

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040820\
 Data File : VX015576.D
 Acq On : 08 Apr 2020 17:55
 Operator : JC/SP
 Sample : L2190-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW109-200407

Quant Time: Apr 09 06:24:14 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	1071744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1672517	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1610304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	890046	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	697698	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	
35) Dibromofluoromethane	5.47	113	522079	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
50) Toluene-d8	8.70	98	2009569	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	11.12	95	882915	55.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.38%	

Target Compounds

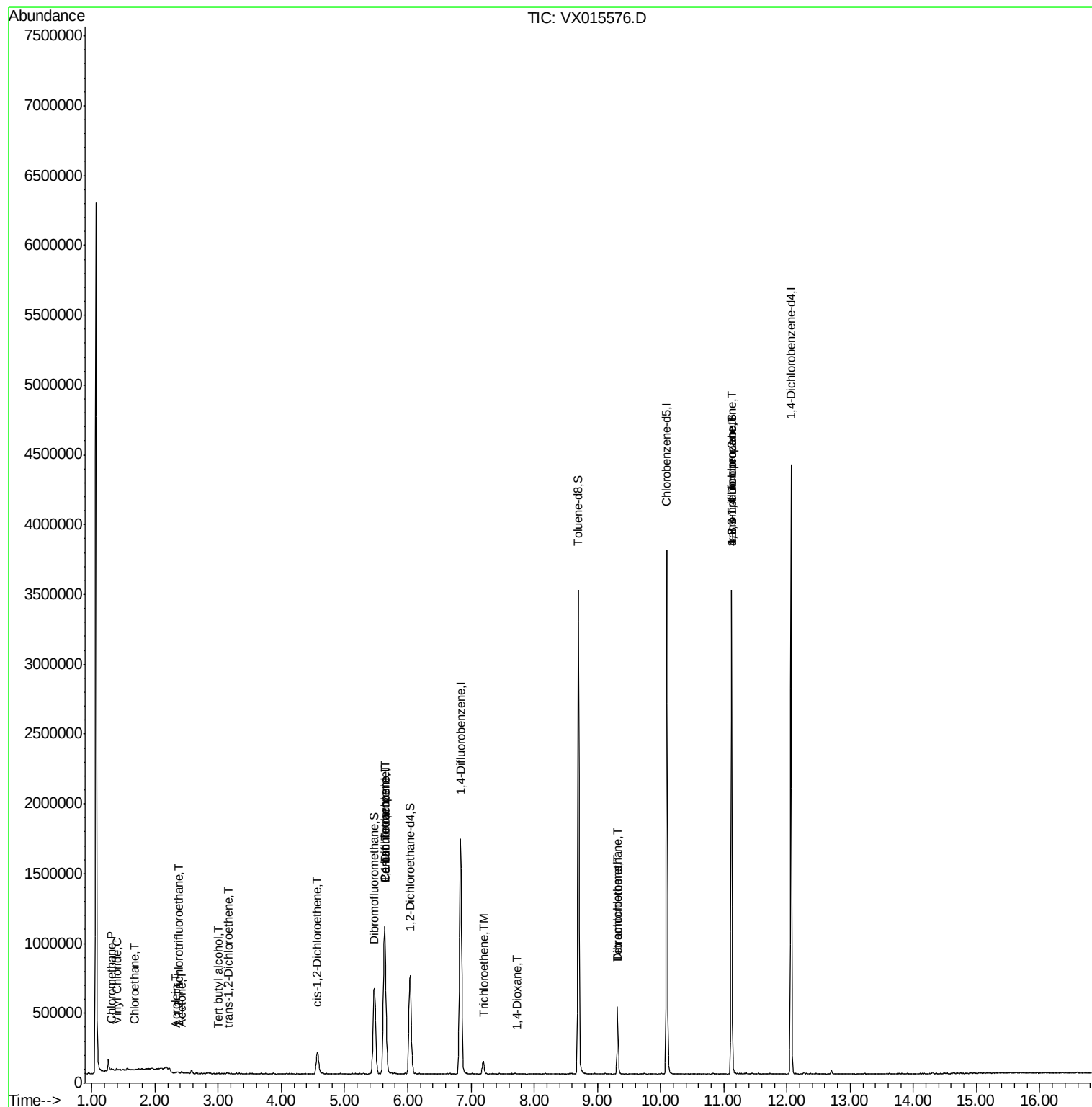
					Qvalue	
3) Chloromethane	1.31	50	5939	0.494	ug/l	96
4) Vinyl Chloride	1.39	62	7480	0.677	ug/l	94
5) Bromomethane	1.63	94	535	Below Cal	#	4
6) Chloroethane	1.67	64	1722	0.251	ug/l #	10
9) 1,1,2-Trichlorotrifluoroet	2.36	101	4109	0.426	ug/l #	81
11) Tert butyl alcohol	3.01	59	970	0.268	ug/l #	1
13) Acrolein	2.33	56	1496	0.726	ug/l #	52
16) Acetone	2.42	43	11365	1.750	ug/l	93
21) trans-1,2-Dichloroethene	3.15	96	2658	0.237	ug/l #	53
27) cis-1,2-Dichloroethene	4.57	96	98830	7.607	ug/l	92
36) 1,1-Dichloropropene	5.63	75	80470	5.222	ug/l #	52
38) Carbon Tetrachloride	5.63	117	102943	6.168	ug/l #	16
44) Trichloroethene	7.19	130	39726	3.227	ug/l	98
49) 1,4-Dioxane	7.74	88	577	1.828	ug/l #	90
60) Dibromochloromethane	9.32	129	88592	6.466	ug/l #	12
64) Tetrachloroethene	9.32	164	95189	7.833	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	454078	24.809	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	454078	59.528	ug/l #	10

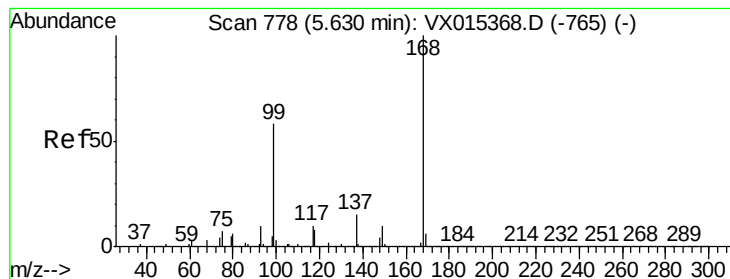
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015576.D

Acq: 08 Apr 2020 17:55

Instrument :

MSVOA_X

ClientSampleId :

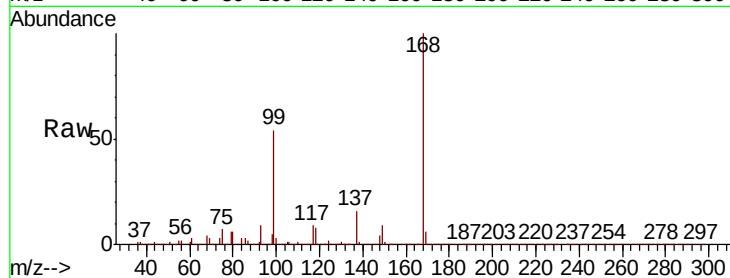
SS037MW109-200407

Tot Ion:168 Resp: 1071744

Ion Ratio Lower Upper

168 100

99 53.6 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

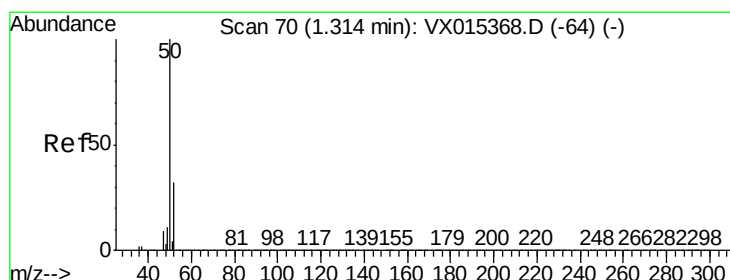
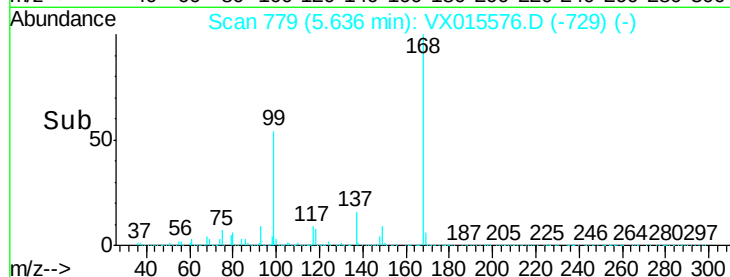
300000

