

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041020\
 Data File : VX015624.D
 Acq On : 10 Apr 2020 16:19
 Operator : JC/SP
 Sample : L2210-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 400408742.3-VOA

Quant Time: Apr 11 02:24:23 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	5.63	168	1053701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1639827	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1595764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	873807	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	665924	44.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	
35) Dibromofluoromethane	5.47	113	507782	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
50) Toluene-d8	8.70	98	2003220	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	11.12	95	859669	54.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.62%	

Target Compounds

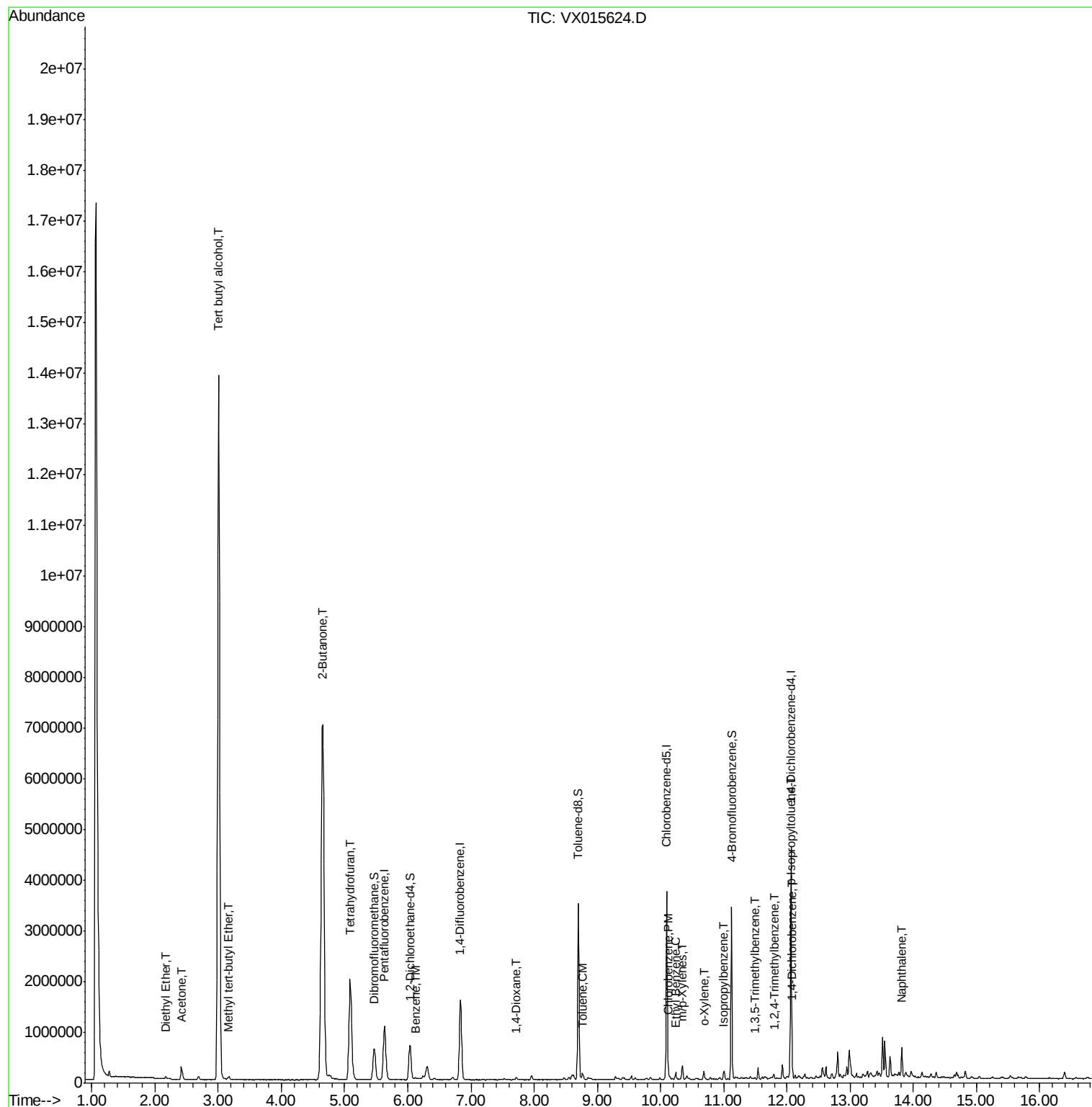
						Qvalue
8) Diethyl Ether	2.17	74	10328	1.682	ug/l	95
11) Tert butyl alcohol	3.01	59	1695537	4766.569	ug/l	97
16) Acetone	2.42	43	234850	36.783	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	62300	1.615	ug/l	91
25) 2-Butanone	4.65	43	788865	76.827	ug/l #	86
29) Tetrahydrofuran	5.09	42	1889523	286.246	ug/l	99
40) Benzene	6.12	78	47542	1.074	ug/l	96
49) 1,4-Dioxane	7.72	88	33709	108.931	ug/l	95
52) Toluene	8.77	92	46644	1.709	ug/l	100
65) Chlorobenzene	10.12	112	17488	0.550	ug/l	98
67) Ethyl Benzene	10.24	91	93460	1.656	ug/l	97
68) m/p-Xylenes	10.34	106	51808	2.465	ug/l	97
69) o-Xylene	10.68	106	37242	1.793	ug/l	99
73) Isopropylbenzene	11.01	105	81291	1.420	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	13365	0.273	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	41761	0.838	ug/l	95
86) p-Isopropyltoluene	12.05	119	26504	0.517	ug/l	84
88) 1,4-Dichlorobenzene	12.09	146	50325	1.807	ug/l #	82
95) Naphthalene	13.82	128	258215	4.000	ug/l	99

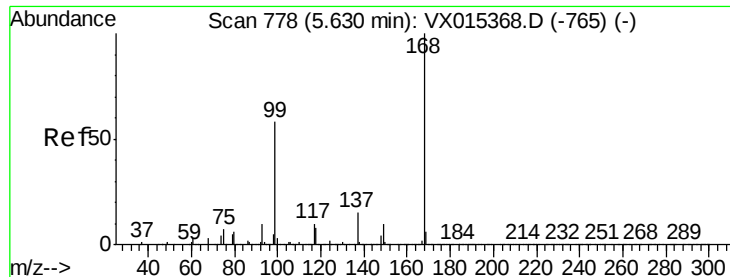
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041020\
Data File : VX015624.D
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400408742.3-VOA

Quant Time: Apr 11 02:24:23 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.00 min

Lab File: VX015624.D

Acq: 10 Apr 2020 16:19

Instrument :

MSVOA_X

ClientSampleId :

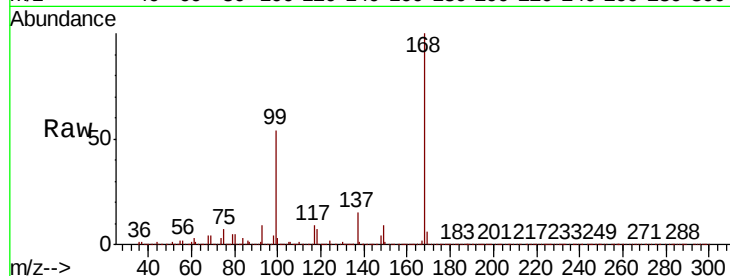
400408742.3-VOA

Tot Ion:168 Resp: 1053701

Ion Ratio Lower Upper

168 100

99 54.0 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

300000

200000

100000

0

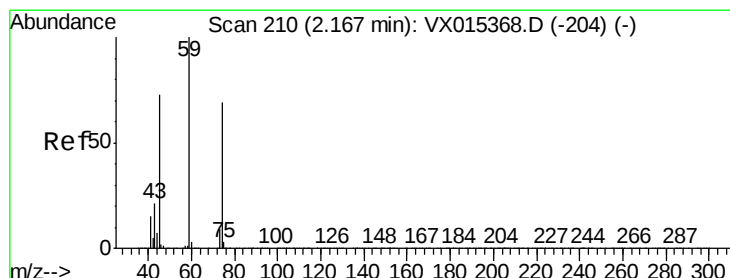
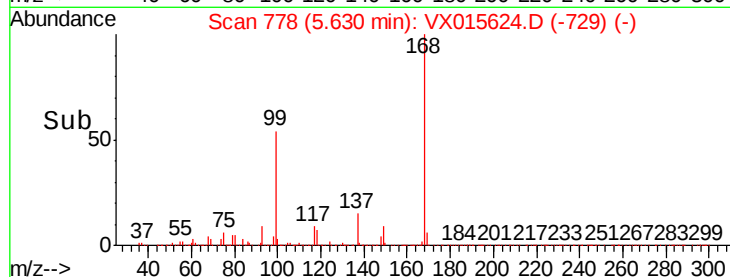
5.50

