

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041620\
 Data File : VX015719.D
 Acq On : 16 Apr 2020 17:53
 Operator : JC/SP
 Sample : L2294-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS036MW016-200413

Quant Time: Apr 17 06:51:45 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	1018433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1574798	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1519170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	851465	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	614386	42.77	ug/l	0.00
Spiked Amount			Recovery	=	85.54%	
35) Dibromofluoromethane	5.47	113	471521	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	
50) Toluene-d8	8.70	98	1886586	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
62) 4-Bromofluorobenzene	11.12	95	793749	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	

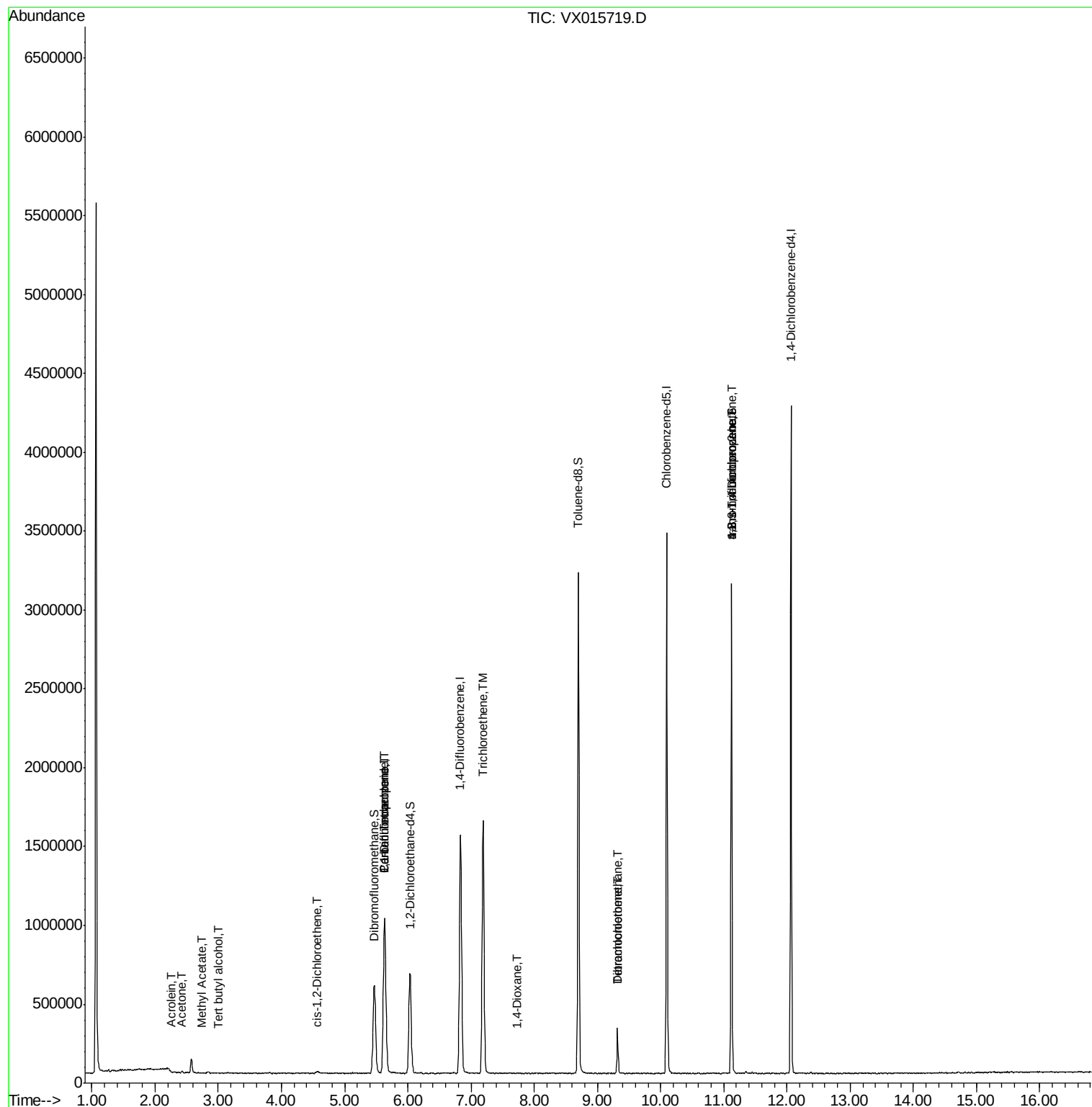
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	756	Below Cal	#	78
11) Tert butyl alcohol	3.00	59	713	0.207	ug/l #	13
13) Acrolein	2.26	56	658	0.336	ug/l	98
16) Acetone	2.42	43	14832	2.403	ug/l #	76
18) Methyl Acetate	2.74	43	4517	0.287	ug/l #	88
27) cis-1,2-Dichloroethene	4.57	96	9928	0.804	ug/l	83
36) 1,1-Dichloropropene	5.63	75	71663	4.939	ug/l #	52
38) Carbon Tetrachloride	5.64	117	93338	5.939	ug/l #	16
44) Trichloroethene	7.19	130	639460	55.165	ug/l	97
49) 1,4-Dioxane	7.72	88	126	0.424	ug/l #	20
60) Dibromochloromethane	9.32	129	51660	4.004	ug/l #	12
64) Tetrachloroethene	9.32	164	56782	4.953	ug/l	91
76) 1,2,3-Trichloropropane	11.12	75	396336	22.635	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	396336	54.312	ug/l #	10

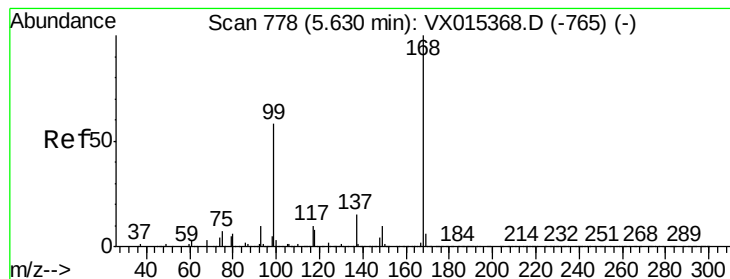
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 17 06:51:45 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: VX015719.D

Acq: 16 Apr 2020 17:53

Instrument :

MSVOA_X

ClientSampleId :

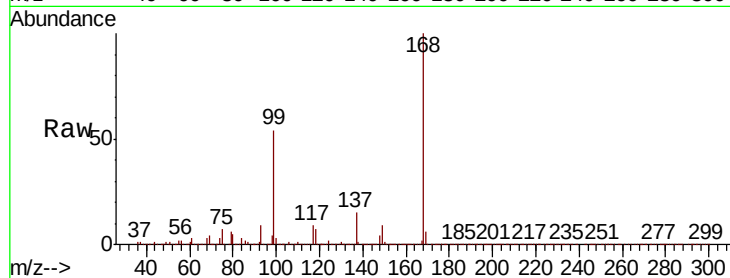
SS036MW016-200413

Tot Ion:168 Resp: 1018433

Ion Ratio Lower Upper

168 100

99 53.5 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

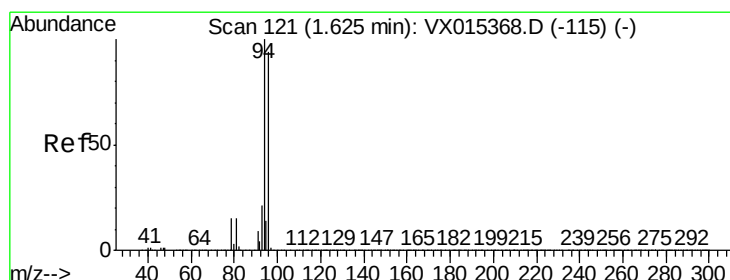
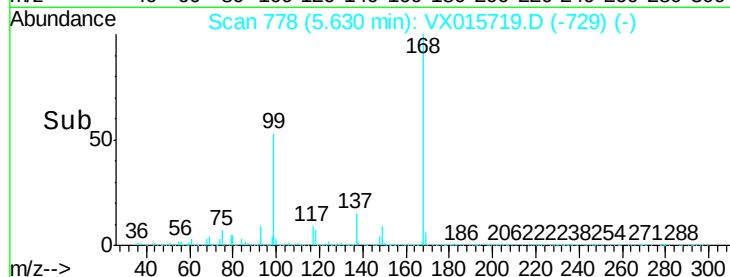
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015719.D

