratio Lower Upper

58 100

43 282.1 236.3 354.5





#16

Carbon Disulfide

Concen: 0.265 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014491.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_X

ClientSampleId :

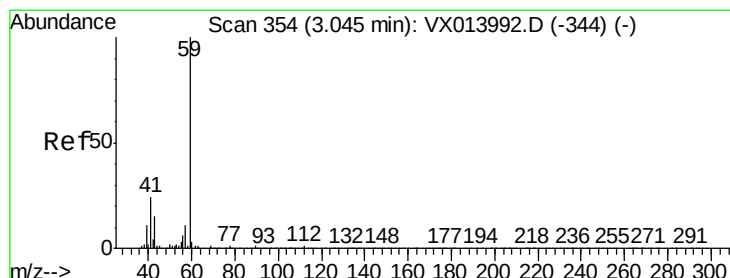
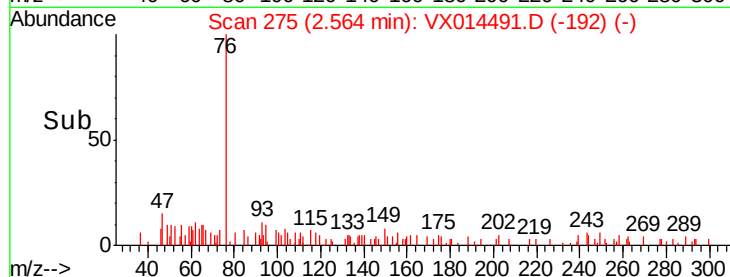
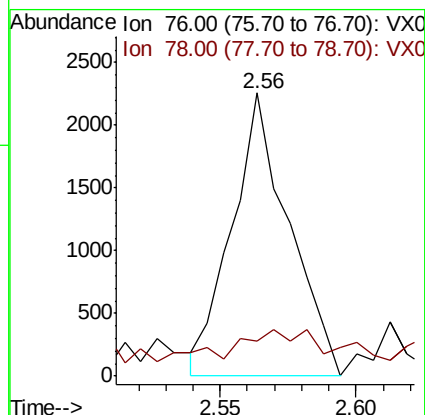
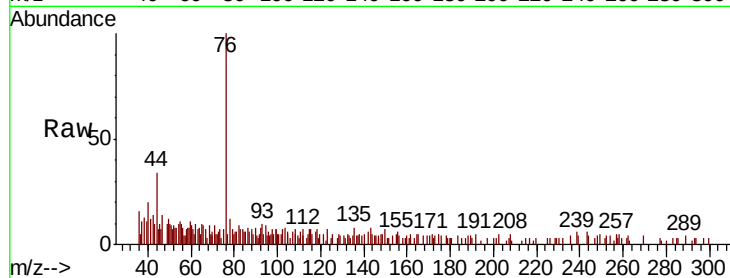
TRIP-BLANK

