

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040620\
 Data File : VX015524.D
 Acq On : 06 Apr 2020 19:35
 Operator : JC/SP
 Sample : L2164-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ROLL-OFF-COMP

Quant Time: Apr 07 05:06:30 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	1161854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1869156	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1773990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	996818	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	768814	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	
35) Dibromofluoromethane	5.47	113	586779	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
50) Toluene-d8	8.70	98	2235055	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	11.12	95	987678	55.25	ug/l	0.00
Spiked Amount			Recovery	=	110.50%	

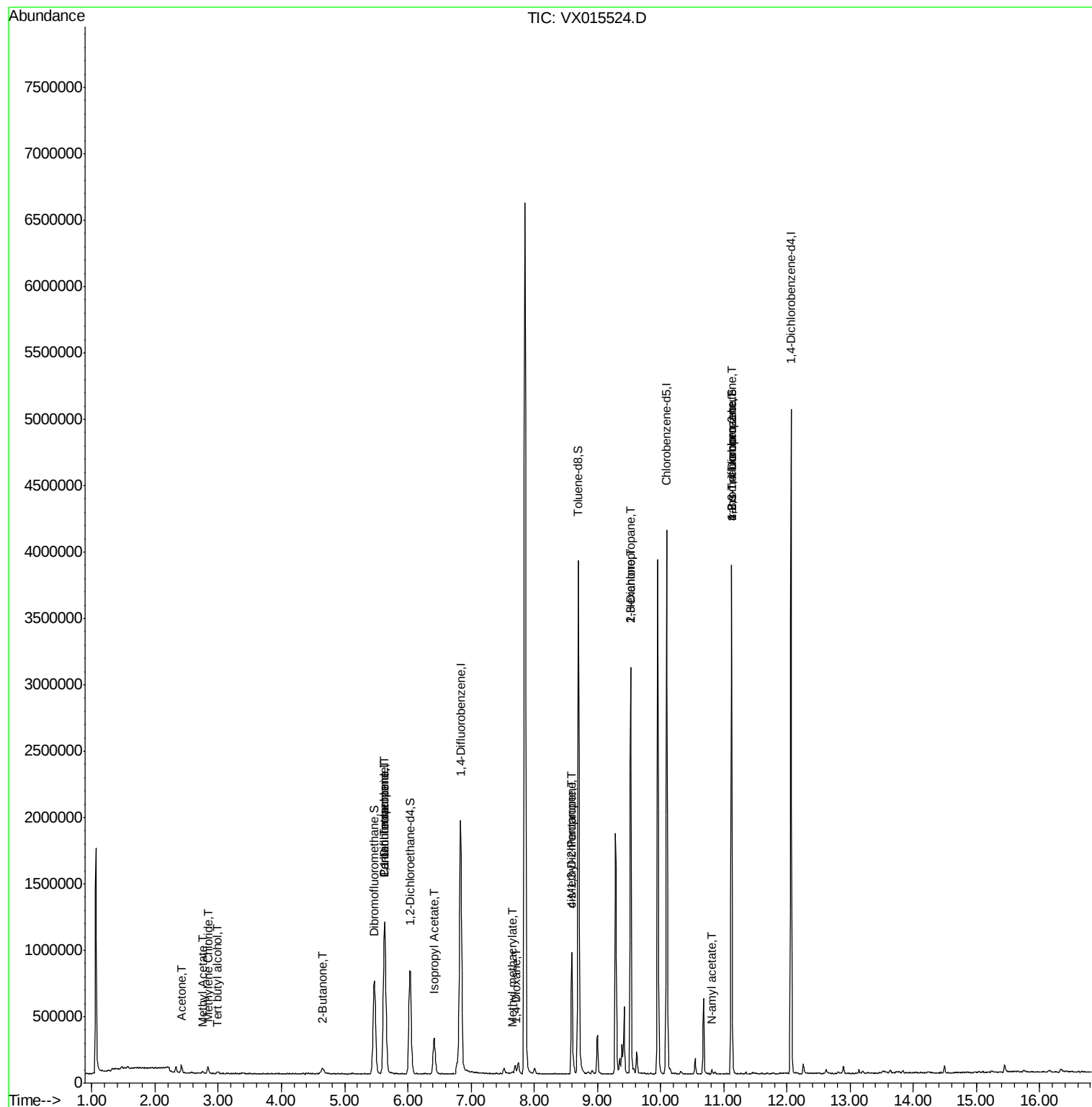
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	262	Below Cal		98
11) Tert butyl alcohol	2.99	59	9478	2.416	ug/l #	89
16) Acetone	2.42	43	64394	9.147	ug/l	97
18) Methyl Acetate	2.75	43	15430	0.859	ug/l	97
20) Methylene Chloride	2.84	84	21741	1.653	ug/l	94
25) 2-Butanone	4.65	43	14402	1.272	ug/l #	75
36) 1,1-Dichloropropene	5.63	75	85460	4.962	ug/l #	51
38) Carbon Tetrachloride	5.64	117	107050	5.739	ug/l #	15
43) Isopropyl Acetate	6.42	43	398255	10.521	ug/l	99
48) Methyl methacrylate	7.65	41	21225	1.123	ug/l #	20
49) 1,4-Dioxane	7.72	88	304	0.862	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	368505	17.177	ug/l #	52
54) cis-1,3-Dichloropropene	8.59	75	148275	6.434	ug/l #	53
57) 1,3-Dichloropropane	9.53	76	25758	1.122	ug/l #	42
59) 2-Hexanone	9.53	43	398253	24.589	ug/l #	51
74) N-amyl acetate	10.81	43	21317	0.587	ug/l #	51
76) 1,2,3-Trichloropropane	11.12	75	508274	24.795	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	508274	59.495	ug/l #	10

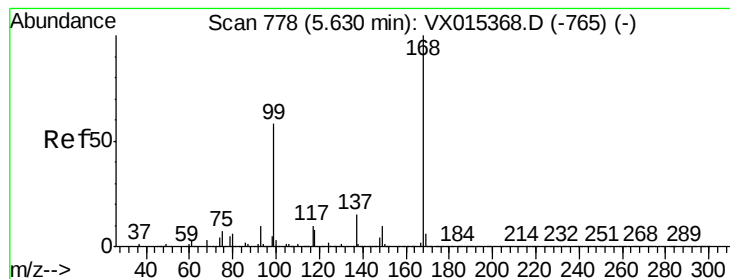
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040620\
Data File : VX015524.D
Acq On : 06 Apr 2020 19:35
Operator : JC/SP
Sample : L2164-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ROLL-OFF-COMP

Quant Time: Apr 07 05:06:30 2020
Quant Method : Z:\V0ASRV\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: VX015524.D

Acq: 06 Apr 2020 19:35

Instrument :

MSVOA_X

ClientSampleId :

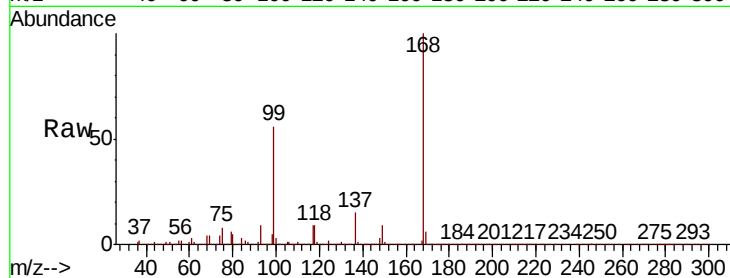
ROLL-OFF-COMP

Tot Ion:168 Resp: 1161854

Ion Ratio Lower Upper

168 100

99 55.9 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

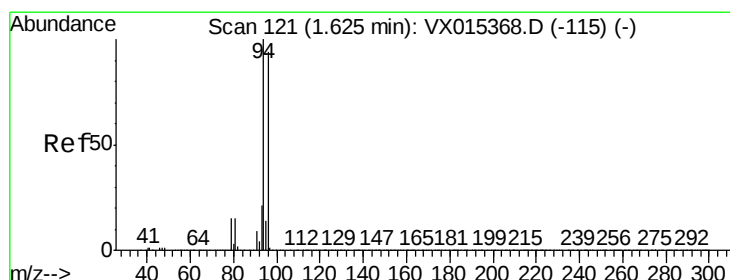
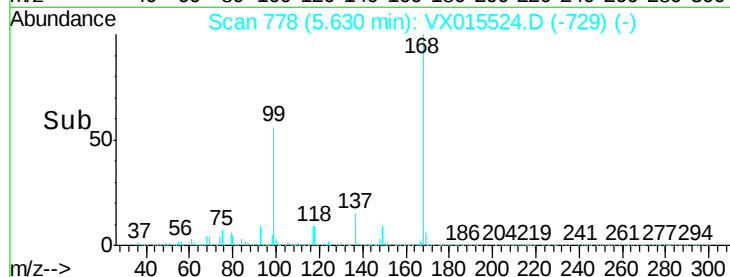
200000