200000

100000

0

Time--> 5.40 5.60 5.80



#3

Chloromethane

Concen: 0.494 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015576.D

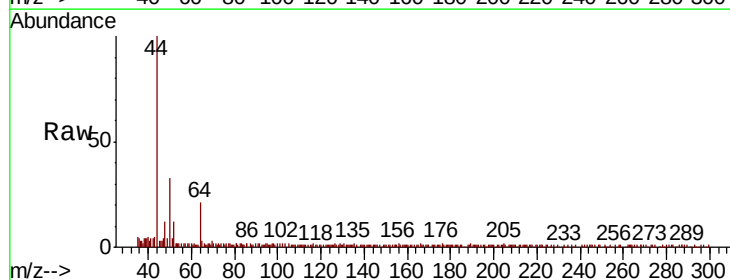
Acq: 08 Apr 2020 17:55

Tgt Ion: 50 Resp: 5939

Ion Ratio Lower Upper

50 100

52 33.8 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

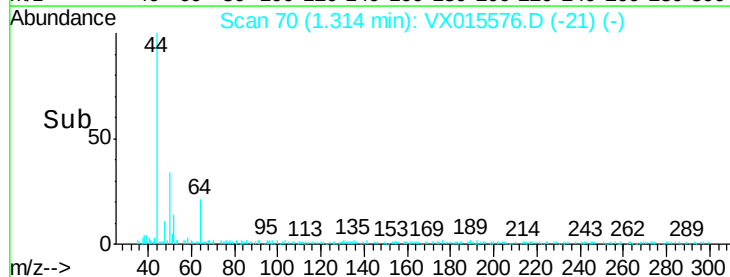
6000

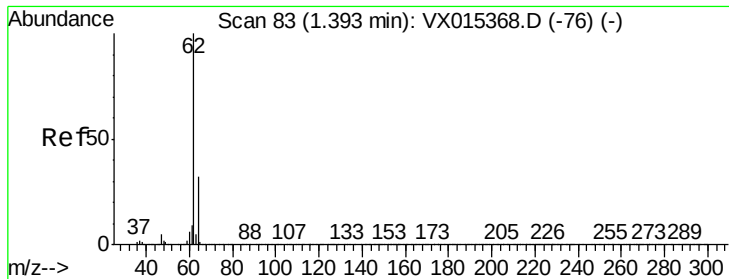
4000

2000

0

Time--> 1.28 1.30 1.32 1.34 1.36





#4

Vinyl Chloride

Concen: 0.677 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX015576.D

Acq: 08 Apr 2020 17:55

Instrument :

MSVOA_X

ClientSampleId :

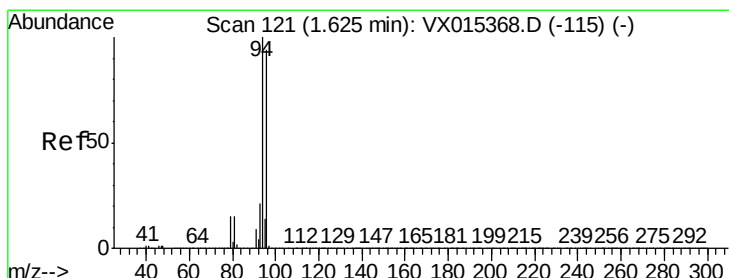
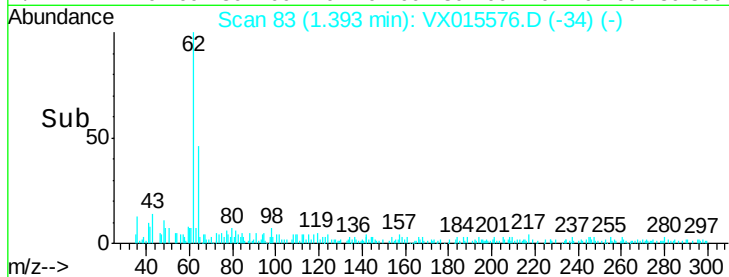
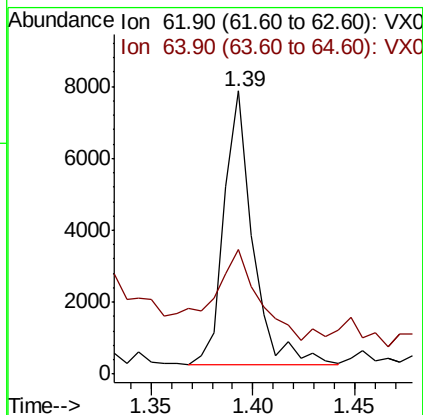
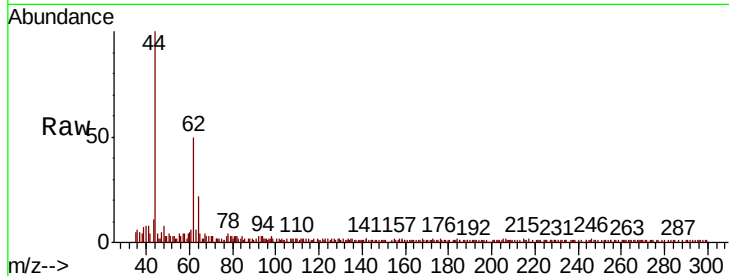
SS037MW109-200407

Tot Ion: 62 Resp: 7480

Ion Ratio Lower Upper

62 100

64 29.3 26.0 39.0



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015576.D

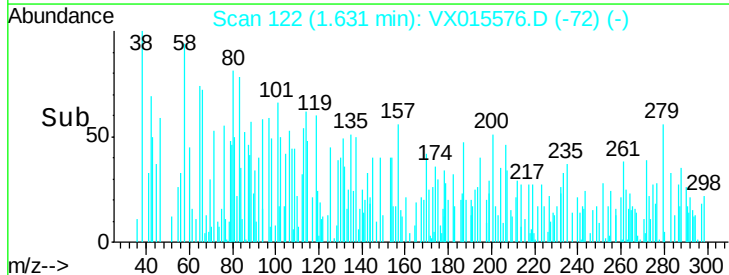
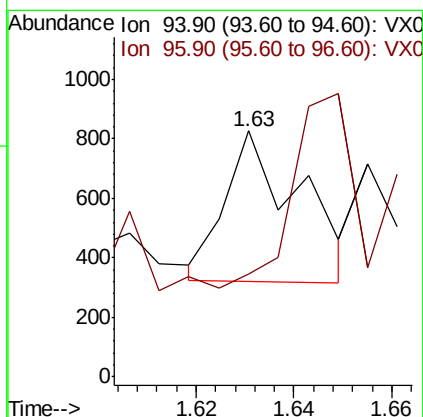
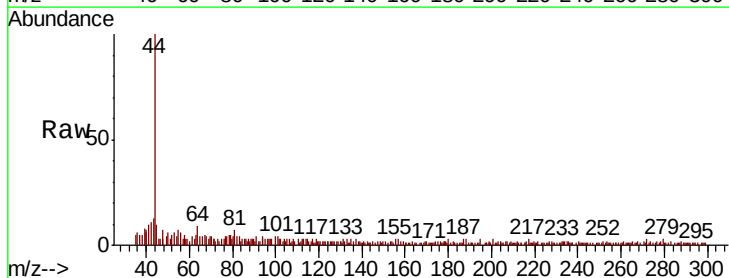
Acq: 08 Apr 2020 17:55

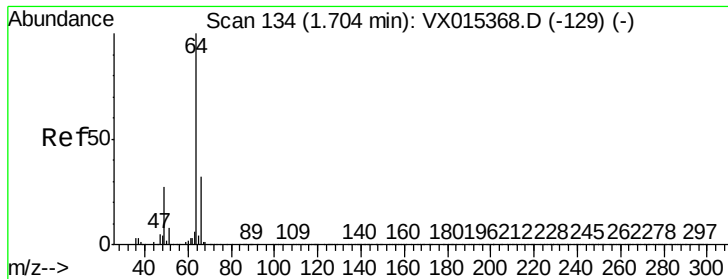
Tgt Ion: 94 Resp: 535

Ion Ratio Lower Upper

94 100

96 1.1 74.8 112.2#





#6

Chloroethane

Concen: 0.251 ug/l

RT: 1.67 min Scan# 129

Delta R.T. -0.03 min

Lab File: VX015576.D

Acq: 08 Apr 2020 17:55

Instrument :

MSVOA_X

ClientSampleId :

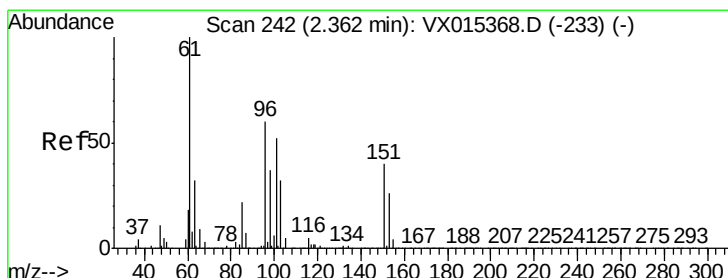
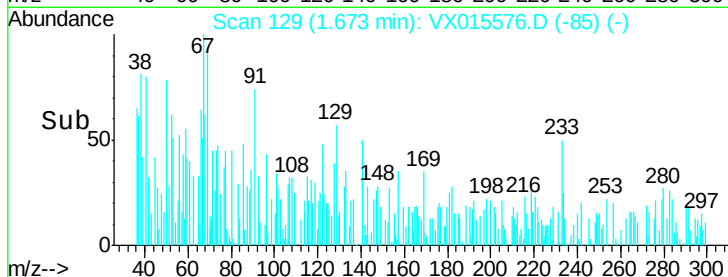
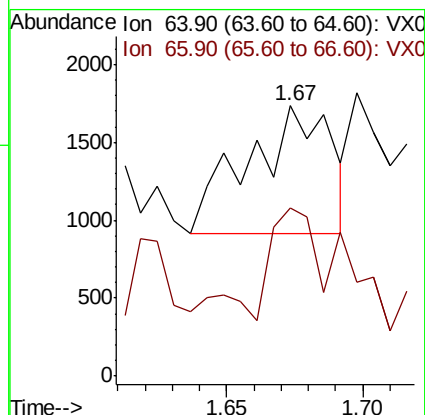
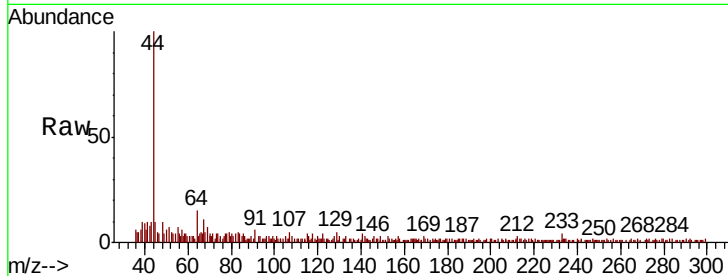
SS037MW109-200407

