

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041620\
 Data File : VX015710.D
 Acq On : 16 Apr 2020 14:30
 Operator : JC/SP
 Sample : L2293-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200413

Quant Time: Apr 17 06:47:38 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	1078941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1605721	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1557608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	847956	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	629416	41.36	ug/l	0.00
Spiked Amount			Recovery	=	82.72%	
35) Dibromofluoromethane	5.47	113	487785	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
50) Toluene-d8	8.70	98	1918345	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	11.12	95	818038	53.26	ug/l	0.00
Spiked Amount			Recovery	=	106.52%	

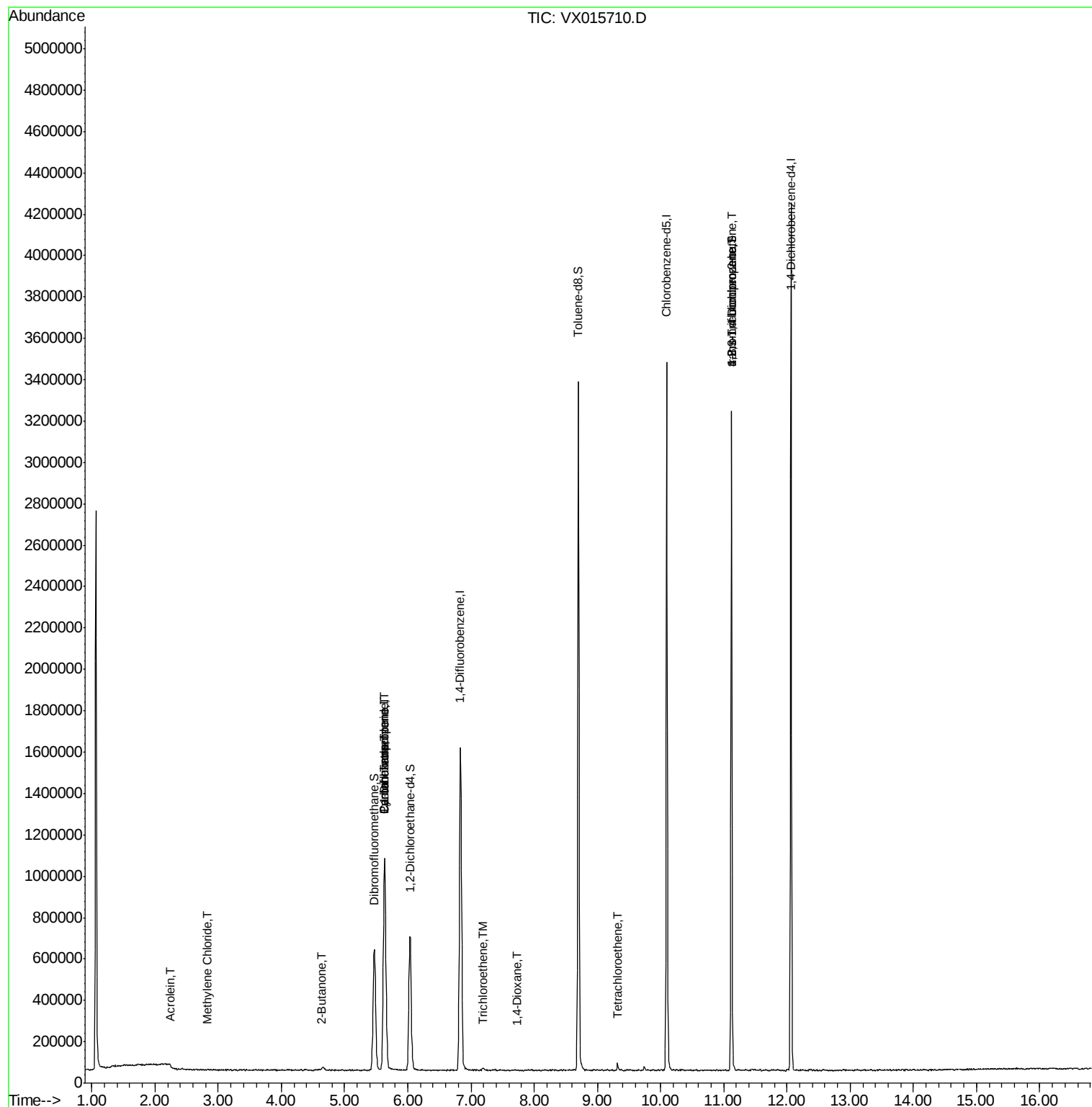
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1736	Below Cal		85
13) Acrolein	2.25	56	1369	0.660	ug/l #	14
20) Methylene Chloride	2.84	84	2527	0.207	ug/l #	81
25) 2-Butanone	4.64	43	2402	0.228	ug/l #	59
31) Cyclohexane	5.63	56	19023	0.988	ug/l #	9
36) 1,1-Dichloropropene	5.63	75	70795	4.785	ug/l #	54
38) Carbon Tetrachloride	5.63	117	92383	5.765	ug/l #	14
44) Trichloroethene	7.20	130	5279	0.447	ug/l	95
49) 1,4-Dioxane	7.72	88	785	2.591	ug/l #	18
64) Tetrachloroethene	9.32	164	7410	0.630	ug/l #	81
76) 1,2,3-Trichloropropane	11.12	75	406532	23.314	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	406532	55.940	ug/l #	10

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015710.D

Acq: 16 Apr 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

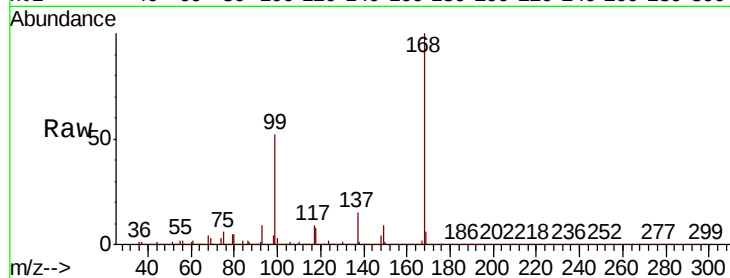
TB-01-200413

Tot Ion:168 Resp: 1078941

Ion Ratio Lower Upper

168 100

99 51.9 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

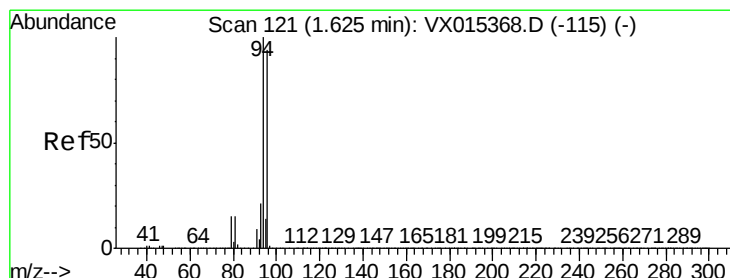
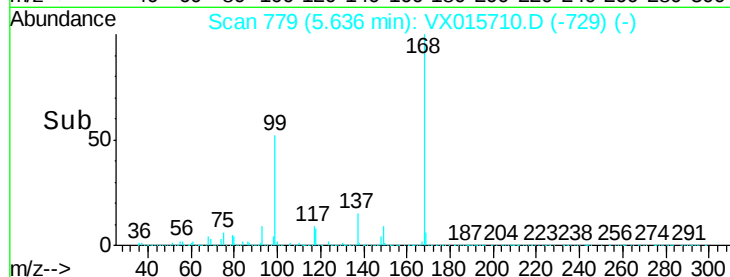
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015710.D