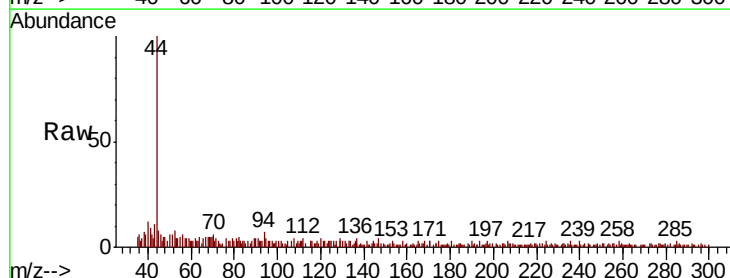
Acq: 16 Apr 2020 17:53

Tgt Ion: 94 Resp: 756

Ion Ratio Lower Upper

94 100

96 72.1 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1000

800

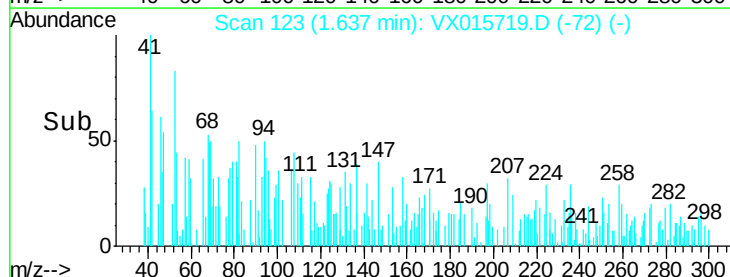
600

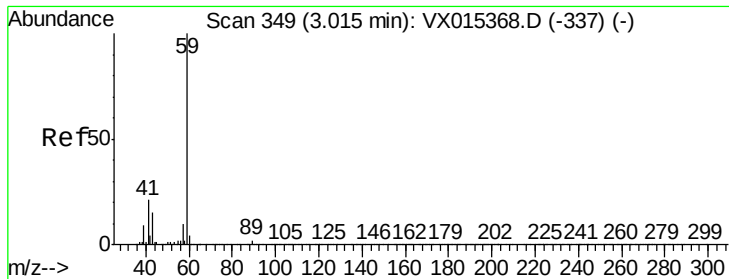
400

200

0

Time-->



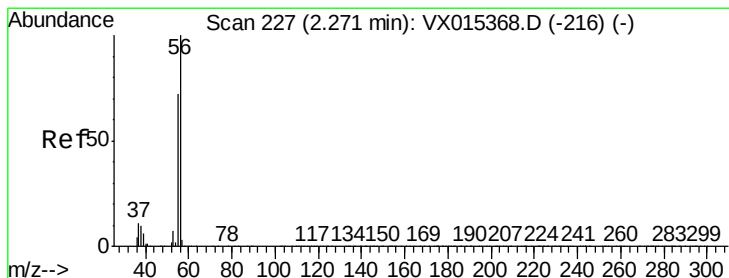
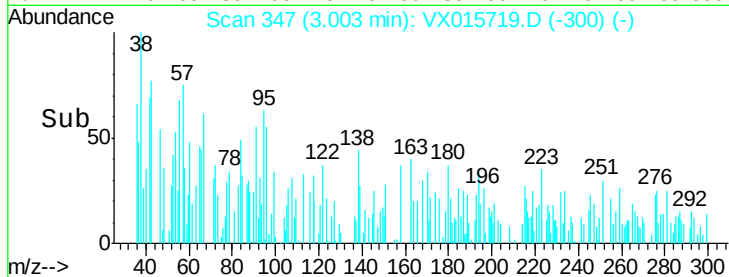
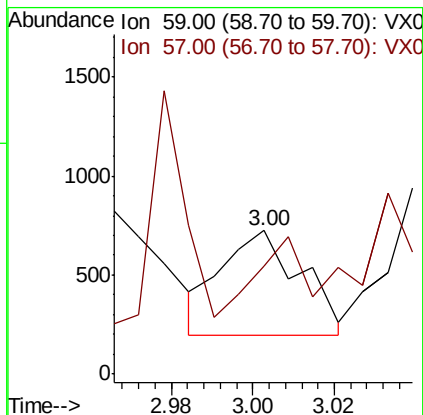
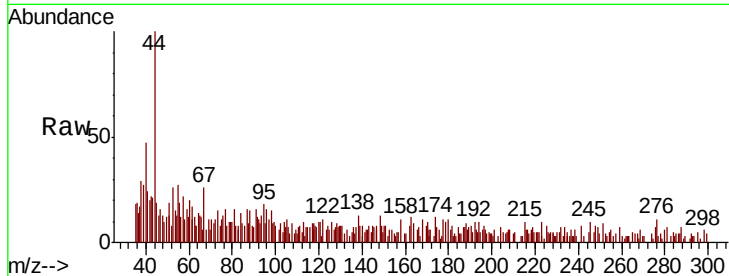


#11

Tert butyl alcohol
Concen: 0.207 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.01 min
Lab File: VX015719.D
Acq: 16 Apr 2020 17:53

Instrument :
MSVOA_X
ClientSampleId :
SS036MW016-200413

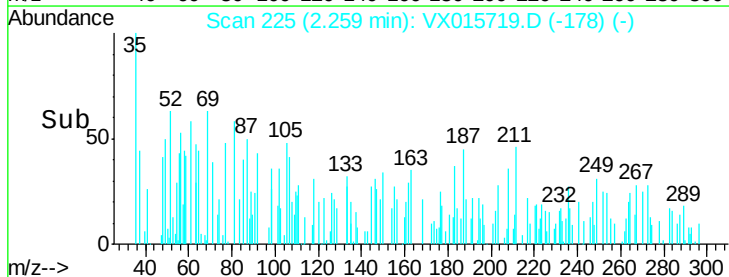
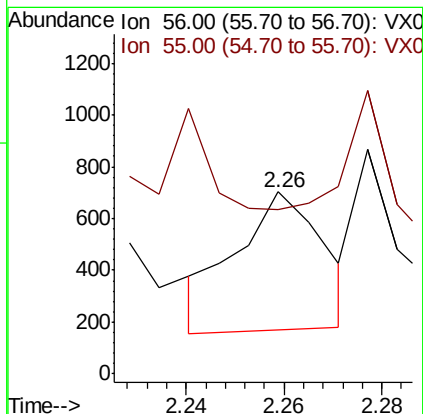
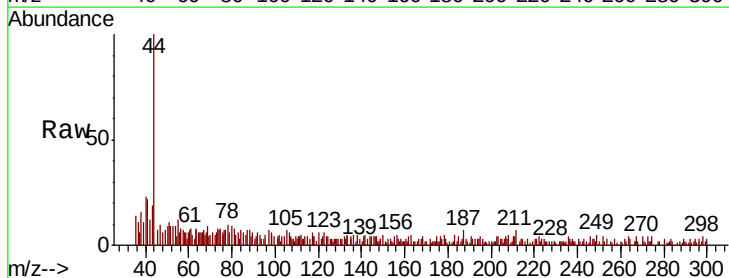
Tot Ion: 59 Resp: 713
Ion Ratio Lower Upper
59 100
57 42.4 8.1 12.1#