Tot Ion: 76 Resp: 3280

Ion Ratio Lower Upper

76 100

78 4.1 7.8 11.8#



#23

tert-Butyl Alcohol

Concen: 0.391 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.04 min

Lab File: VX014491.D

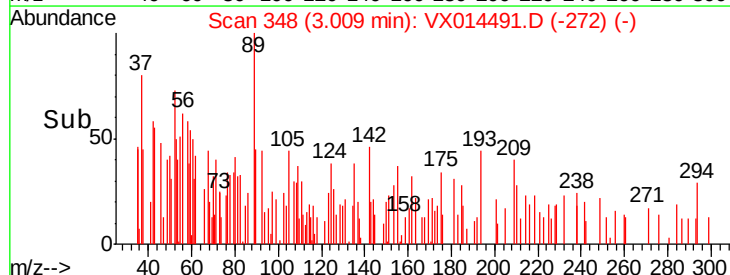
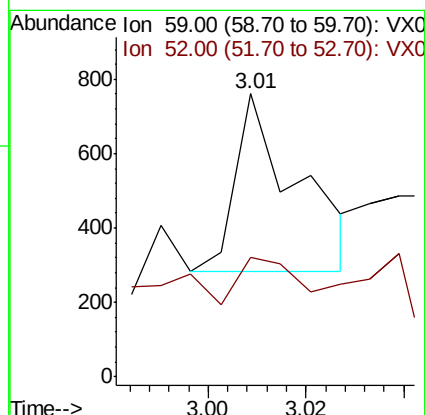
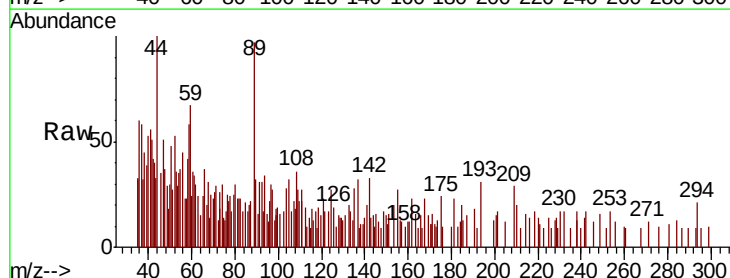
Acq: 09 Jan 2020 12:06

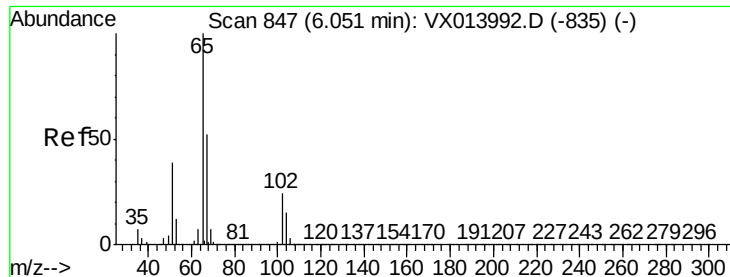
Tgt Ion: 59 Resp: 424

Ion Ratio Lower Upper

59 100

52 52.6 0.2 0.2#

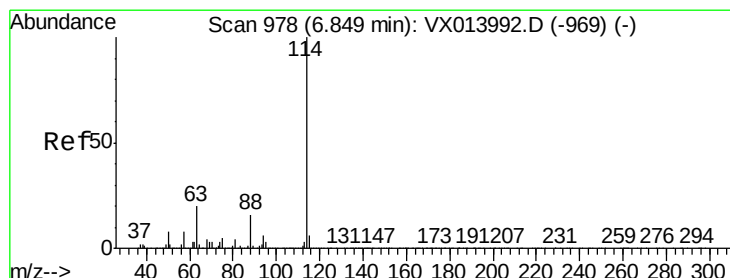
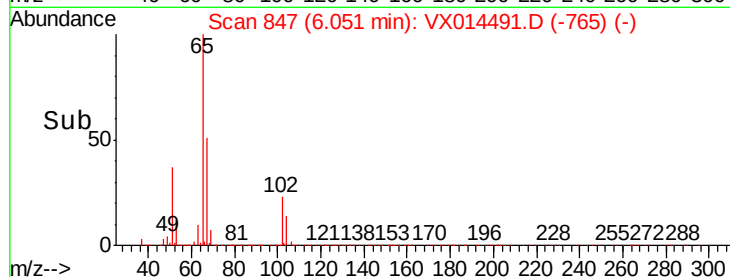
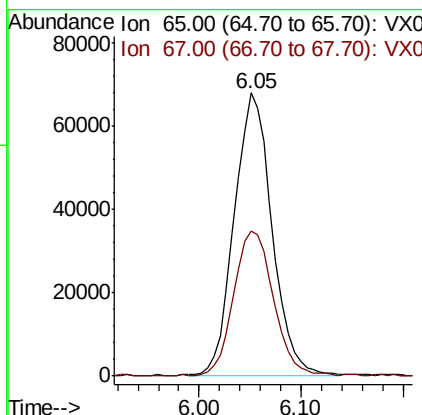
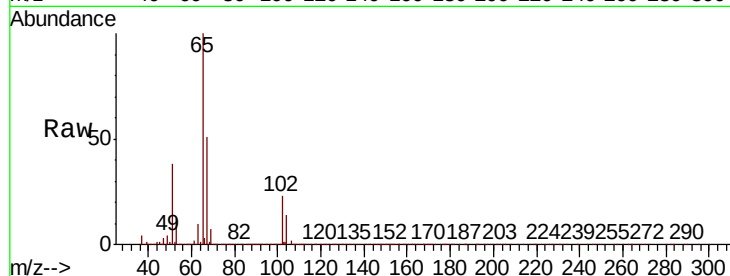