5.60

5.70

5.80

Time-->



#8

Diethyl Ether

Concen: 1.682 ug/l

RT: 2.17 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX015624.D

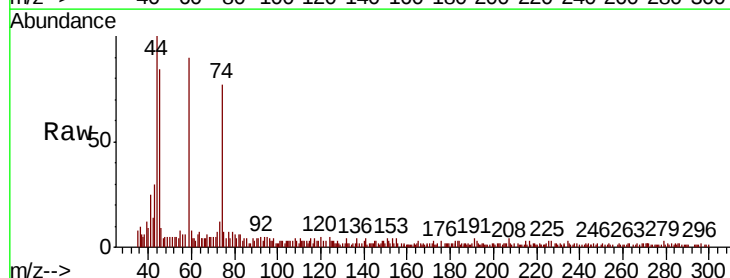
Acq: 10 Apr 2020 16:19

Tgt Ion: 74 Resp: 10328

Ion Ratio Lower Upper

74 100

45 102.4 53.8 161.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

10000

8000

6000

4000

2000

0

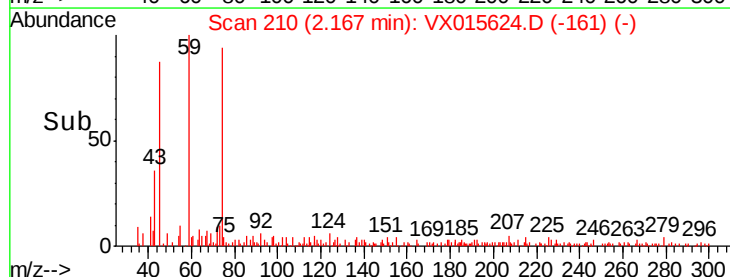
2.10

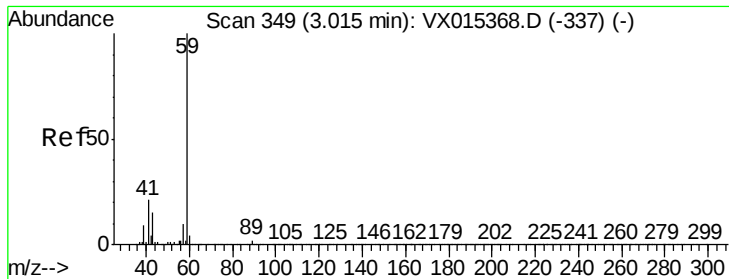
2.15

2.20

2.25

Time-->

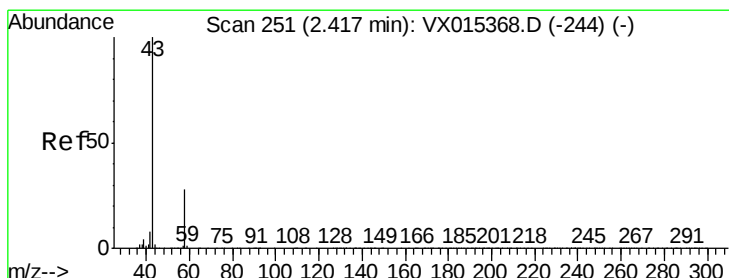
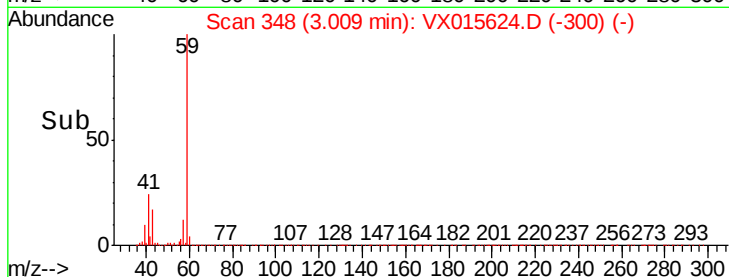
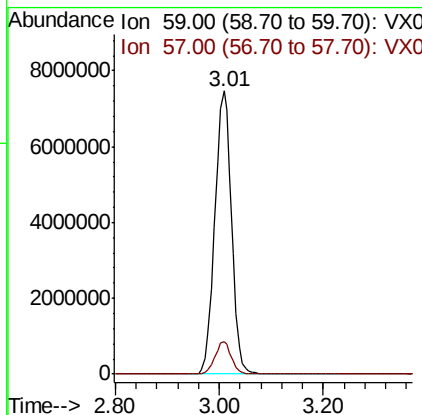
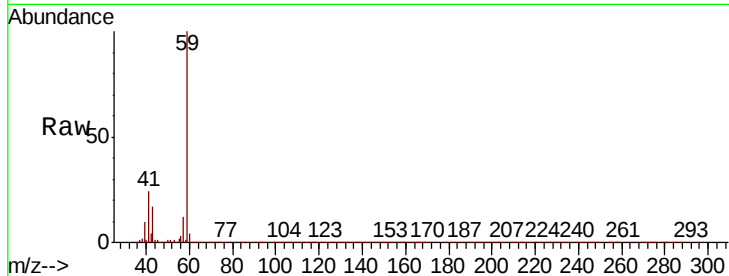




#11
Tert butyl alcohol
Concen: 4766.569 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015624.D
Acq: 10 Apr 2020 16:19

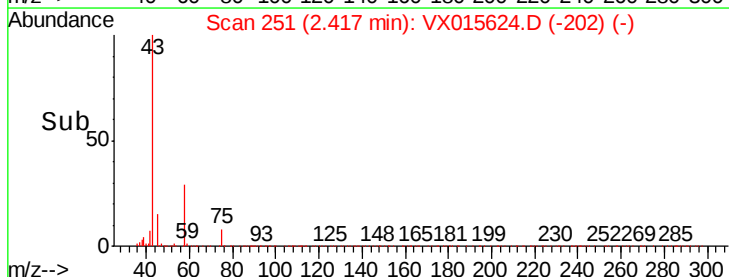
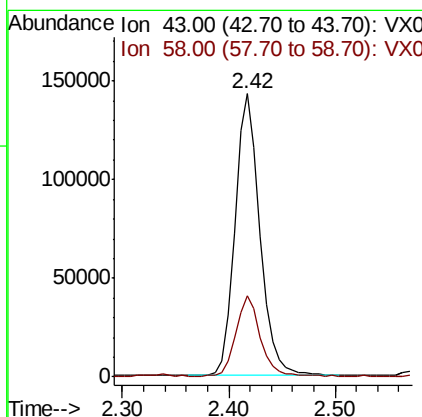
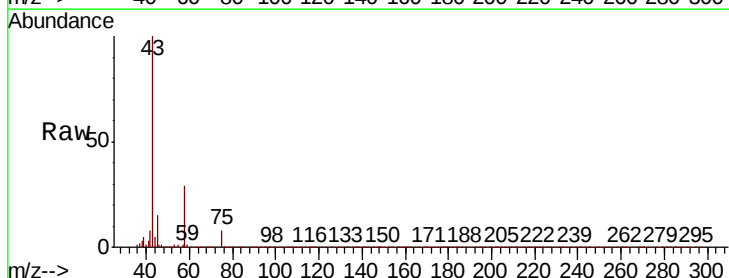
Instrument :
MSVOA_X
ClientSampleId :
400408742.3-VOA

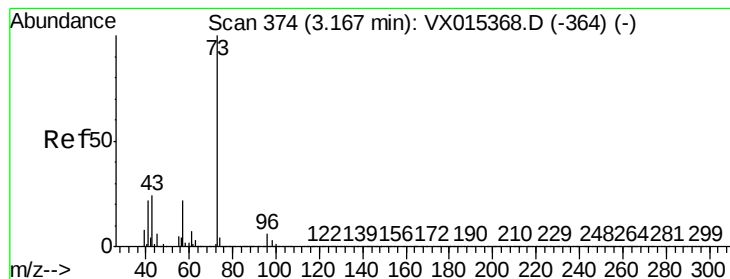
Tot Ion: 59 Resp:16955337
Ion Ratio Lower Upper
59 100
57 11.1 8.1 12.1



#16
Acetone
Concen: 36.783 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015624.D
Acq: 10 Apr 2020 16:19

Tgt Ion: 43 Resp: 234850
Ion Ratio Lower Upper
43 100
58 28.8 22.1 33.1



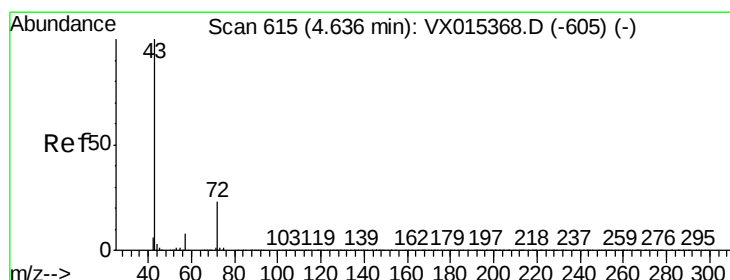
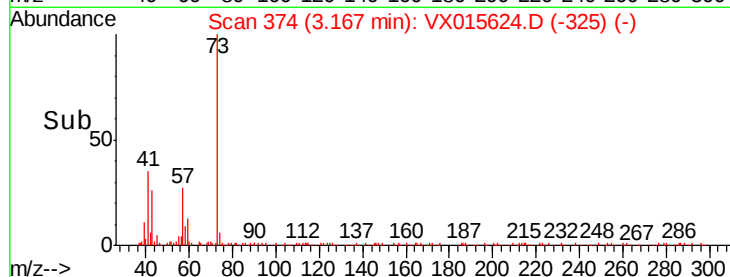
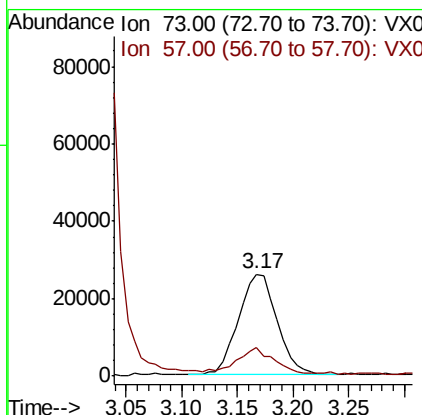
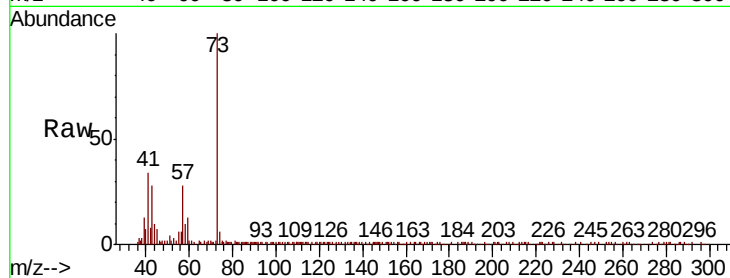


#19

Methvl tert-butvl Ether
 Concen: 1.615 ug/l
 RT: 3.17 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VX015624.D
 Acq: 10 Apr 2020 16:19