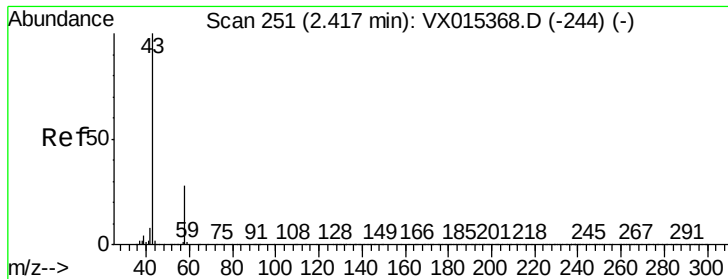


#13

Acrolein
Concen: 0.336 ug/l
RT: 2.26 min Scan# 225
Delta R.T. -0.01 min
Lab File: VX015719.D
Acq: 16 Apr 2020 17:53

Tgt Ion: 56 Resp: 658
Ion Ratio Lower Upper
56 100
55 69.1 57.0 85.4

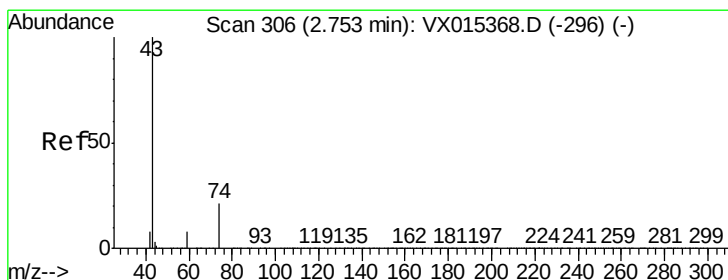
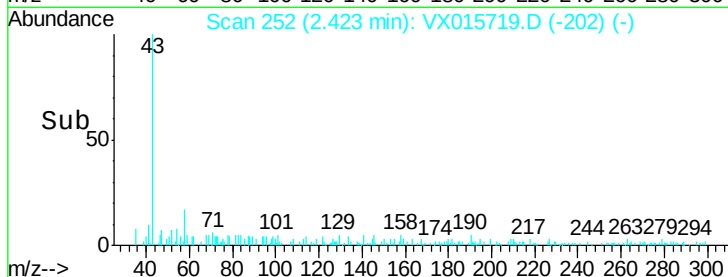
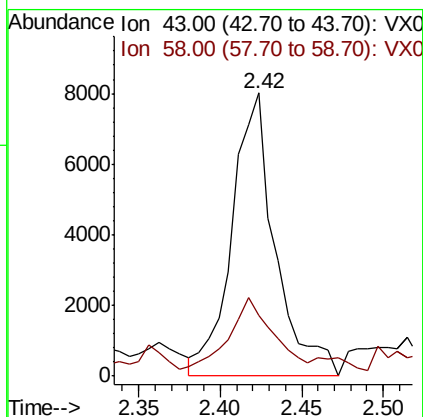
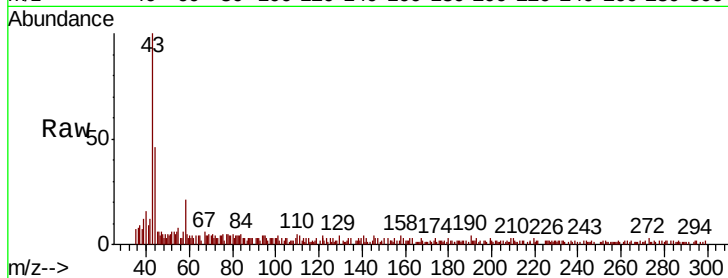




#16
Acetone
Concen: 2.403 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015719.D
Acq: 16 Apr 2020 17:53

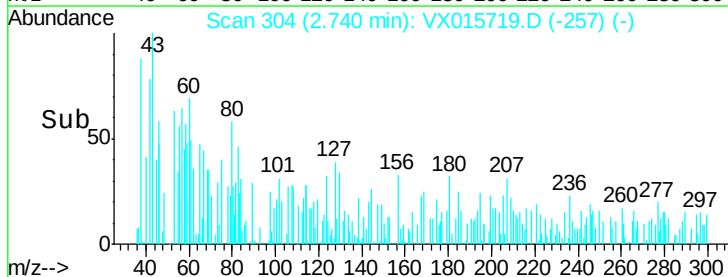
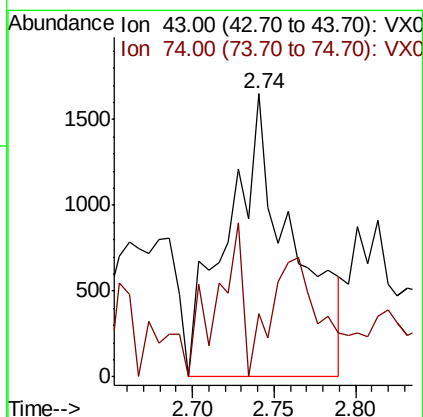
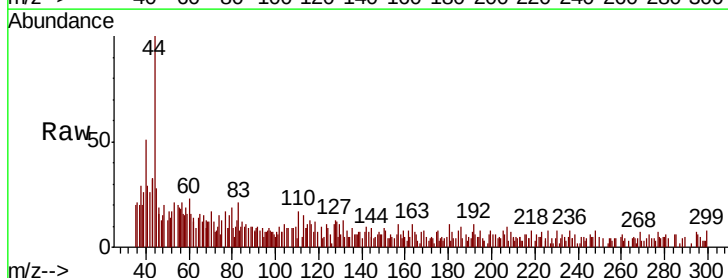
Instrument :
MSVOA_X
ClientSampleId :
SS036MW016-200413

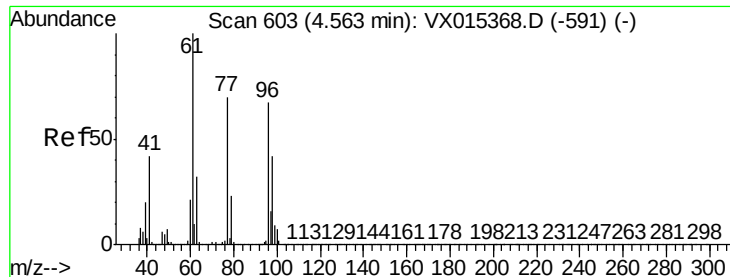
Tot Ion: 43 Resp: 14832
Ion Ratio Lower Upper
43 100
58 14.9 22.1 33.1#



#18
Methyl Acetate
Concen: 0.287 ug/l
RT: 2.74 min Scan# 304
Delta R.T. -0.01 min
Lab File: VX015719.D
Acq: 16 Apr 2020 17:53