100000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX015524.D

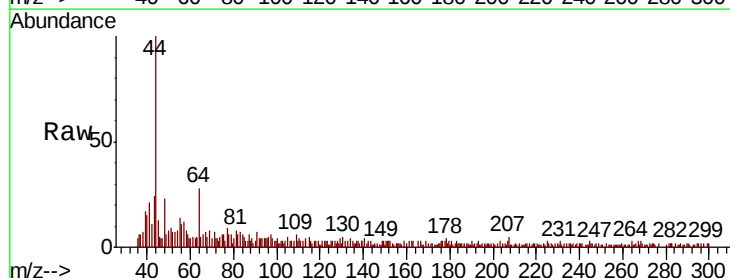
Acq: 06 Apr 2020 19:35

Tgt Ion: 94 Resp: 262

Ion Ratio Lower Upper

94 100

96 91.3 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

1000

800

600

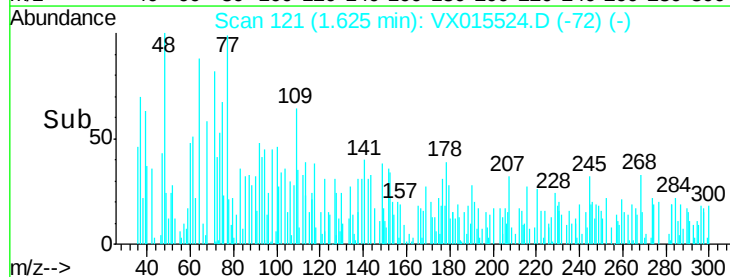
400

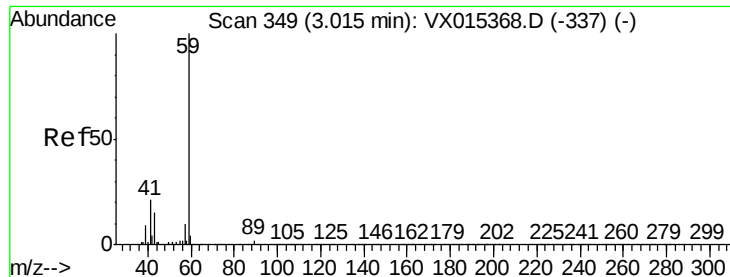
200

0

Time-->

1.60 1.61 1.62 1.63

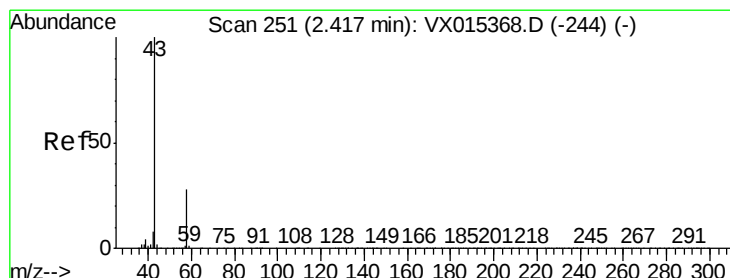
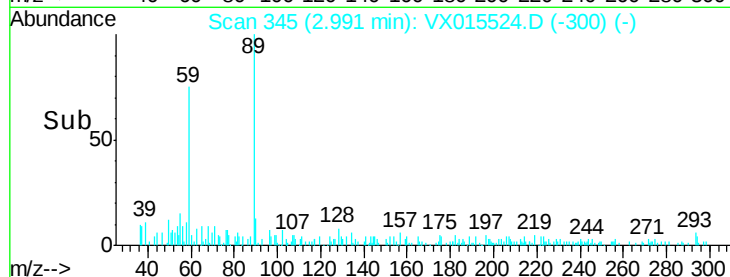
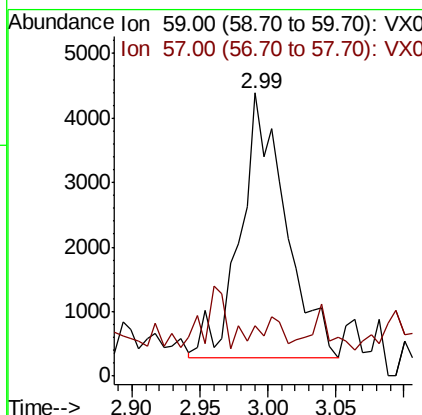
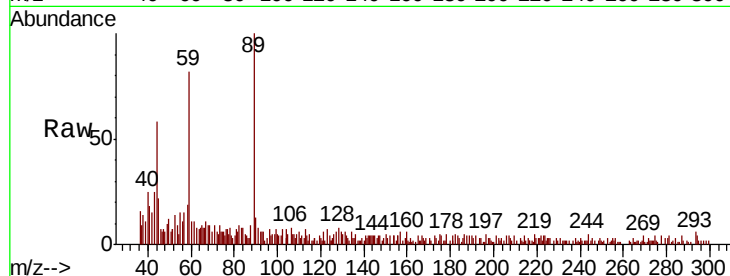




#11
Tert butyl alcohol
Concen: 2.416 ug/l
RT: 2.99 min Scan# 345
Delta R.T. -0.02 min
Lab File: VX015524.D
Acq: 06 Apr 2020 19:35

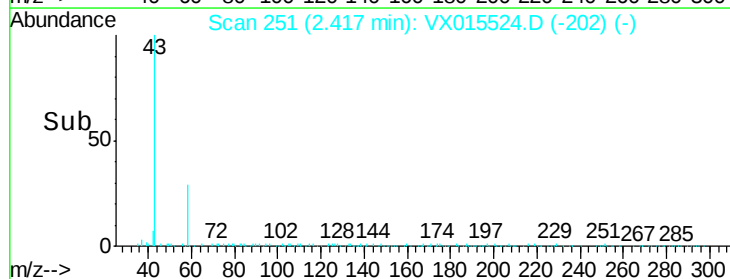
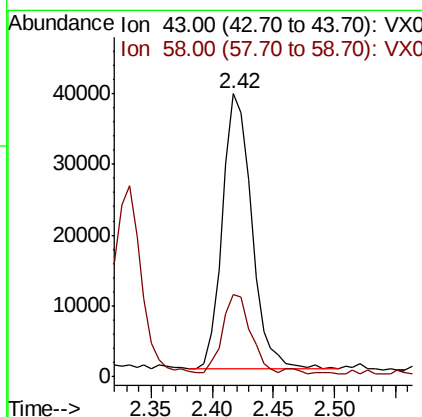
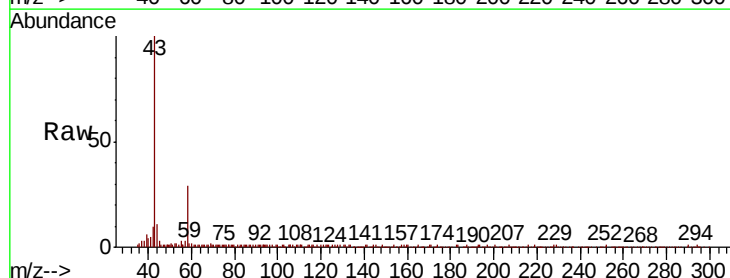
Instrument :
MSVOA_X
ClientSampleId :
ROLL-OFF-COMP

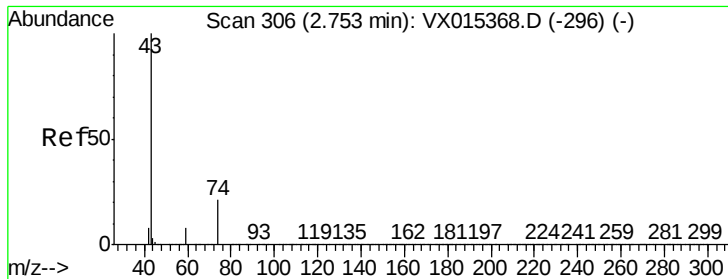
Tot Ion: 59 Resp: 9478
Ion Ratio Lower Upper
59 100
57 5.9 8.1 12.1#



#16
Acetone
Concen: 9.147 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015524.D
Acq: 06 Apr 2020 19:35

Tgt Ion: 43 Resp: 64394
Ion Ratio Lower Upper
43 100
58 29.1 22.1 33.1

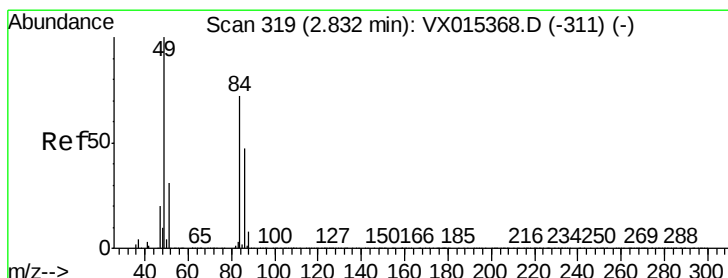
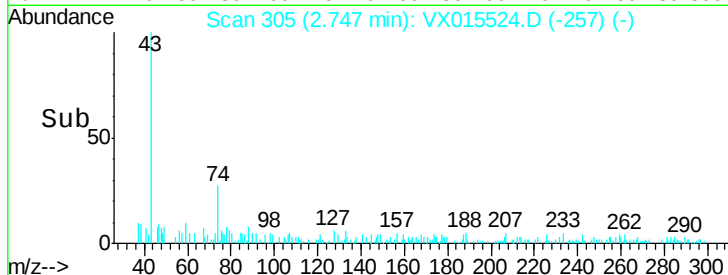
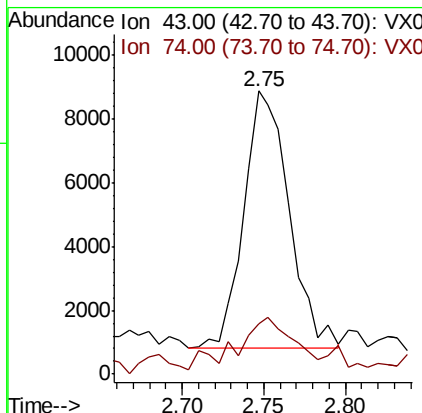
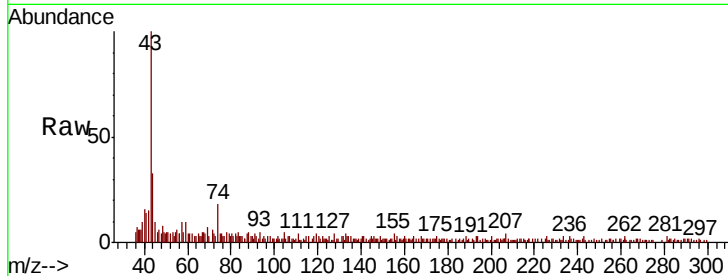