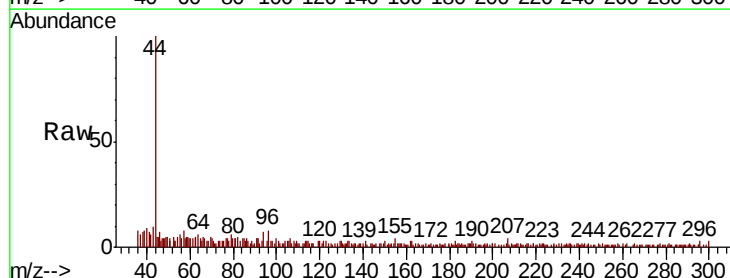
Acq: 16 Apr 2020 14:30

Tgt Ion: 94 Resp: 1736

Ion Ratio Lower Upper

94 100

96 79.0 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1200

1000

800

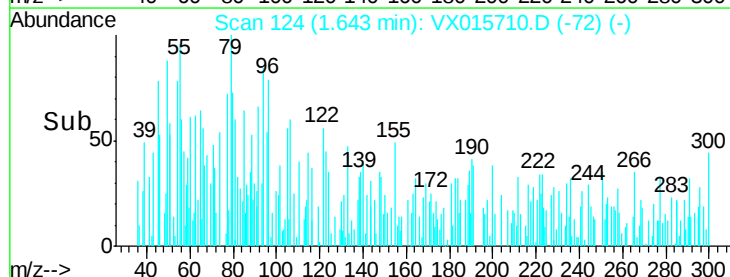
600

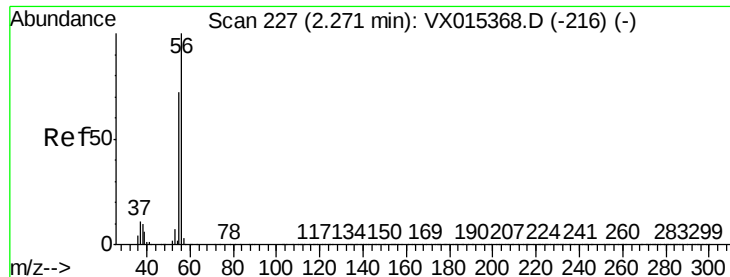
400

200

0

Time-->

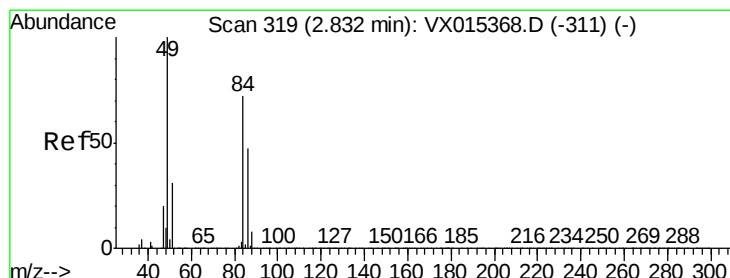
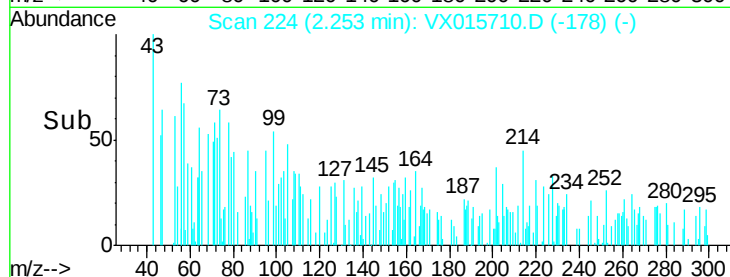
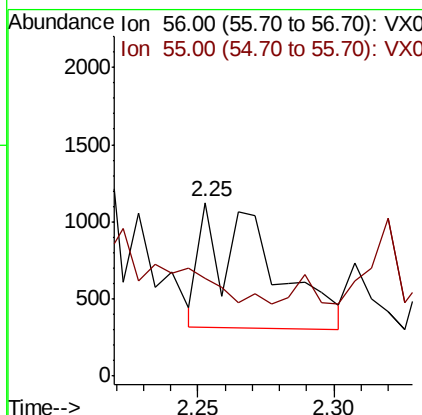
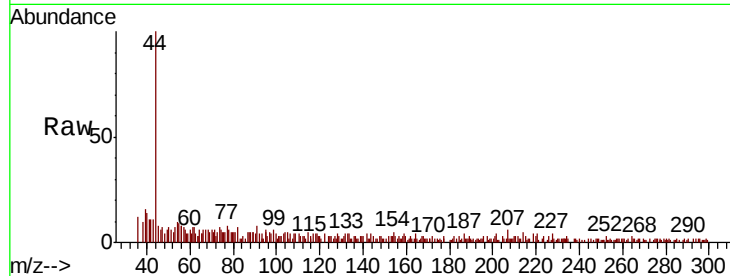




#13
Acrolein
Concen: 0.660 ug/l
RT: 2.25 min Scan# 224
Delta R.T. -0.02 min
Lab File: VX015710.D
Acq: 16 Apr 2020 14:30

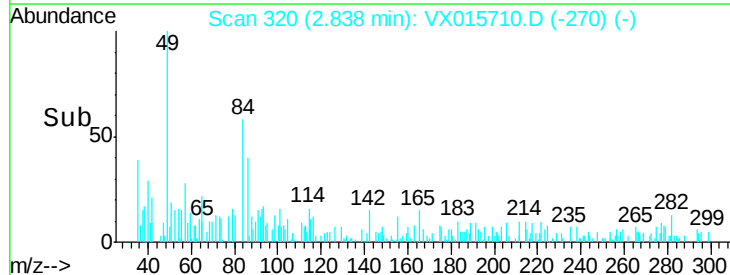
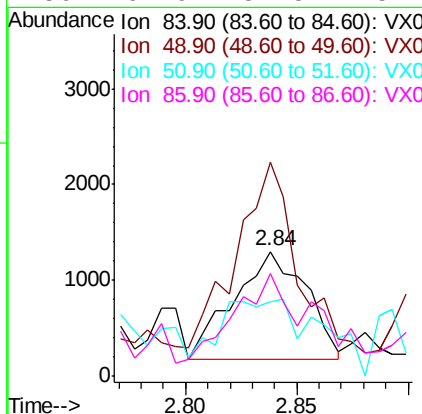
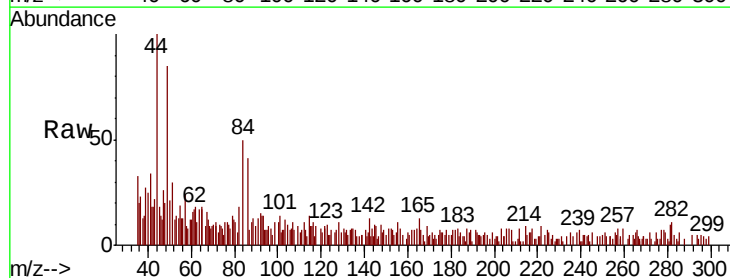
Instrument :
MSVOA_X
ClientSampleId :
TB-01-200413