Tgt Ion: 43 Resp: 4517
Ion Ratio Lower Upper
43 100
74 26.3 16.5 24.7#



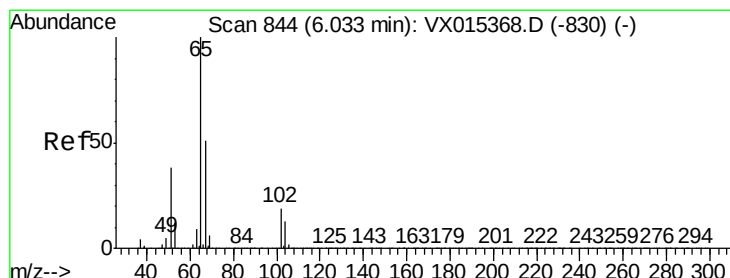
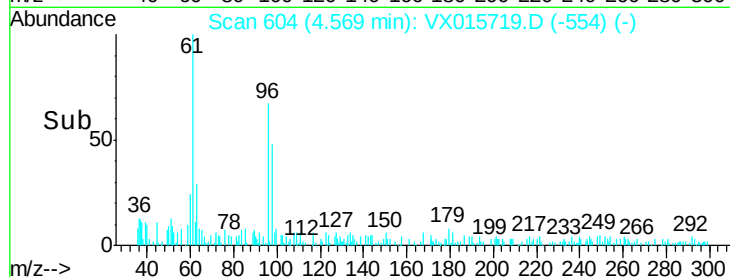
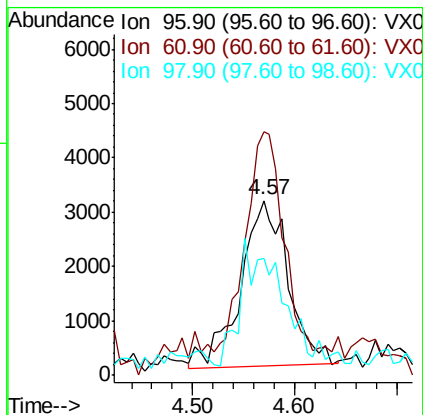
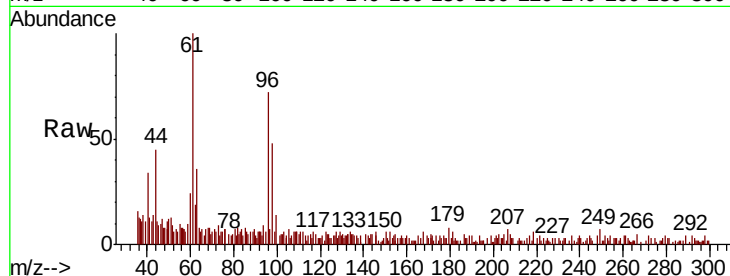


#27

cis-1,2-Dichloroethene
 Concen: 0.804 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VX015719.D
 Acq: 16 Apr 2020 17:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SS036MW016-200413

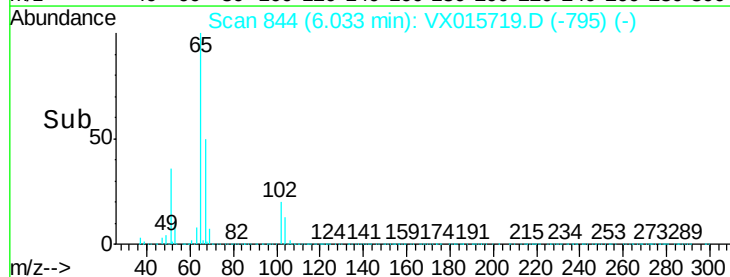
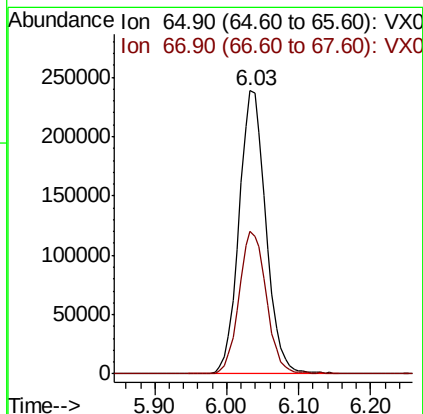
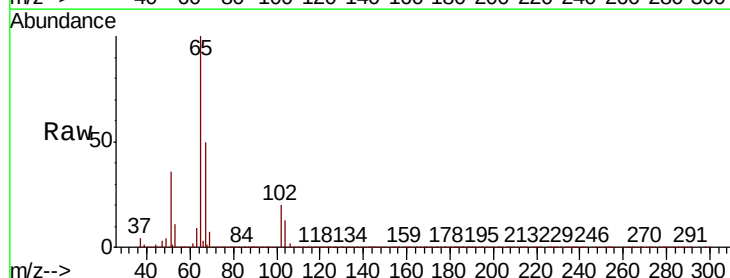
Tot Ion	Ratio	Lower	Upper
96	100		
61	122.7	0.0	308.4
98	64.2	0.0	129.2

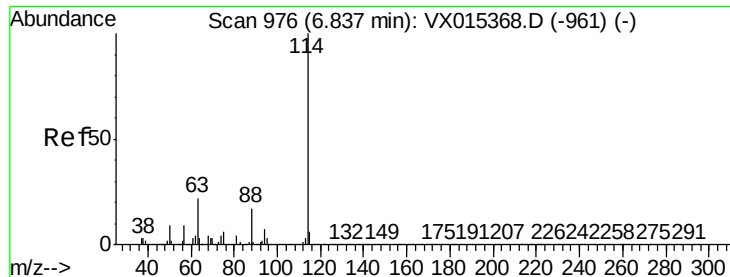


#33

1,2-Dichloroethane-d4
 Concen: 42.773 ug/l
 RT: 6.03 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: VX015719.D
 Acq: 16 Apr 2020 17:53

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.8	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: VX015719.D

Acq: 16 Apr 2020 17:53

Instrument :

MSVOA_X

ClientSampleId :

SS036MW016-200413

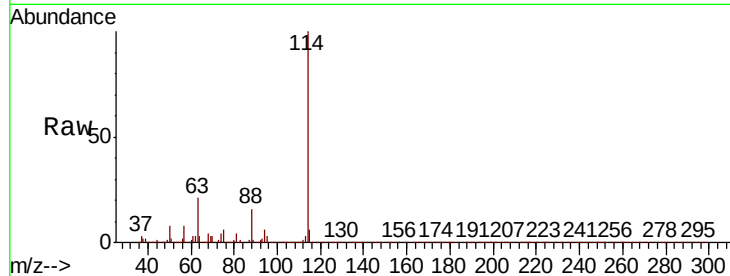
Tot Ion:114 Resp: 1574798

Ion Ratio Lower Upper

114 100

63 20.6 0.0 44.2

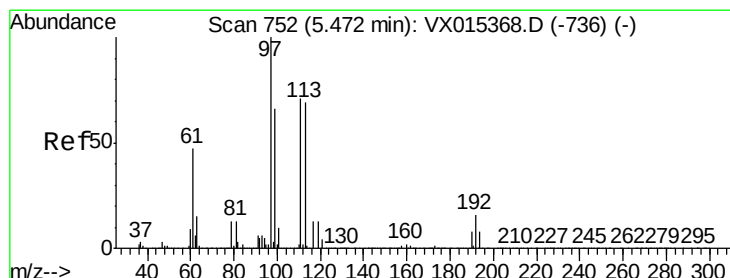
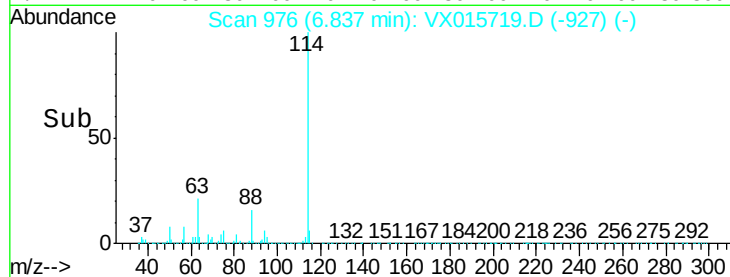
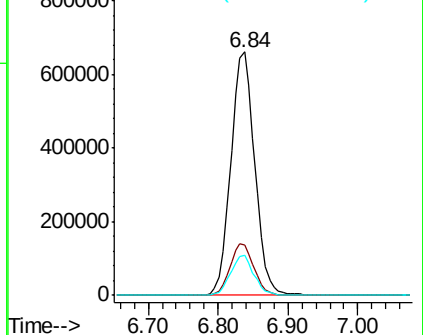
88 16.4 0.0 33.8



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: 46.840 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX015719.D