Tot Ion: 64 Resp: 1722

Ion Ratio Lower Upper

64 100

66 81.7 25.4 38.2#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.426 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.00 min

Lab File: VX015576.D

Acq: 08 Apr 2020 17:55

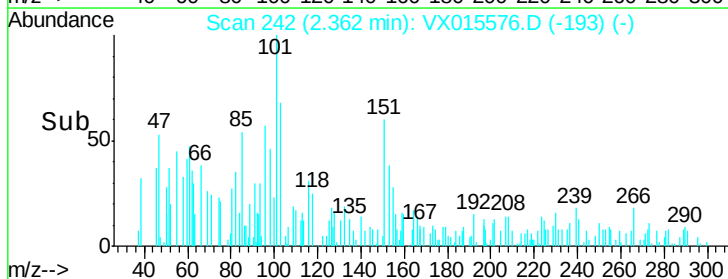
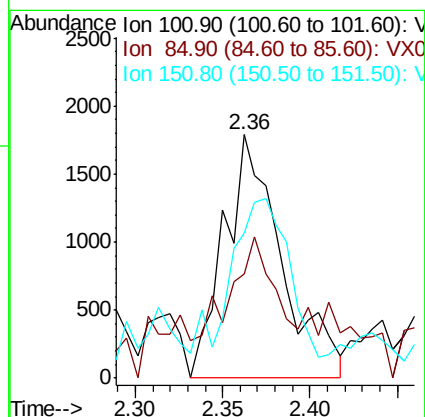
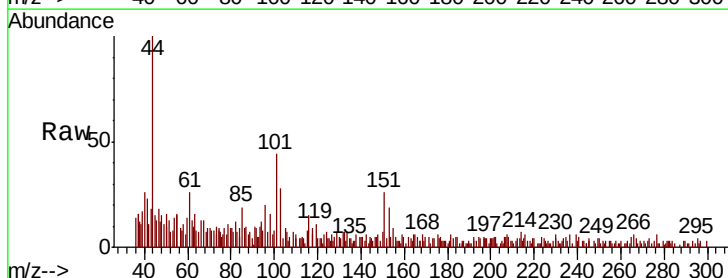
Tgt Ion: 101 Resp: 4109

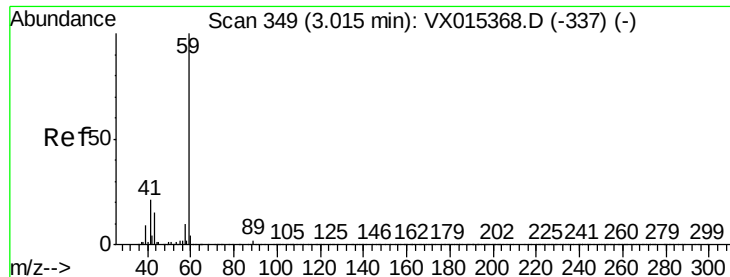
Ion Ratio Lower Upper

101 100

85 29.2 35.0 52.4#

151 64.3 64.1 96.1

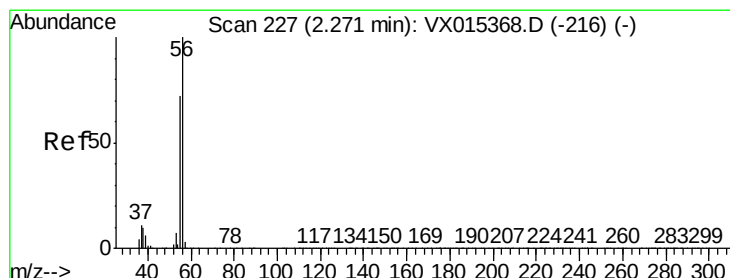
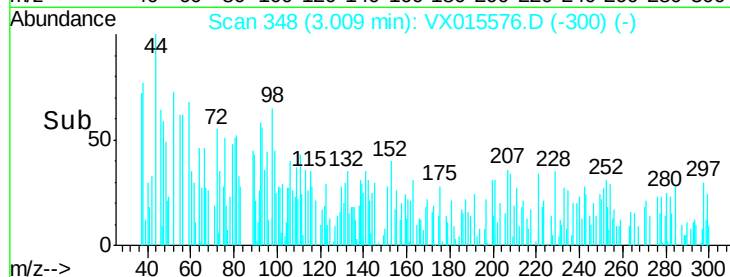
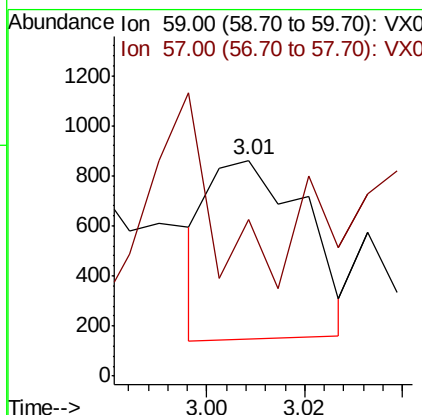
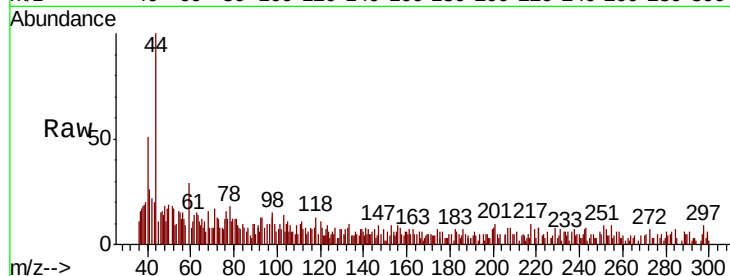




#11
Tert butyl alcohol
Concen: 0.268 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015576.D
Acq: 08 Apr 2020 17:55

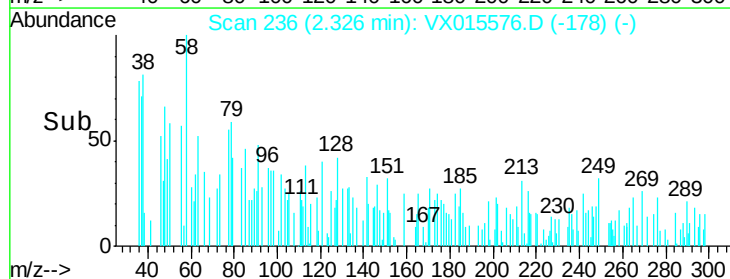
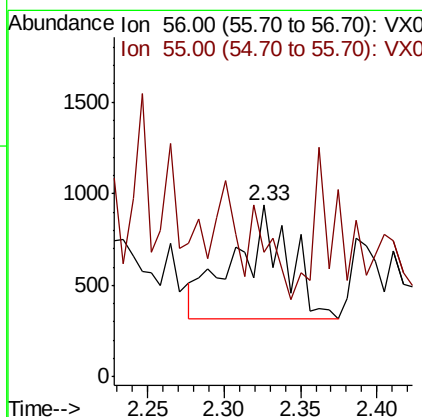
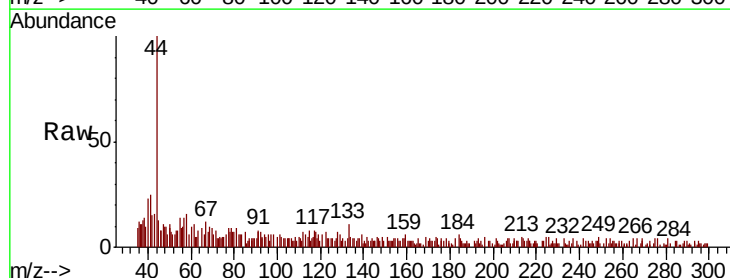
Instrument :
MSVOA_X
ClientSampleId :
SS037MW109-200407

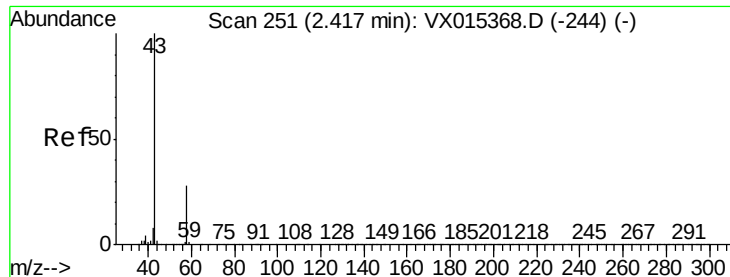
Tot Ion: 59 Resp: 970
Ion Ratio Lower Upper
59 100
57 117.4 8.1 12.1#