Instrument :
 MSVOA_X
 ClientSampleId :
 400408742.3-VOA

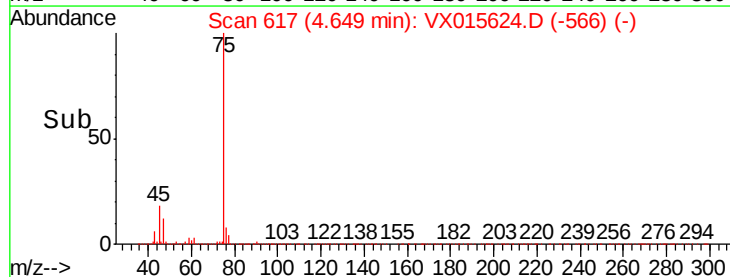
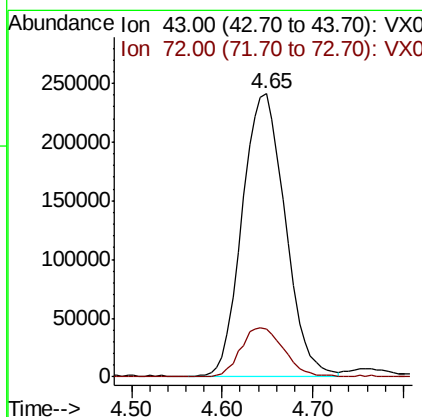
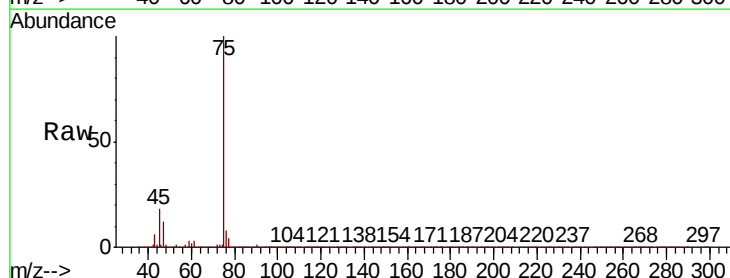
Tot Ion: 73 Resp: 62300
 Ion Ratio Lower Upper
 73 100
 57 26.8 17.9 26.9

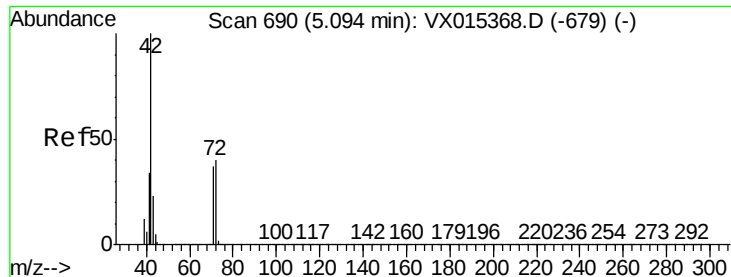


#25

2-Butanone
 Concen: 76.827 ug/l
 RT: 4.65 min Scan# 617
 Delta R.T. 0.01 min
 Lab File: VX015624.D
 Acq: 10 Apr 2020 16:19

Tgt Ion: 43 Resp: 788865
 Ion Ratio Lower Upper
 43 100
 72 16.6 19.0 28.4#





#29

Tetrahydrofuran

Concen: 286.246 ug/l

RT: 5.09 min Scan# 689

Delta R.T. -0.01 min

Lab File: VX015624.D

Acq: 10 Apr 2020 16:19

Instrument :

MSVOA_X

ClientSampleId :

400408742.3-VOA

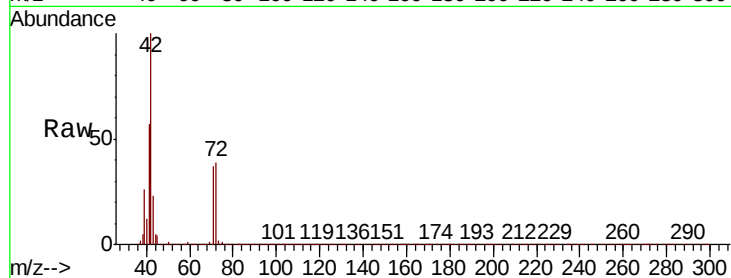
Tot Ion: 42 Resp: 1889523

Ion Ratio Lower Upper

42 100

72 39.7 31.7 47.5

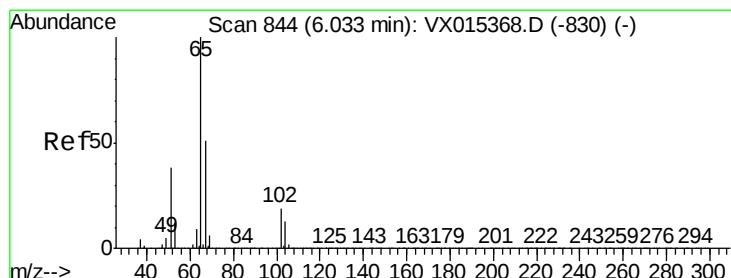
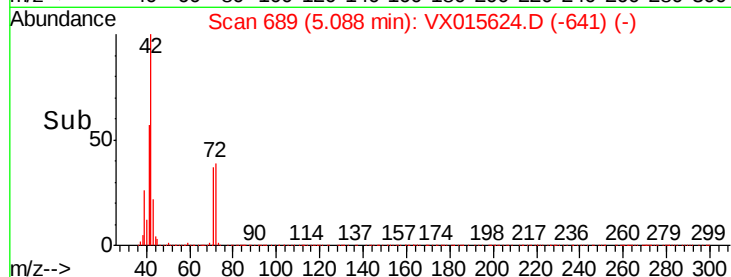
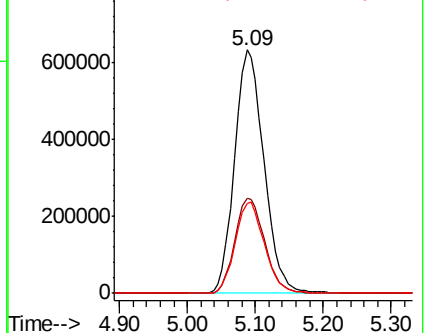
71 37.6 29.6 44.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 44.809 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015624.D

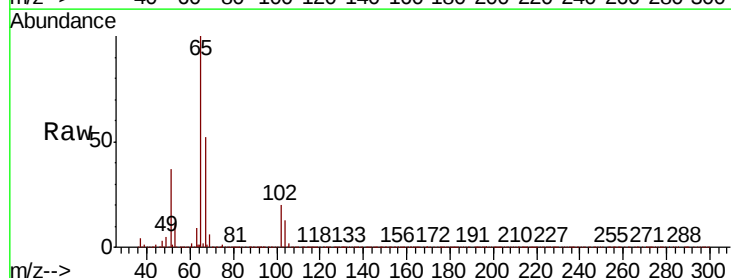
Acq: 10 Apr 2020 16:19

Tgt Ion: 65 Resp: 665924

Ion Ratio Lower Upper

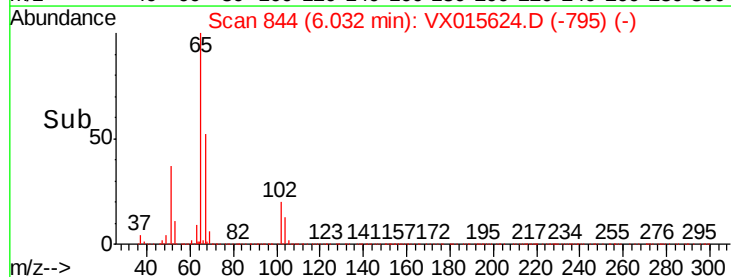
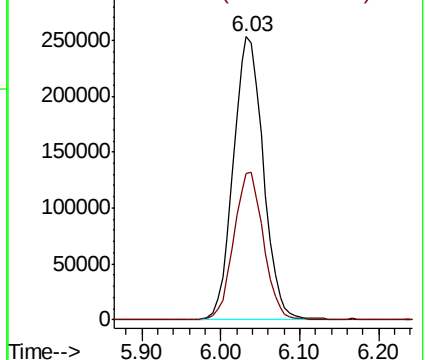
65 100

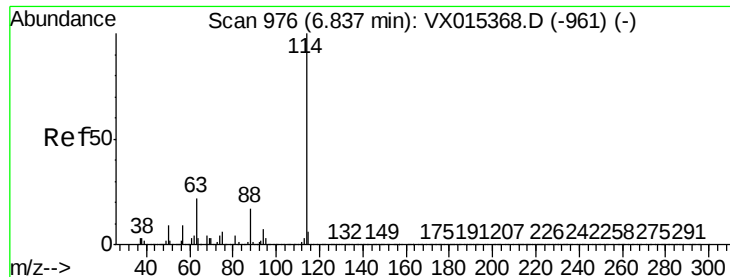
67 51.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. -0.00 min

Lab File: VX015624.D

Acq: 10 Apr 2020 16:19

Instrument :

MSVOA_X

ClientSampleId :