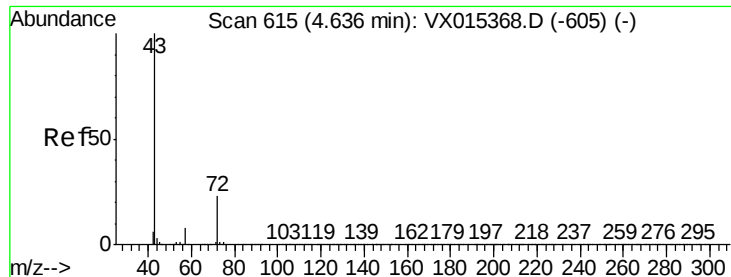
Tot Ion: 56 Resp: 1369
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#20
Methylene Chloride
Concen: 0.207 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015710.D
Acq: 16 Apr 2020 14:30

Tgt Ion: 84 Resp: 2527
Ion Ratio Lower Upper
84 100
49 172.8 111.3 166.9#
51 52.8 34.0 51.0#
86 67.9 52.5 78.7





#25

2-Butanone

Concen: 0.228 ug/l

RT: 4.64 min Scan# 615

Delta R.T. 0.00 min

Lab File: VX015710.D

Acq: 16 Apr 2020 14:30

Instrument :

MSVOA_X

ClientSampled :

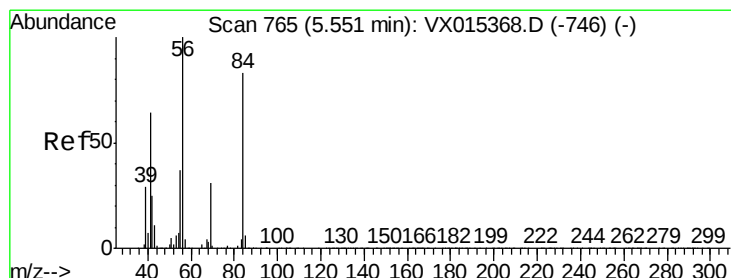
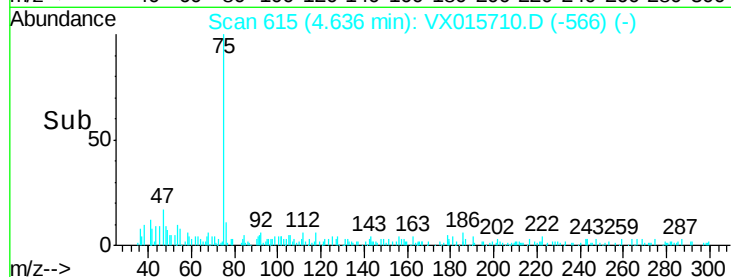
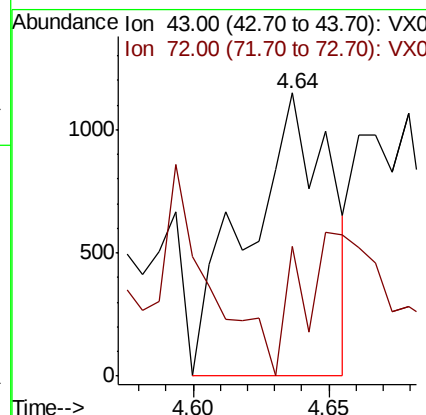
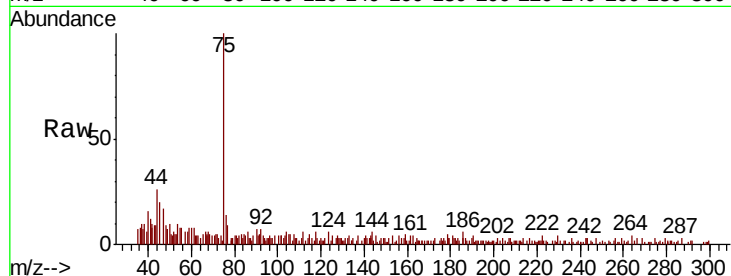
TB-01-200413

Tot Ion: 43 Resp: 2402

Ion Ratio Lower Upper

43 100

72 3.4 19.0 28.4#



#31

Cyclohexane

Concen: 0.988 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.08 min

Lab File: VX015710.D

Acq: 16 Apr 2020 14:30

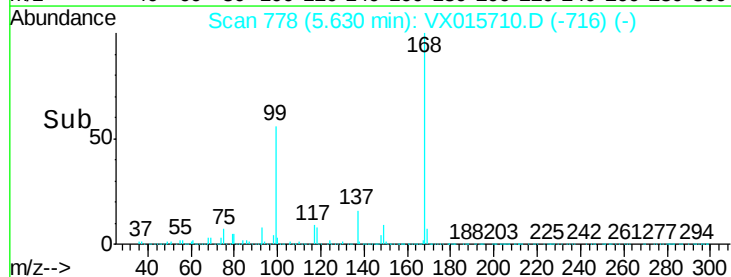
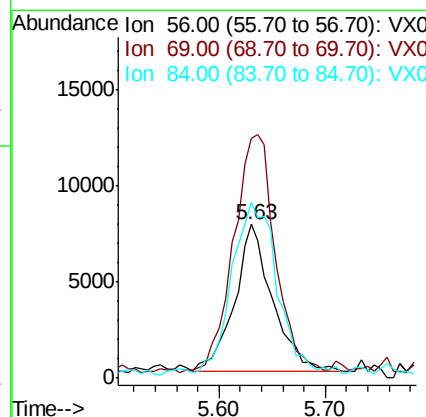
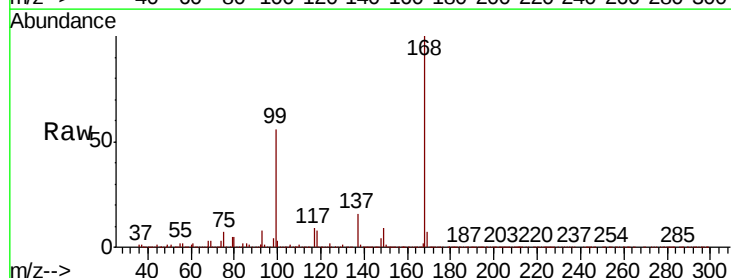
Tgt Ion: 56 Resp: 19023