#13
Acrolein
Concen: 0.726 ug/l
RT: 2.33 min Scan# 236
Delta R.T. 0.05 min
Lab File: VX015576.D
Acq: 08 Apr 2020 17:55

Tgt Ion: 56 Resp: 1496
Ion Ratio Lower Upper
56 100
55 31.6 57.0 85.4#

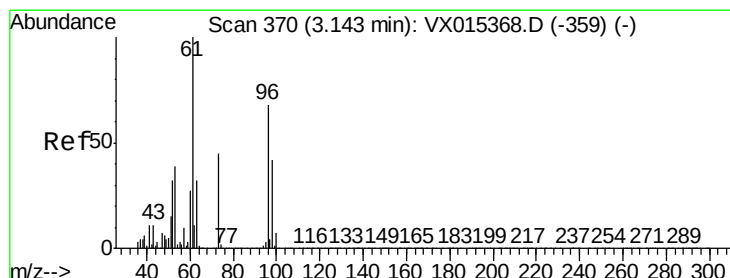
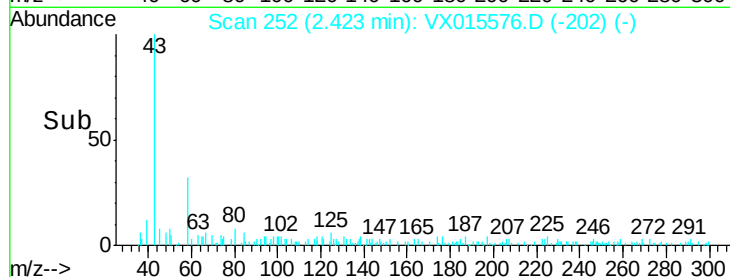
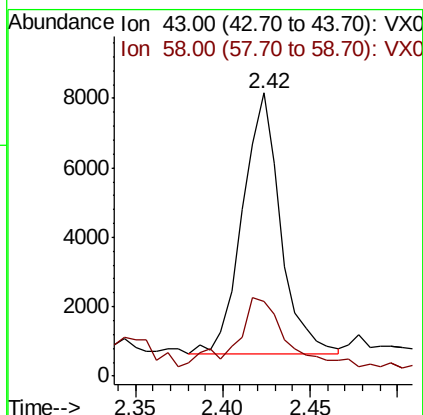
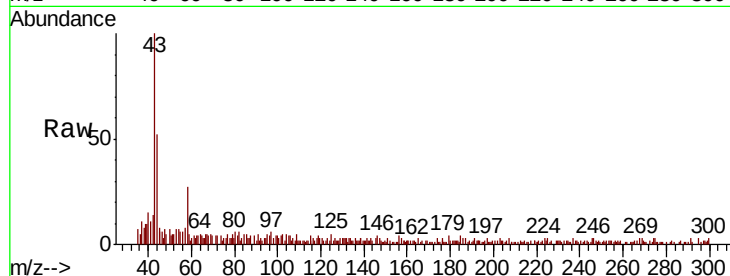




#16
Acetone
Concen: 1.750 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015576.D
Acq: 08 Apr 2020 17:55

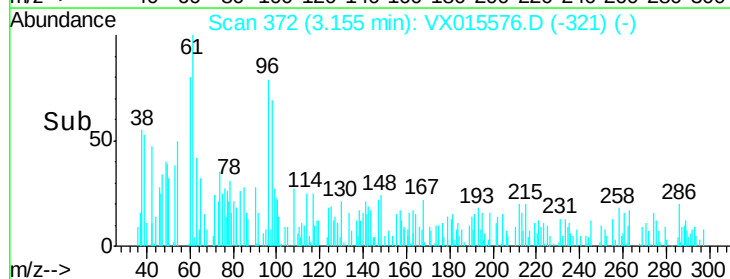
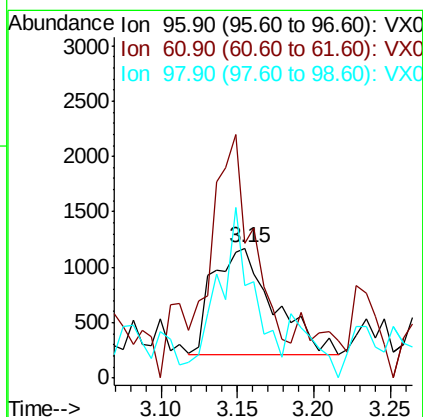
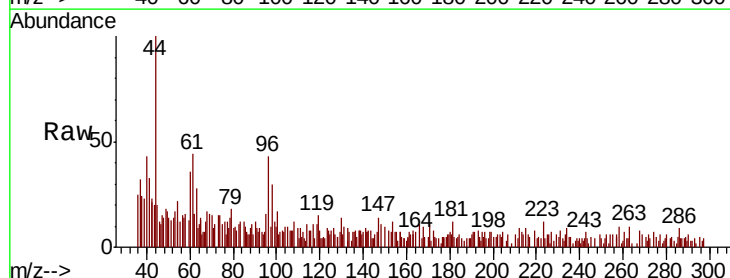
Instrument :
MSVOA_X
ClientSampleId :
SS037MW109-200407

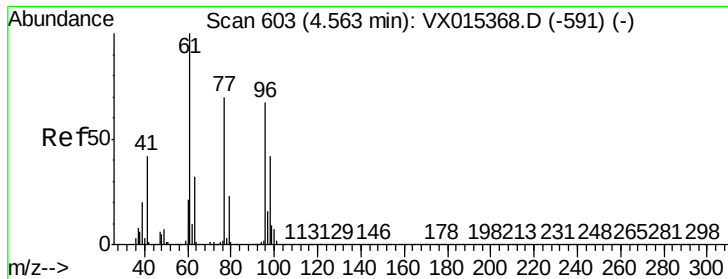
Tot Ion: 43 Resp: 11365
Ion Ratio Lower Upper
43 100
58 23.9 22.1 33.1



#21
trans-1,2-Dichloroethene
Concen: 0.237 ug/l
RT: 3.15 min Scan# 372
Delta R.T. 0.01 min
Lab File: VX015576.D
Acq: 08 Apr 2020 17:55

Tgt Ion: 96 Resp: 2658
Ion Ratio Lower Upper
96 100
61 81.3 116.9 175.3#
98 86.8 48.6 73.0#



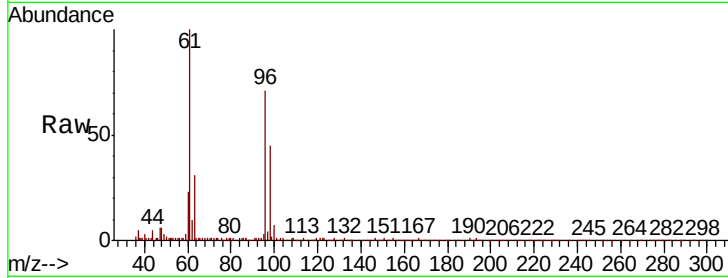


#27

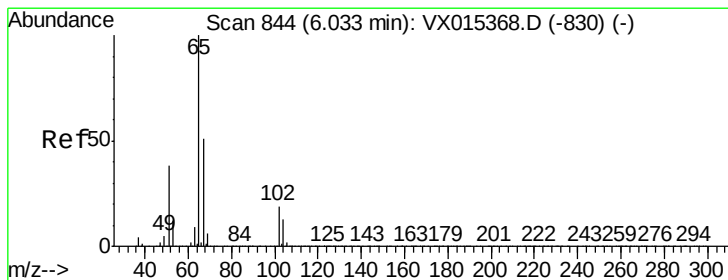
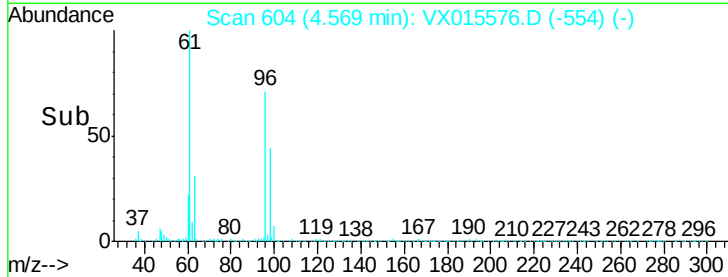
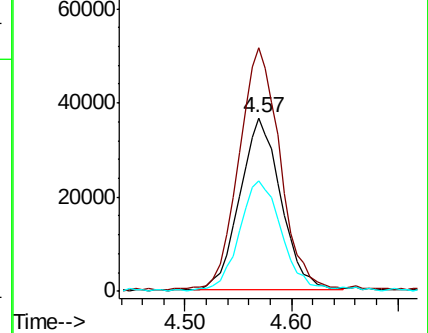
cis-1,2-Dichloroethene
Concen: 7.607 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX015576.D
Acq: 08 Apr 2020 17:55

Instrument :
MSVOA_X
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SS037MW109-200407

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	308.4
98	65.5	0.0	129.2



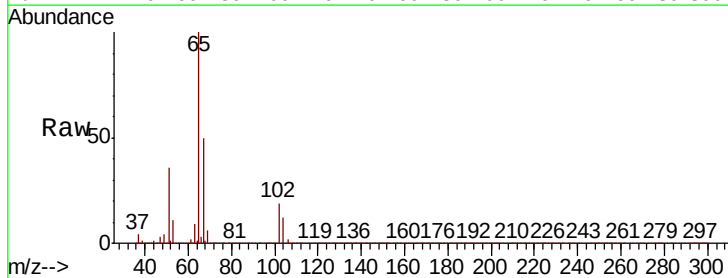
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