400408742.3-VOA

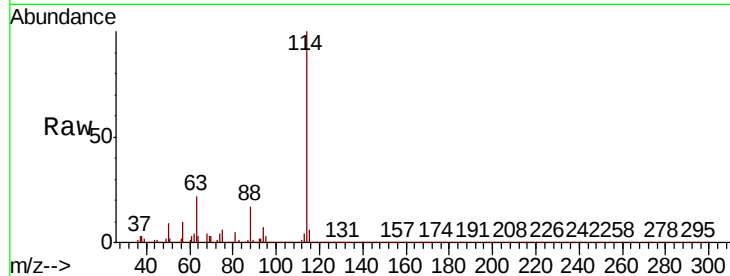
Tot Ion:114 Resp: 1639827

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.2

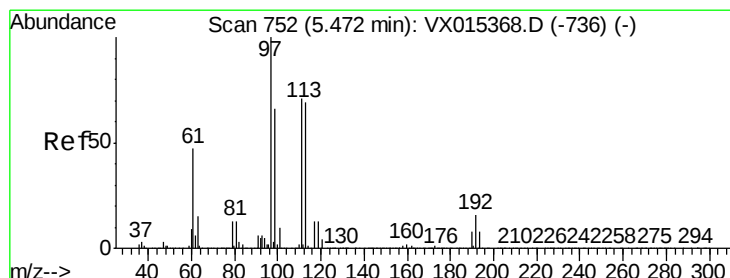
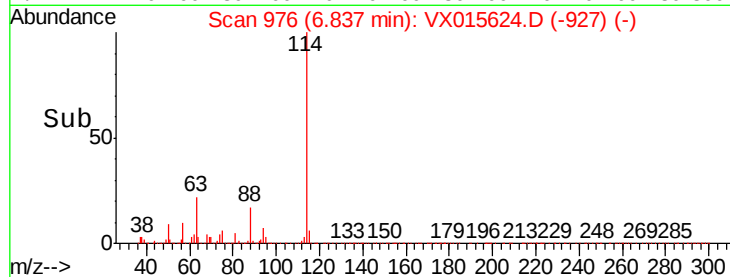
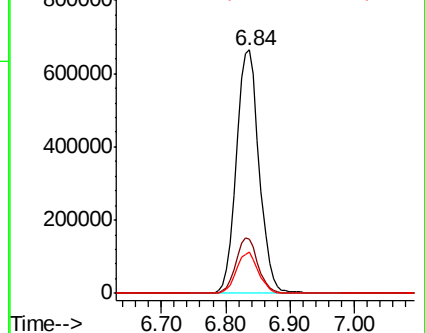
88 16.8 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.442 ug/l

RT: 5.47 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX015624.D

Acq: 10 Apr 2020 16:19

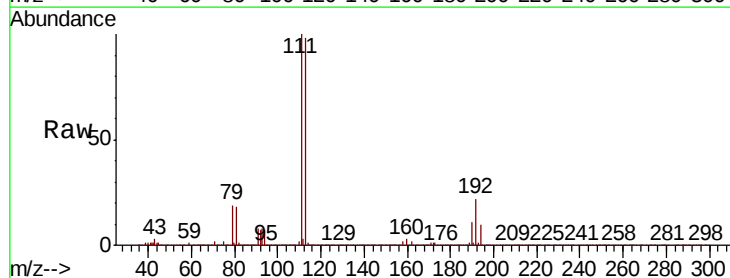
Tgt Ion:113 Resp: 507782

Ion Ratio Lower Upper

113 100

111 102.2 81.5 122.3

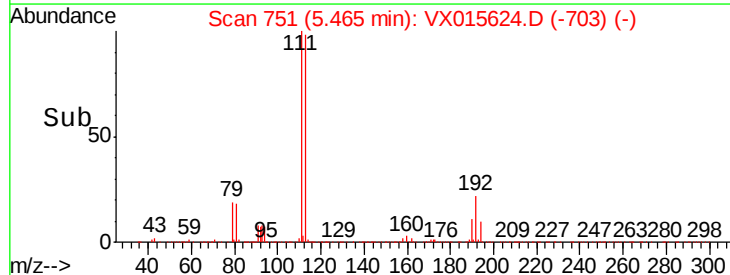
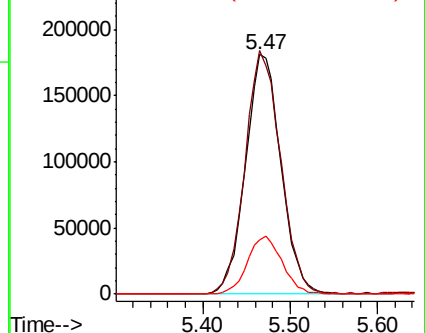
192 23.5 17.8 26.6

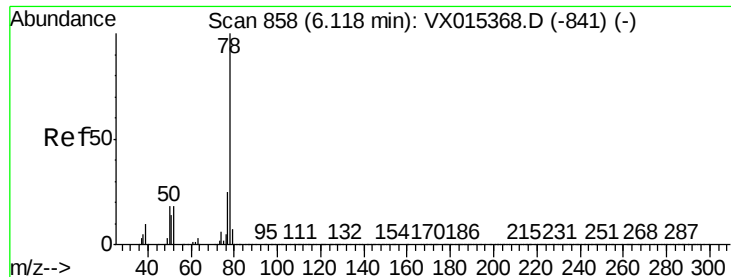


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.074 ug/l

RT: 6.12 min Scan# 858

Delta R.T. -0.00 min

Lab File: VX015624.D

Acq: 10 Apr 2020 16:19

Instrument :

MSVOA_X

ClientSampleId :

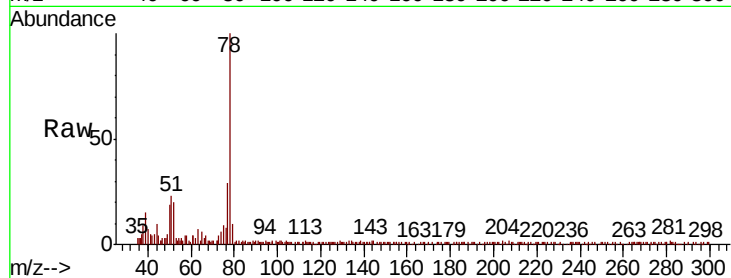
400408742.3-VOA

Tot Ion: 78 Resp: 47542

Ion Ratio Lower Upper

78 100

77 27.0 19.8 29.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.12

20000

15000

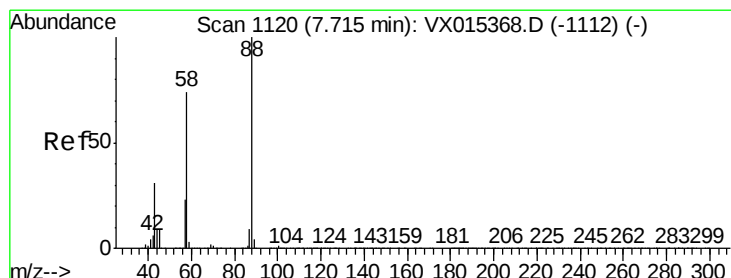
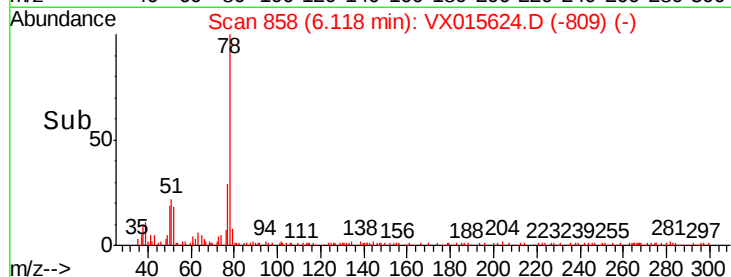
10000