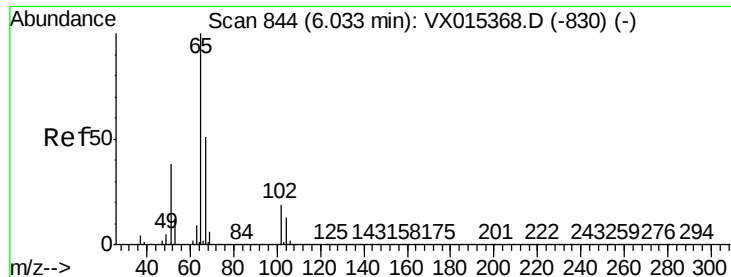
Ion Ratio Lower Upper

56 100

69 157.6 24.6 36.8#

84 117.1 66.1 99.1#





#33

1,2-Dichloroethane-d4

Concen: 41.362 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015710.D

Acq: 16 Apr 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

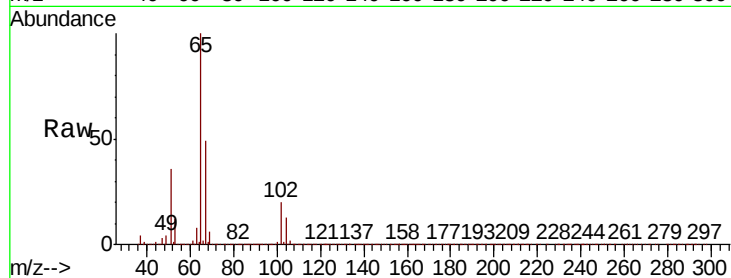
TB-01-200413

Tot Ion: 65 Resp: 629416

Ion Ratio Lower Upper

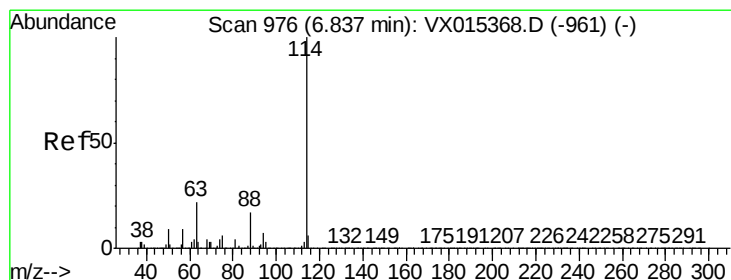
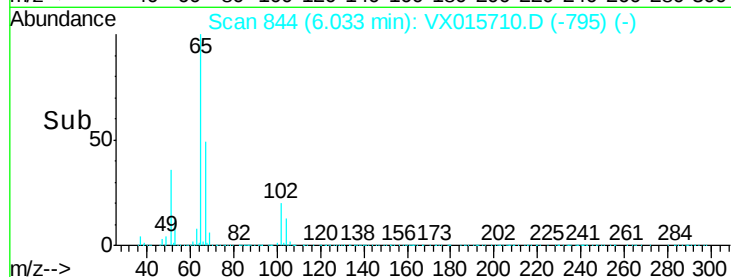
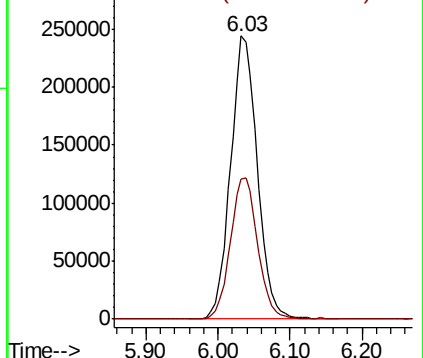
65 100

67 51.1 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: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015710.D

Acq: 16 Apr 2020 14:30

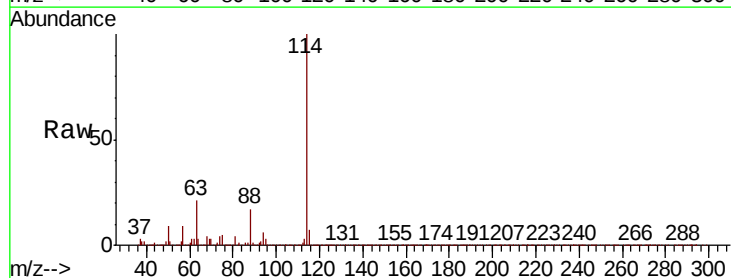
Tgt Ion: 114 Resp: 1605721

Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.2

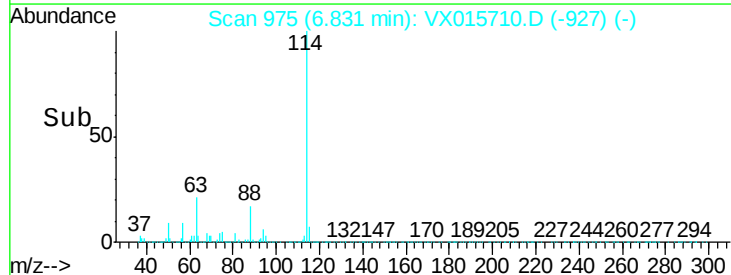
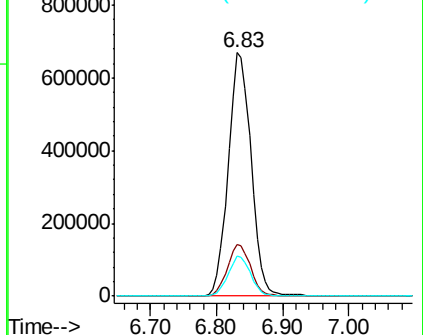
88 16.6 0.0 33.8

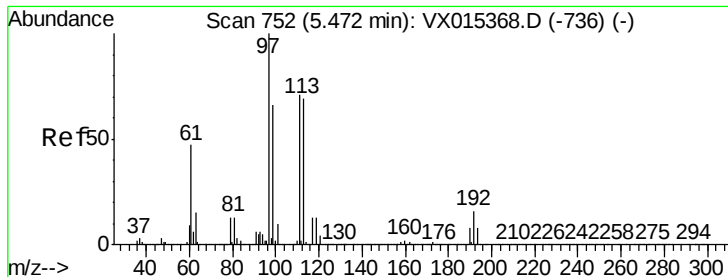


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

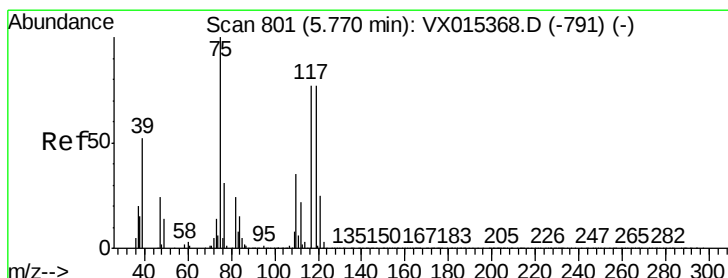
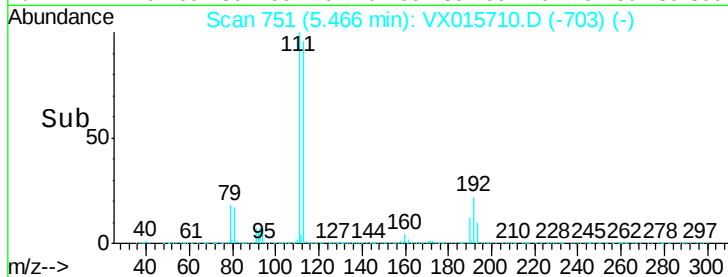
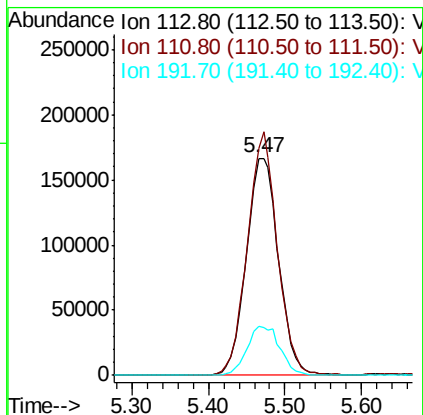
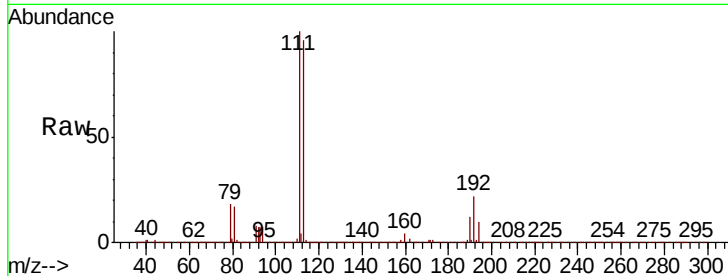