#27
 1,2-Dichloroethane-d4
 Concen: 29.916 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX014491.D
 Acq: 09 Jan 2020 12:06

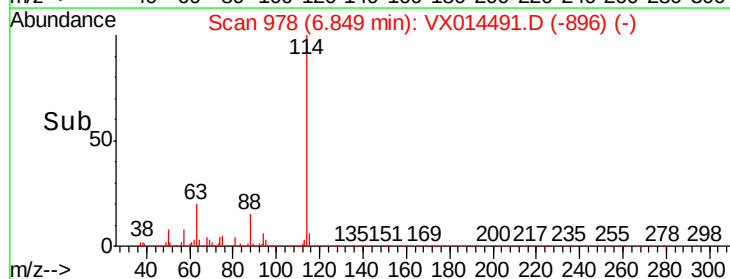
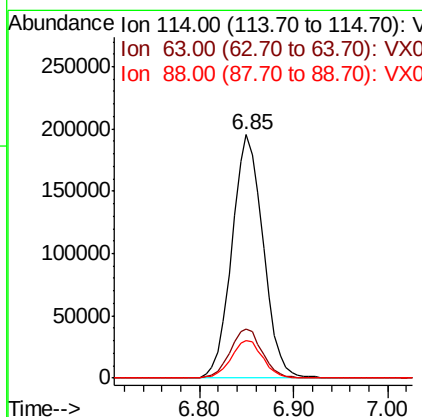
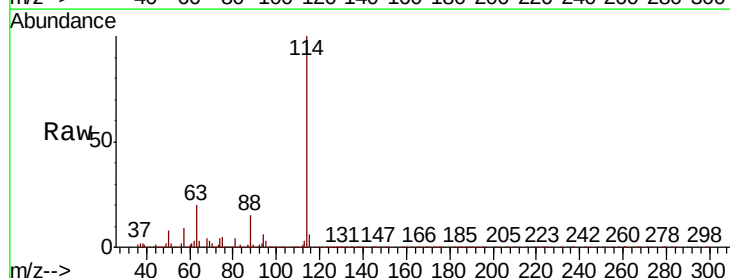
Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

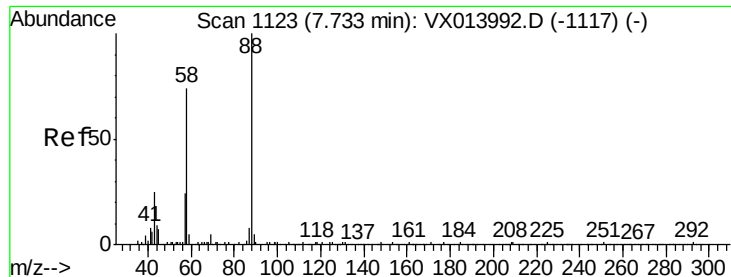
Tot Ion: 65 Resp: 174613
 Ion Ratio Lower Upper
 65 100
 67 53.4 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014491.D
 Acq: 09 Jan 2020 12:06

Tgt Ion: 114 Resp: 450959
 Ion Ratio Lower Upper
 114 100
 63 20.4 16.1 24.1
 88 15.5 12.5 18.7





