

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042120\
 Data File : VX015818.D
 Acq On : 22 Apr 2020 01:19
 Operator : JC/SP
 Sample : L2123-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TR-05-042020

Quant Time: Apr 22 04:26:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	919689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1469153	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1446519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	794269	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	530994	40.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.88%	
35) Dibromofluoromethane	5.47	113	418058	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	
50) Toluene-d8	8.70	98	1774475	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	11.12	95	740197	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	

Target Compounds

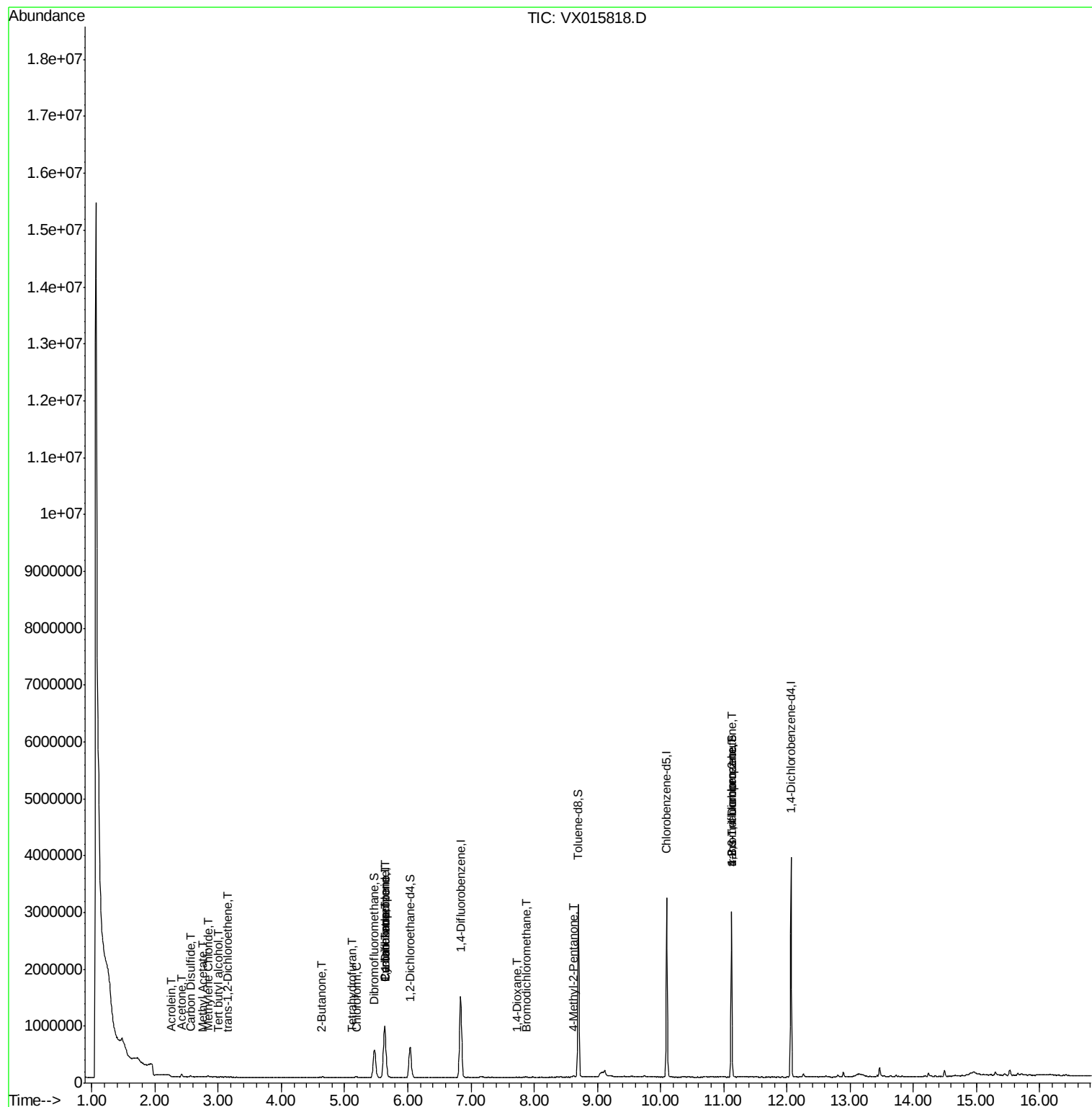
						Qvalue
5) Bromomethane	1.63	94	749	Below Cal	#	18
11) Tert butyl alcohol	3.00	59	1644	0.530	ug/l #	5
13) Acrolein	2.27	56	926	0.524	ug/l	87
16) Acetone	2.42	43	62991	11.303	ug/l #	89
17) Carbon Disulfide	2.56	76	30542	1.153	ug/l	100
18) Methyl Acetate	2.76	43	9136	0.642	ug/l	99
20) Methylene Chloride	2.84	84	13373	1.285	ug/l	84
21) trans-1,2-Dichloroethene	3.16	96	1950	0.202	ug/l #	9
25) 2-Butanone	4.64	43	11664	1.301	ug/l #	84
29) Tetrahydrofuran	5.11	42	7274	1.263	ug/l #	88
30) Chloroform	5.19	83	14191	0.779	ug/l #	83
31) Cyclohexane	5.63	56	16686	1.016	ug/l #	10
36) 1,1-Dichloropropene	5.64	75	60656	4.481	ug/l #	53
38) Carbon Tetrachloride	5.64	117	85576	5.837	ug/l #	14
47) Bromodichloromethane	7.89	83	4182	0.276	ug/l #	89
49) 1,4-Dioxane	7.73	88	3387	12.217	ug/l #	20
51) 4-Methyl-2-Pentanone	8.62	43	13607	0.807	ug/l	88
76) 1,2,3-Trichloropropane	11.12	75	360763	22.087	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	360763	52.997	ug/l #	10

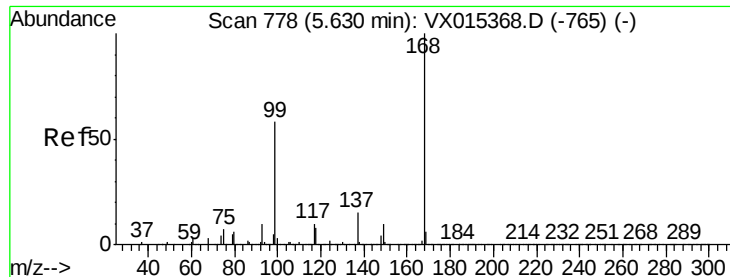
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015818.D

Acq: 22 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampleId :

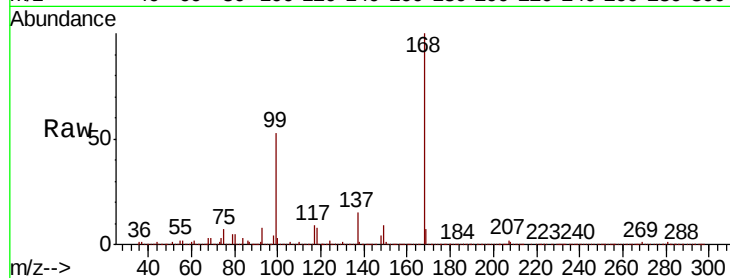
TR-05-042020

Tot Ion:168 Resp: 919689

Ion Ratio Lower Upper

168 100

99 52.7 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

300000

200000

100000

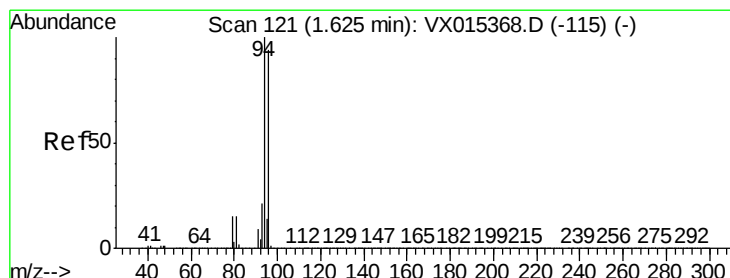
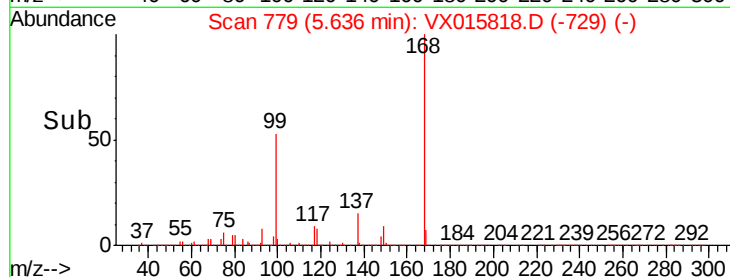
0