#35
 Dibromofluoromethane
 Concen: 47.523 ug/l
 RT: 5.47 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VX015710.D
 Acq: 16 Apr 2020 14:30

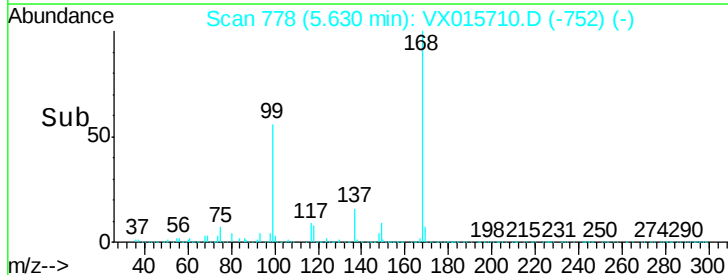
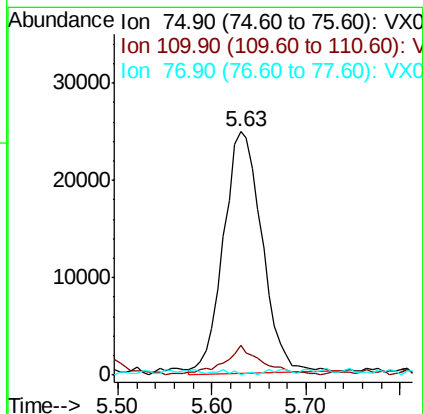
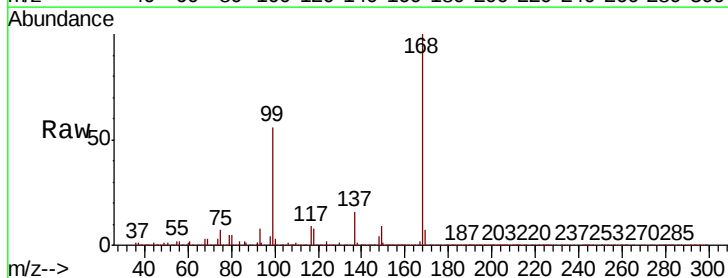
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200413

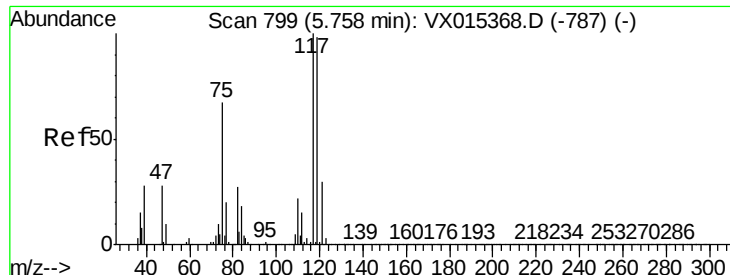
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.5	122.3
192	23.3	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.785 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015710.D
 Acq: 16 Apr 2020 14:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.4	17.1	51.3#
77	0.3	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.765 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015710.D

Acq: 16 Apr 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200413

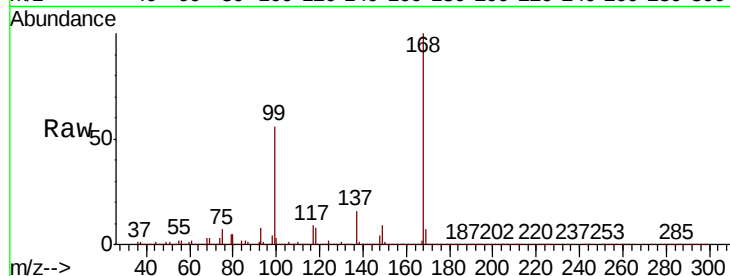
Tot Ion:117 Resp: 92383

Ion Ratio Lower Upper

117 100

119 3.4 78.0 117.0#

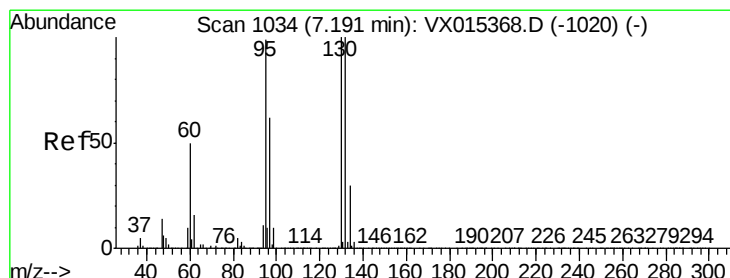
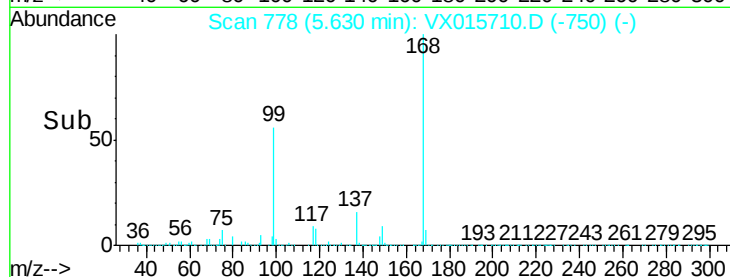
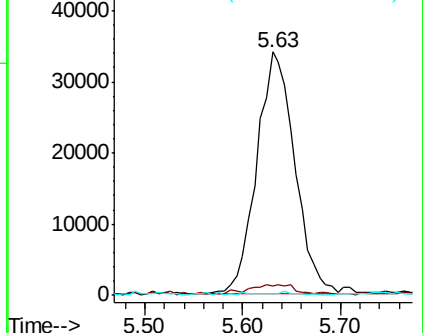
121 0.7 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.447 ug/l