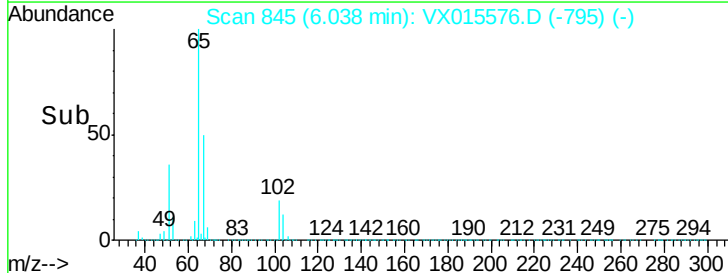
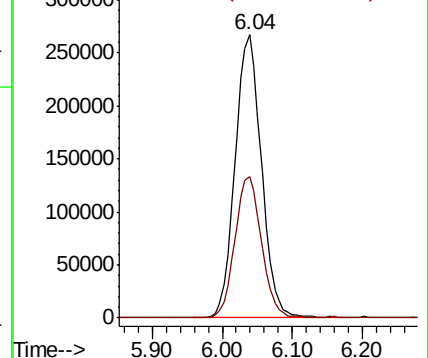
#33

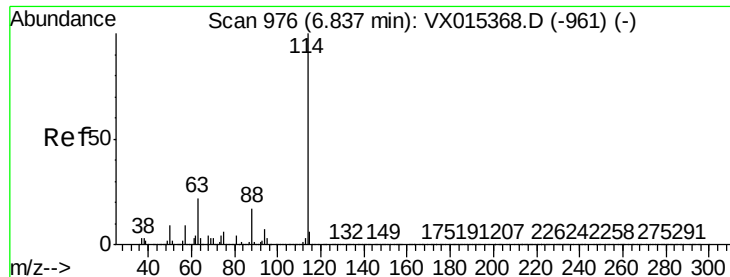
1,2-Dichloroethane-d4
Concen: 46.157 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015576.D
Acq: 08 Apr 2020 17:55

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

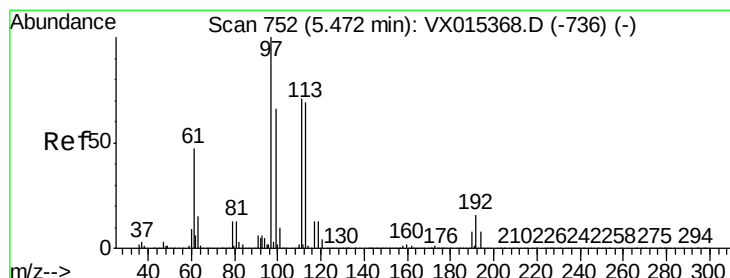
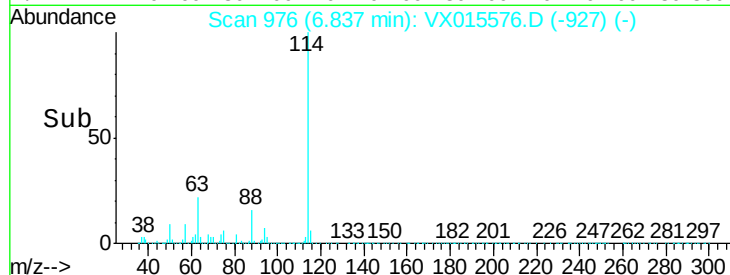
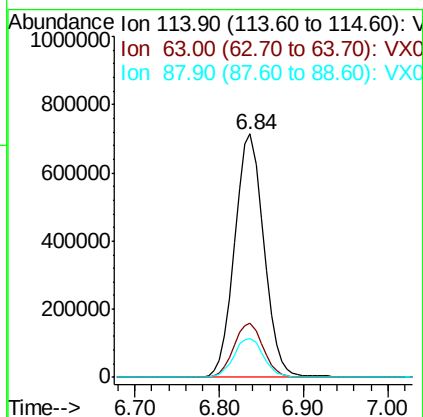
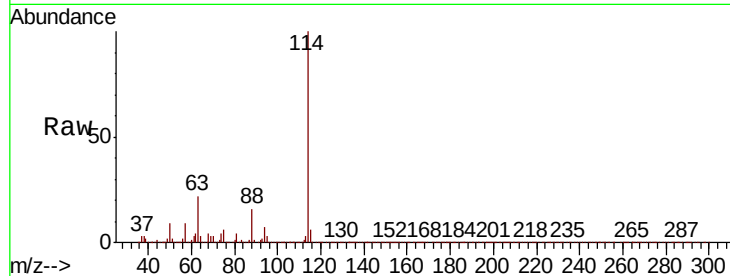




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VX015576.D
 Acq: 08 Apr 2020 17:55

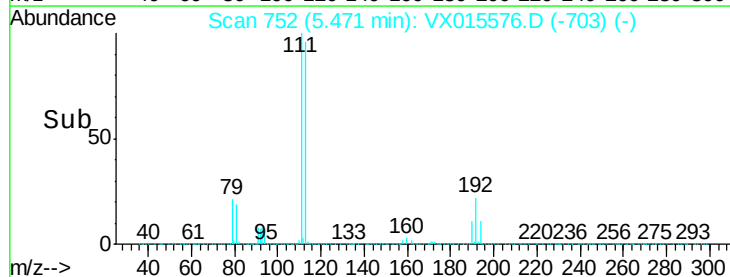
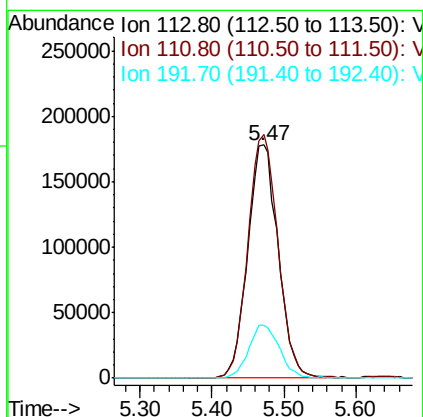
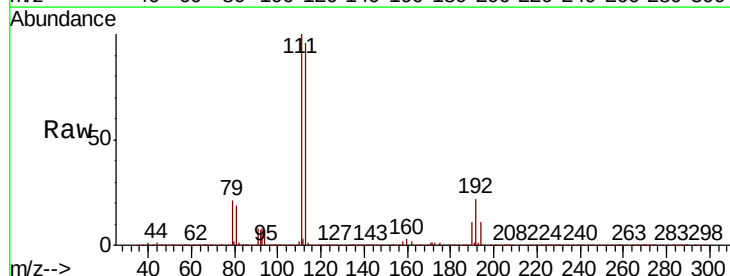
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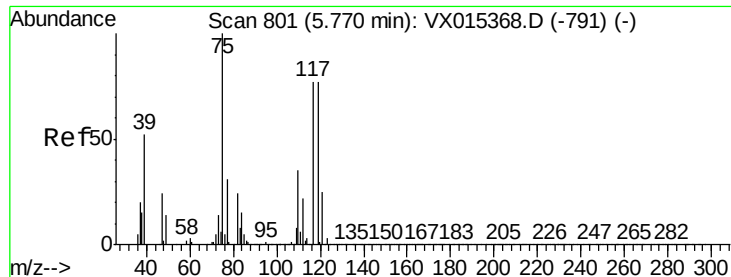
Tot Ion:114 Resp: 1672517
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 44.2
 88 15.9 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 48.833 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015576.D
 Acq: 08 Apr 2020 17:55

Tgt Ion:113 Resp: 522079
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.5 122.3
 192 22.8 17.8 26.6

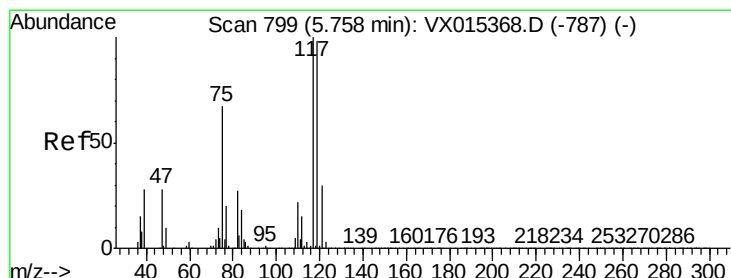
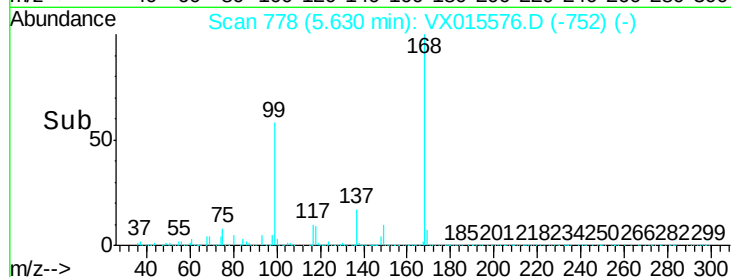
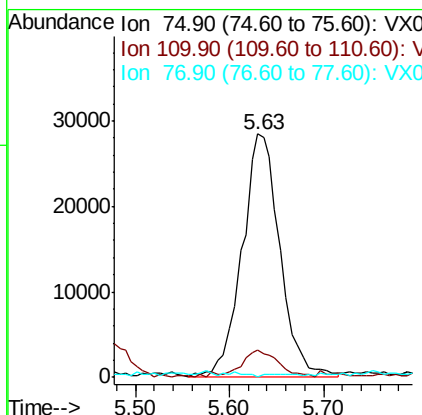
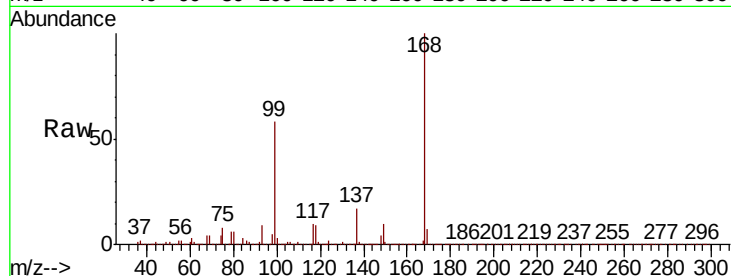