Time-->

5.50

5.60

5.70



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015818.D

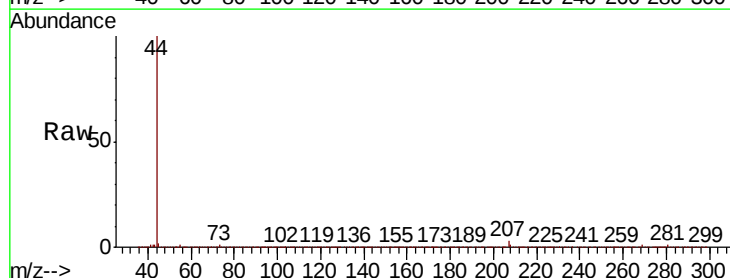
Acq: 22 Apr 2020 01:19

Tgt Ion: 94 Resp: 749

Ion Ratio Lower Upper

94 100

96 172.3 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

2500

2000

1500

1000

500

0

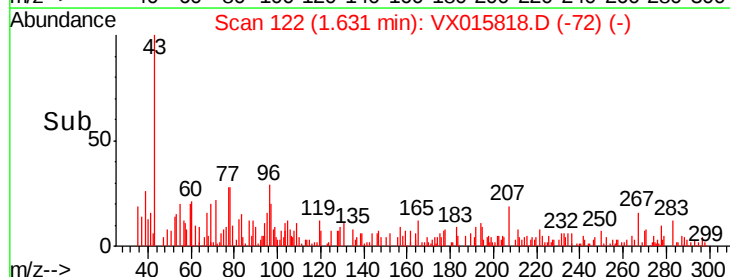
Time-->

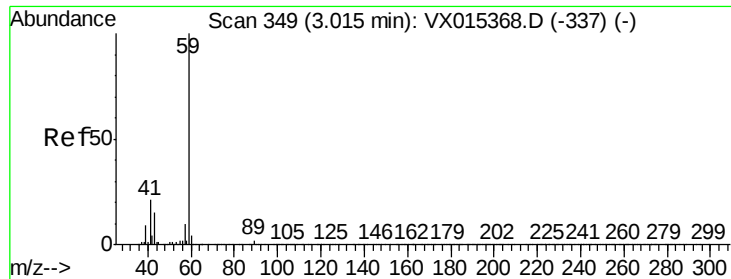
1.60

1.62

1.64

1.66

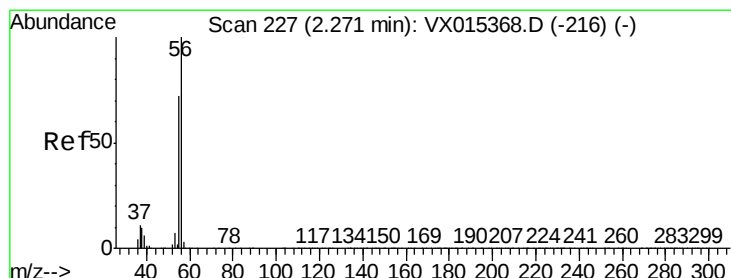
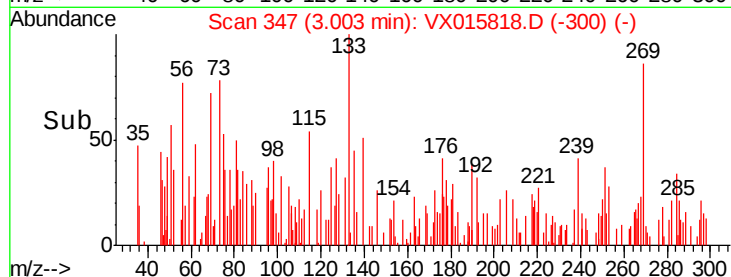
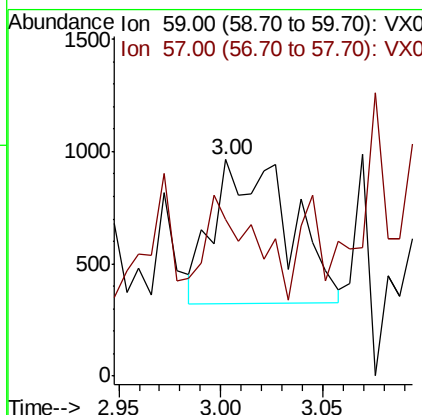
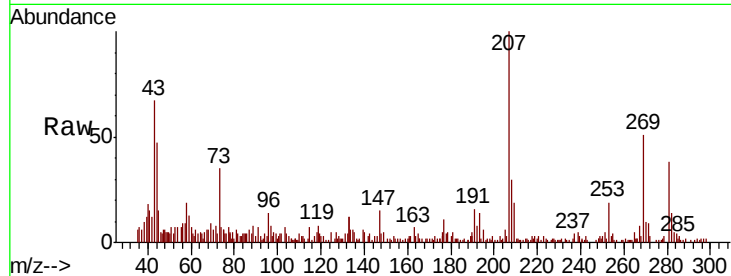




#11
Tert butyl alcohol
Concen: 0.530 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.01 min
Lab File: VX015818.D
Acq: 22 Apr 2020 01:19

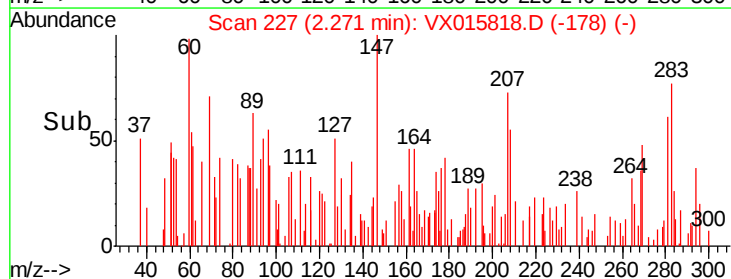
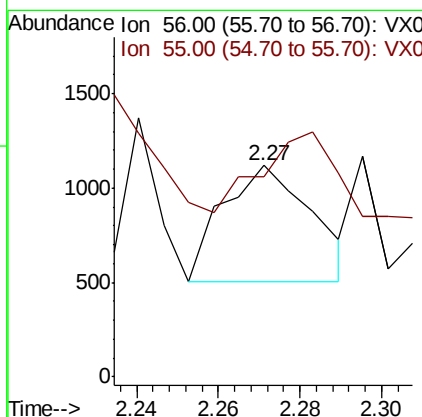
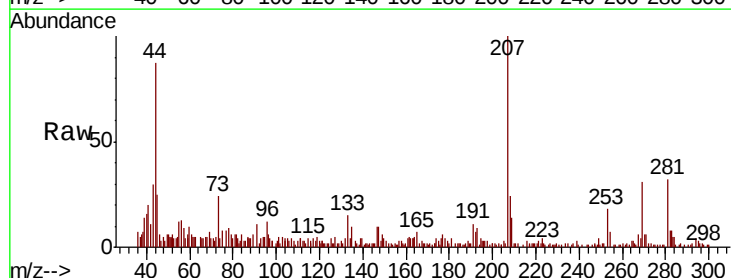
Instrument :
MSVOA_X
ClientSampled :
TR-05-042020

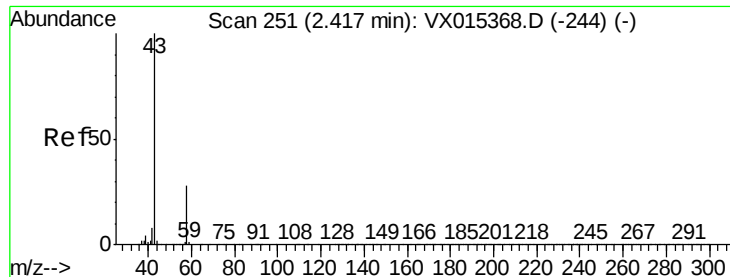
Tot Ion: 59 Resp: 1644
Ion Ratio Lower Upper
59 100
57 45.4 8.1 12.1#



#13
Acrolein
Concen: 0.524 ug/l
RT: 2.27 min Scan# 227
Delta R.T. 0.00 min
Lab File: VX015818.D
Acq: 22 Apr 2020 01:19

Tgt Ion: 56 Resp: 926
Ion Ratio Lower Upper
56 100
55 60.3 57.0 85.4





#16

Acetone

Concen: 11.303 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015818.D

Acq: 22 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampleId :

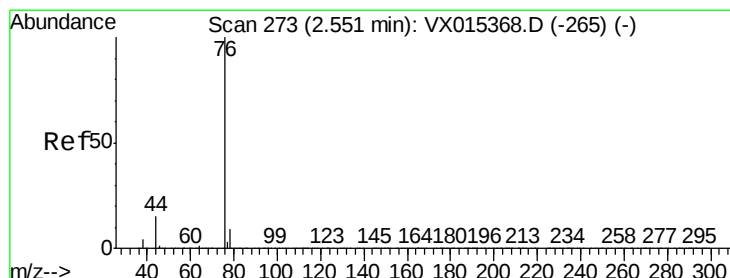
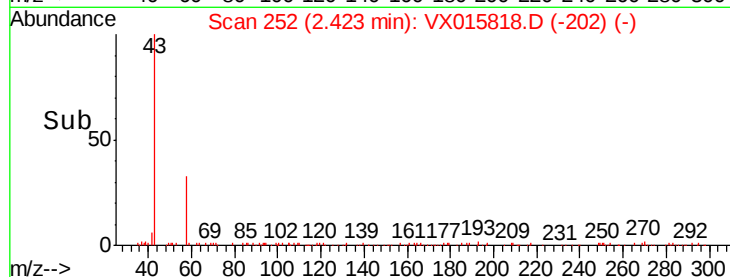
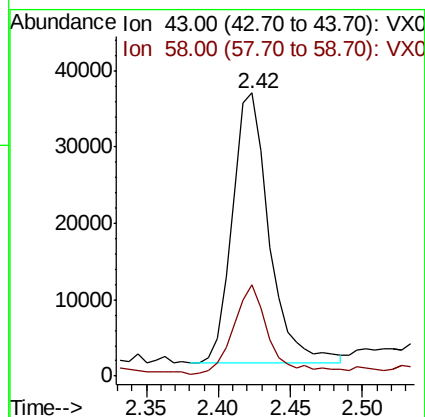
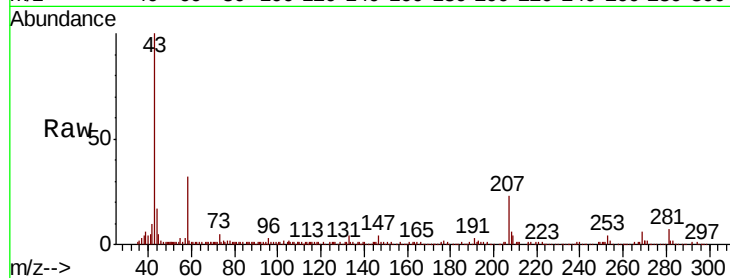
TR-05-042020