RT: 7.20 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX015710.D

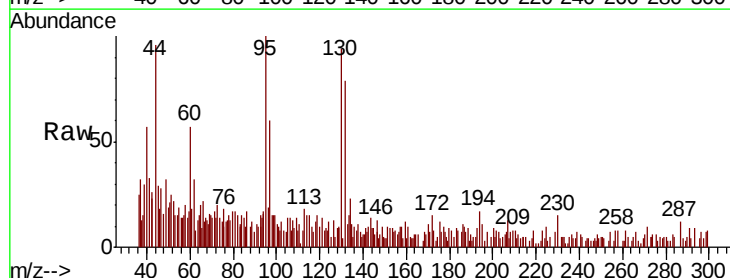
Acq: 16 Apr 2020 14:30

Tgt Ion:130 Resp: 5279

Ion Ratio Lower Upper

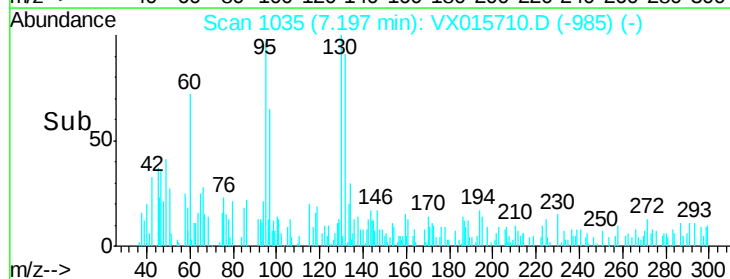
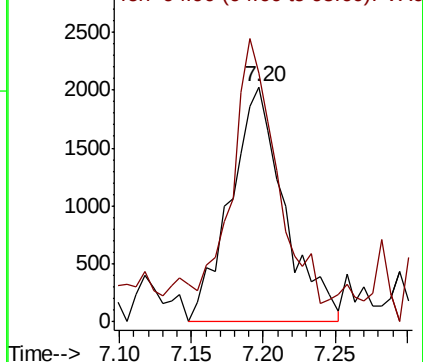
130 100

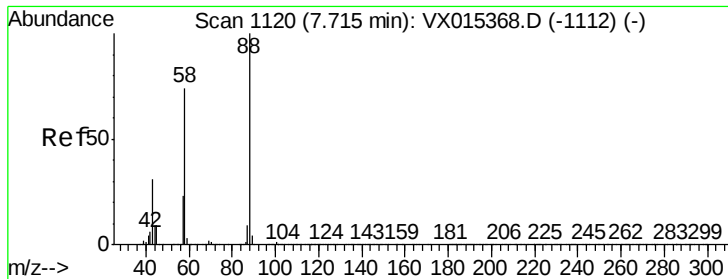
95 94.2 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

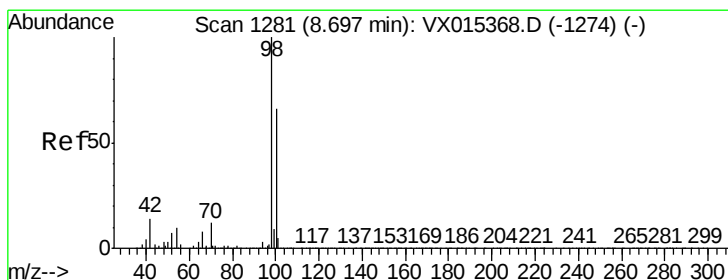
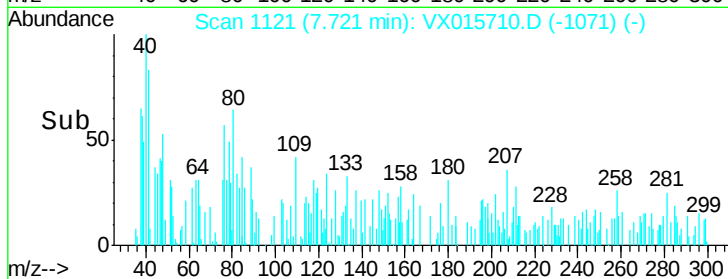
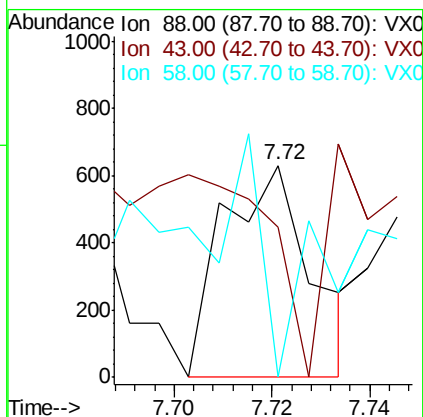
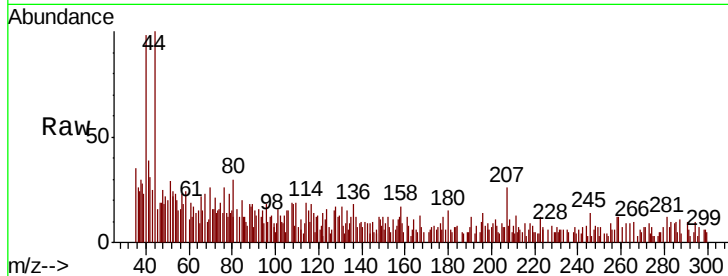




#49
1,4-Dioxane
Concen: 2.591 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VX015710.D
Acq: 16 Apr 2020 14:30

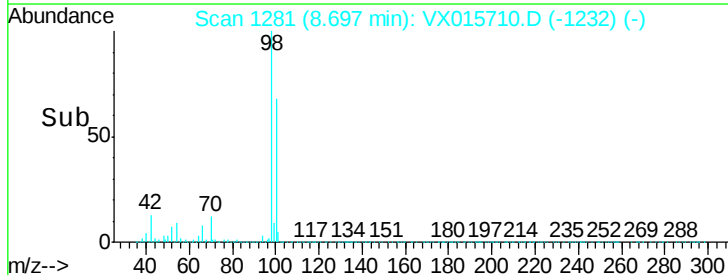
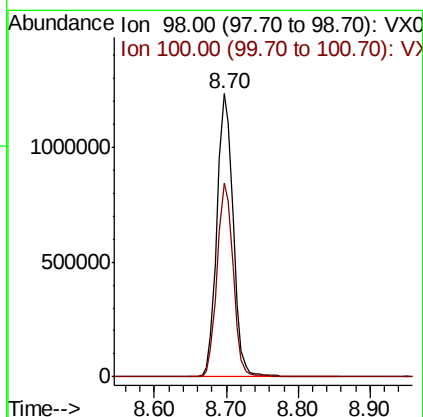
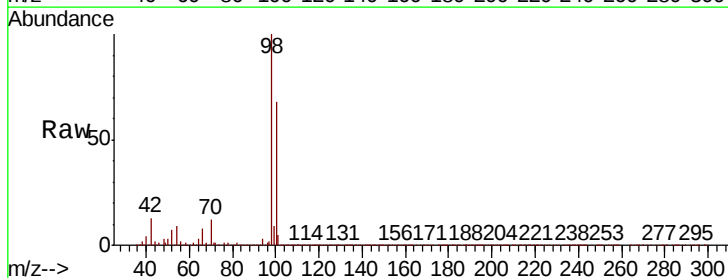
Instrument :
MSVOA_X
ClientSampleId :
TB-01-200413