#36
 1,1-Dichloropropene
 Concen: 5.222 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015576.D
 Acq: 08 Apr 2020 17:55

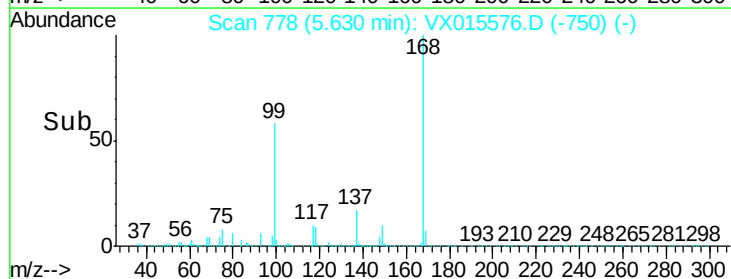
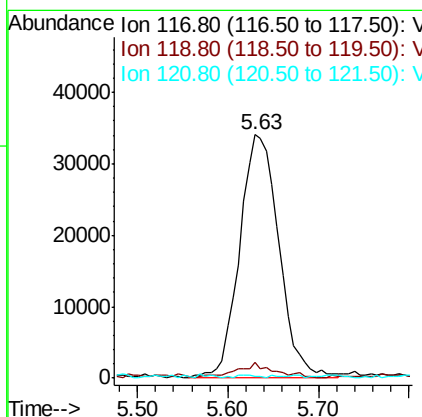
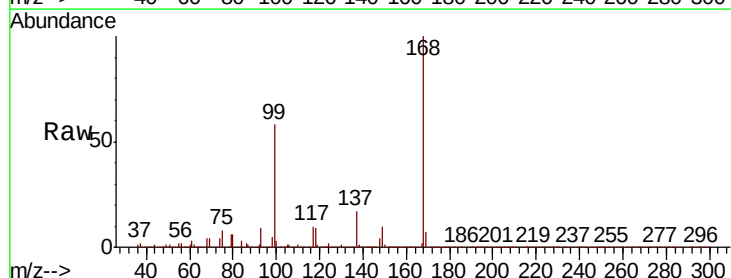
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW109-200407

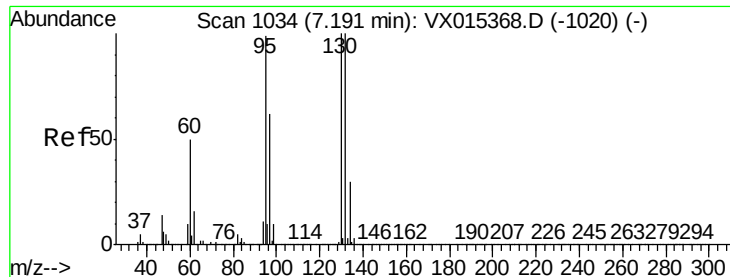
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.6	17.1	51.3#
77	0.6	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.168 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.13 min
 Lab File: VX015576.D
 Acq: 08 Apr 2020 17:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	78.0	117.0#
121	0.4	23.8	35.8#





#44

Trichloroethene

Concen: 3.227 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX015576.D

Acq: 08 Apr 2020 17:55

Instrument :

MSVOA_X

ClientSampleId :

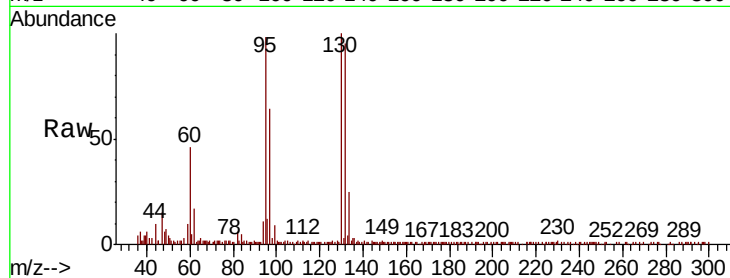
SS037MW109-200407

Tot Ion:130 Resp: 39726

Ion Ratio Lower Upper

130 100

95 97.5 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

20000

15000

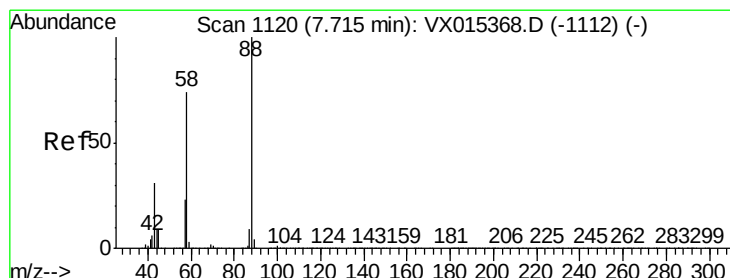
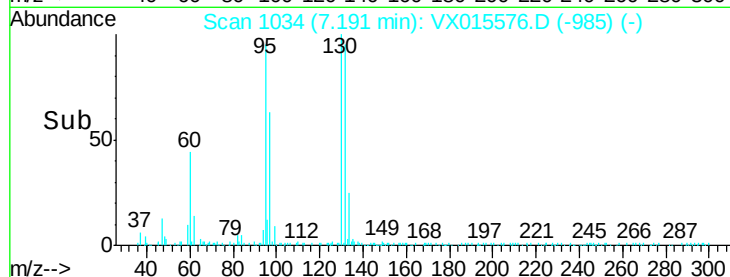
10000

5000

0

7.10 7.15 7.20 7.25 7.30

Time-->



#49

1,4-Dioxane

Concen: 1.828 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.02 min

Lab File: VX015576.D

Acq: 08 Apr 2020 17:55

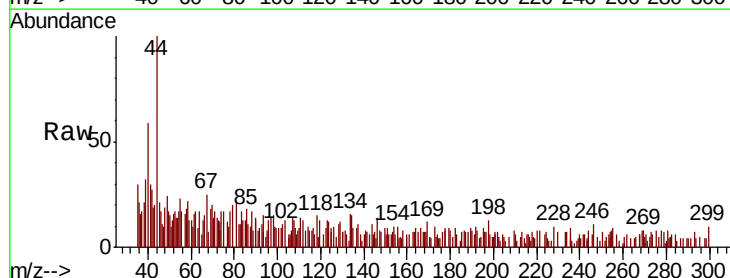
Tgt Ion: 88 Resp: 577

Ion Ratio Lower Upper

88 100

43 55.1 30.1 45.1#

58 75.6 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

1200

1000

800

600

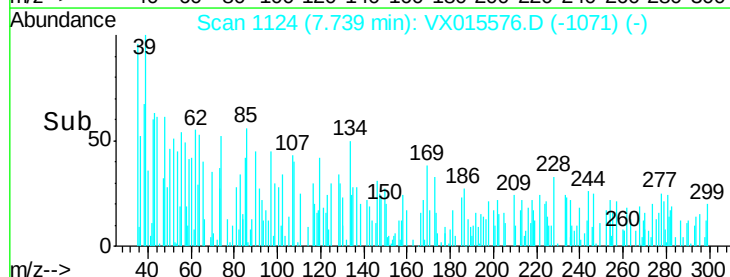
400

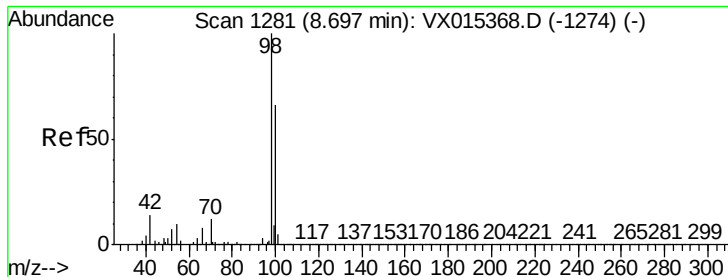
200

0

7.72 7.74 7.76

Time-->





#50

Toluene-d8

Concen: 51.053 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015576.D

Acq: 08 Apr 2020 17:55

Instrument :

MSVOA_X

ClientSampleId :