Acq: 16 Apr 2020 17:53

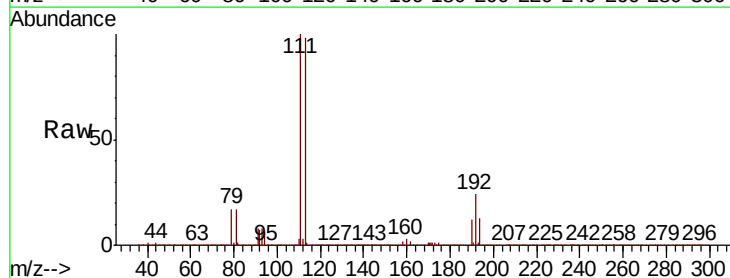
Tgt Ion:113 Resp: 471521

Ion Ratio Lower Upper

113 100

111 102.4 81.5 122.3

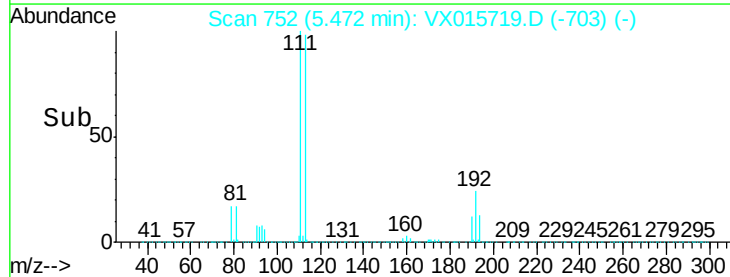
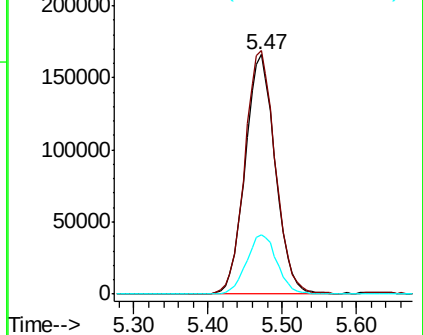
192 25.3 17.8 26.6

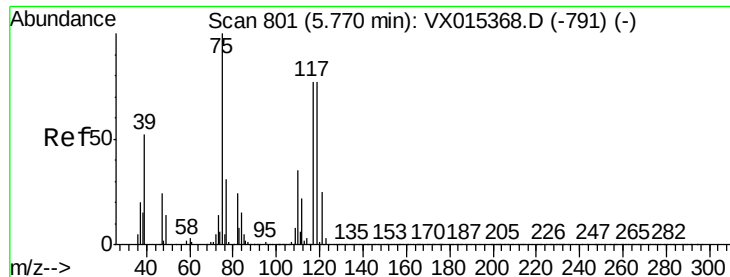


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.939 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015719.D

Acq: 16 Apr 2020 17:53

Instrument :

MSVOA_X

ClientSampleId :

SS036MW016-200413

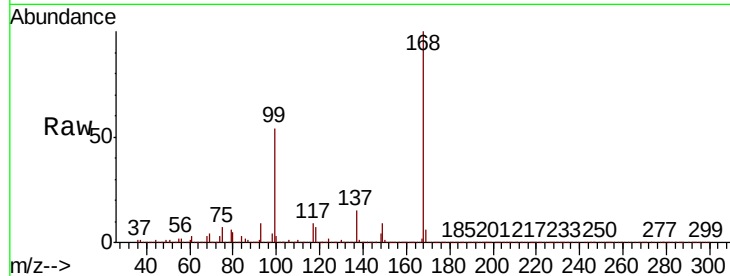
Tot Ion: 75 Resp: 71663

Ion Ratio Lower Upper

75 100

110 9.8 17.1 51.3#

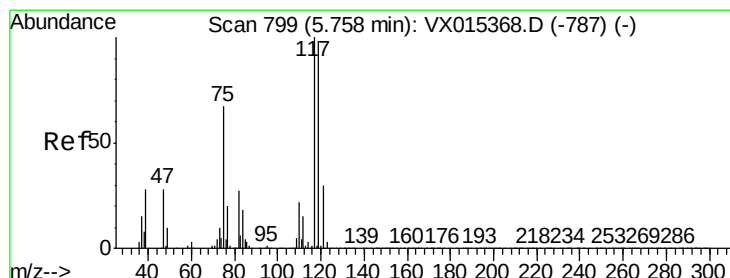
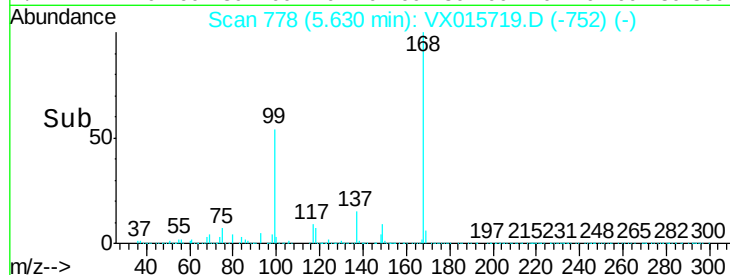
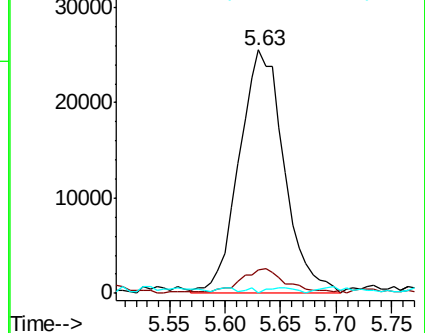
77 1.4 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.939 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015719.D

Acq: 16 Apr 2020 17:53

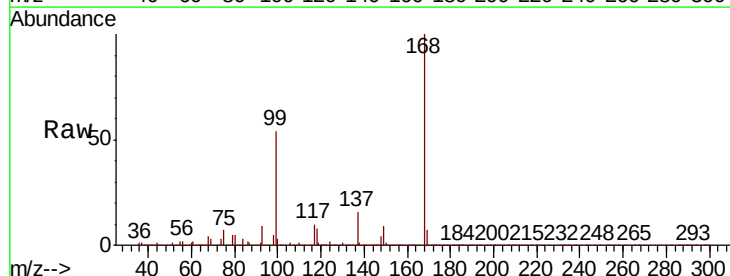
Tgt Ion: 117 Resp: 93338

Ion Ratio Lower Upper

117 100

119 5.2 78.0 117.0#

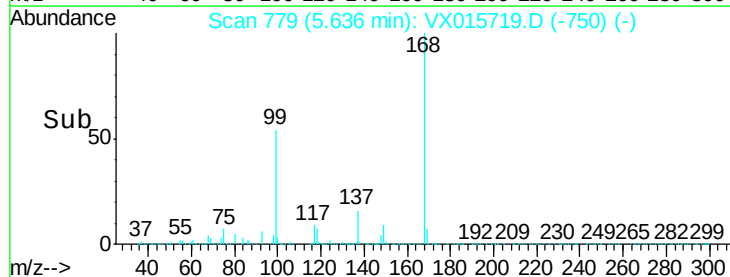
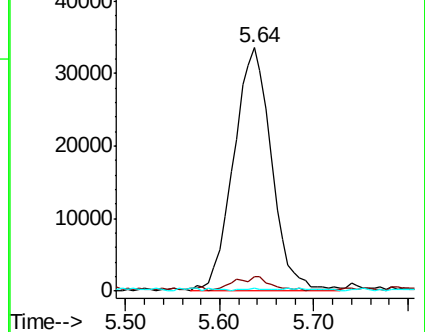
121 1.1 23.8 35.8#

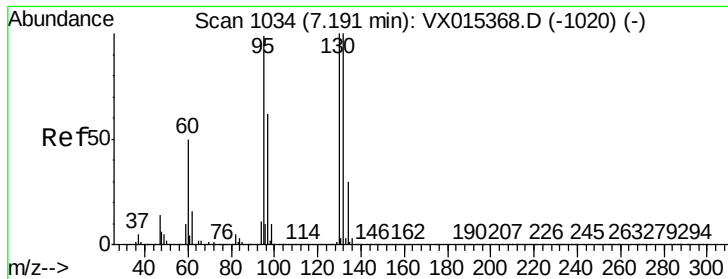


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 55.165 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX015719.D

Acq: 16 Apr 2020 17:53

Instrument :