5000

0

6.00 6.10 6.20

Time-->



#49

1,4-Dioxane

Concen: 108.931 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015624.D

Acq: 10 Apr 2020 16:19

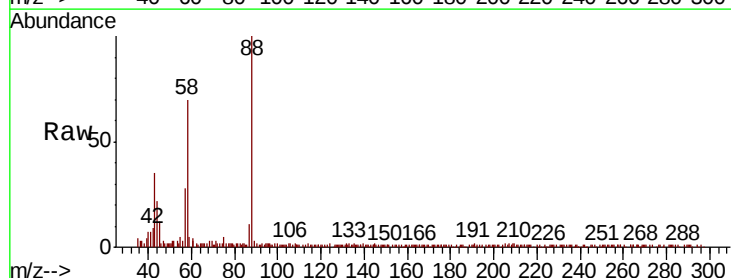
Tgt Ion: 88 Resp: 33709

Ion Ratio Lower Upper

88 100

43 32.2 30.1 45.1

58 73.4 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

7.72

20000

15000

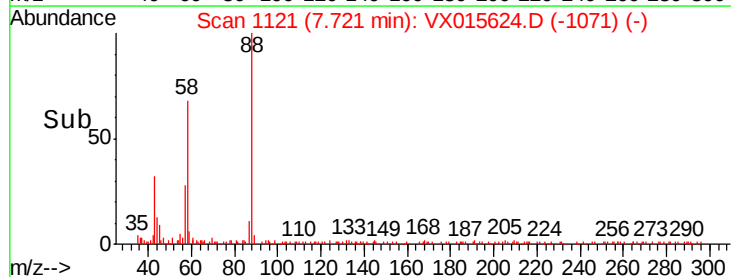
10000

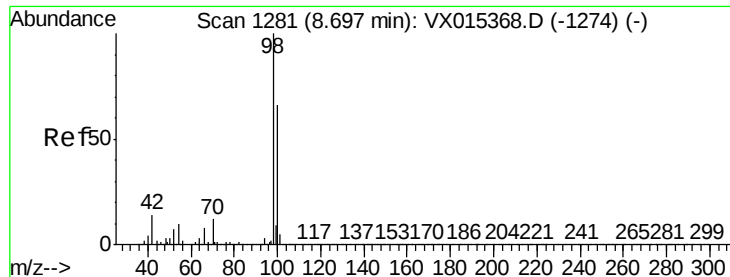
5000

0

7.65 7.70 7.75

Time-->

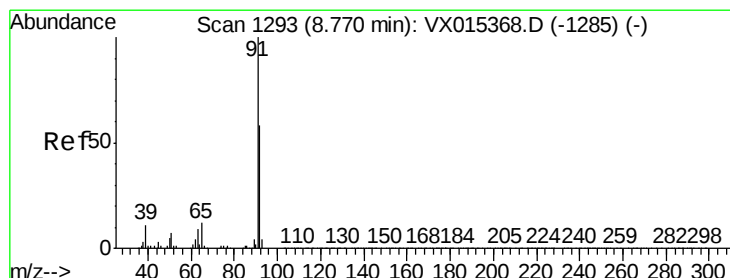
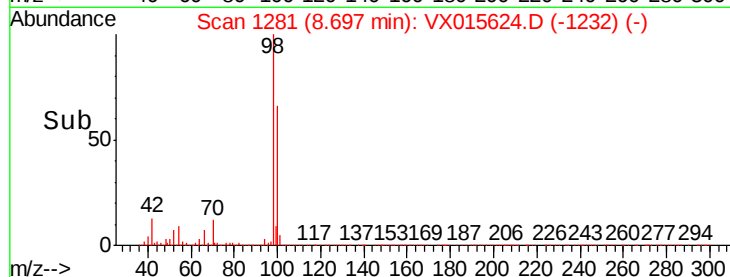
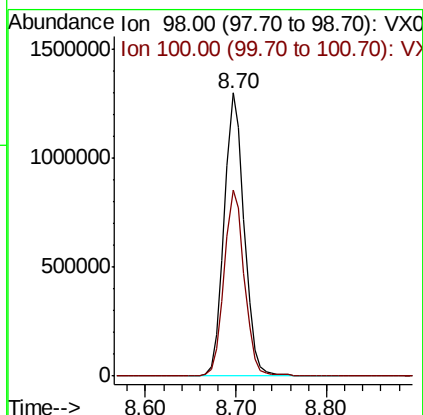
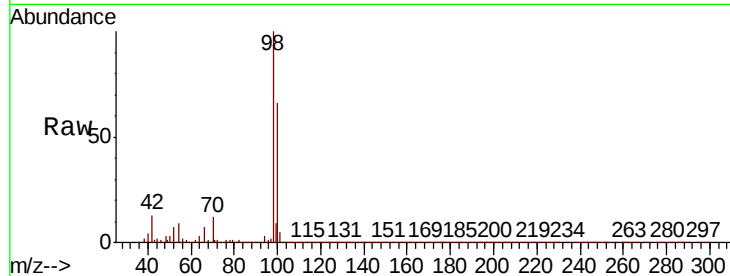




#50
Toluene-d8
Concen: 51.907 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015624.D
Acq: 10 Apr 2020 16:19

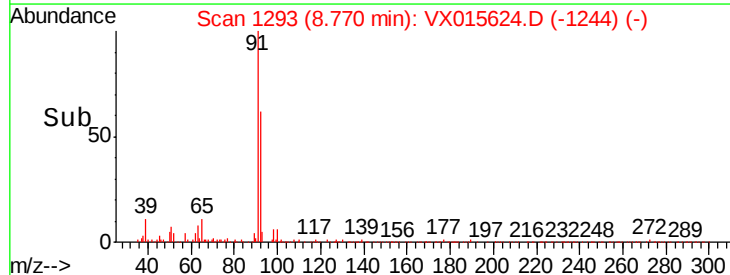
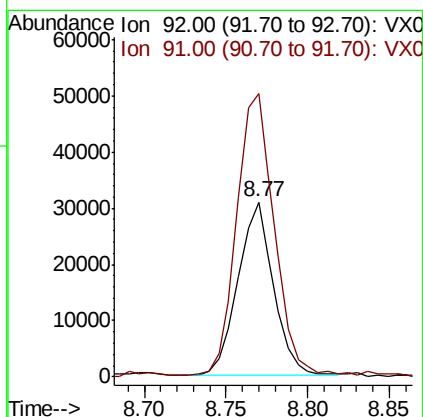
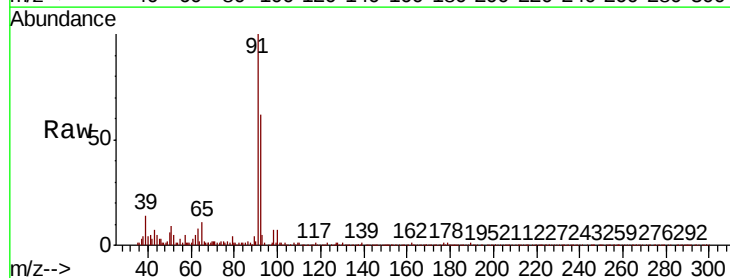
Instrument :
MSVOA_X
ClientSampleId :
400408742.3-VOA

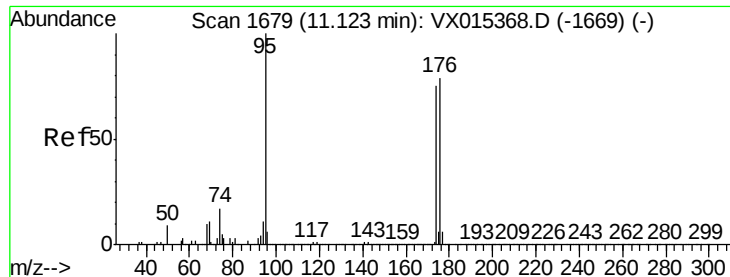
Tot Ion: 98 Resp: 2003220
Ion Ratio Lower Upper
98 100
100 66.1 53.5 80.3



#52
Toluene
Concen: 1.709 ug/l
RT: 8.77 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX015624.D
Acq: 10 Apr 2020 16:19

Tgt Ion: 92 Resp: 46644
Ion Ratio Lower Upper
92 100
91 170.9 136.6 205.0





#62

4-Bromofluorobenzene

Concen: 54.811 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015624.D

Acq: 10 Apr 2020 16:19

Instrument :

MSVOA_X

ClientSampleId :

400408742.3-VOA

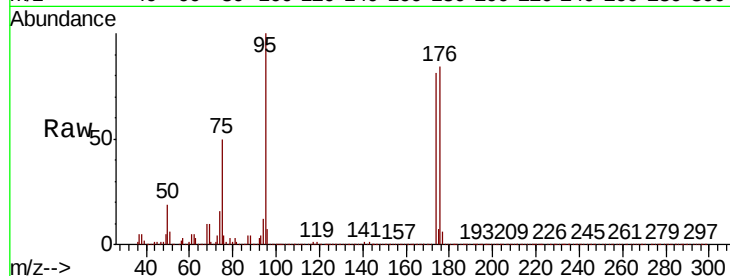
Tot Ion: 95 Resp: 859669

Ion Ratio Lower Upper

95 100

174 82.5 0.0 158.6

176 82.0 0.0 159.0

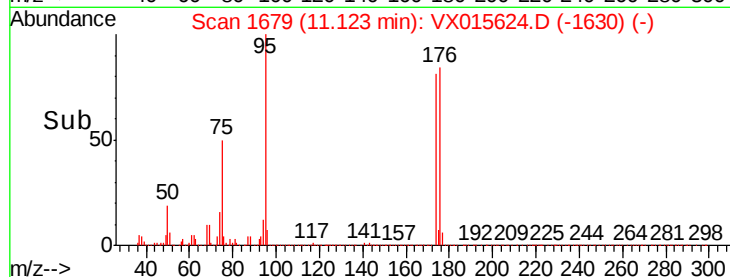


Abundance Ion 94.90 (94.60 to 95.60): VX015368.D (-1669) (-)

Ion 173.80 (173.50 to 174.50): VX015368.D (-1669) (-)

Ion 175.80 (175.50 to 176.50): VX015368.D (-1669) (-)

Time-->

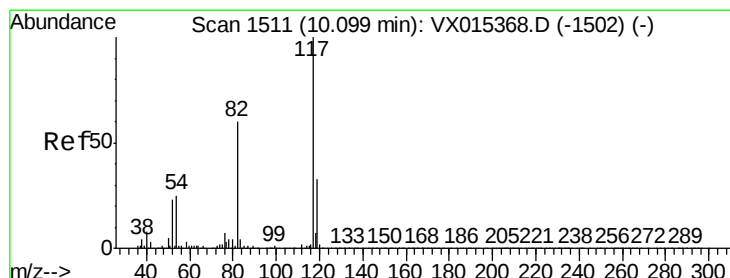


Abundance Ion 94.90 (94.60 to 95.60): VX015624.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015624.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015624.D (-1630) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015624.D

Acq: 10 Apr 2020 16:19

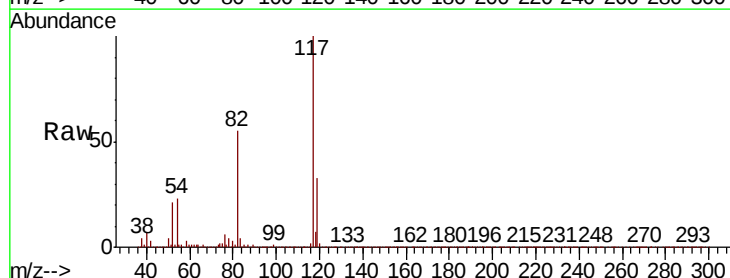
Tgt Ion: 117 Resp: 1595764

Ion Ratio Lower Upper

117 100

82 55.4 47.8 71.8

119 33.0 26.8 40.2

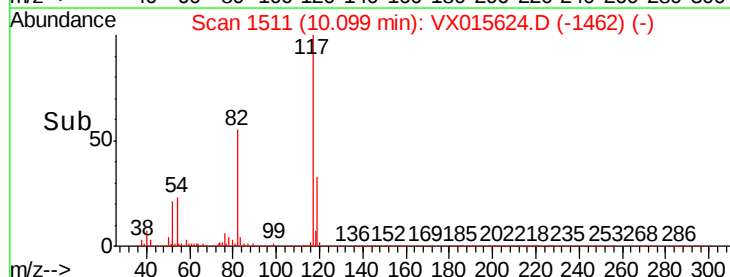


Abundance Ion 116.90 (116.60 to 117.60): VX015368.D (-1502) (-)

Ion 82.00 (81.70 to 82.70): VX015368.D (-1502) (-)

Ion 118.90 (118.60 to 119.60): VX015368.D (-1502) (-)

Time-->

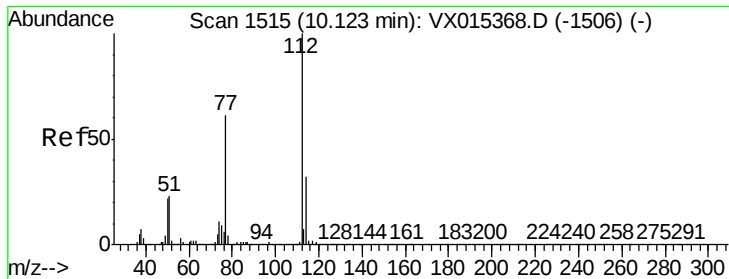


Abundance Ion 116.90 (116.60 to 117.60): VX015624.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015624.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015624.D (-1462) (-)