Tot Ion: 43 Resp: 62991

Ion Ratio Lower Upper

43 100

58 33.5 22.1 33.1#



#17

Carbon Disulfide

Concen: 1.153 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015818.D

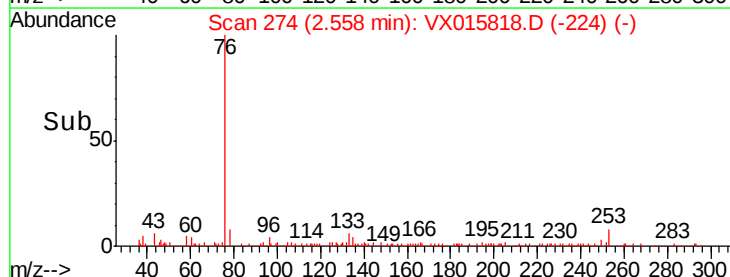
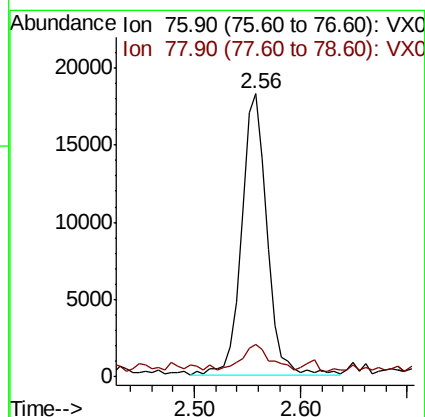
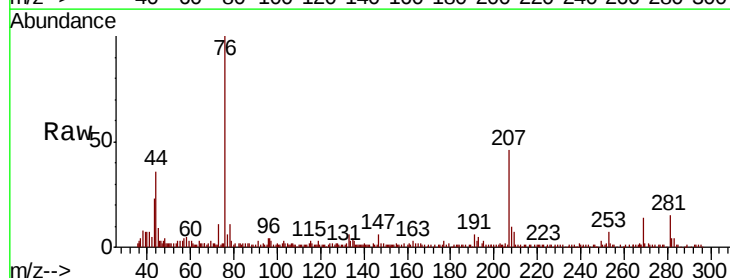
Acq: 22 Apr 2020 01:19

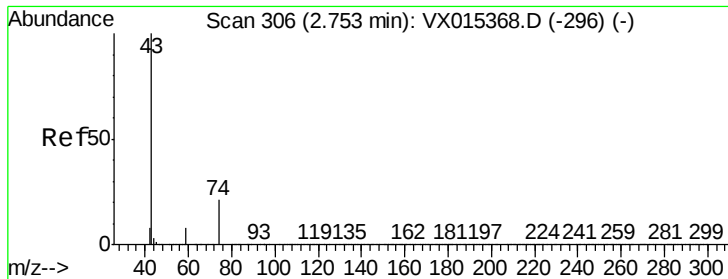
Tgt Ion: 76 Resp: 30542

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7

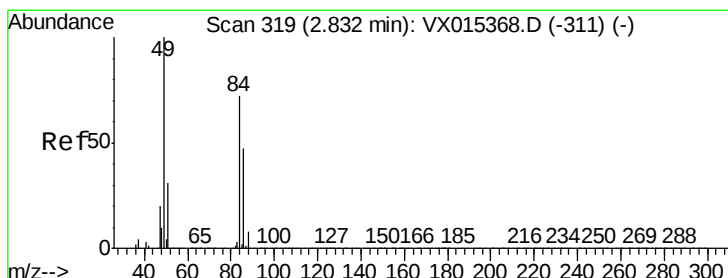
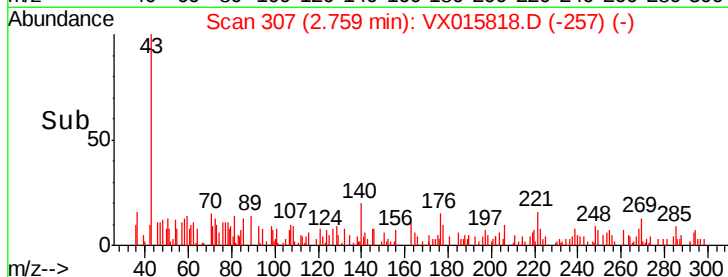
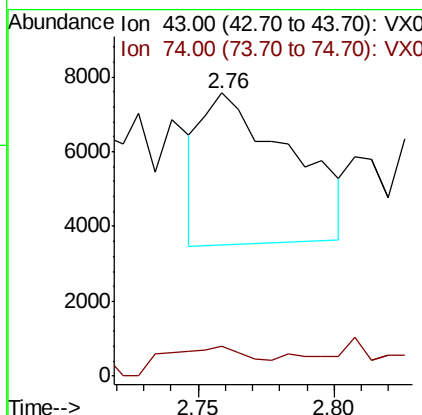
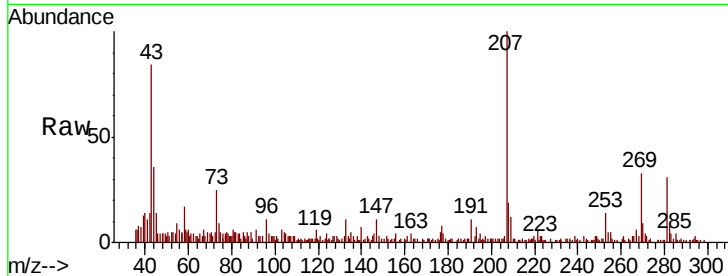




#18
Methyl Acetate
Concen: 0.642 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.01 min
Lab File: VX015818.D
Acq: 22 Apr 2020 01:19

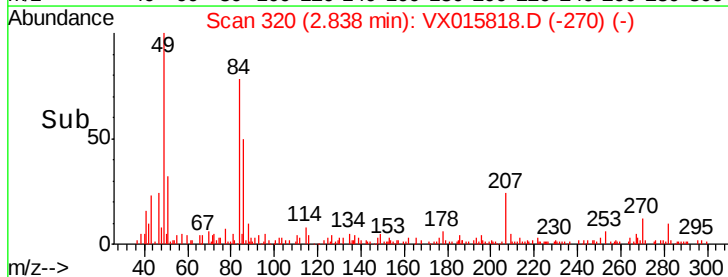
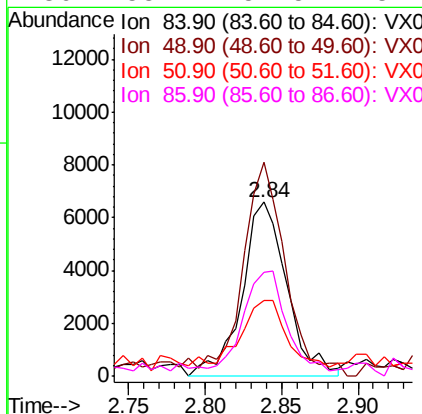
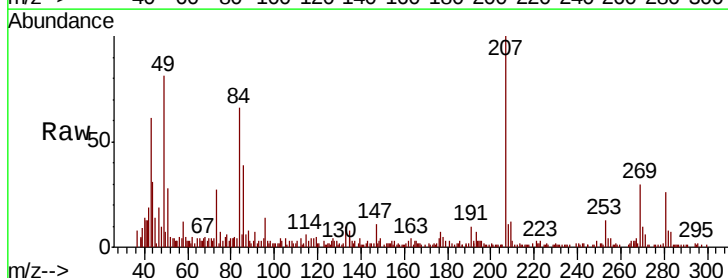
Instrument :
MSVOA_X
ClientSampleId :
TR-05-042020

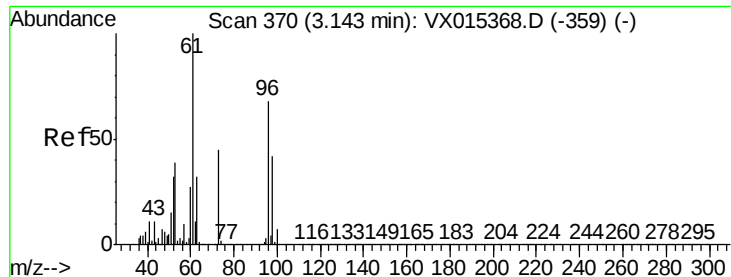
Tot Ion: 43 Resp: 9136
Ion Ratio Lower Upper
43 100
74 19.9 16.5 24.7



#20
Methylene Chloride
Concen: 1.285 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015818.D
Acq: 22 Apr 2020 01:19

Tgt Ion: 84 Resp: 13373
Ion Ratio Lower Upper
84 100
49 115.5 111.3 166.9
51 37.2 34.0 51.0
86 55.7 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 0.202 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX015818.D

Acq: 22 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampleId :

TR-05-042020

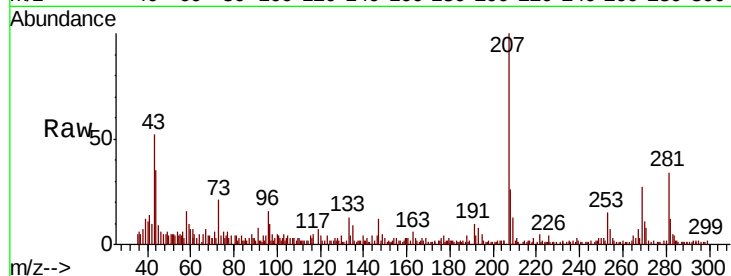
Tot Ion: 96 Resp: 1950

Ion Ratio Lower Upper

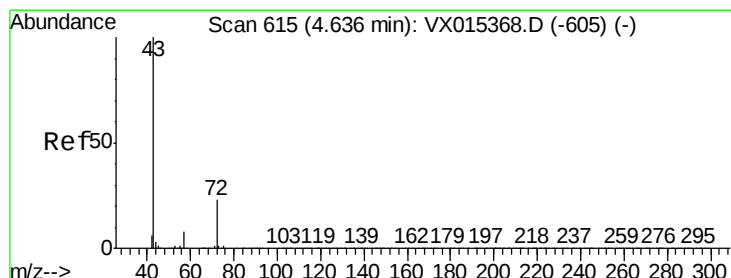
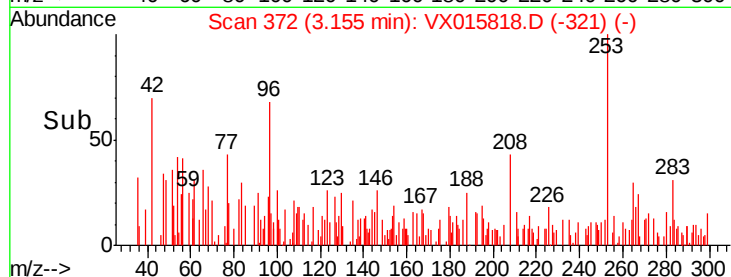
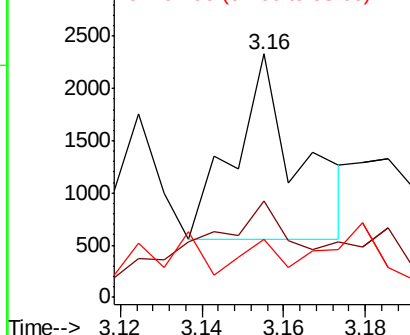
96 100

61 22.4 116.9 175.3#

98 5.2 48.6 73.0#



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 1.301 ug/l

RT: 4.64 min Scan# 616

Delta R.T. 0.01 min

Lab File: VX015818.D

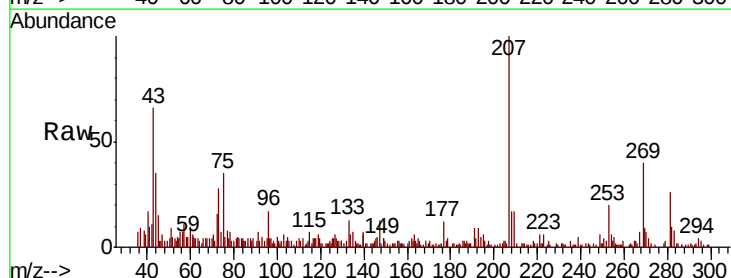
Acq: 22 Apr 2020 01:19

Tgt Ion: 43 Resp: 11664

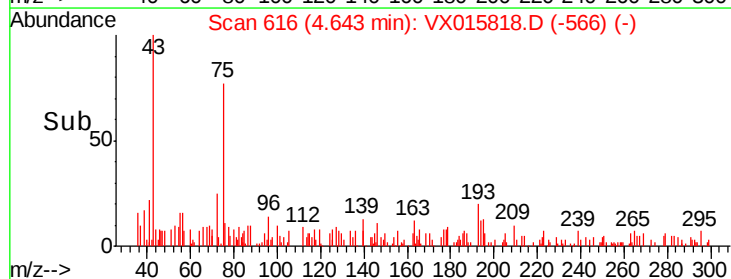
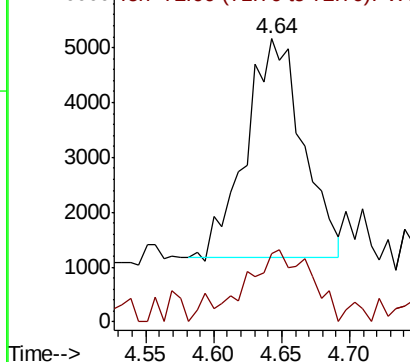
Ion Ratio Lower Upper

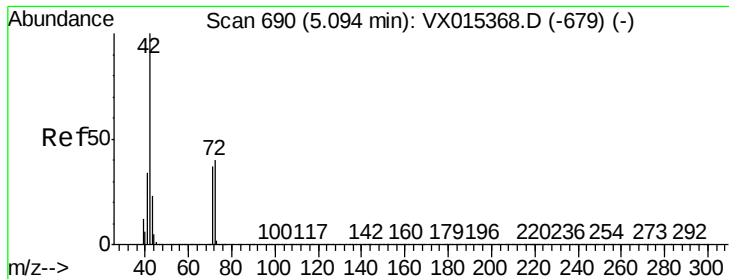
43 100

72 31.5 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 1.263 ug/l

RT: 5.11 min Scan# 692

Delta R.T. 0.01 min

Lab File: VX015818.D

Acq: 22 Apr 2020 01:19

Instrument :

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ClientSampleId :

TR-05-042020

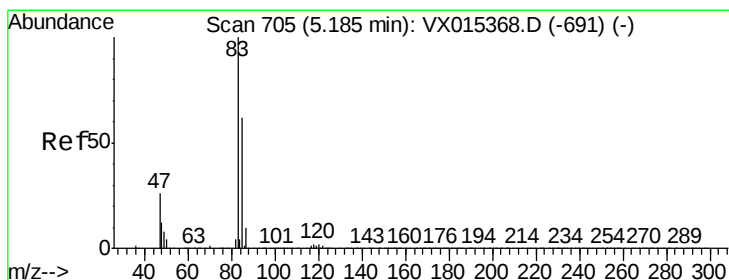
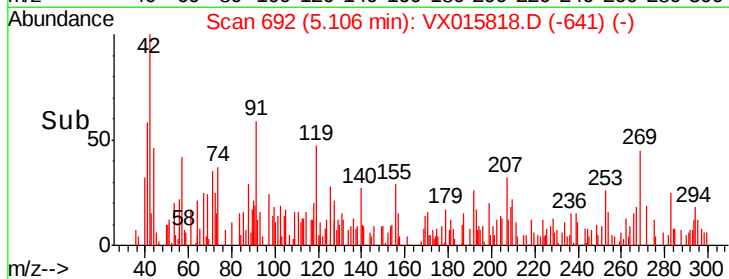
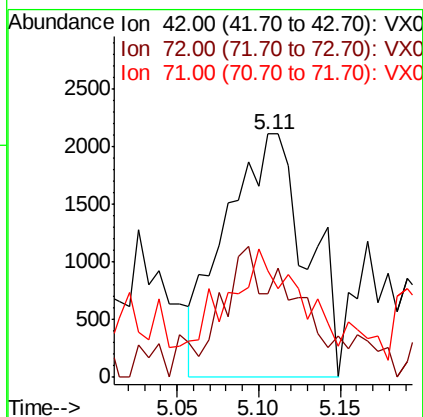
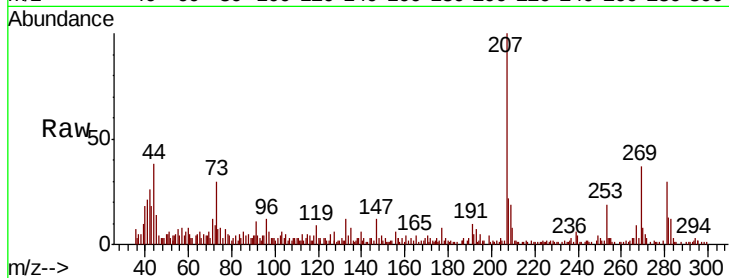
Tot Ion: 42 Resp: 7274

Ion Ratio Lower Upper

42 100

72 30.5 31.7 47.5#

71 31.7 29.6 44.4



#30

Chloroform

Concen: 0.779 ug/l

RT: 5.19 min Scan# 705

Delta R.T. 0.00 min

Lab File: VX015818.D

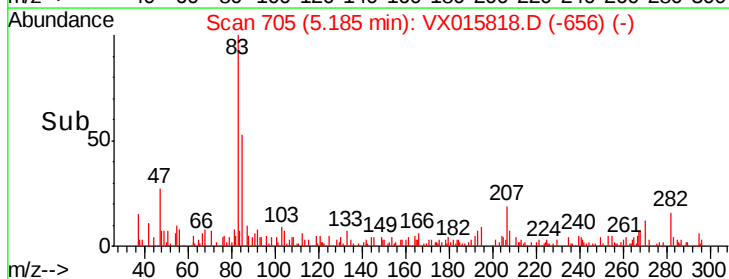
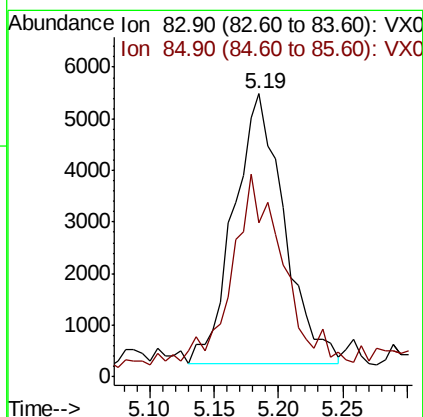
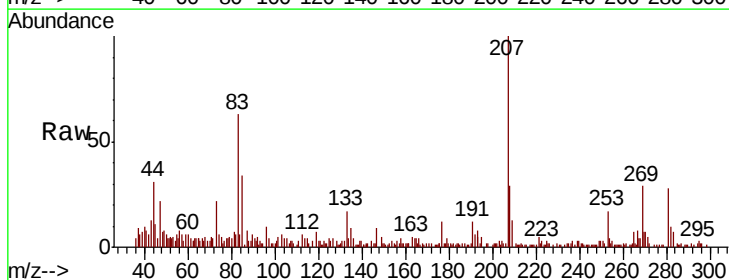
Acq: 22 Apr 2020 01:19