MSVOA_X

ClientSampleId :

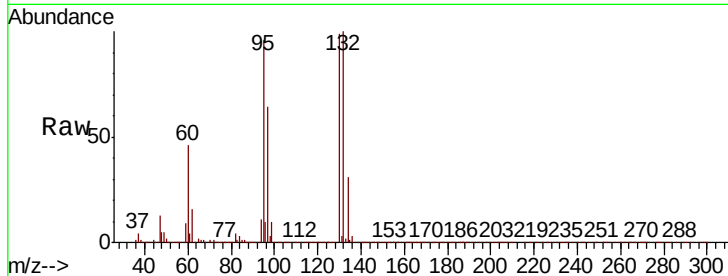
SS036MW016-200413

Tot Ion:130 Resp: 639460

Ion Ratio Lower Upper

130 100

95 96.8 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

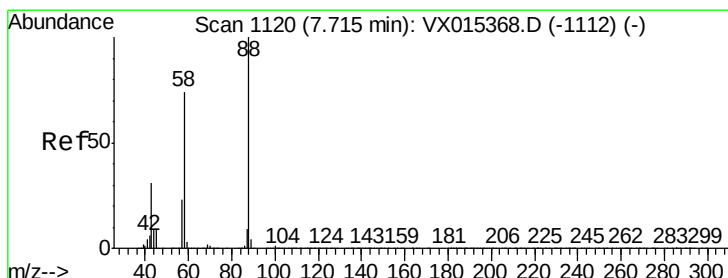
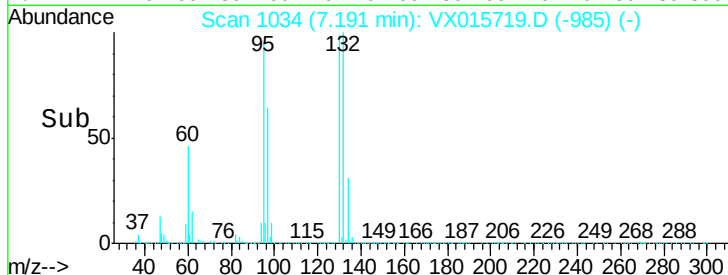
300000

200000

100000

0

Time-->



#49

1,4-Dioxane

Concen: 0.424 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015719.D

Acq: 16 Apr 2020 17:53

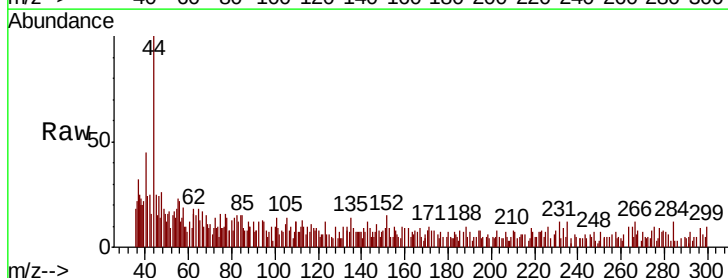
Tgt Ion: 88 Resp: 126

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

1000

800

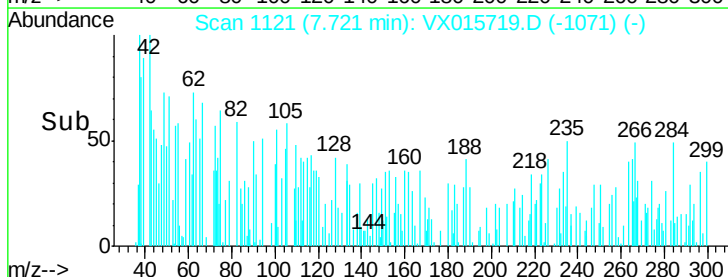
600

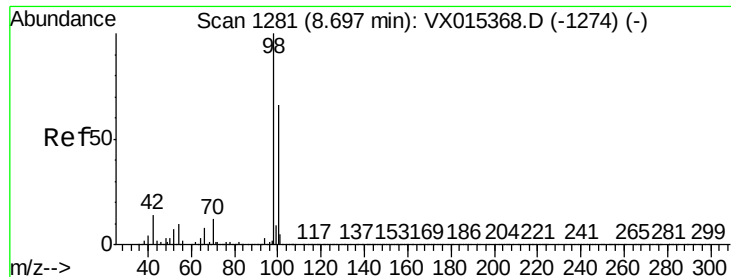
400

200

0

Time-->

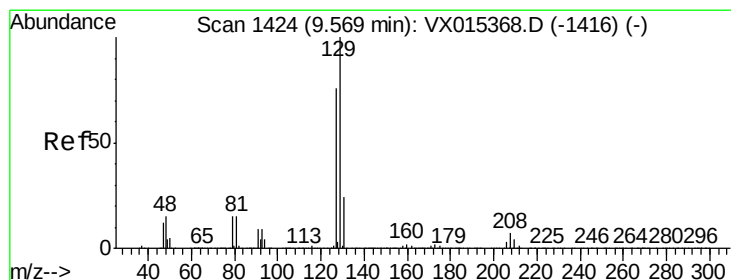
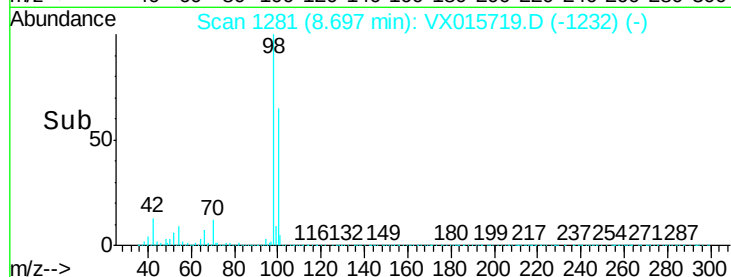
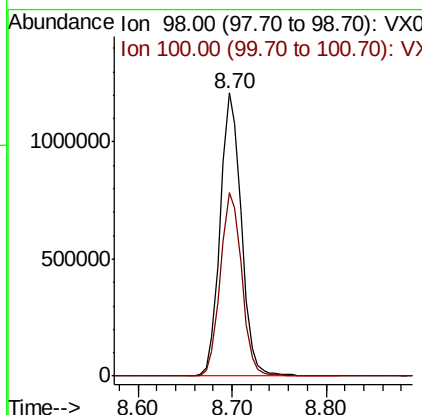
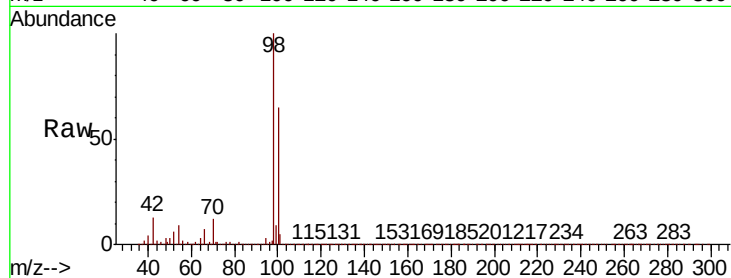




#50
Toluene-d8
Concen: 50.903 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015719.D
Acq: 16 Apr 2020 17:53