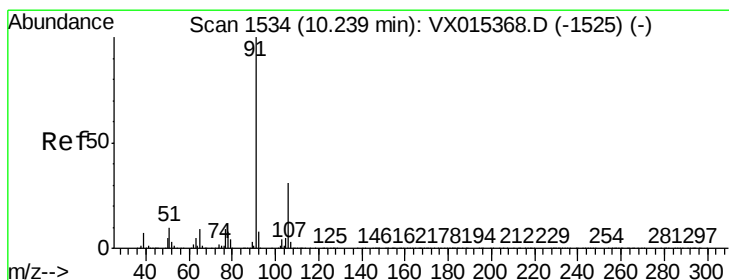
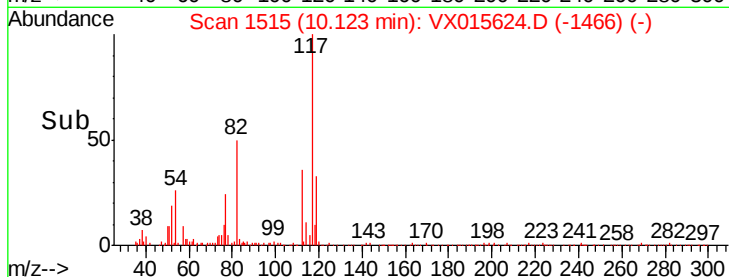
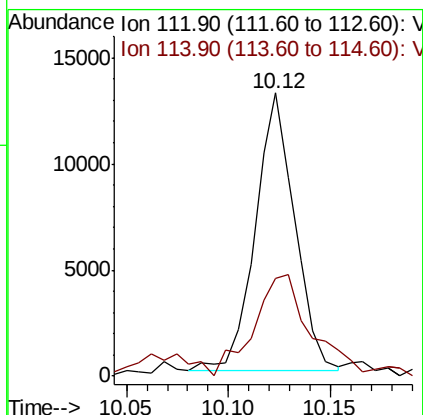
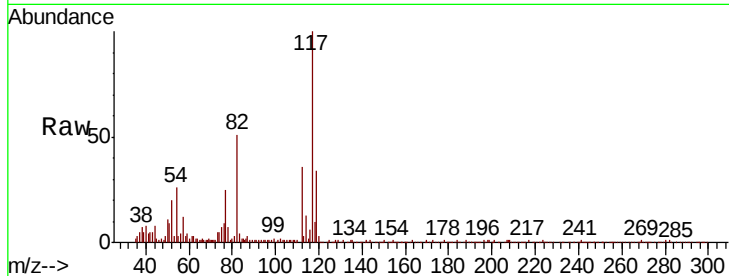
Time-->



#65
Chlorobenzene
Concen: 0.550 ug/l
RT: 10.12 min Scan# 1515
Delta R.T. -0.00 min
Lab File: VX015624.D
Acq: 10 Apr 2020 16:19

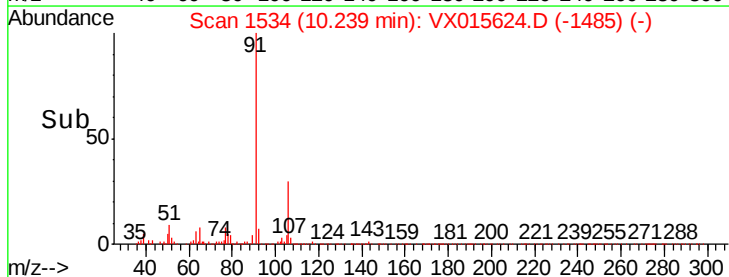
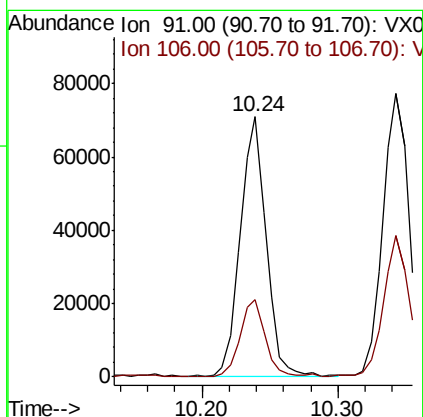
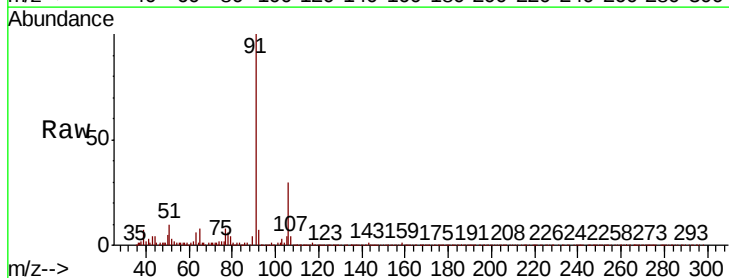
Instrument :
MSVOA_X
ClientSampleId :
400408742.3-VOA

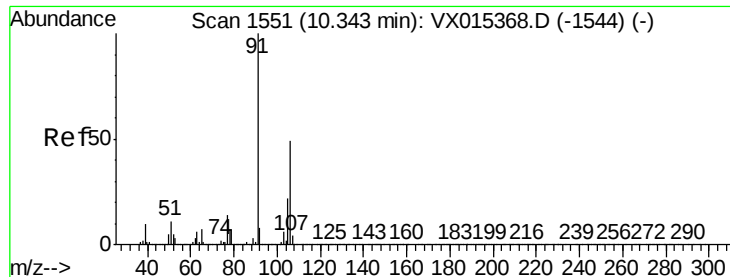
Tot Ion:112 Resp: 17488
Ion Ratio Lower Upper
112 100
114 30.7 25.5 38.3



#67
Ethyl Benzene
Concen: 1.656 ug/l
RT: 10.24 min Scan# 1534
Delta R.T. -0.00 min
Lab File: VX015624.D
Acq: 10 Apr 2020 16:19

Tgt Ion: 91 Resp: 93460
Ion Ratio Lower Upper
91 100
106 29.6 24.8 37.2





#68

m/p-Xylenes

Concen: 2.465 ug/l

RT: 10.34 min Scan# 1551

Delta R.T. -0.00 min

Lab File: VX015624.D

Acq: 10 Apr 2020 16:19

Instrument :

MSVOA_X

ClientSampleId :

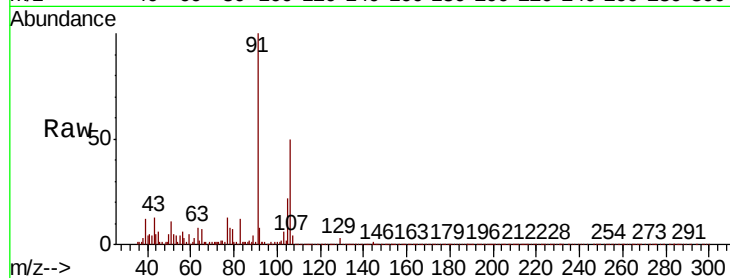
400408742.3-VOA

Tot Ion:106 Resp: 51808

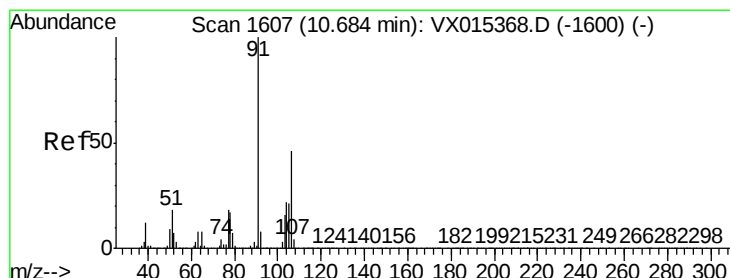
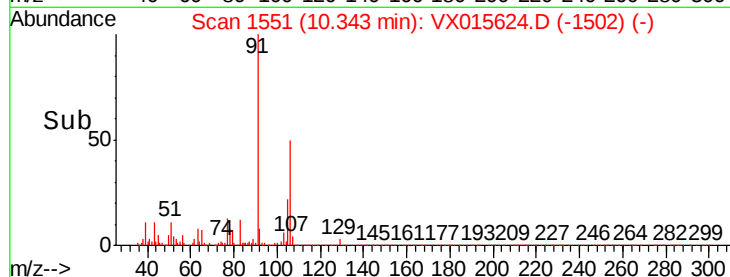
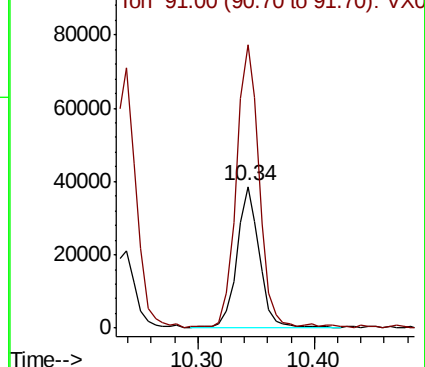
Ion Ratio Lower Upper