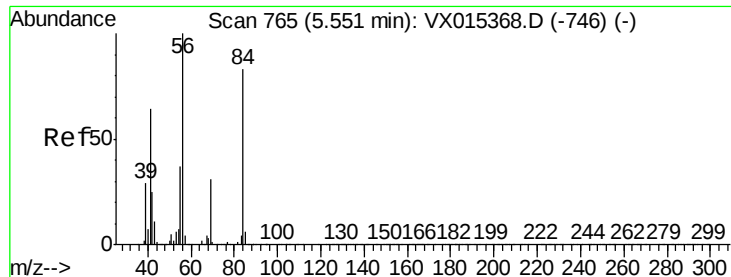
Tgt Ion: 83 Resp: 14191

Ion Ratio Lower Upper

83 100

85 49.1 49.5 74.3#

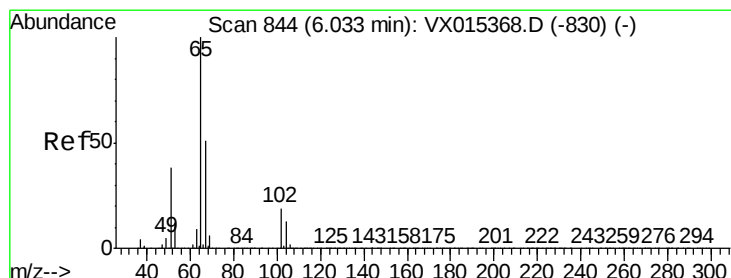
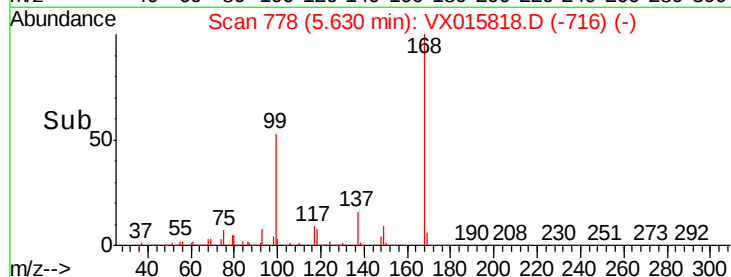
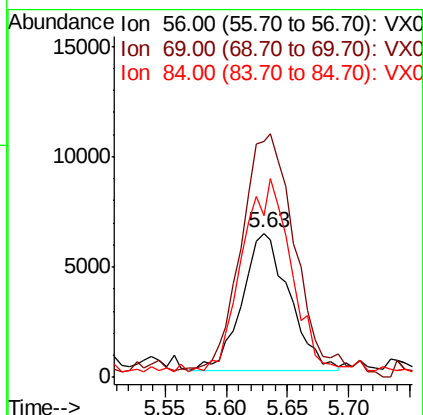
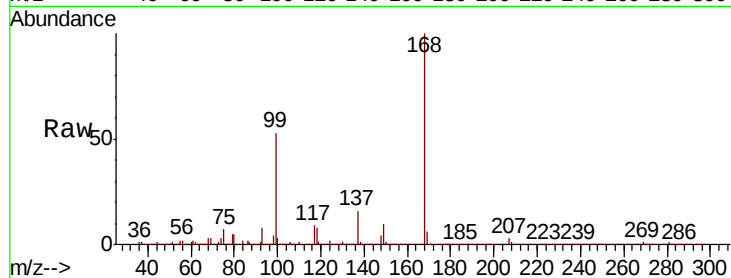




#31
Cvclohexane
Concen: 1.016 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015818.D
Acq: 22 Apr 2020 01:19

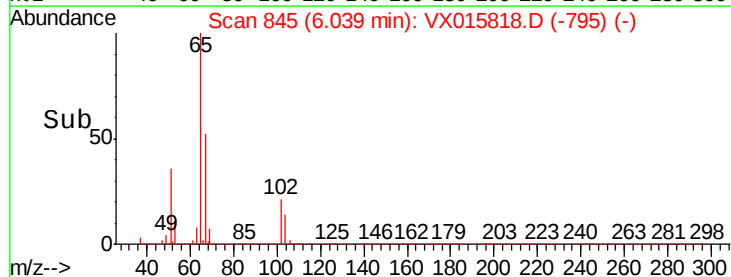
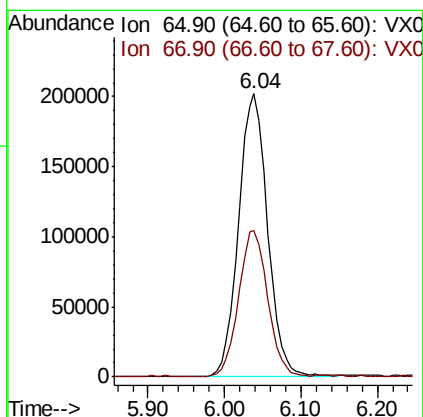
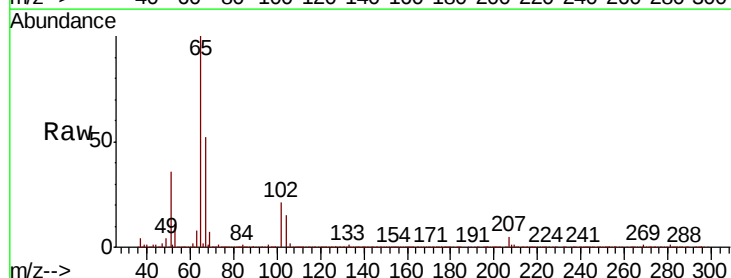
Instrument :
MSVOA_X
ClientSampleId :
TR-05-042020

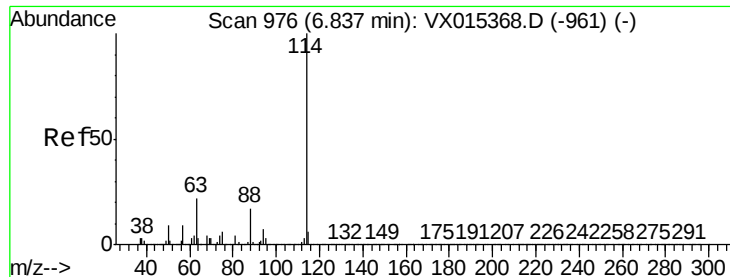
Tot Ion: 56 Resp: 16686
Ion Ratio Lower Upper
56 100
69 161.1 24.6 36.8#
84 114.3 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 40.936 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015818.D
Acq: 22 Apr 2020 01:19

Tgt Ion: 65 Resp: 530994
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.6

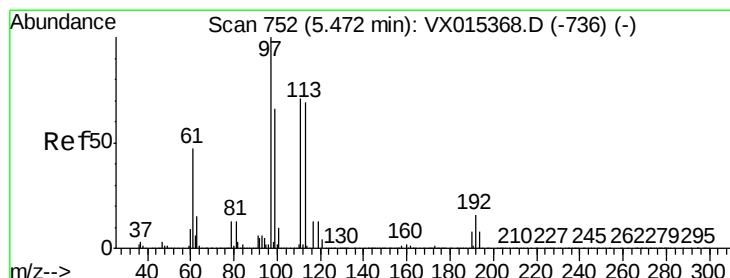
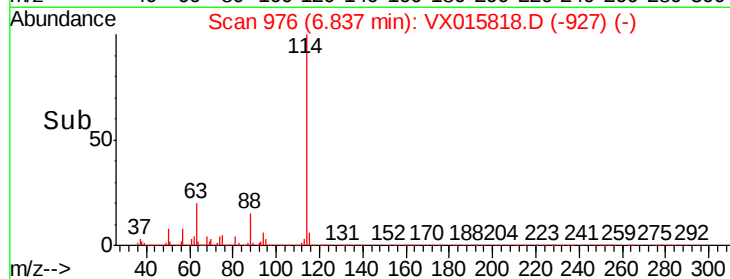
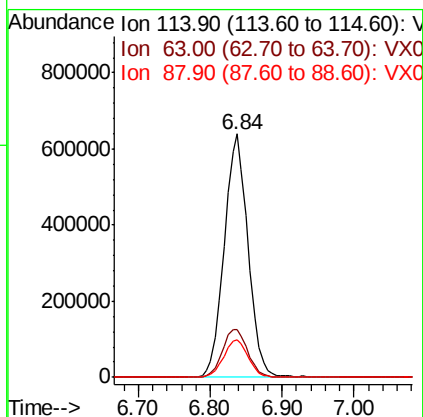
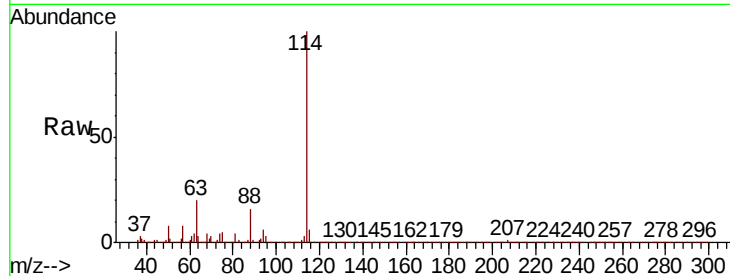




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.84 min Scan# 976
Delta R.T. 0.00 min
Lab File: VX015818.D
Acq: 22 Apr 2020 01:19