#45

1,4-Dioxane

Concen: 1.826 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014491.D

Acq: 09 Jan 2020 12:06

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

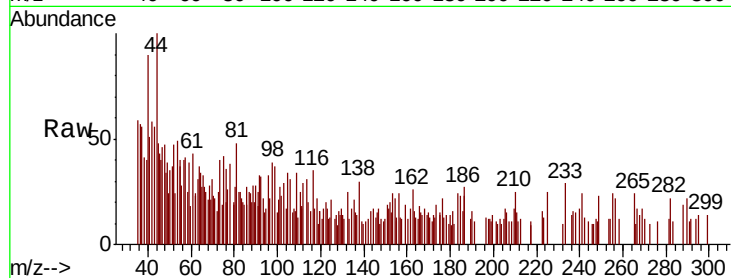
Tot Ion: 88 Resp: 211

Ion Ratio Lower Upper

88 100

43 115.2 25.4 38.2#

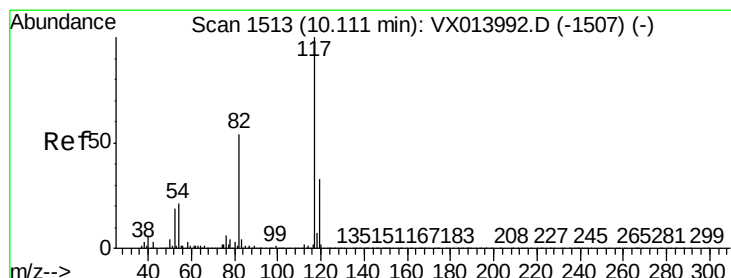
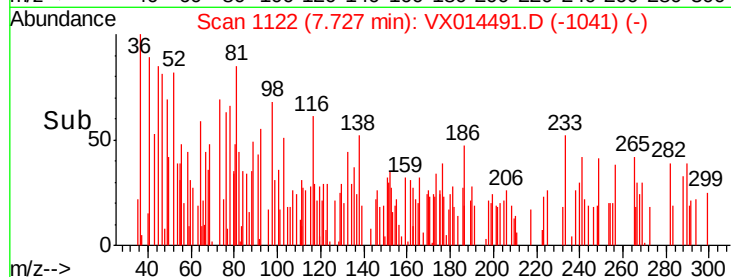
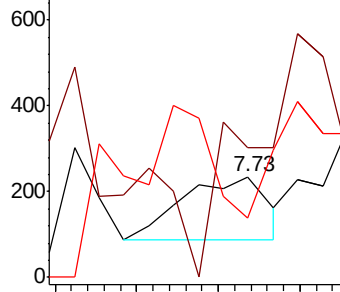
58 0.0 56.5 84.7#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX014491.D