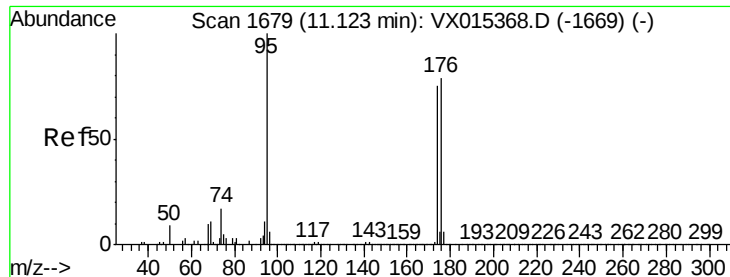
Tot Ion: 88 Resp: 785
Ion Ratio Lower Upper
88 100
43 79.5 30.1 45.1#
58 0.0 60.6 90.8#



#50
Toluene-d8
Concen: 50.763 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015710.D
Acq: 16 Apr 2020 14:30

Tgt Ion: 98 Resp: 1918345
Ion Ratio Lower Upper
98 100
100 68.2 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 53.265 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015710.D

Acq: 16 Apr 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200413

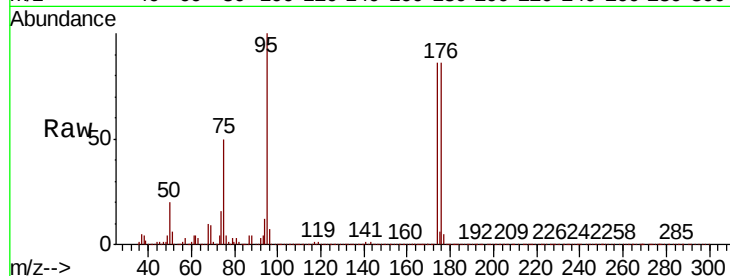
Tot Ion: 95 Resp: 818038

Ion Ratio Lower Upper

95 100

174 87.1 0.0 158.6

176 85.4 0.0 159.0

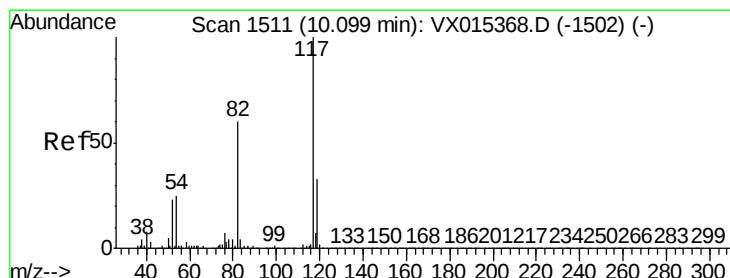
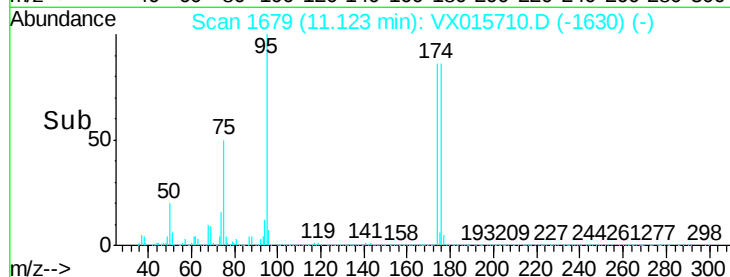


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0

Time--> 11.00 11.10 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015710.D

Acq: 16 Apr 2020 14:30

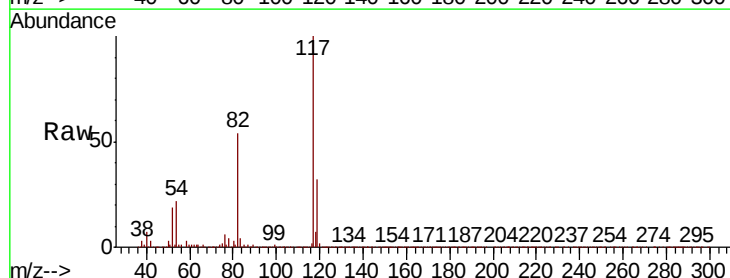
Tgt Ion: 117 Resp: 1557608

Ion Ratio Lower Upper

117 100

82 54.0 47.8 71.8

119 32.3 26.8 40.2

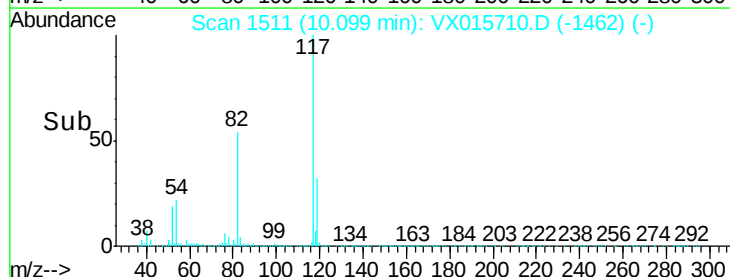


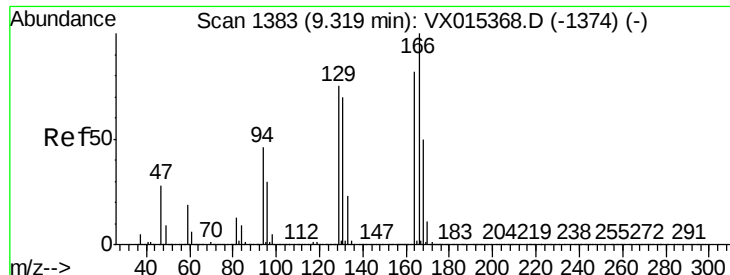
Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0

Time--> 10.00 10.10 10.20





#64

Tetrachloroethene

Concen: 0.630 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX015710.D

Acq: 16 Apr 2020 14:30

Instrument :

MSVOA_X

ClientSampled :