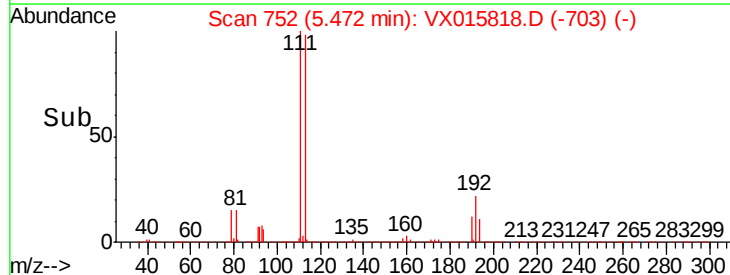
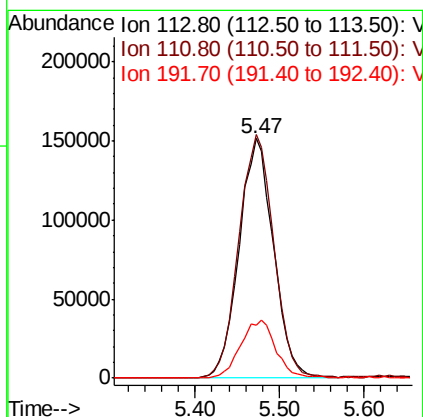
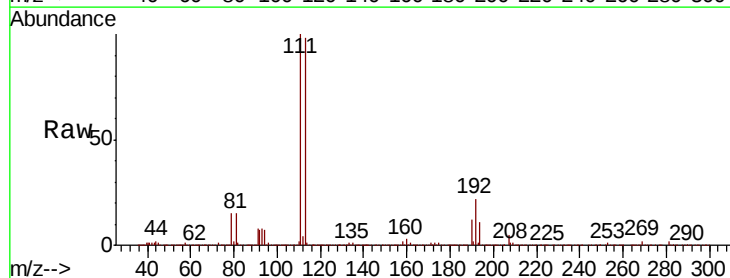
Instrument :
MSVOA_X
ClientSampleId :
TR-05-042020

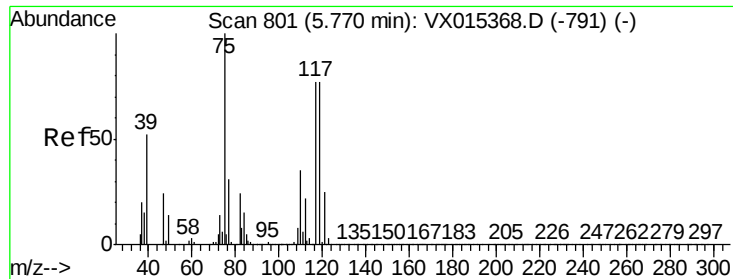
Tot Ion:114 Resp: 1469153
Ion Ratio Lower Upper
114 100
63 19.5 0.0 44.2
88 15.4 0.0 33.8



#35
Dibromofluoromethane
Concen: 44.516 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015818.D
Acq: 22 Apr 2020 01:19

Tgt Ion:113 Resp: 418058
Ion Ratio Lower Upper
113 100
111 103.9 81.5 122.3
192 24.5 17.8 26.6

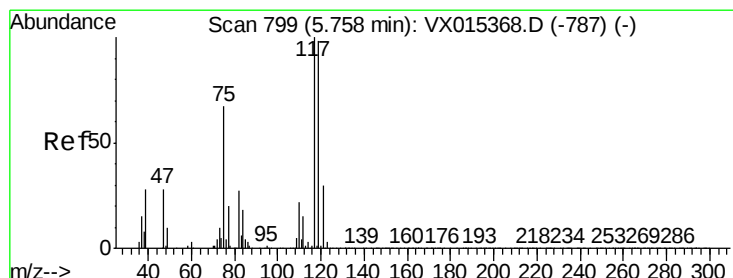
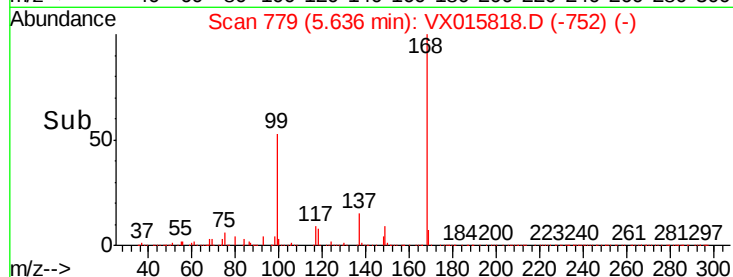
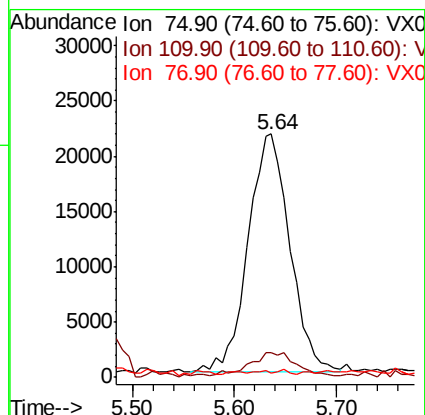
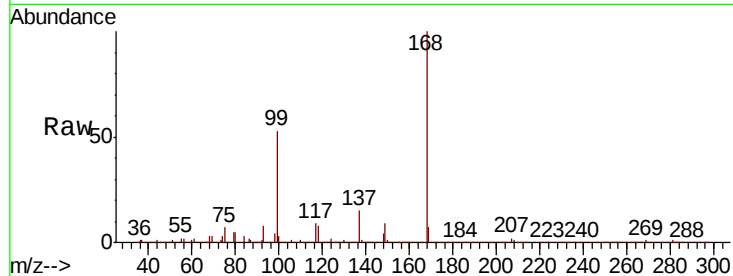




#36
 1,1-Dichloropropene
 Concen: 4.481 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015818.D
 Acq: 22 Apr 2020 01:19

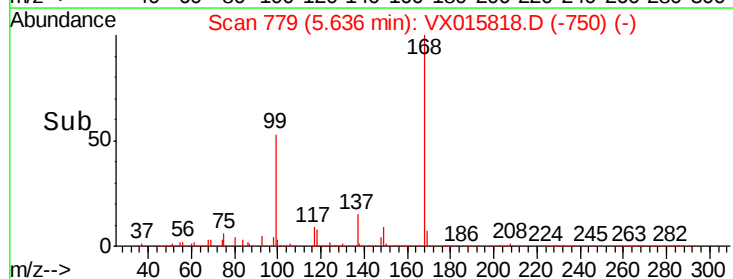
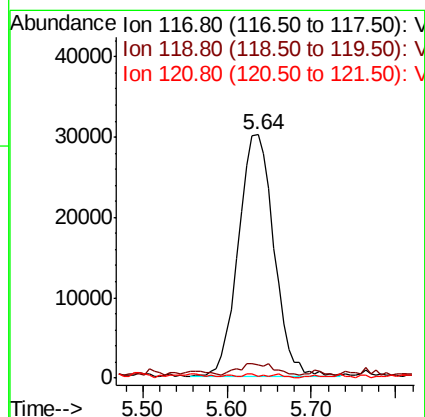
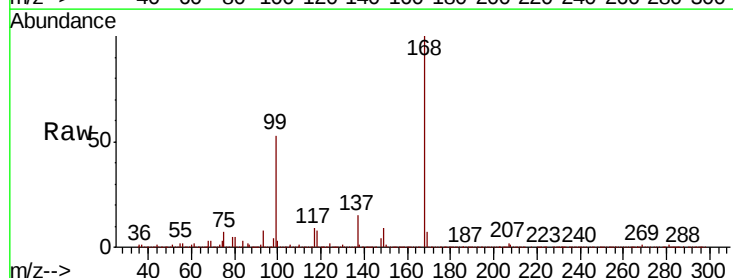
Instrument :
 MSVOA_X
 ClientSampleId :
 TR-05-042020

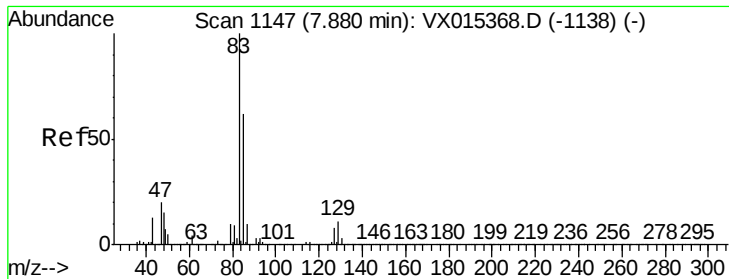
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.9	17.1	51.3#
77	0.3	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.837 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.12 min
 Lab File: VX015818.D
 Acq: 22 Apr 2020 01:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	78.0	117.0#
121	0.0	23.8	35.8#





#47

Bromodichloromethane

Concen: 0.276 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. 0.01 min

Lab File: VX015818.D

Acq: 22 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampleId :

TR-05-042020

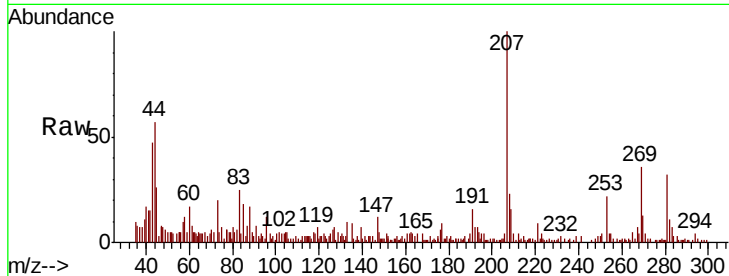
Tot Ion: 83 Resp: 4182

Ion Ratio Lower Upper

83 100

85 68.8 49.7 74.5

127 17.7 6.7 10.1#

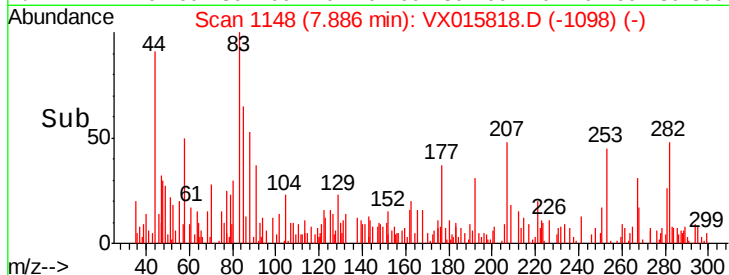


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

Time-->

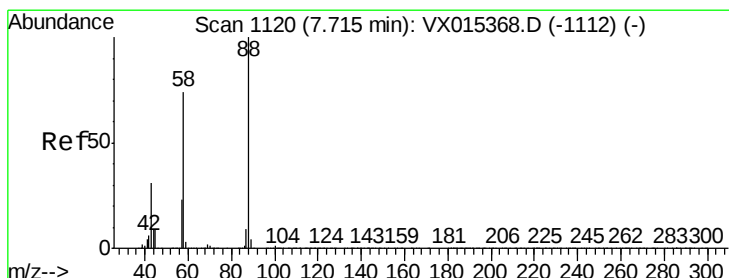


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

Time-->



#49

1,4-Dioxane

Concen: 12.217 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.02 min

Lab File: VX015818.D

Acq: 22 Apr 2020 01:19

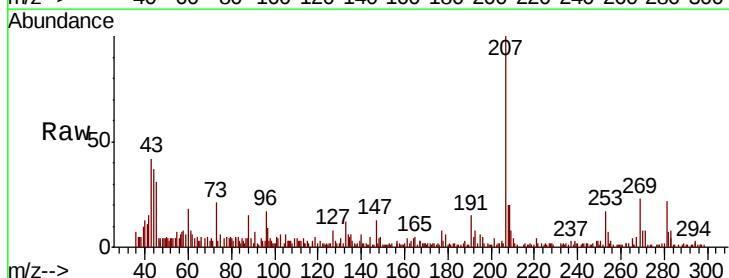
Tgt Ion: 88 Resp: 3387

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 60.6 90.8#

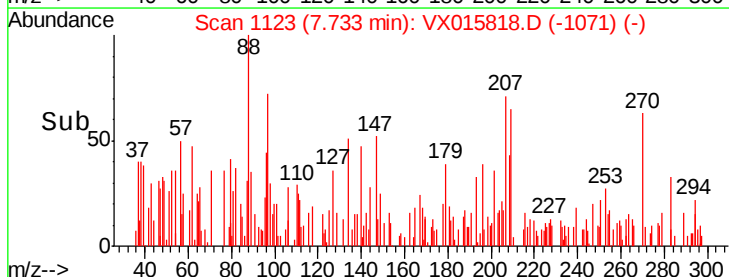


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Time-->

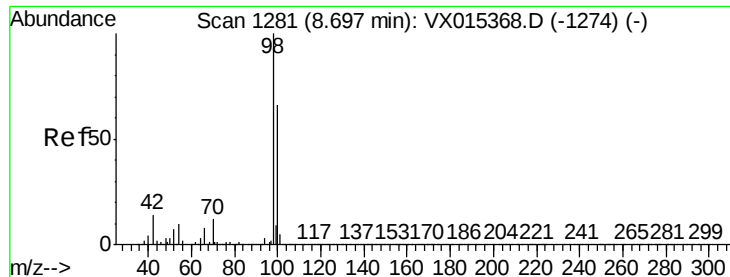


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Time-->



#50

Toluene-d8

Concen: 51.321 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015818.D

Acq: 22 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampleId :

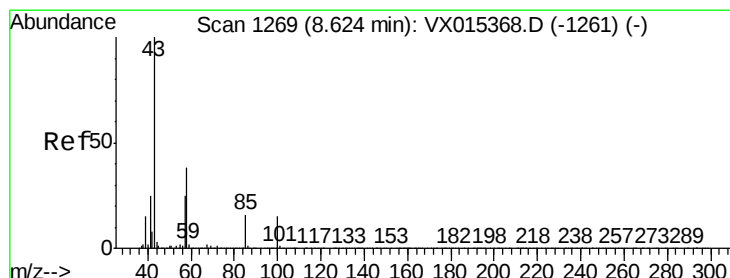
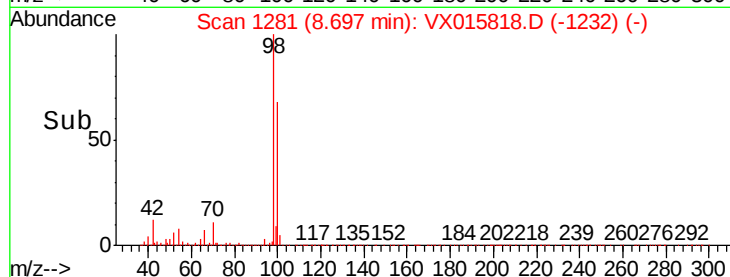
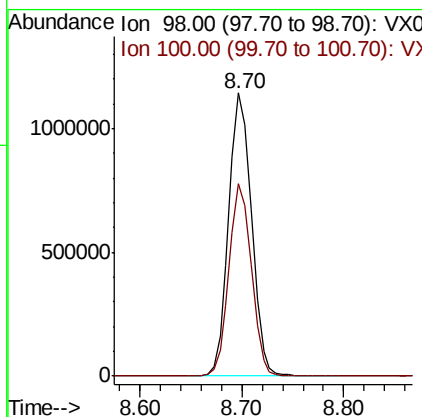
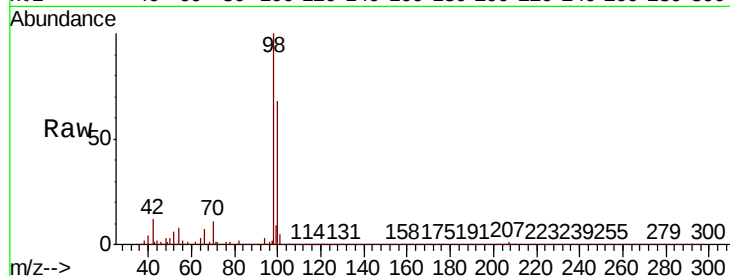
TR-05-042020

Tot Ion: 98 Resp: 1774475

Ion Ratio Lower Upper

98 100

100 66.6 53.5 80.3



#51

4-Methyl-2-Pentanone

Concen: 0.807 ug/l

RT: 8.62 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX015818.D

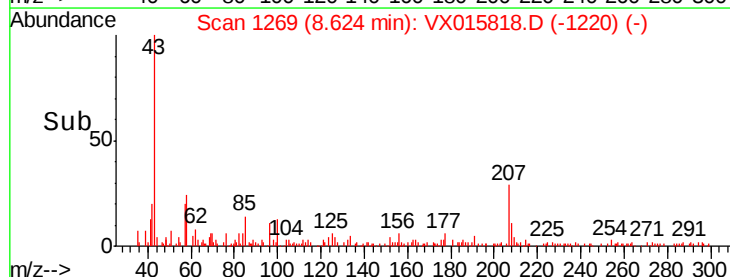
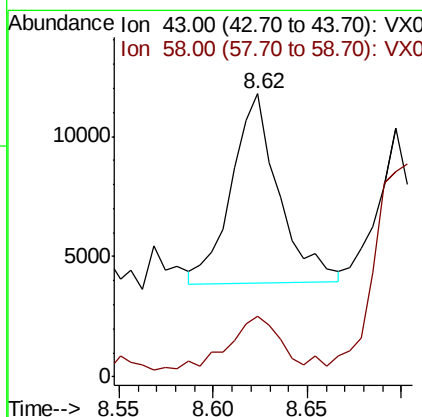
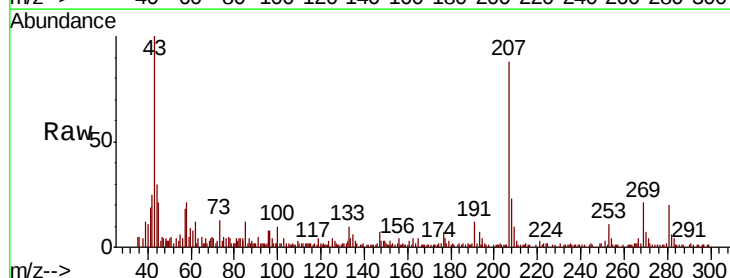
Acq: 22 Apr 2020 01:19

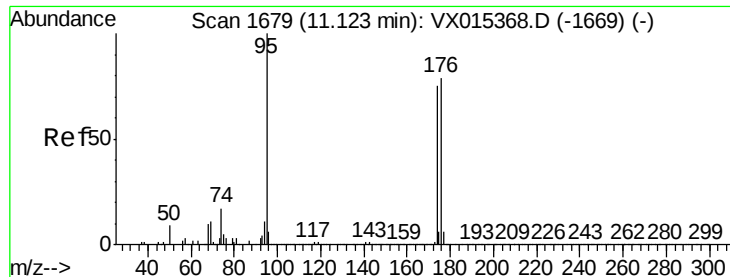
Tgt Ion: 43 Resp: 13607

Ion Ratio Lower Upper

43 100

58 30.2 29.7 44.5

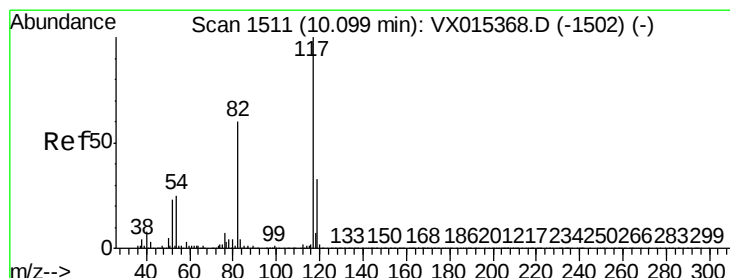
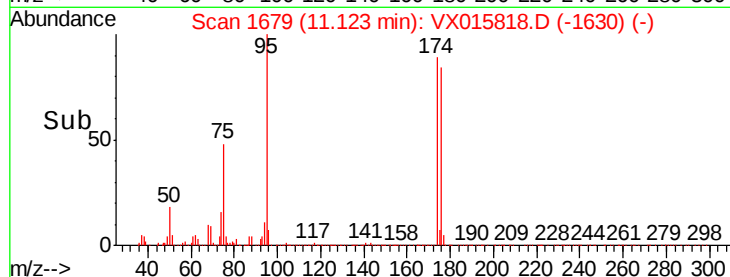
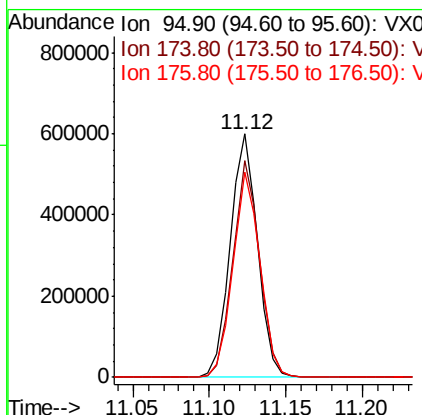
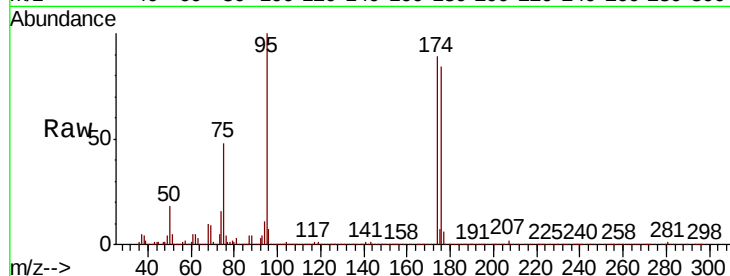