#18
Methyl Acetate
Concen: 0.859 ug/l
RT: 2.75 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX015524.D
Acq: 06 Apr 2020 19:35

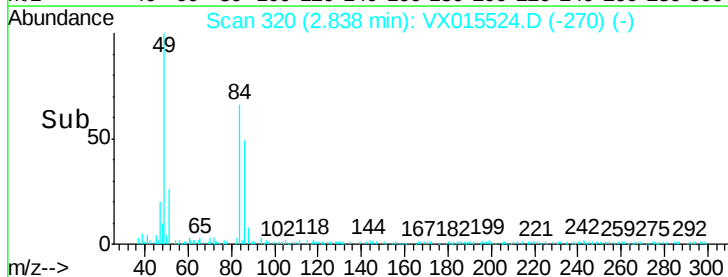
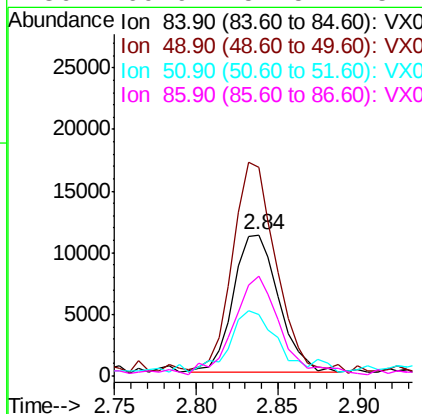
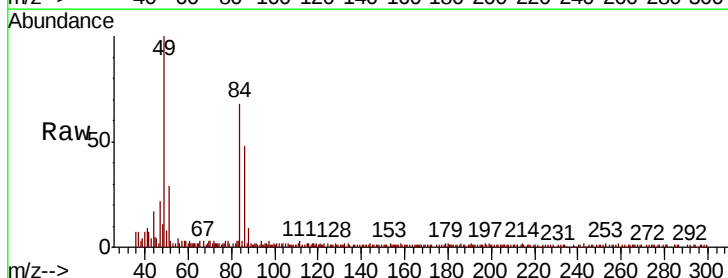
Instrument :
MSVOA_X
ClientSampleId :
ROLL-OFF-COMP

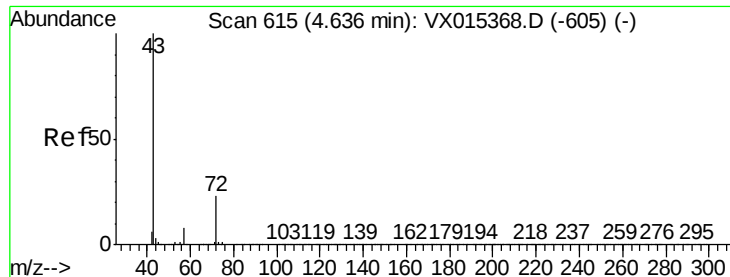
Tot Ion: 43 Resp: 15430
Ion Ratio Lower Upper
43 100
74 19.1 16.5 24.7



#20
Methylene Chloride
Concen: 1.653 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015524.D
Acq: 06 Apr 2020 19:35

Tgt Ion: 84 Resp: 21741
Ion Ratio Lower Upper
84 100
49 147.6 111.3 166.9
51 41.4 34.0 51.0
86 69.9 52.5 78.7





#25

2-Butanone

Concen: 1.272 ug/l

RT: 4.65 min Scan# 617

Delta R.T. 0.01 min

Lab File: VX015524.D

Acq: 06 Apr 2020 19:35

Instrument :

MSVOA_X

ClientSampleId :

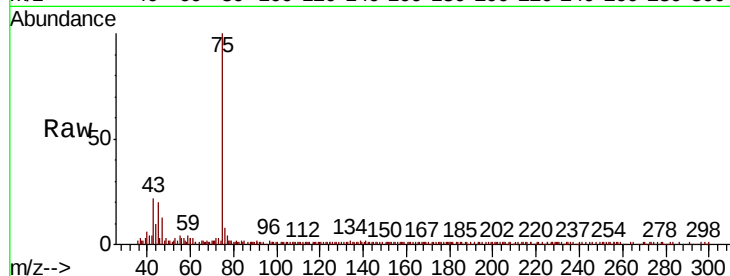
ROLL-OFF-COMP

Tot Ion: 43 Resp: 14402

Ion Ratio Lower Upper

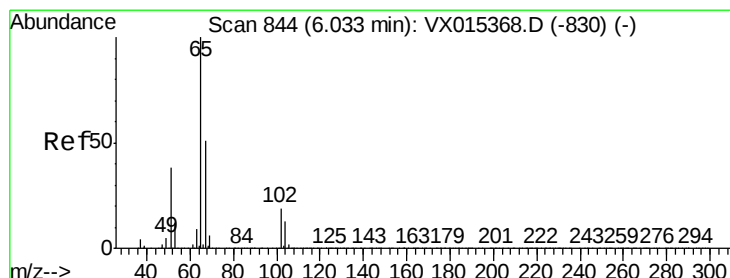
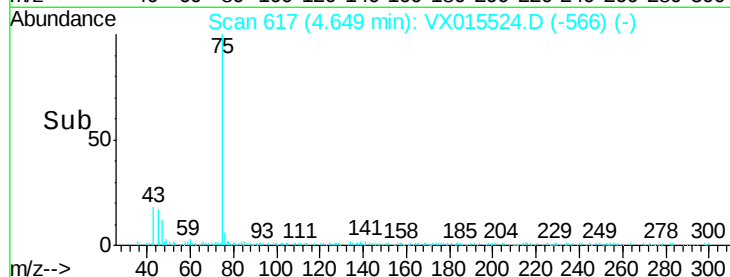
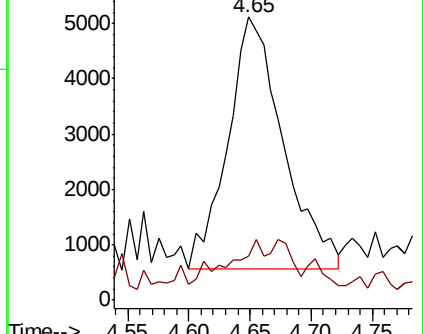
43 100

72 11.4 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.917 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015524.D

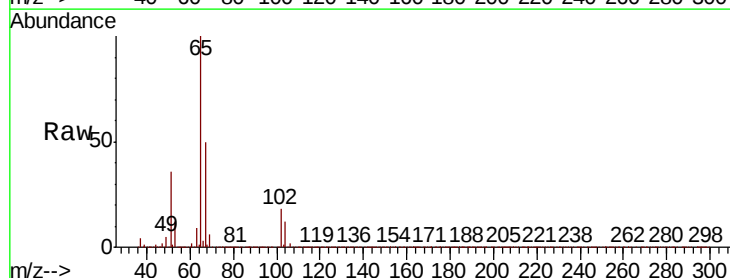
Acq: 06 Apr 2020 19:35

Tgt Ion: 65 Resp: 768814

Ion Ratio Lower Upper

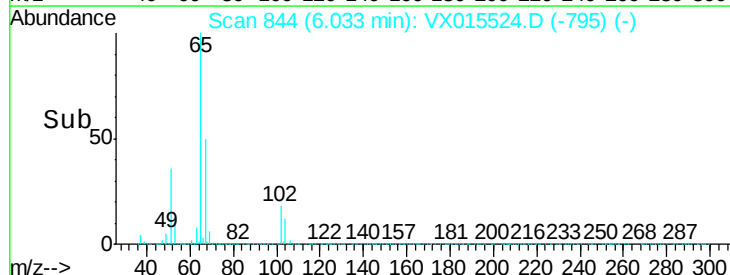
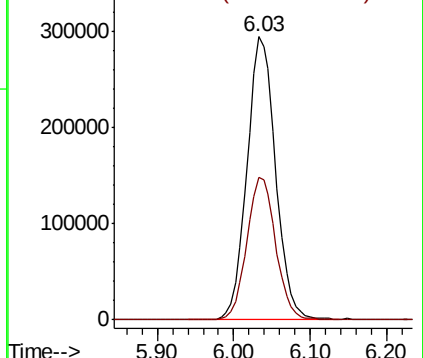
65 100

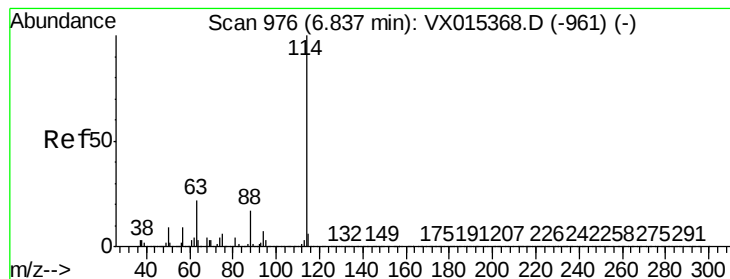
67 50.6 0.0 102.6



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: VX015524.D

Acq: 06 Apr 2020 19:35

Instrument :

MSVOA_X

ClientSampleId :