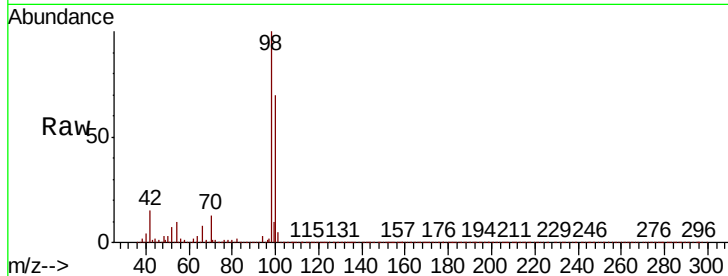
SS037MW109-200407

Tot Ion: 98 Resp: 2009569

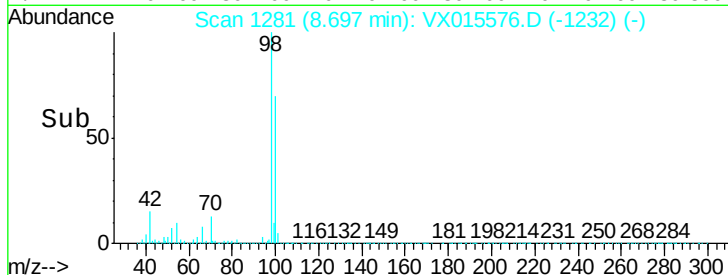
Ion Ratio Lower Upper

98 100

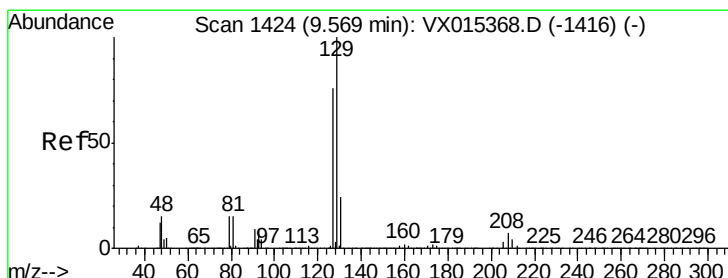
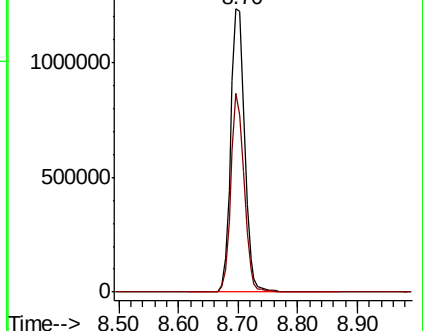
100 66.7 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX015576.D (-1232) (-)



Ion 100.00 (99.70 to 100.70): VX015576.D (-1232) (-)



#60

Dibromochloromethane

Concen: 6.466 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.25 min

Lab File: VX015576.D

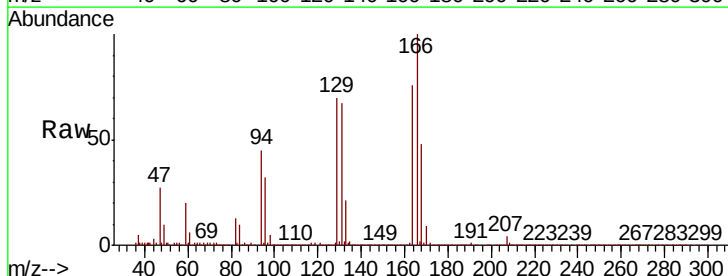
Acq: 08 Apr 2020 17:55

Tgt Ion: 129 Resp: 88592

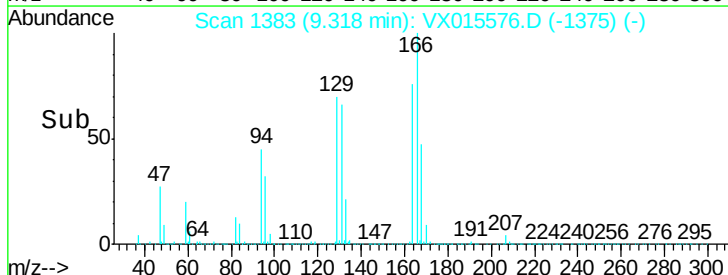
Ion Ratio Lower Upper

129 100

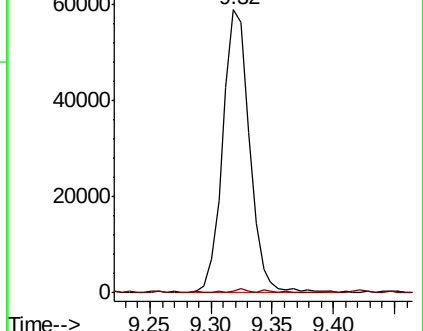
127 1.1 38.2 114.6#

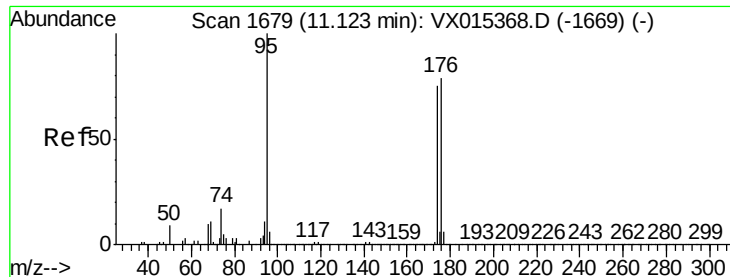


Abundance Ion 128.80 (128.50 to 129.50): VX015576.D (-1375) (-)



Ion 126.80 (126.50 to 127.50): VX015576.D (-1375) (-)





#62

4-Bromofluorobenzene

Concen: 55.193 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015576.D

Acq: 08 Apr 2020 17:55

Instrument :

MSVOA_X

ClientSampleId :

SS037MW109-200407

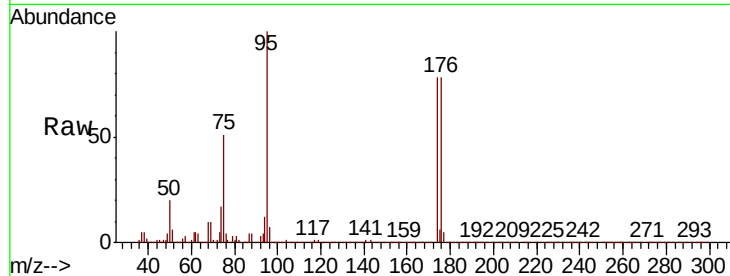
Tot Ion: 95 Resp: 882915

Ion Ratio Lower Upper

95 100

174 80.7 0.0 158.6

176 79.1 0.0 159.0



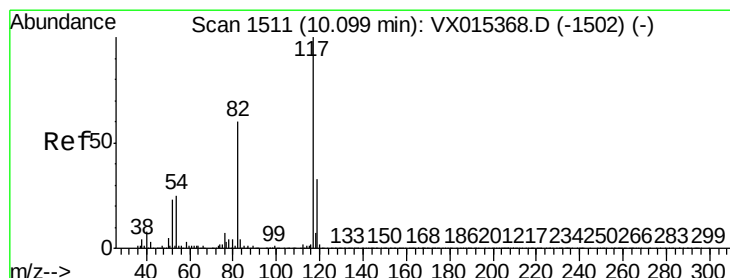
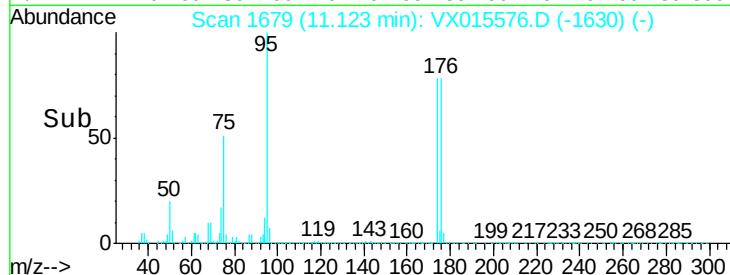
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0

11.12

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015576.D

Acq: 08 Apr 2020 17:55

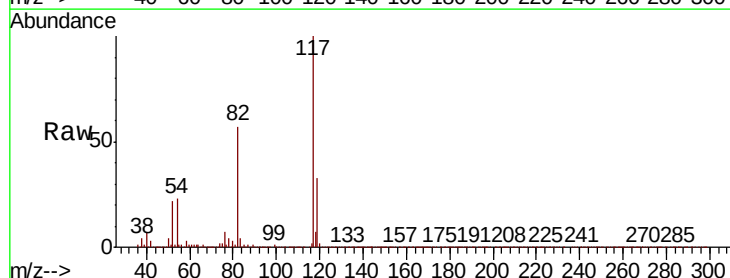
Tgt Ion: 117 Resp: 1610304

Ion Ratio Lower Upper

117 100

82 56.5 47.8 71.8

119 33.1 26.8 40.2



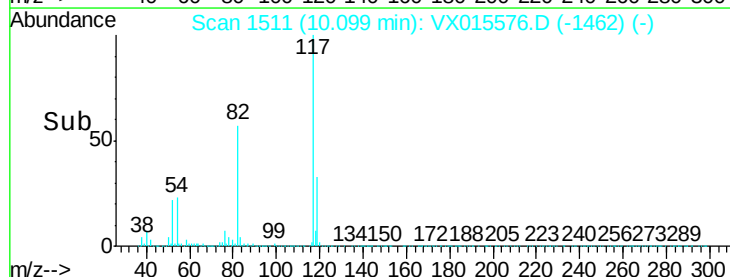
Abundance Ion 116.90 (116.60 to 117.60): VX0