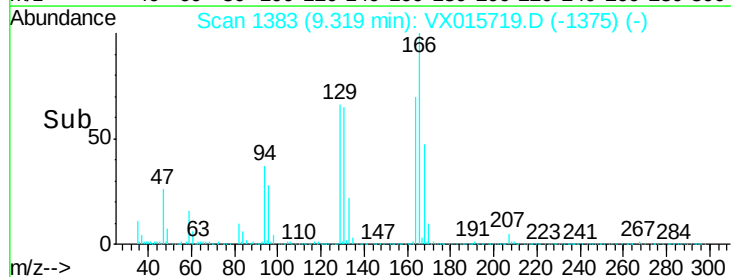
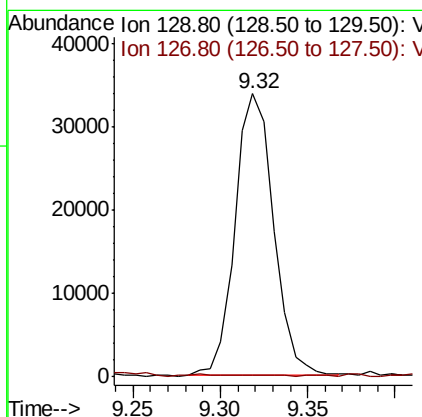
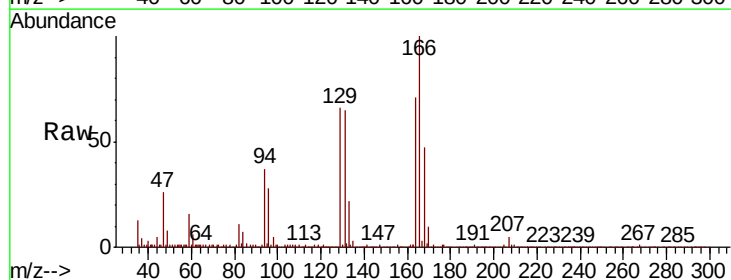
Instrument :
MSVOA_X
ClientSampleId :
SS036MW016-200413

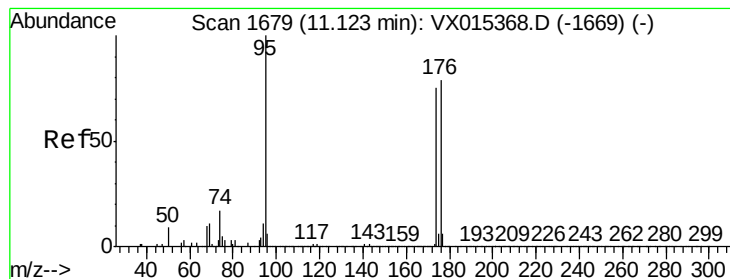
Tot Ion: 98 Resp: 1886586
Ion Ratio Lower Upper
98 100
100 65.9 53.5 80.3



#60
Dibromochloromethane
Concen: 4.004 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.25 min
Lab File: VX015719.D
Acq: 16 Apr 2020 17:53

Tgt Ion: 129 Resp: 51660
Ion Ratio Lower Upper
129 100
127 0.8 38.2 114.6#





#62

4-Bromofluorobenzene

Concen: 52.698 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015719.D

Acq: 16 Apr 2020 17:53

Instrument :

MSVOA_X

ClientSampleId :

SS036MW016-200413

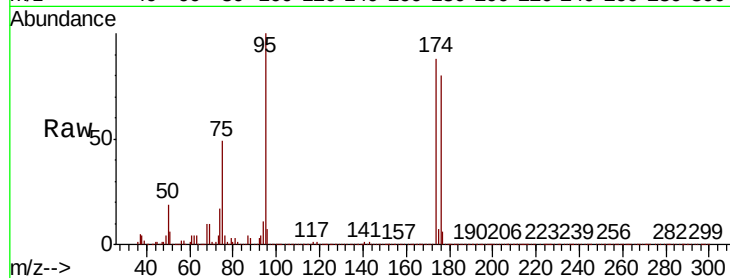
Tot Ion: 95 Resp: 793749

Ion Ratio Lower Upper

95 100

174 87.8 0.0 158.6

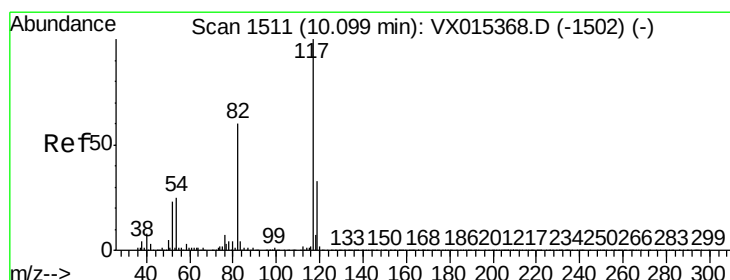
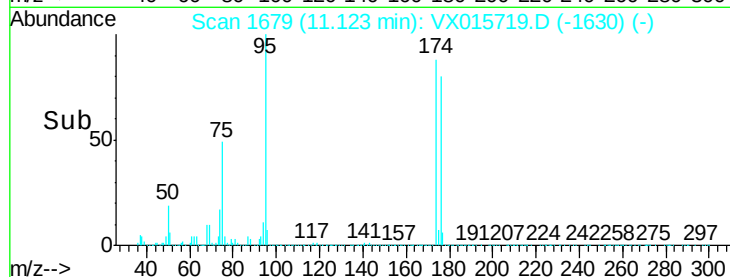
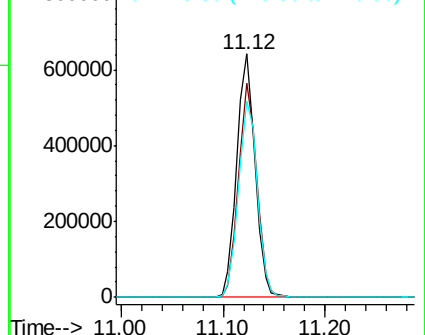
176 83.0 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015719.D

Acq: 16 Apr 2020 17:53

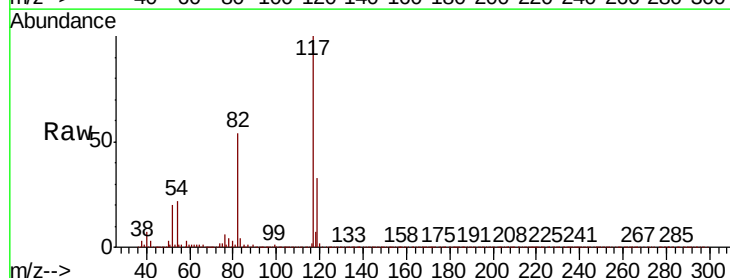
Tgt Ion: 117 Resp: 1519170

Ion Ratio Lower Upper

117 100

82 53.7 47.8 71.8

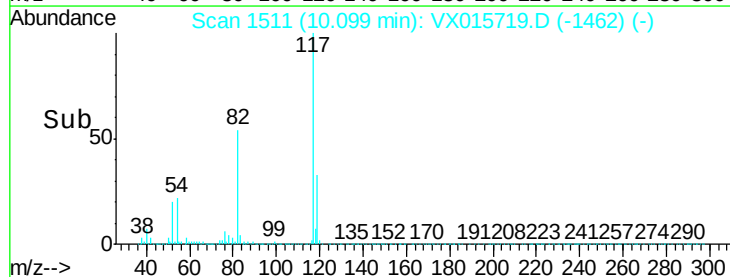
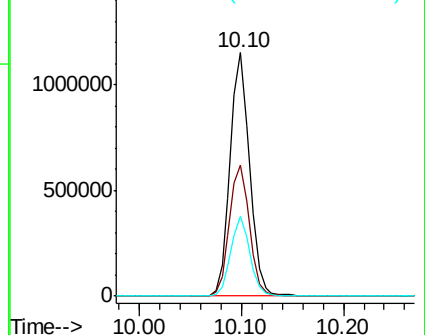
119 32.7 26.8 40.2

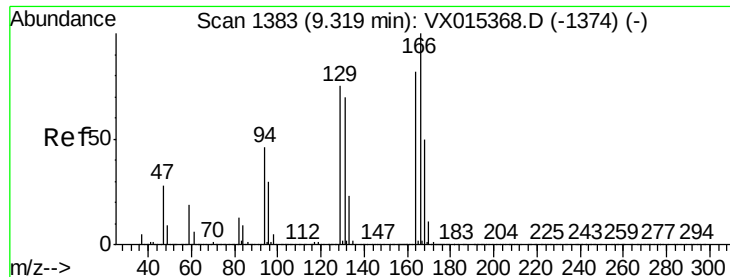


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 4.953 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VX015719.D