106 100

91 200.0 163.4 245.0



Abundance Ion 106.00 (105.70 to 106.70): V



#69

o-Xylene

Concen: 1.793 ug/l

RT: 10.68 min Scan# 1607

Delta R.T. -0.00 min

Lab File: VX015624.D

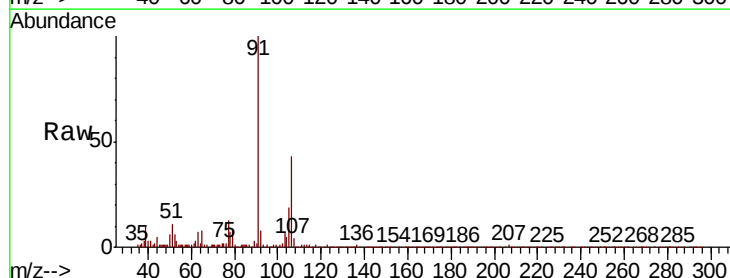
Acq: 10 Apr 2020 16:19

Tgt Ion:106 Resp: 37242

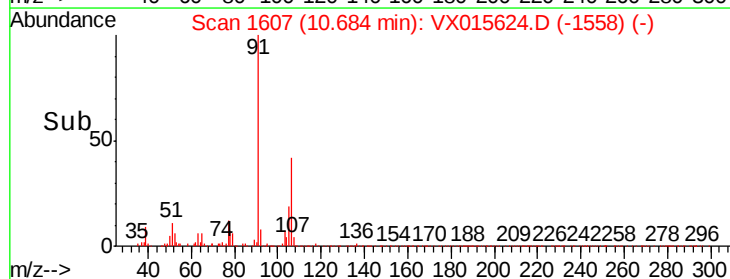
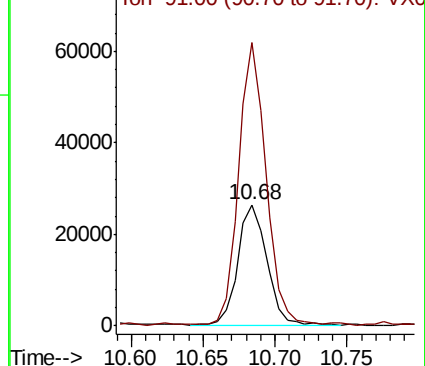
Ion Ratio Lower Upper

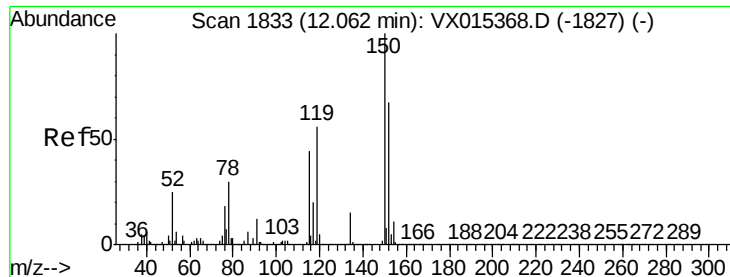
106 100

91 216.2 107.1 321.3



Abundance Ion 106.00 (105.70 to 106.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015624.D

Acq: 10 Apr 2020 16:19

Instrument :

MSVOA_X

ClientSampleId :

400408742.3-VOA

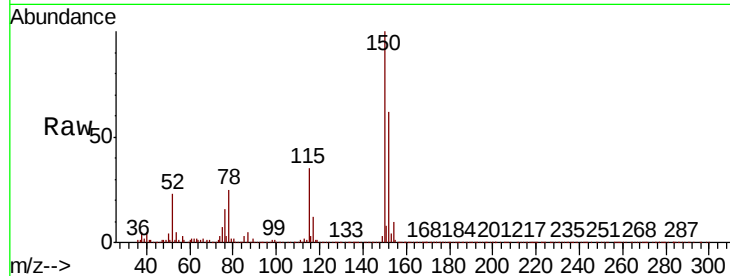
Tot Ion:152 Resp: 873807

Ion Ratio Lower Upper

152 100

115 57.6 39.0 116.9

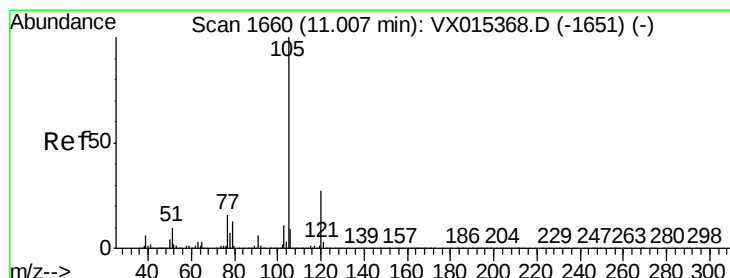
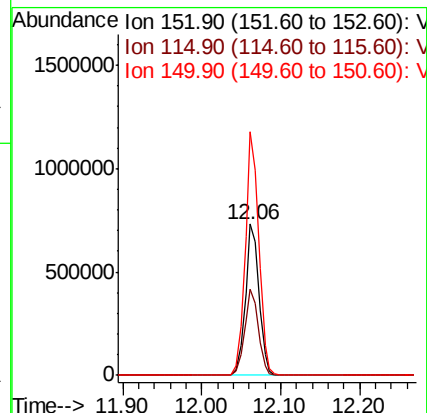
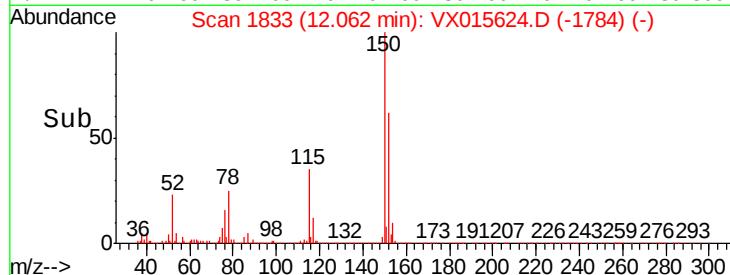
150 160.9 0.0 340.8



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



#73

Isopropylbenzene

Concen: 1.420 ug/l

RT: 11.01 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VX015624.D

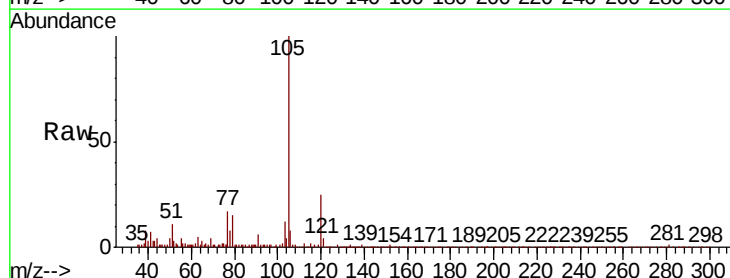
Acq: 10 Apr 2020 16:19

Tgt Ion:105 Resp: 81291

Ion Ratio Lower Upper

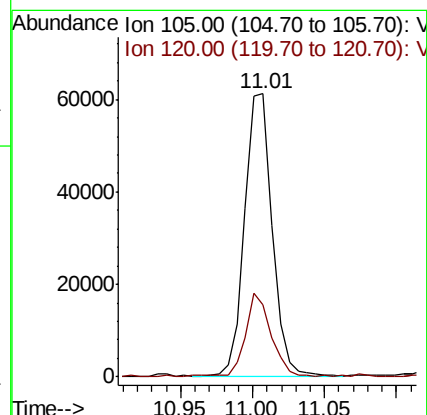
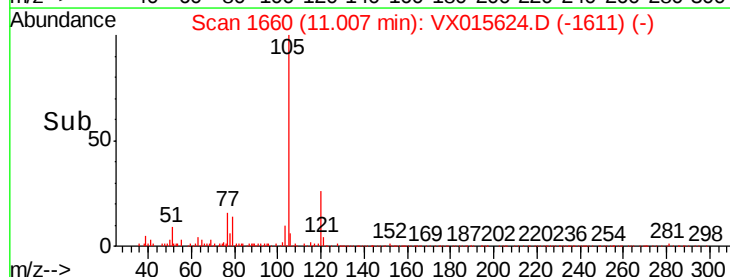
105 100

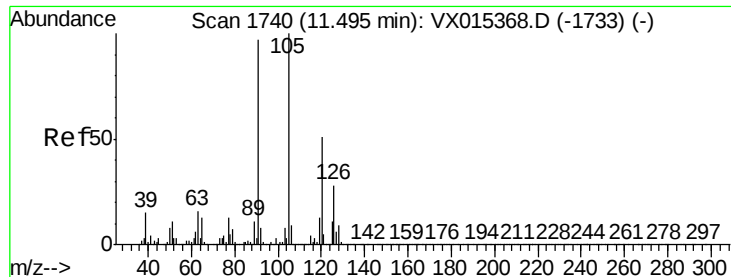
120 27.5 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

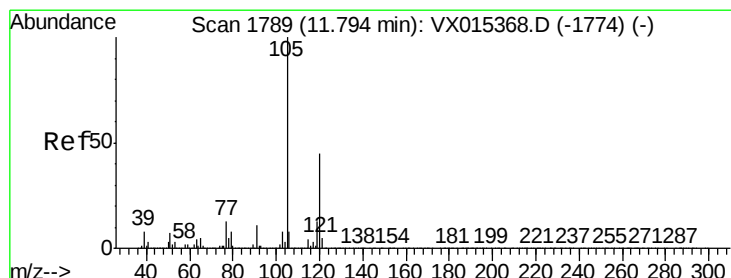
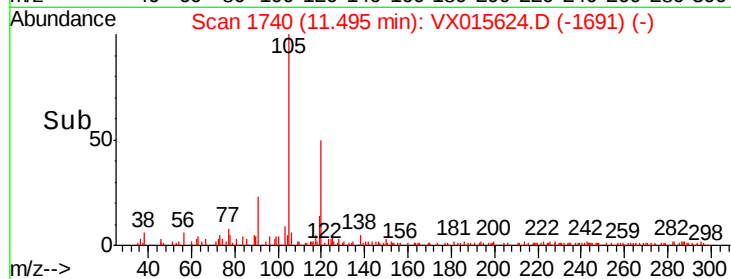
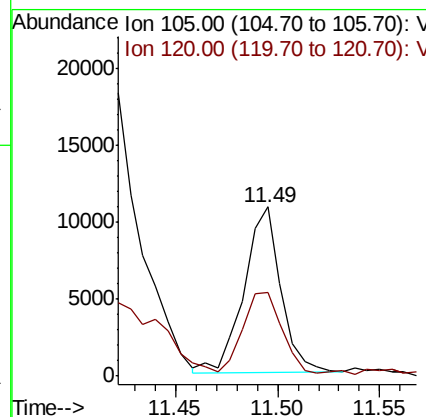
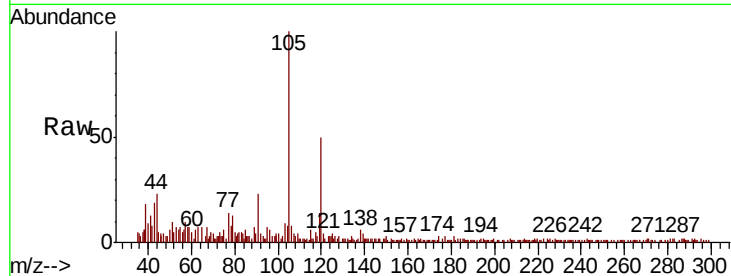