Acq: 09 Jan 2020 12:06

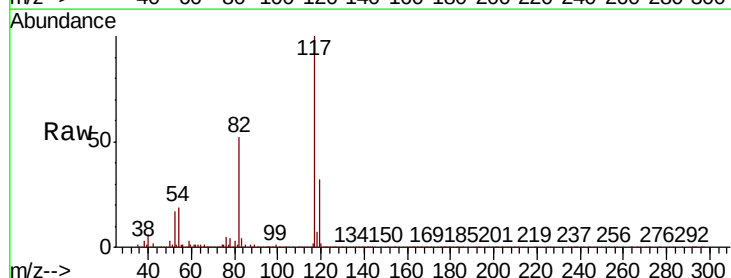
Tgt Ion: 117 Resp: 395059

Ion Ratio Lower Upper

117 100

82 54.3 43.8 65.6

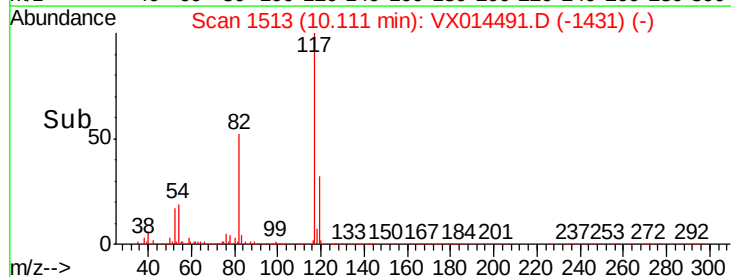
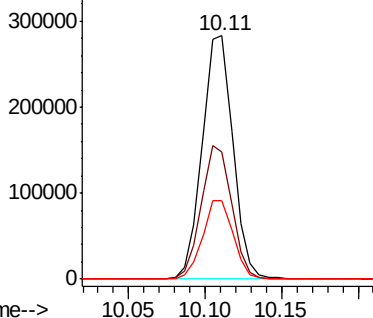
119 32.2 25.8 38.6

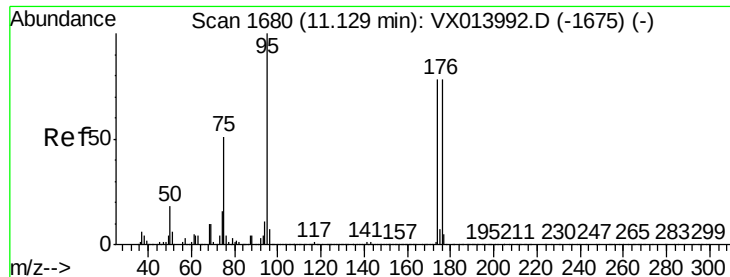


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

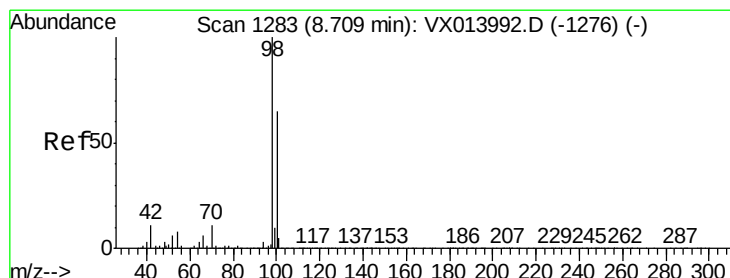
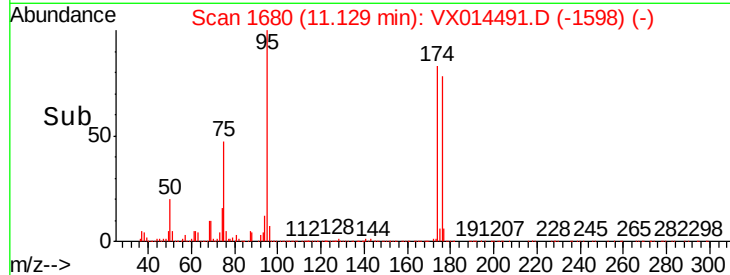
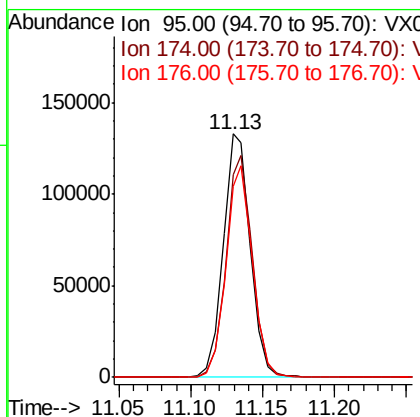
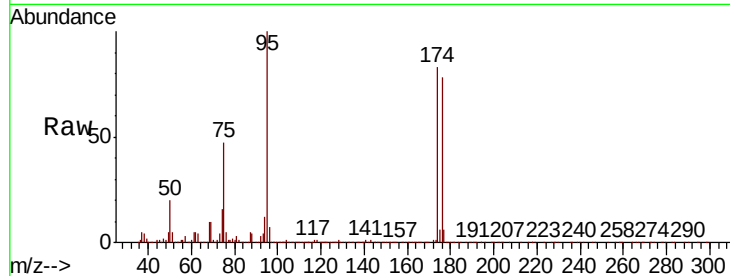