ROLL-OFF-COMP

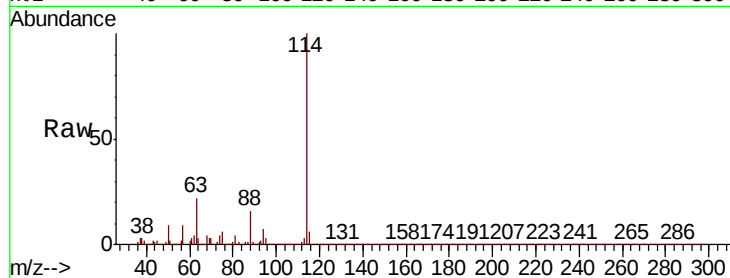
Tot Ion:114 Resp: 1869156

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.2

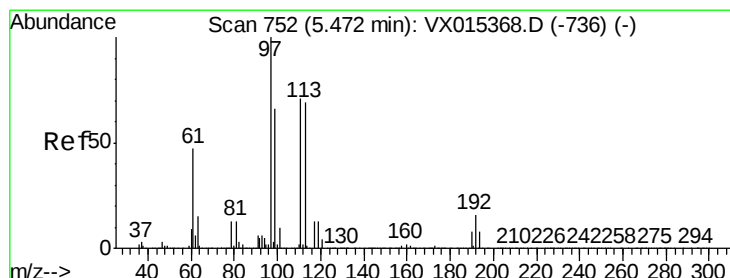
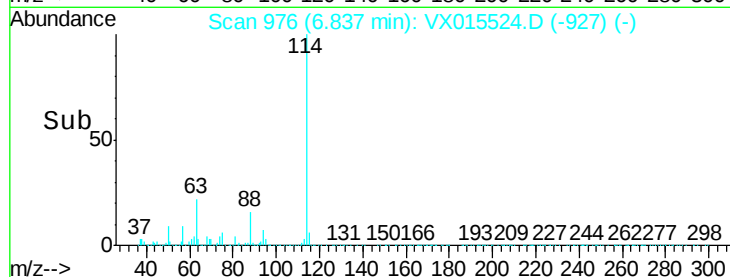
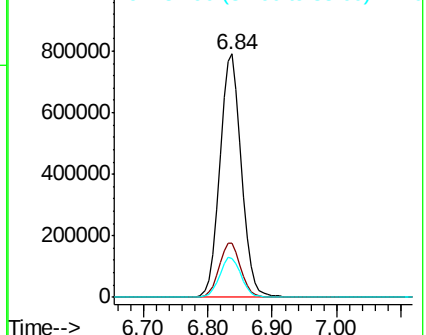
88 15.9 0.0 33.8



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: 49.110 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015524.D

Acq: 06 Apr 2020 19:35

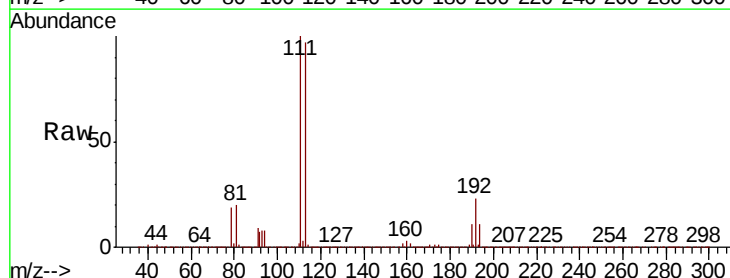
Tgt Ion:113 Resp: 586779

Ion Ratio Lower Upper

113 100

111 101.3 81.5 122.3

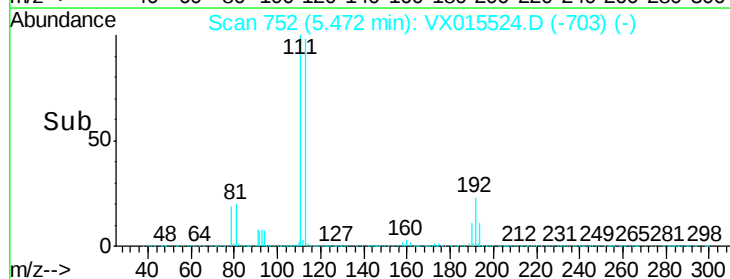
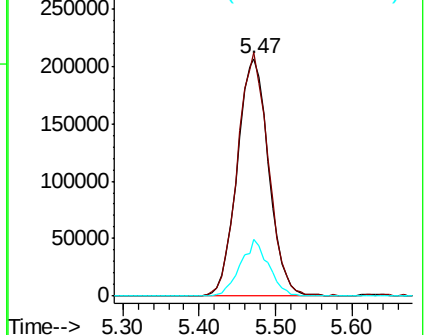
192 21.5 17.8 26.6

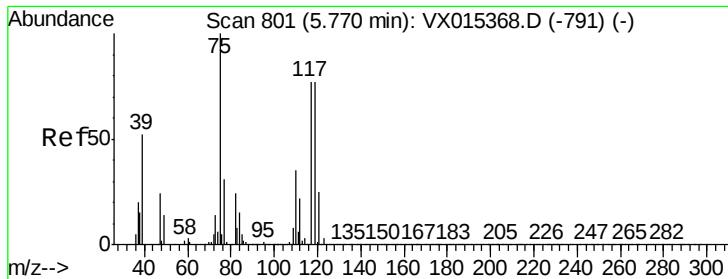


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.962 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015524.D

Acq: 06 Apr 2020 19:35

Instrument :

MSVOA_X

ClientSampleId :

ROLL-OFF-COMP

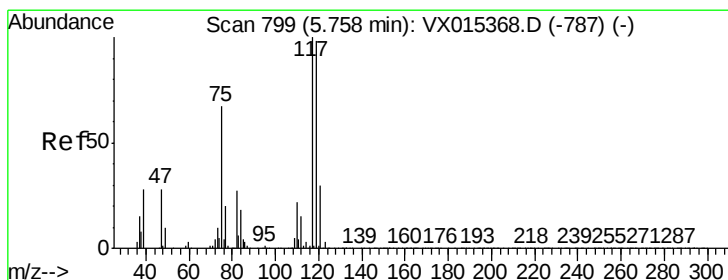
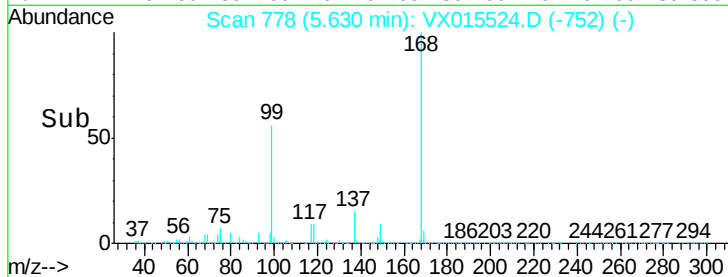
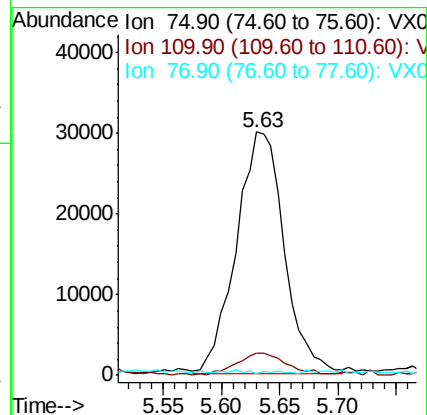
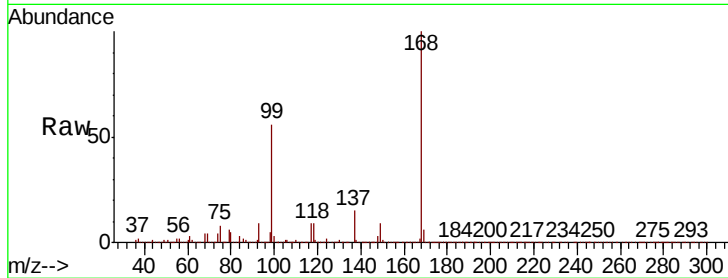
Tot Ion: 75 Resp: 85460

Ion Ratio Lower Upper

75 100

110 8.9 17.1 51.3#

77 0.6 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.739 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015524.D

Acq: 06 Apr 2020 19:35

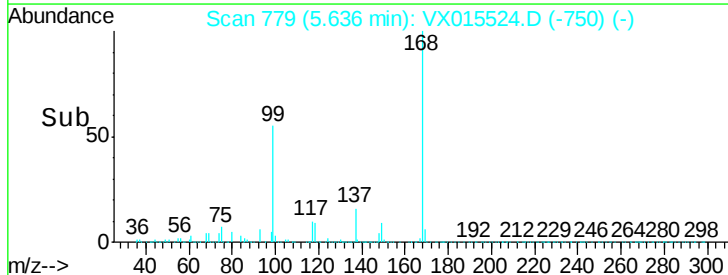
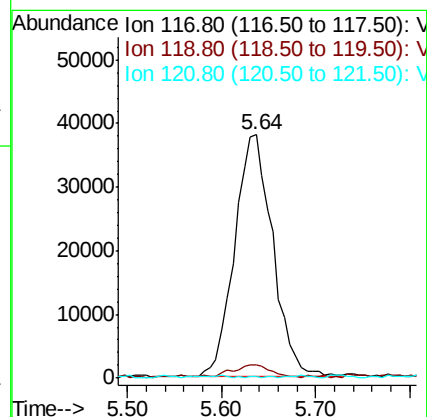
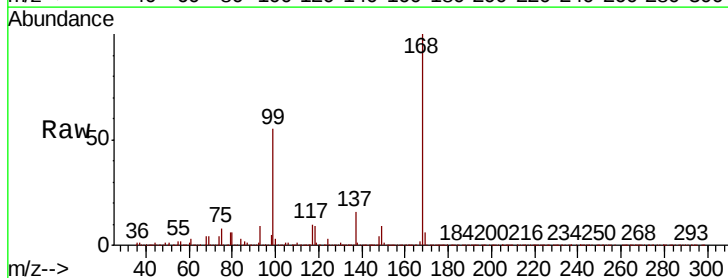
Tgt Ion: 117 Resp: 107050