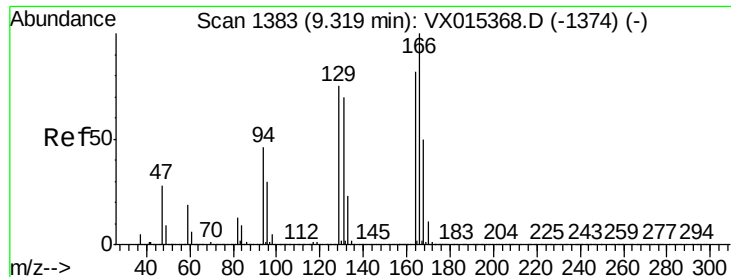
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0

10.10

Time-->

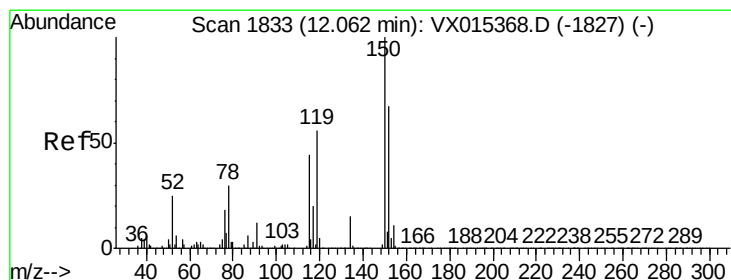
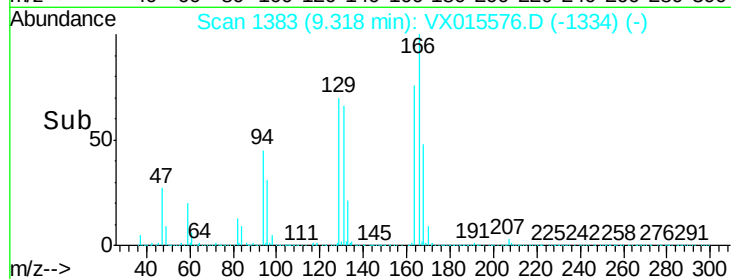
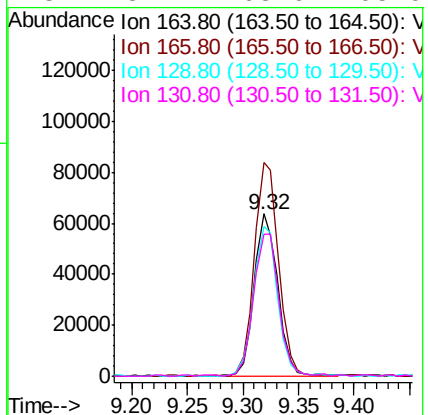
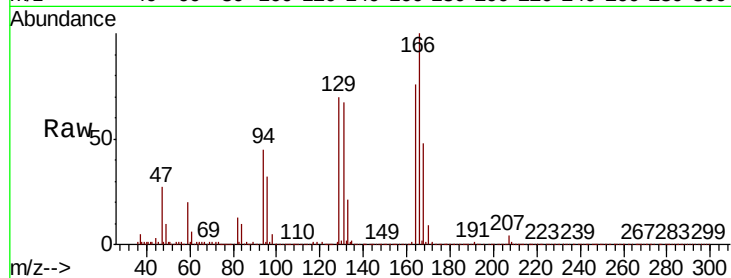




#64
Tetrachloroethene
Concen: 7.833 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX015576.D
Acq: 08 Apr 2020 17:55

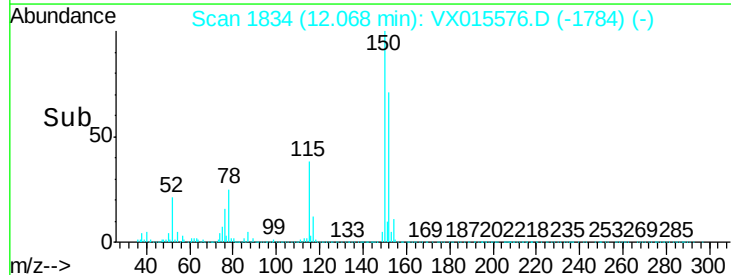
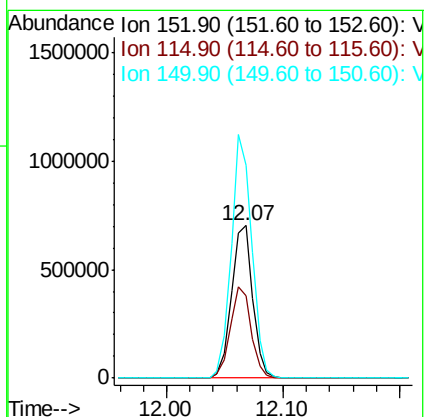
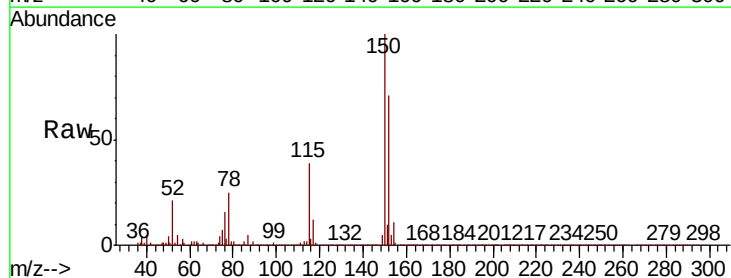
Instrument :
MSVOA_X
ClientSampleId :
SS037MW109-200407

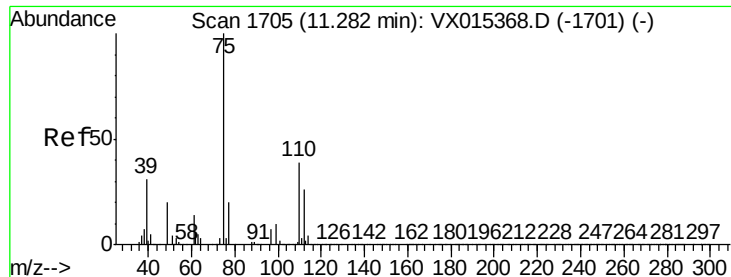
Tot Ion	Ratio	Lower	Upper
164	100		
166	131.3	97.8	146.6
129	91.7	73.0	109.4
131	87.1	68.6	103.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VX015576.D
Acq: 08 Apr 2020 17:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	39.0	116.9
150	154.9	0.0	340.8





#76

1,2,3-Trichloropropane

Concen: 24.809 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015576.D

Acq: 08 Apr 2020 17:55

Instrument :

MSVOA_X

ClientSampleId :

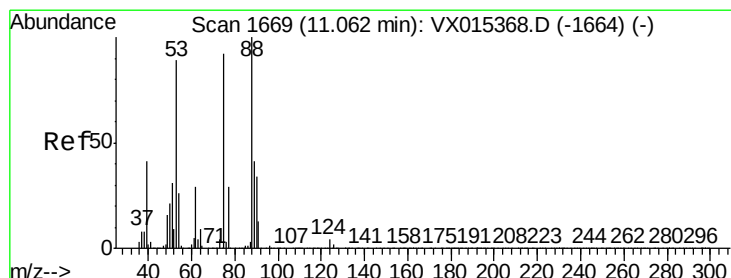
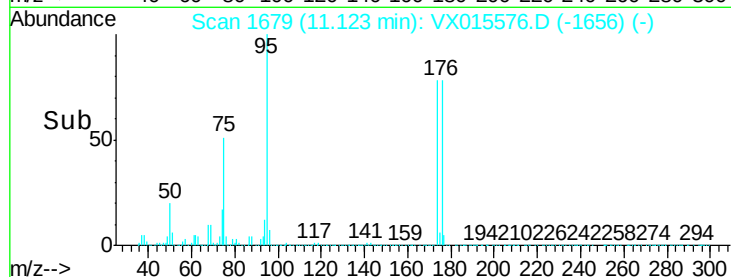
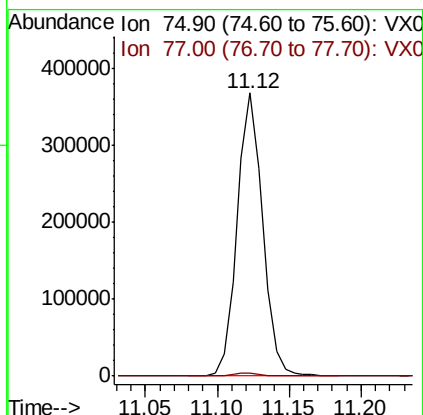
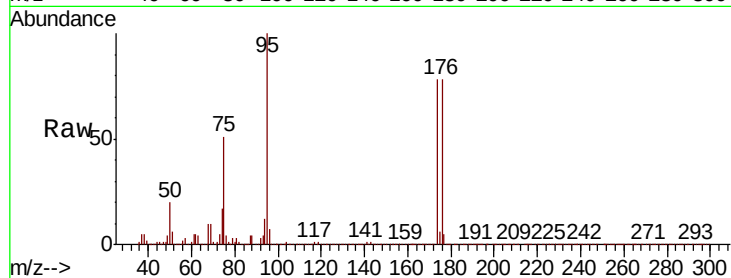
SS037MW109-200407

Tot Ion: 75 Resp: 454078

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.528 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015576.D

Acq: 08 Apr 2020 17:55

Tgt Ion: 75 Resp: 454078

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.1 36.1 54.1#