#60
4-Bromofluorobenzene
Concen: 27.478 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014491.D
Acq: 09 Jan 2020 12:06

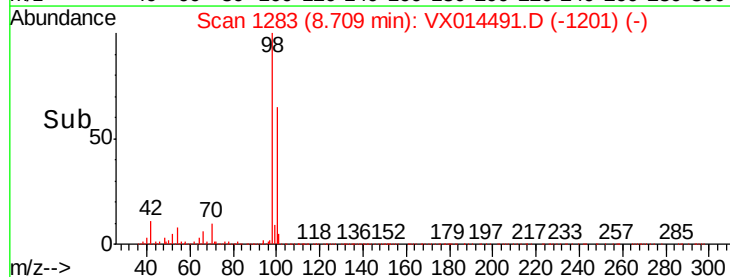
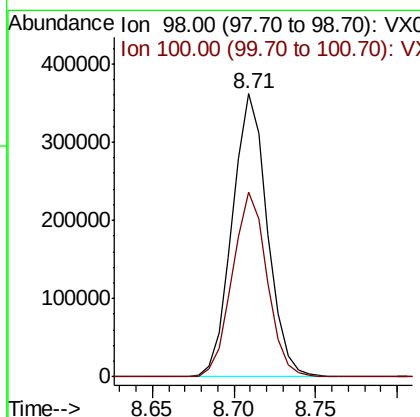
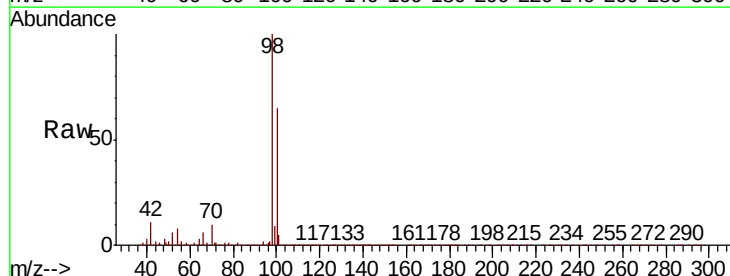
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

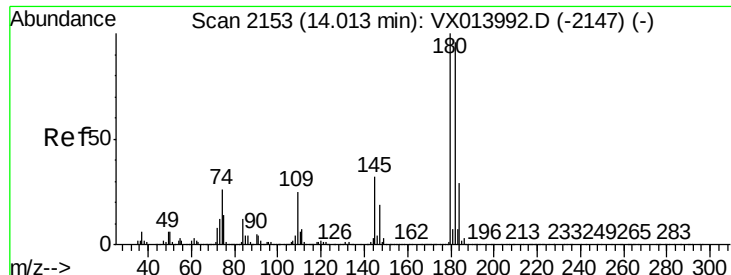
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.5	70.2	105.2
176	84.9	68.3	102.5



#63
Toluene-d8
Concen: 30.554 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014491.D
Acq: 09 Jan 2020 12:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.2

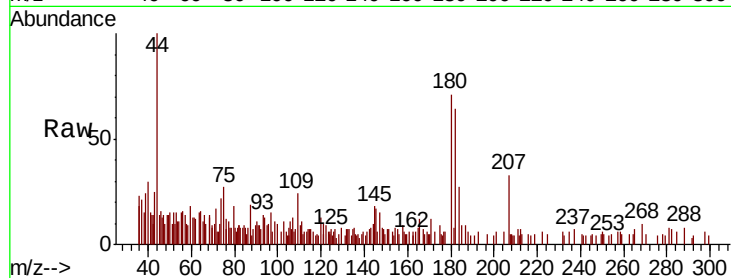




#92
 1,2,3-Trichlorobenzene
 Concen: 0.210 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX014491.D
 Acq: 09 Jan 2020 12:06

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Tot Ion	Ratio	Lower	Upper
180	100		
182	108.6	0.0	192.8
145	52.9	0.0	60.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