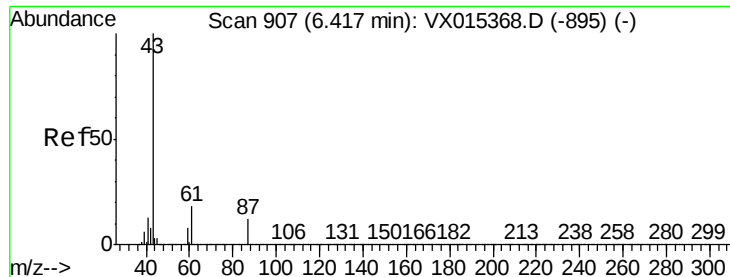
Ion Ratio Lower Upper

117 100

119 4.8 78.0 117.0#

121 0.0 23.8 35.8#



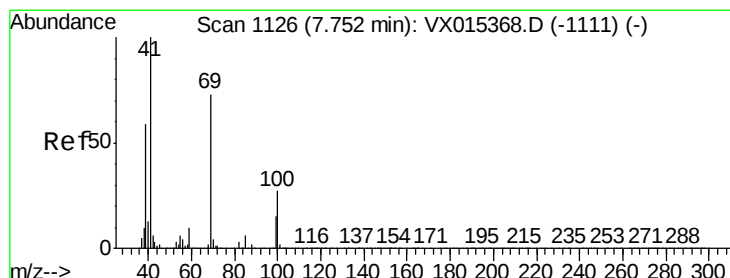
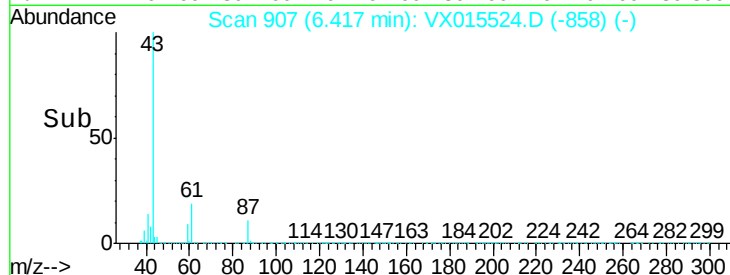
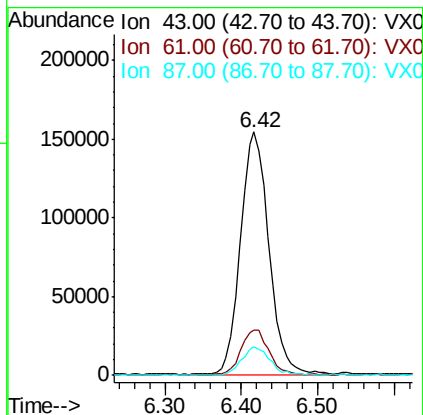
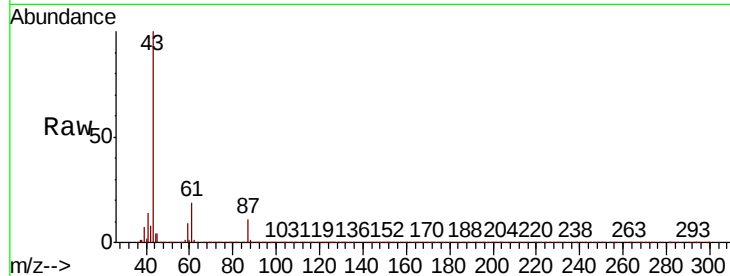


#43

Isopropyl Acetate
 Concen: 10.521 ug/l
 RT: 6.42 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: VX015524.D
 Acq: 06 Apr 2020 19:35

Instrument :
 MSVOA_X
 ClientSampleId :
 ROLL-OFF-COMP

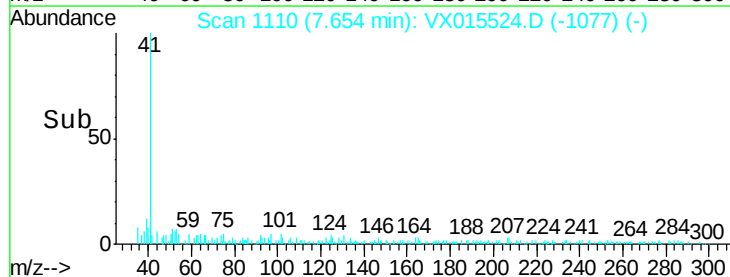
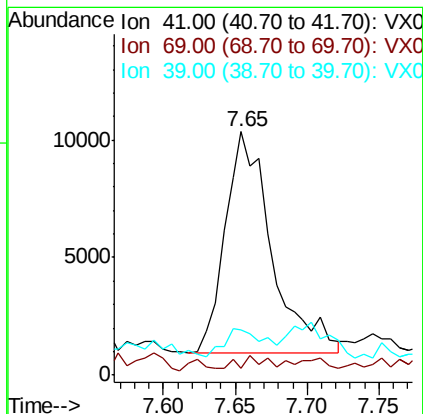
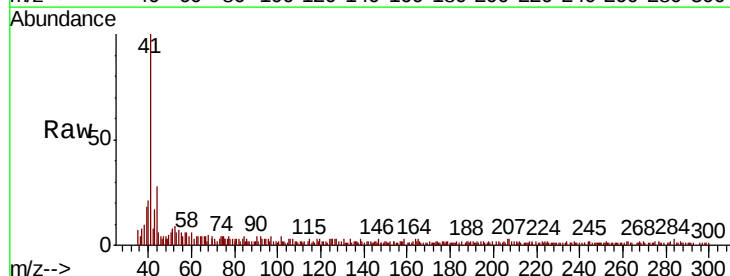
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.8	22.2
87	11.4	9.4	14.0

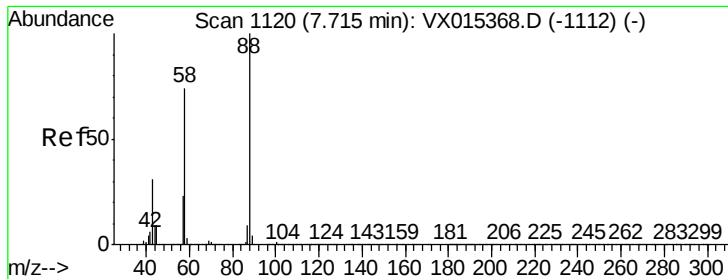


#48

Methyl methacrylate
 Concen: 1.123 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.10 min
 Lab File: VX015524.D
 Acq: 06 Apr 2020 19:35

Tgt Ion	Ratio	Lower	Upper
41	100		
69	2.8	56.7	85.1#
39	0.0	46.5	69.7#





#49

1,4-Dioxane

Concen: 0.862 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VX015524.D

Acq: 06 Apr 2020 19:35

Instrument :

MSVOA_X

ClientSampleId :

ROLL-OFF-COMP

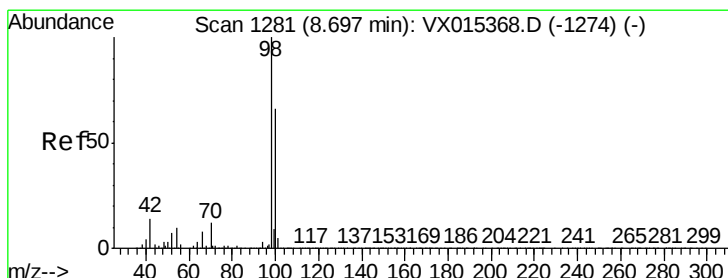
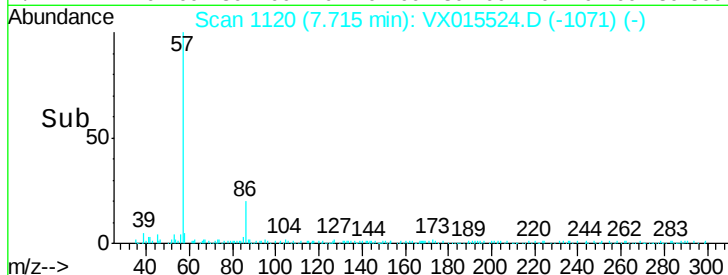
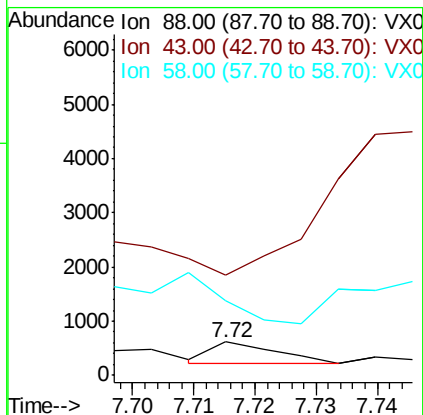
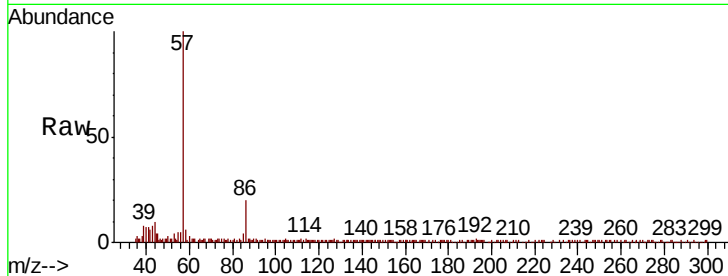
Tot Ion: 88 Resp: 304