#80
 1,3,5-Trimethylbenzene
 Concen: 0.273 ug/l
 RT: 11.49 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VX015624.D
 Acq: 10 Apr 2020 16:19

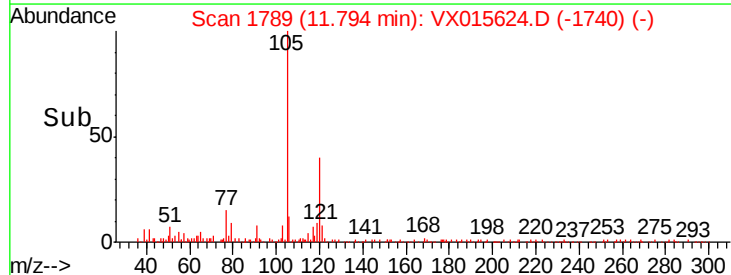
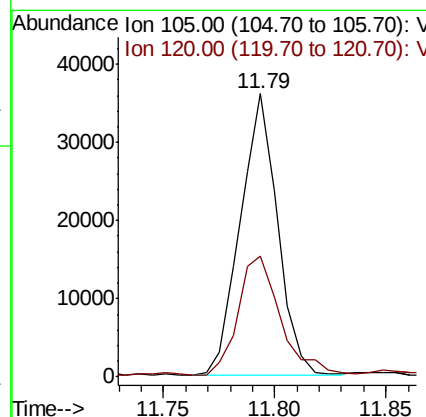
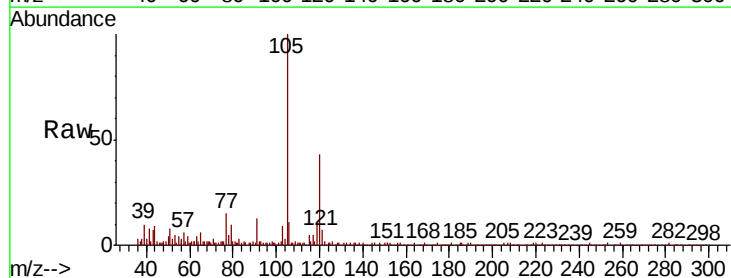
Instrument :
 MSVOA_X
 ClientSampleId :
 400408742.3-VOA

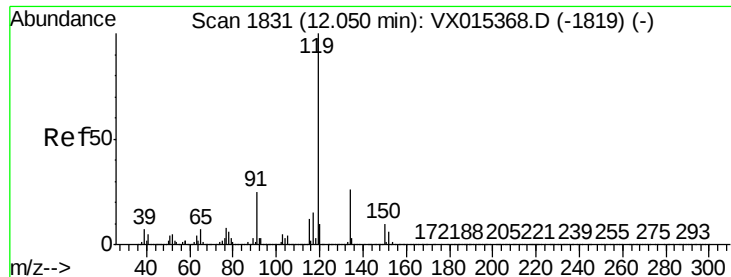
Tot Ion:105 Resp: 13365
 Ion Ratio Lower Upper
 105 100
 120 51.2 24.8 74.4



#84
 1,2,4-Trimethylbenzene
 Concen: 0.838 ug/l
 RT: 11.79 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX015624.D
 Acq: 10 Apr 2020 16:19

Tgt Ion:105 Resp: 41761
 Ion Ratio Lower Upper
 105 100
 120 48.8 22.7 68.1

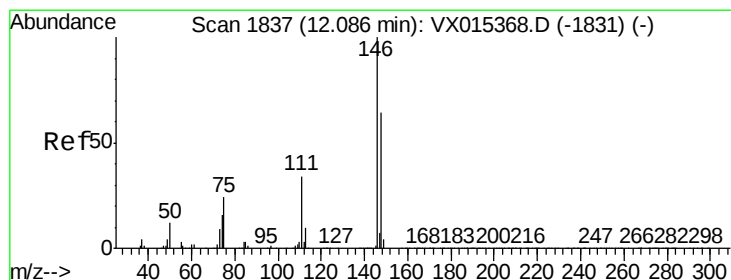
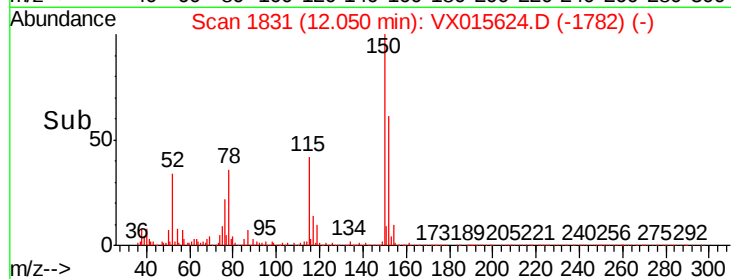
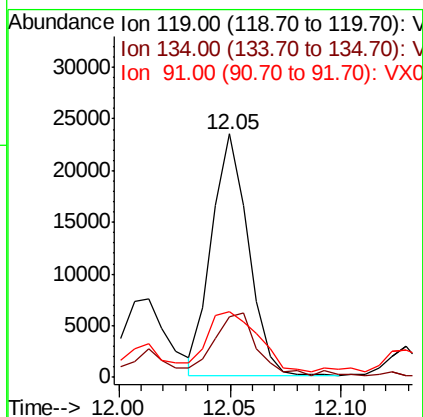
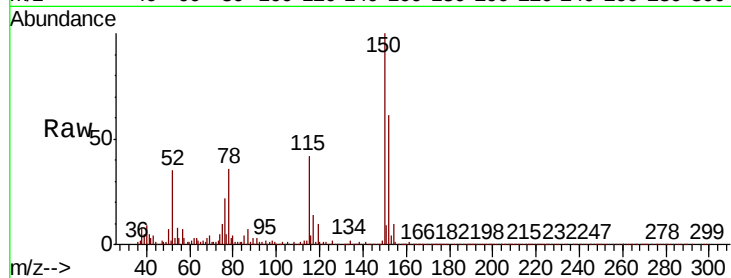




#86
p-Isopropyltoluene
Concen: 0.517 ug/l
RT: 12.05 min Scan# 1831
Delta R.T. -0.00 min
Lab File: VX015624.D
Acq: 10 Apr 2020 16:19

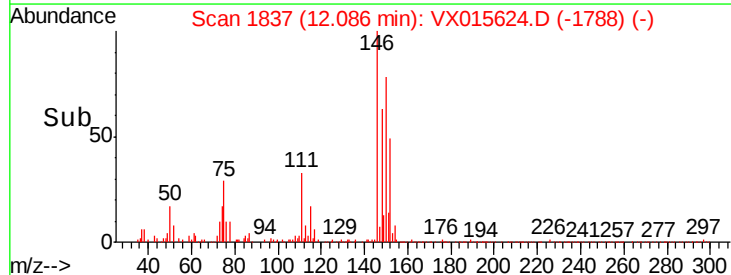
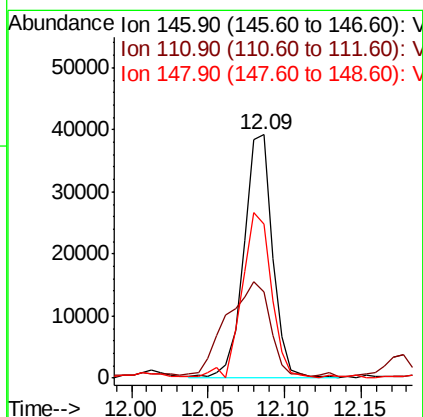
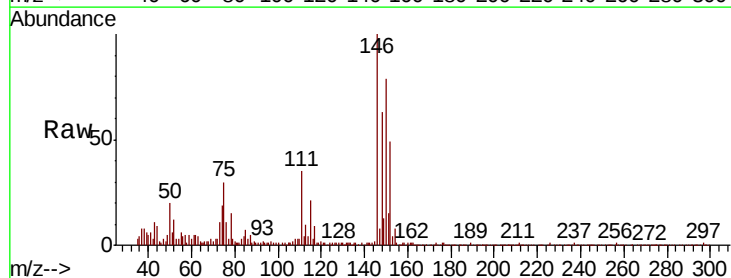
Instrument :
MSVOA_X
ClientSampleId :
400408742.3-VOA

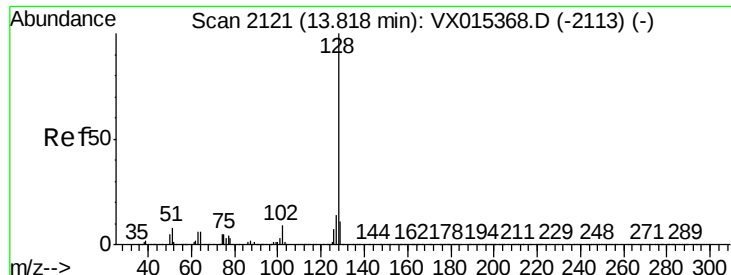
Tot Ion	Ratio	Lower	Upper
119	100		
134	32.2	13.1	39.3
91	35.3	12.4	37.4



#88
1,4-Dichlorobenzene
Concen: 1.807 ug/l
RT: 12.09 min Scan# 1837
Delta R.T. -0.00 min
Lab File: VX015624.D
Acq: 10 Apr 2020 16:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	60.2	19.1	57.5#
148	70.3	32.4	97.2





#95
Naphthalene
Concen: 4.000 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. -0.00 min
Lab File: VX015624.D
Acq: 10 Apr 2020 16:19

Instrument :
MSVOA_X
ClientSampleId :
400408742.3-VOA

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	15.8
129	11.0	8.8	13.2