Acq: 16 Apr 2020 17:53

Instrument :

MSVOA_X

ClientSampleId :

SS036MW016-200413

Tot Ion:164 Resp: 56782

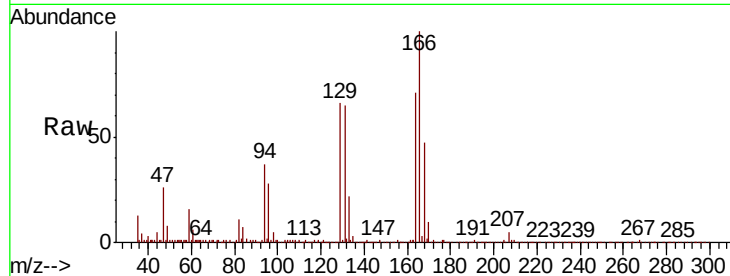
Ion Ratio Lower Upper

164 100

166 141.8 97.8 146.6

129 93.2 73.0 109.4

131 90.6 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

80000

60000

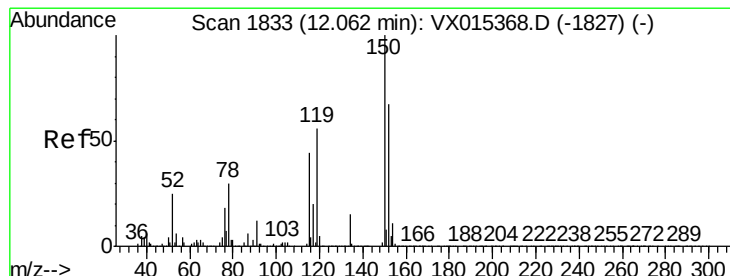
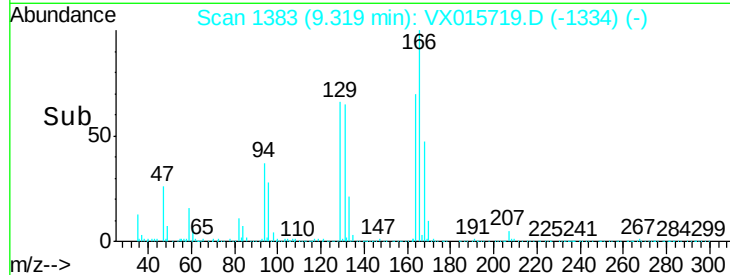
40000

20000

0

9.25 9.30 9.35 9.40

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: VX015719.D

Acq: 16 Apr 2020 17:53

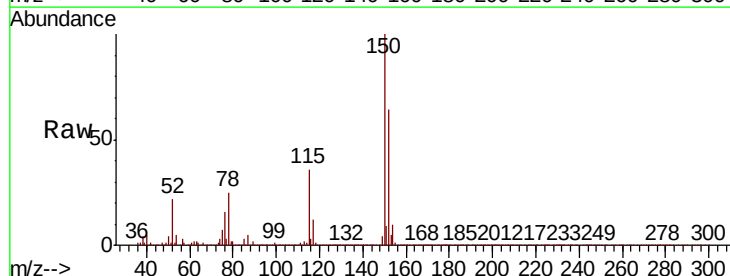
Tgt Ion:152 Resp: 851465

Ion Ratio Lower Upper

152 100

115 55.5 39.0 116.9

150 156.9 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

1500000

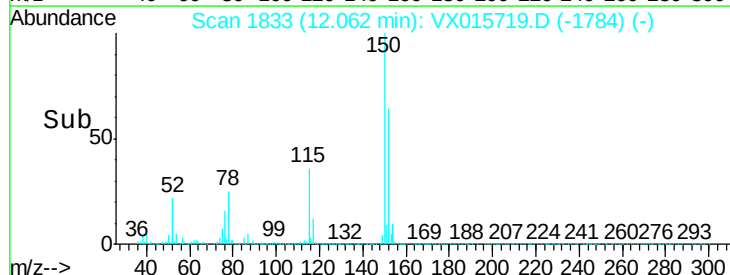
1000000

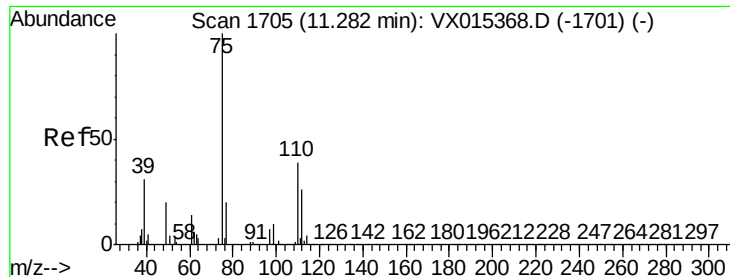
500000

0

12.00 12.05 12.10

Time-->





#76

1,2,3-Trichloropropane

Concen: 22.635 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015719.D

Acq: 16 Apr 2020 17:53

Instrument :

MSVOA_X

ClientSampleId :

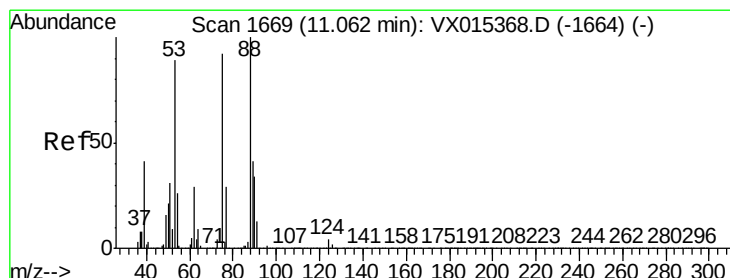
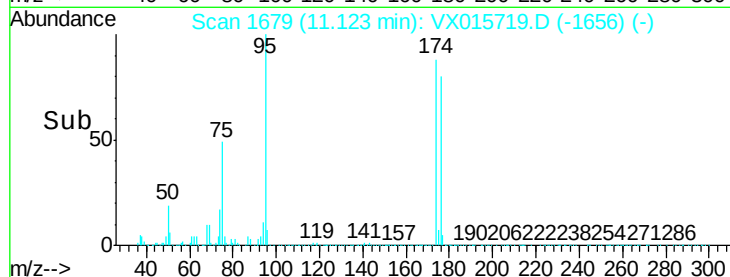
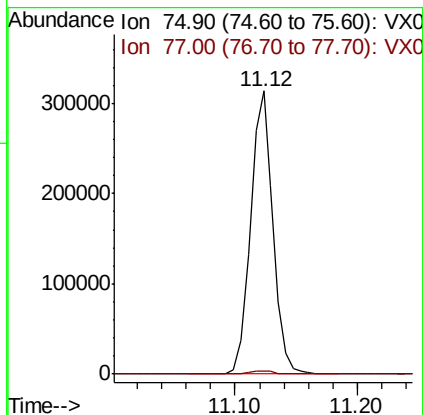
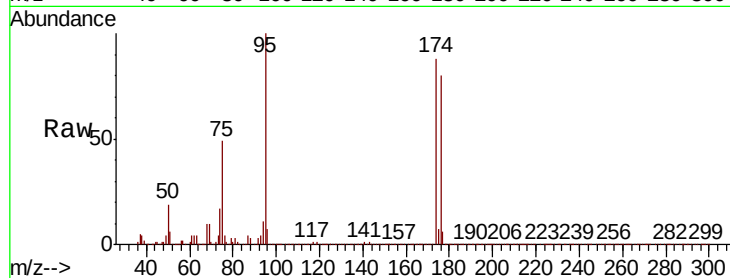
SS036MW016-200413

Tot Ion: 75 Resp: 396336

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.312 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015719.D

Acq: 16 Apr 2020 17:53

Tgt Ion: 75 Resp: 396336

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.3 36.1 54.1#