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 1438.5 60.6 90.8#



#50

Toluene-d8

Concen: 50.808 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015524.D

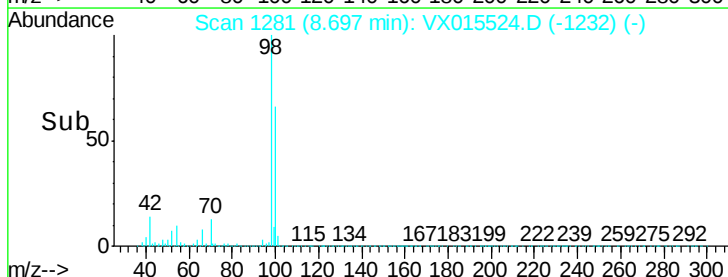
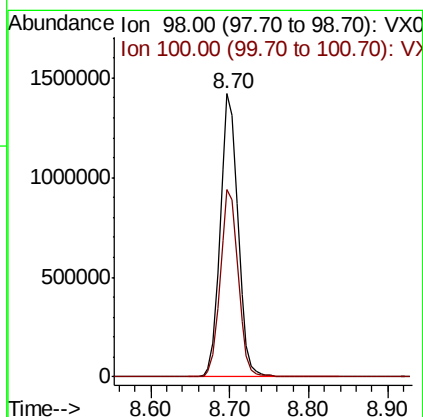
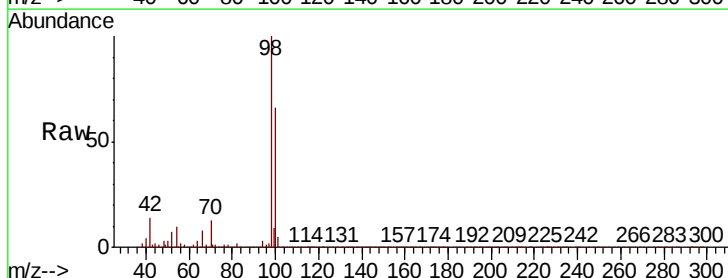
Acq: 06 Apr 2020 19:35

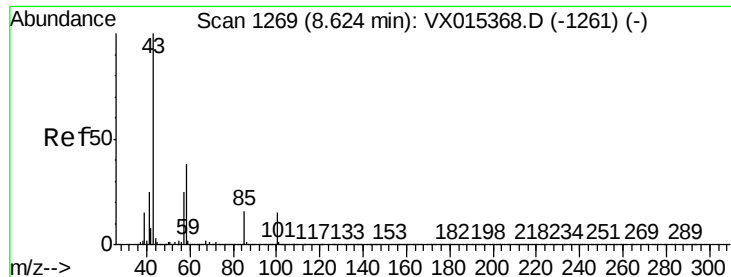
Tgt Ion: 98 Resp: 2235055

Ion Ratio Lower Upper

98 100

100 66.3 53.5 80.3

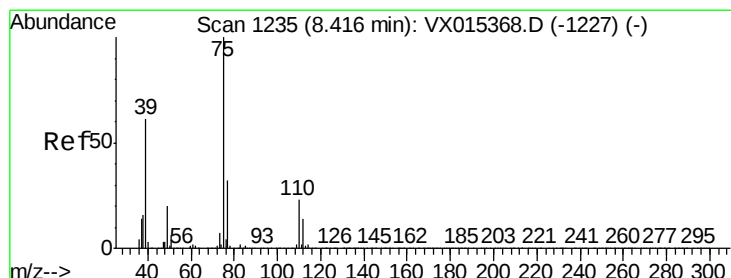
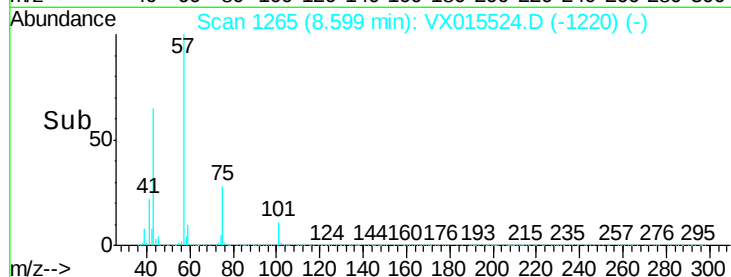
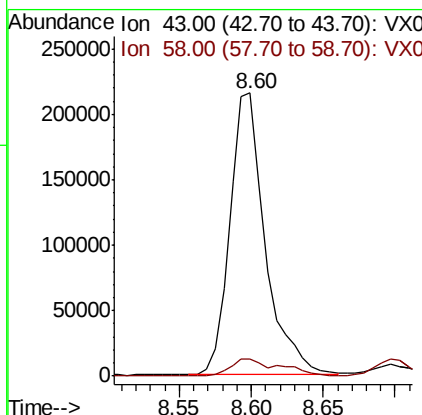
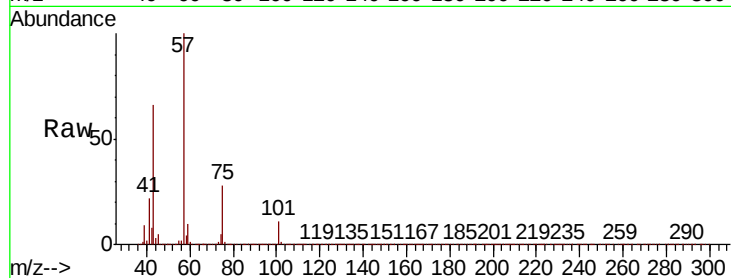




#51
 4-Methyl-2-Pentanone
 Concen: 17.177 ug/l
 RT: 8.60 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: VX015524.D
 Acq: 06 Apr 2020 19:35

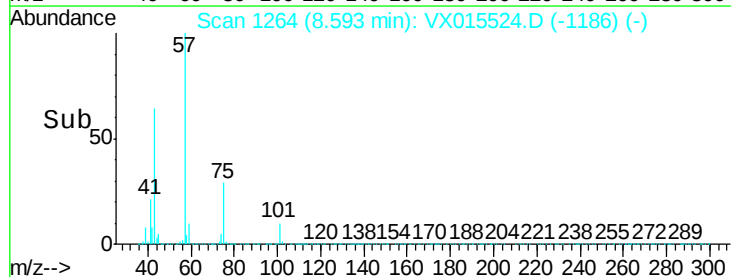
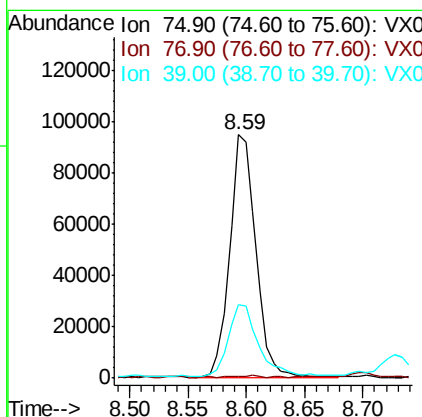
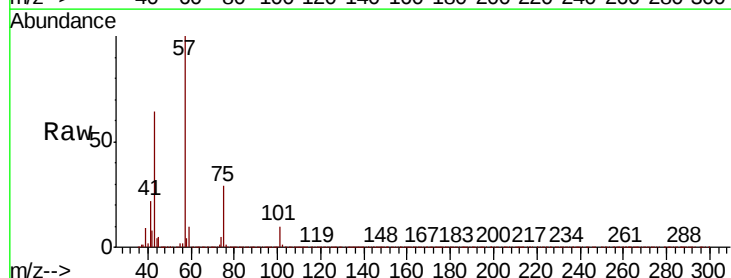
Instrument :
 MSVOA_X
 ClientSampleId :
 ROLL-OFF-COMP

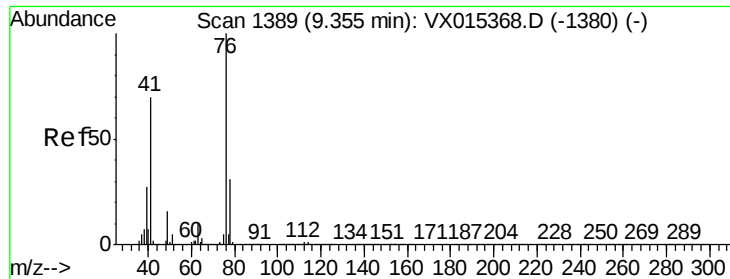
Tot Ion: 43 Resp: 368505
 Ion Ratio Lower Upper
 43 100
 58 8.6 29.7 44.5#



#54
 cis-1,3-Dichloropropene
 Concen: 6.434 ug/l
 RT: 8.59 min Scan# 1264
 Delta R.T. 0.18 min
 Lab File: VX015524.D
 Acq: 06 Apr 2020 19:35

Tgt Ion: 75 Resp: 148275
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.8 38.6#
 39 29.5 49.0 73.4#





#57

1,3-Dichloropropane

Concen: 1.122 ug/l

RT: 9.53 min Scan# 1417

Delta R.T. 0.17 min

Lab File: VX015524.D

Acq: 06 Apr 2020 19:35

Instrument :

MSVOA_X

ClientSampleId :

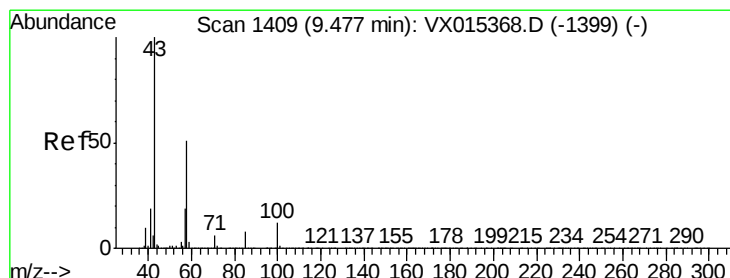
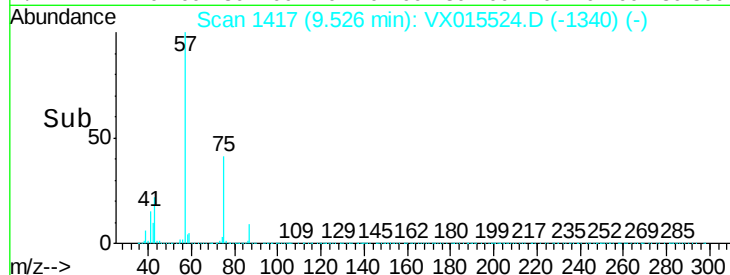
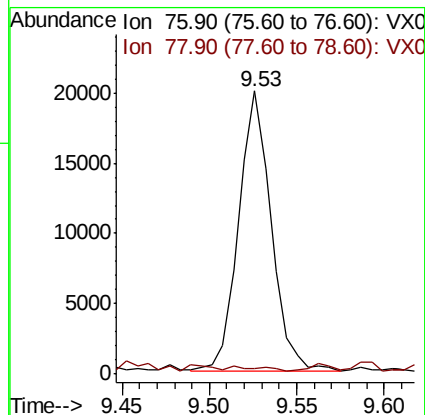
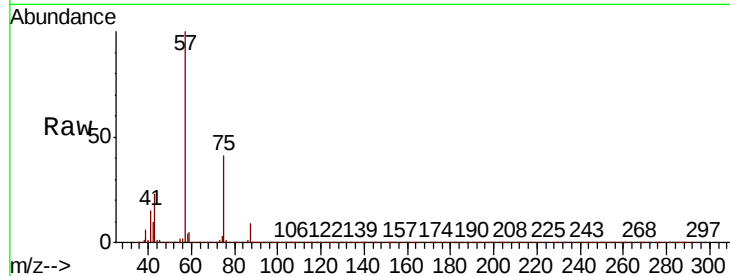
ROLL-OFF-COMP