TB-01-200413

Tot Ion:164 Resp: 7410

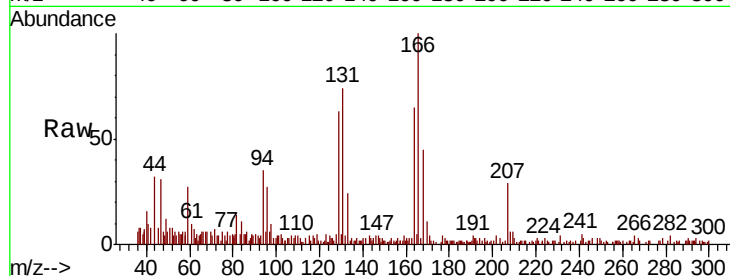
Ion Ratio Lower Upper

164 100

166 149.5 97.8 146.6#

129 93.2 73.0 109.4

131 111.3 68.6 103.0#



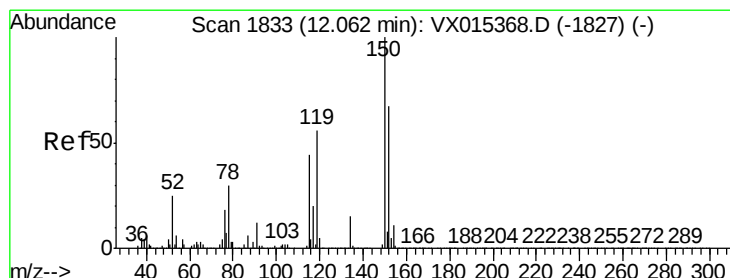
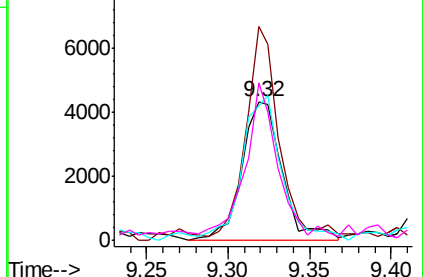
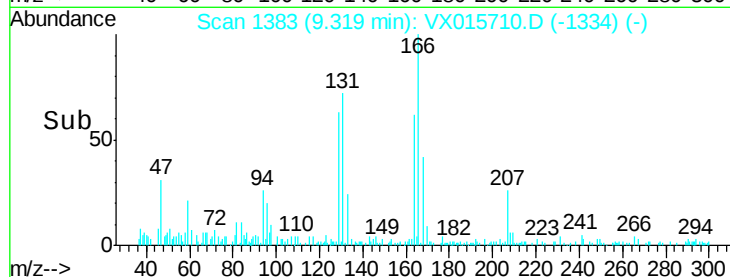
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015710.D

Acq: 16 Apr 2020 14:30

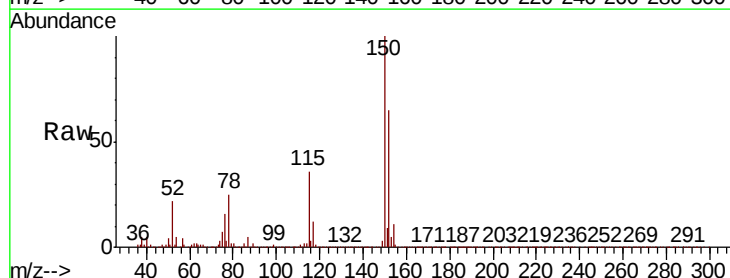
Tgt Ion:152 Resp: 847956

Ion Ratio Lower Upper

152 100

115 57.2 39.0 116.9

150 158.4 0.0 340.8

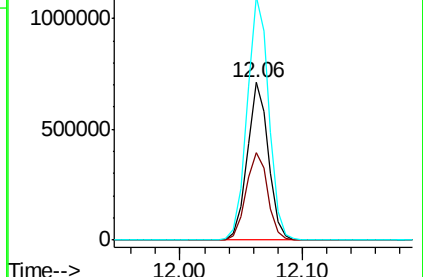
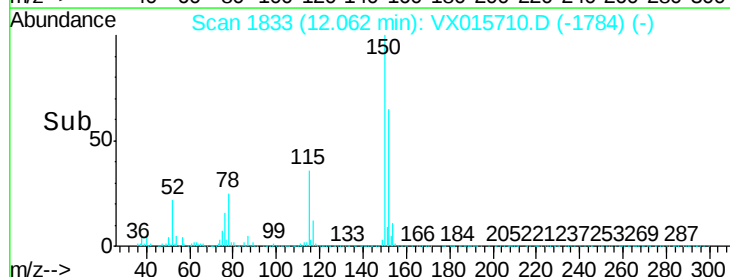


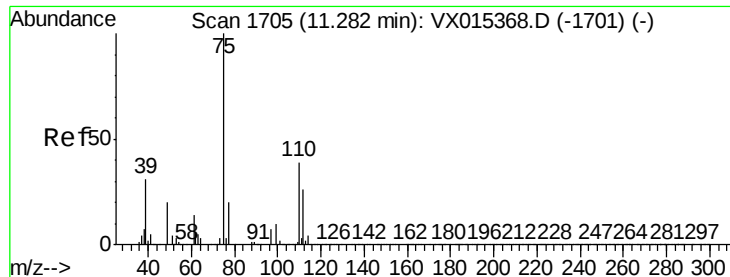
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->





#76

1,2,3-Trichloropropane

Concen: 23.314 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015710.D

Acq: 16 Apr 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

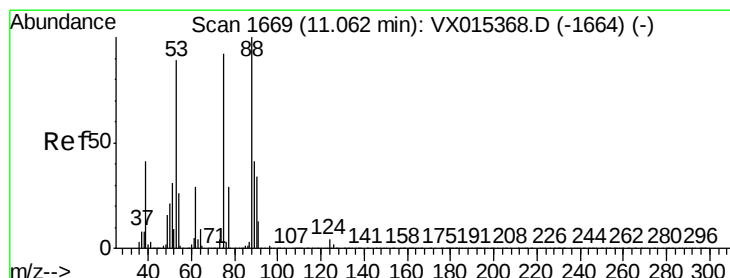
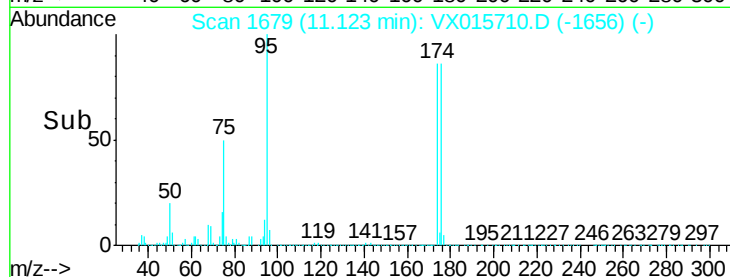
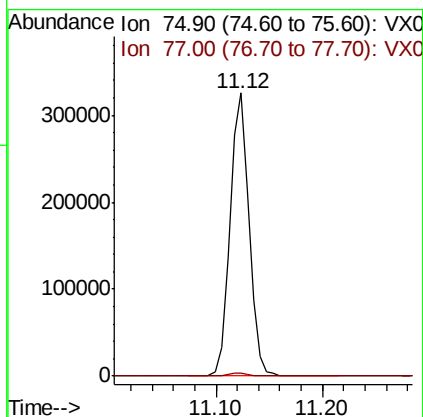
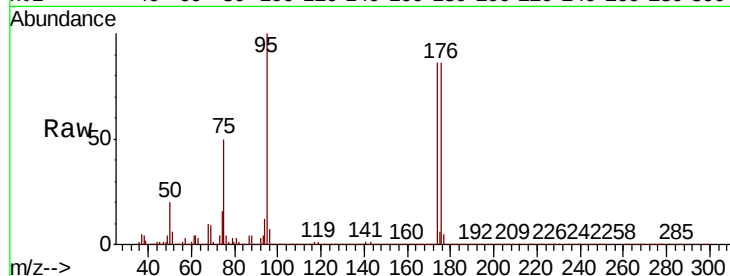
TB-01-200413

Tot Ion: 75 Resp: 406532

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.940 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015710.D

Acq: 16 Apr 2020 14:30

Tgt Ion: 75 Resp: 406532

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.1 36.1 54.1#