#62
4-Bromofluorobenzene
Concen: 52.676 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015818.D
Acq: 22 Apr 2020 01:19

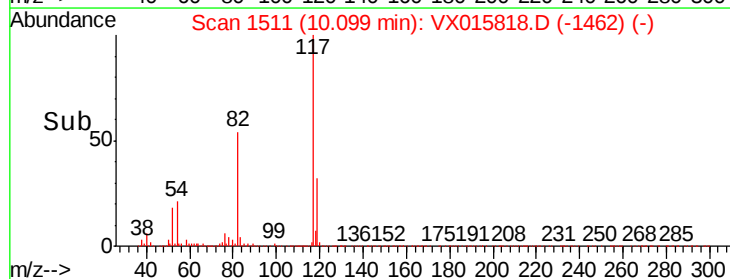
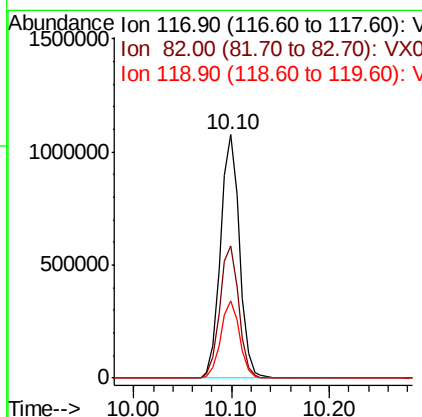
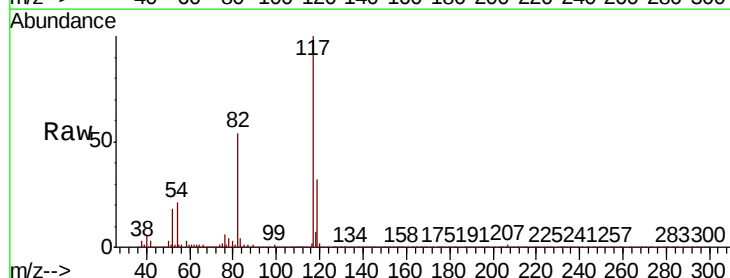
Instrument :
MSVOA_X
ClientSampleId :
TR-05-042020

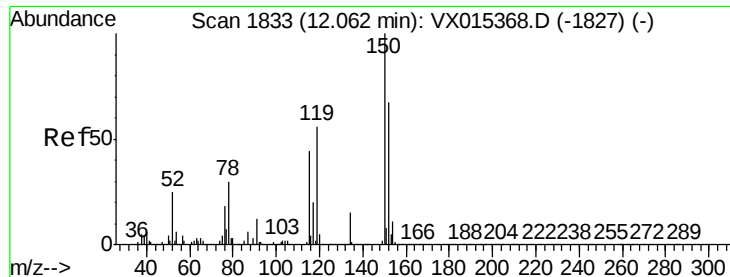
Tot Ion	Ratio	Lower	Upper
95	100		
174	87.4	0.0	158.6
176	83.7	0.0	159.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015818.D
Acq: 22 Apr 2020 01:19

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.4	47.8	71.8
119	31.9	26.8	40.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015818.D

Acq: 22 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampled :

TR-05-042020

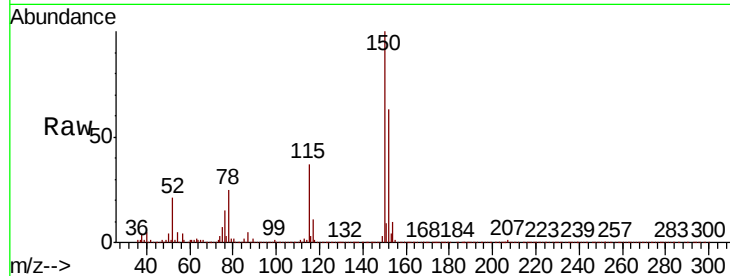
Tot Ion:152 Resp: 794269

Ion Ratio Lower Upper

152 100

115 56.8 39.0 116.9

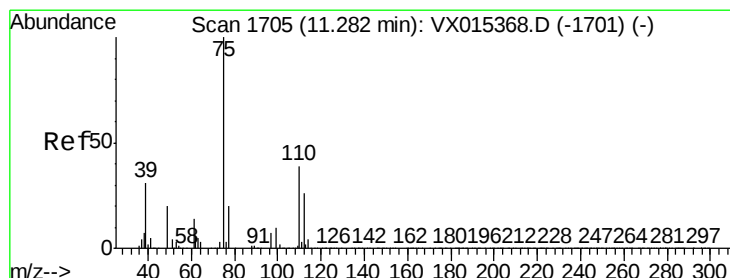
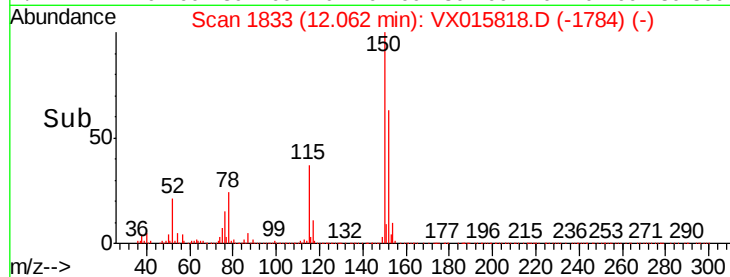
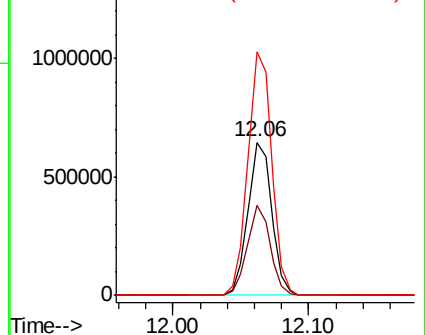
150 159.6 0.0 340.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.087 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015818.D

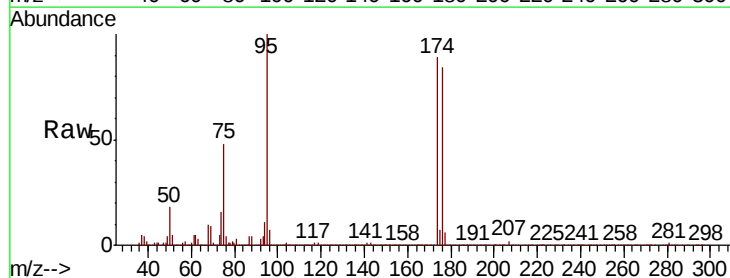
Acq: 22 Apr 2020 01:19

Tgt Ion: 75 Resp: 360763

Ion Ratio Lower Upper

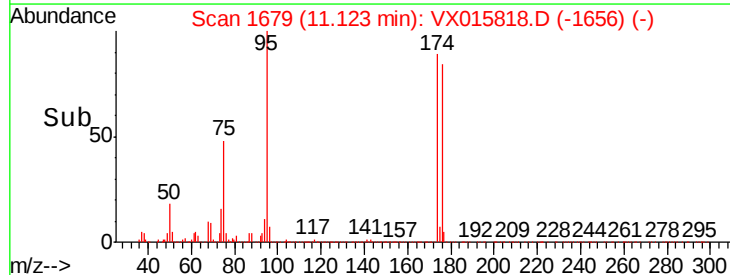
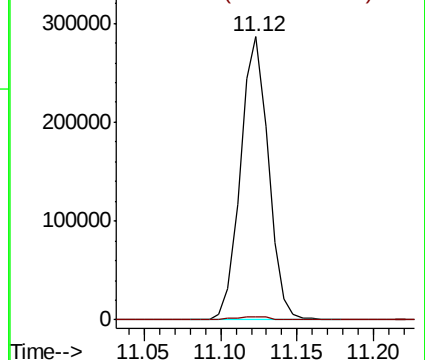
75 100

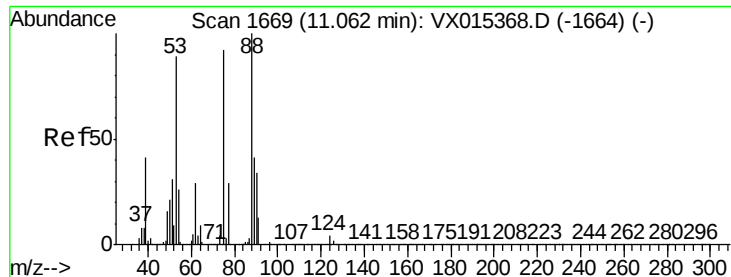
77 1.4 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.997 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015818.D

Acq: 22 Apr 2020 01:19

Instrument :

MSVOA_X

ClientSampleId :

TR-05-042020

Tot Ion: 75 Resp: 360763

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.3 36.1 54.1#