Tot Ion: 76 Resp: 25758

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 24.589 ug/l

RT: 9.53 min Scan# 1417

Delta R.T. 0.05 min

Lab File: VX015524.D

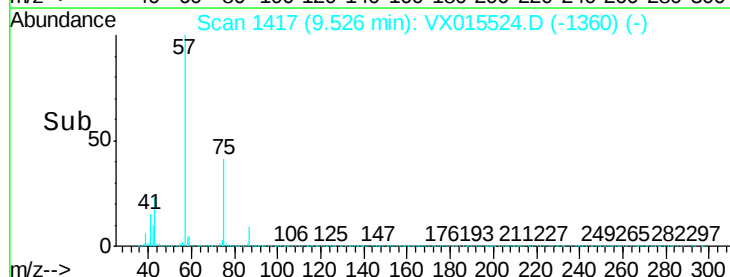
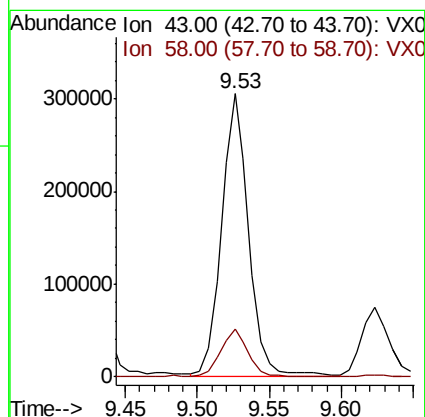
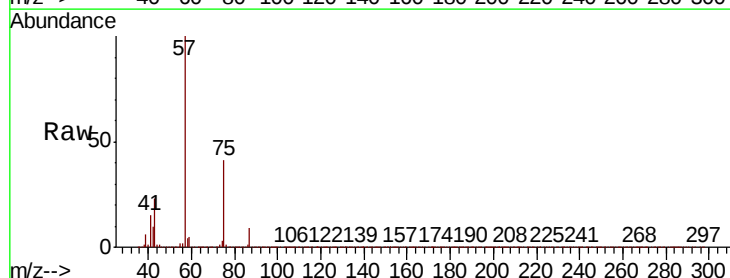
Acq: 06 Apr 2020 19:35

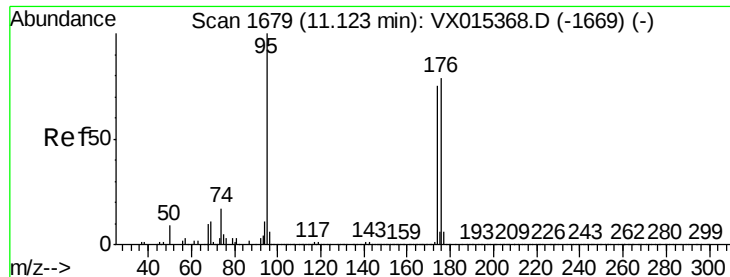
Tgt Ion: 43 Resp: 398253

Ion Ratio Lower Upper

43 100

58 16.8 25.6 76.6#





#62

4-Bromofluorobenzene

Concen: 55.247 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015524.D

Acq: 06 Apr 2020 19:35

Instrument :

MSVOA_X

ClientSampleId :

ROLL-OFF-COMP

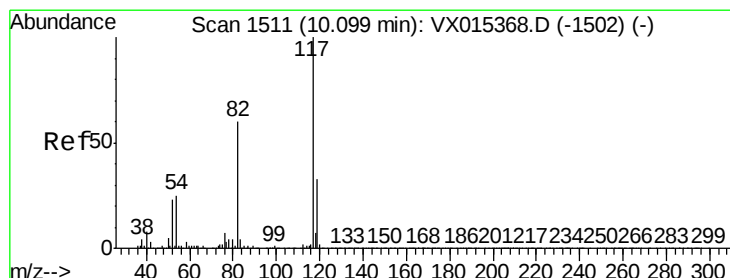
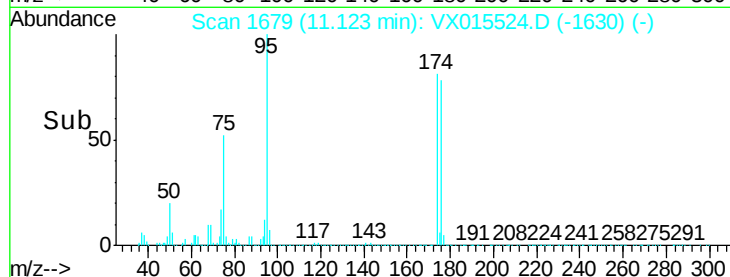
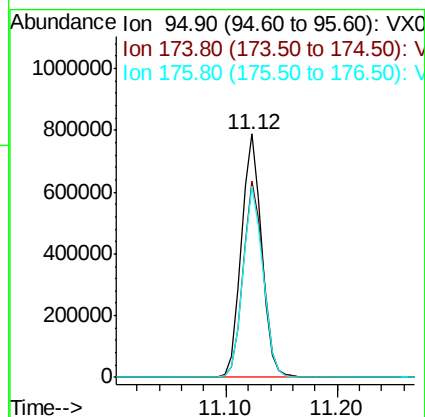
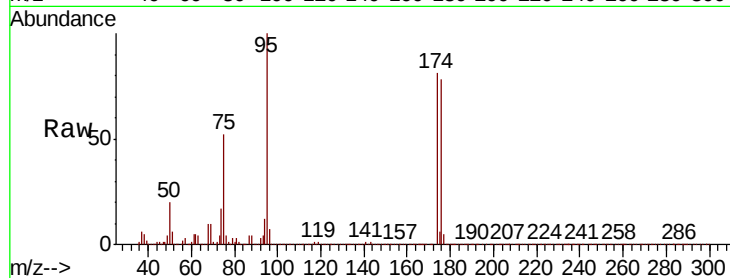
Tot Ion: 95 Resp: 987678

Ion Ratio Lower Upper

95 100

174 80.5 0.0 158.6

176 78.0 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: VX015524.D

Acq: 06 Apr 2020 19:35

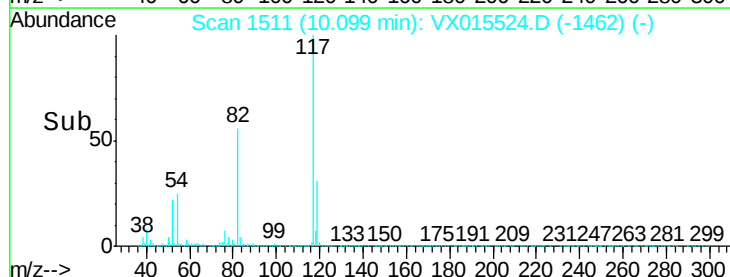
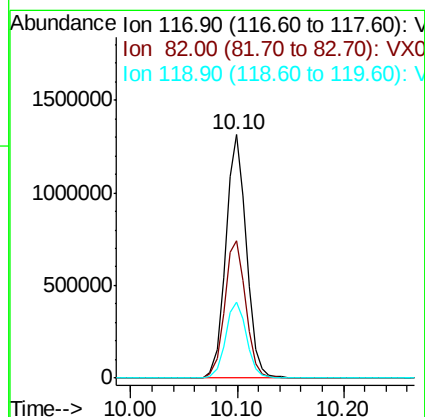
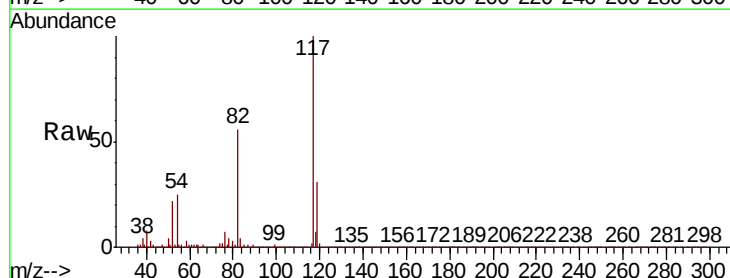
Tgt Ion: 117 Resp: 1773990

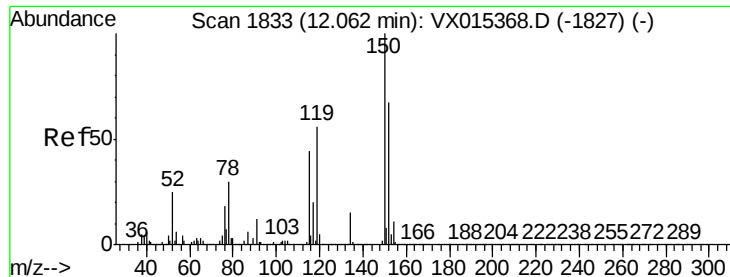
Ion Ratio Lower Upper

117 100

82 56.4 47.8 71.8

119 31.0 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: VX015524.D

Acq: 06 Apr 2020 19:35

Instrument :

MSVOA_X

ClientSampleId :

ROLL-OFF-COMP

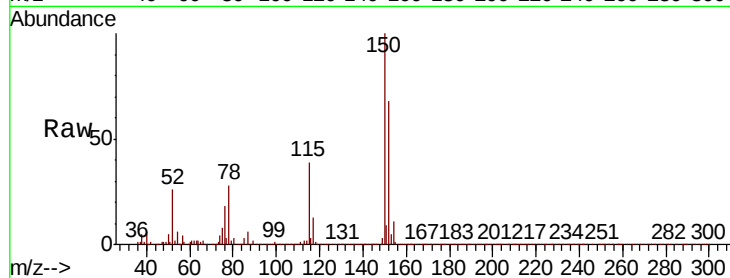
Tot Ion:152 Resp: 996818

Ion Ratio Lower Upper

152 100

115 58.3 39.0 116.9

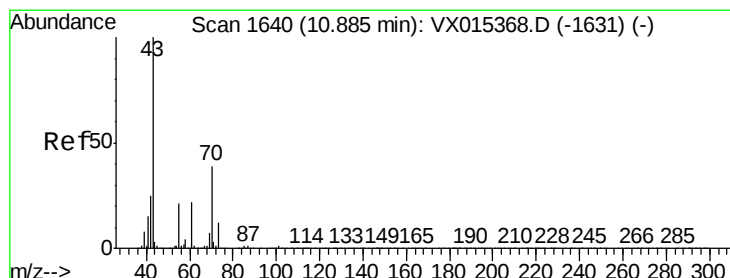
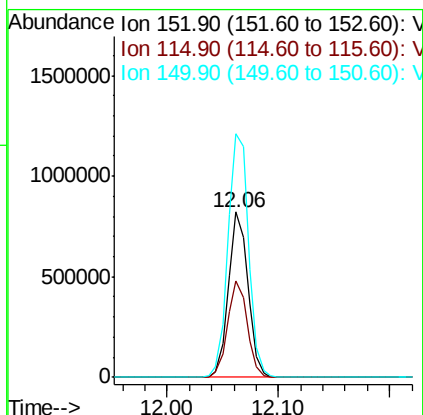
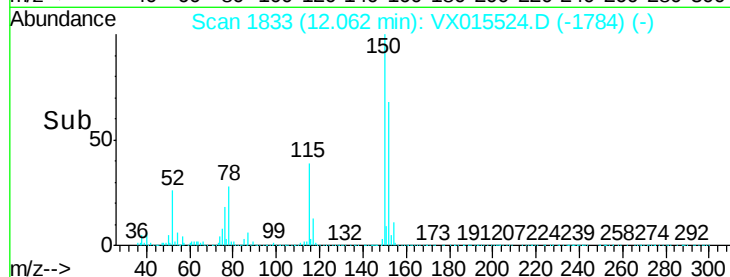
150 154.5 0.0 340.8



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



#74

N-ethyl acetate

Concen: 0.587 ug/l

RT: 10.81 min Scan# 1628

Delta R.T. -0.07 min

Lab File: VX015524.D

Acq: 06 Apr 2020 19:35

Tgt Ion: 43 Resp: 21317

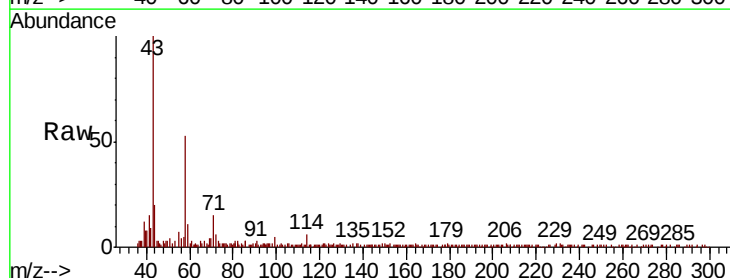
Ion Ratio Lower Upper

43 100

70 1.7 30.2 45.4#

55 5.8 16.8 25.2#

61 0.0 18.2 27.2#

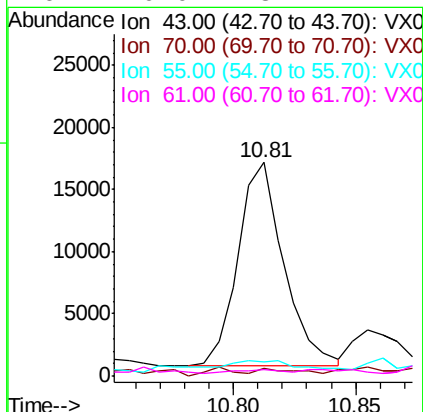
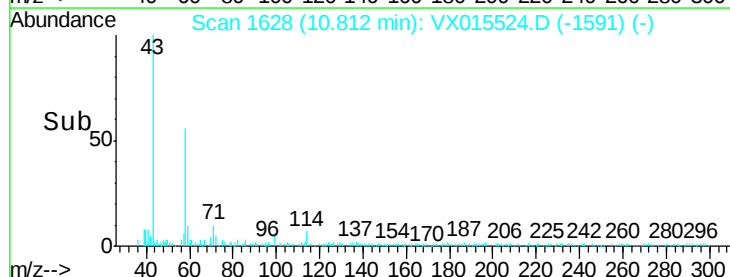


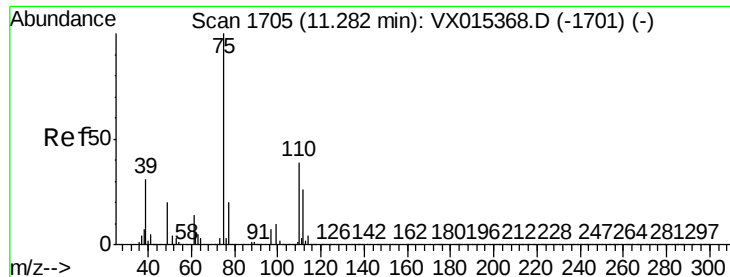
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 24.795 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015524.D

Acq: 06 Apr 2020 19:35

Instrument :

MSVOA_X

ClientSampleId :

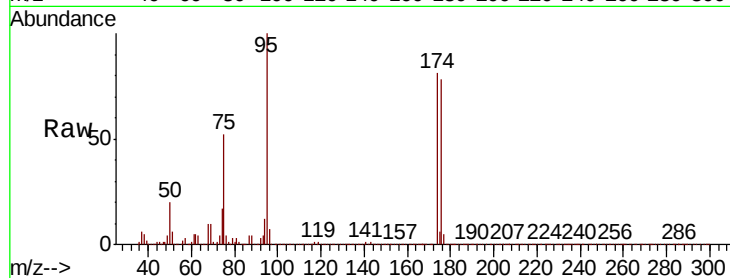
ROLL-OFF-COMP

Tot Ion: 75 Resp: 508274

Ion Ratio Lower Upper

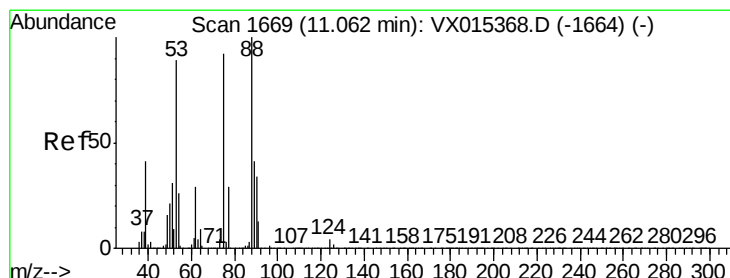
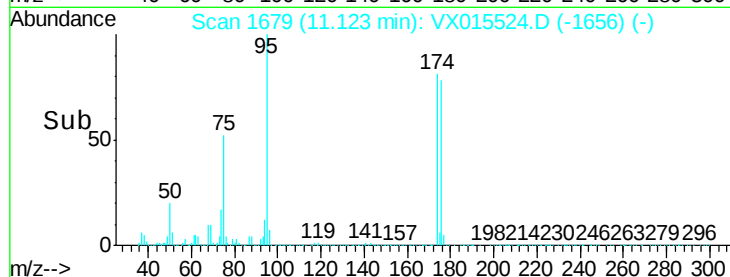
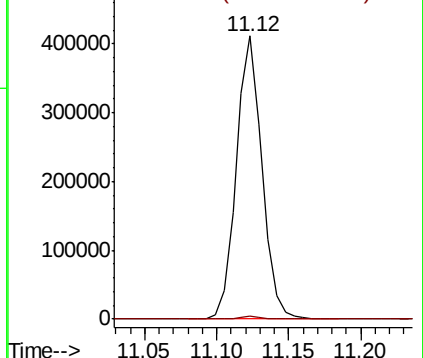
75 100

77 1.0 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: 59.495 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015524.D

Acq: 06 Apr 2020 19:35

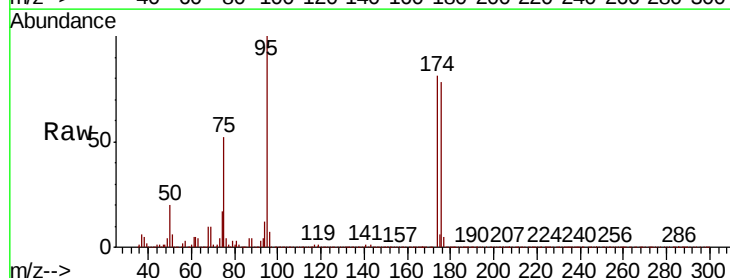
Tgt Ion: 75 Resp: 508274

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

