

Data File : VX015603.D
Acq On : 09 Apr 2020 17:52
Operator : JC/SP
Sample : L2190-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS037MW301-200406

Quant Time: Apr 10 04:50:28 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	1099797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1743177	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1702188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	936653	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	720784	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
35) Dibromofluoromethane	5.47	113	537901	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
50) Toluene-d8	8.70	98	2106106	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
62) 4-Bromofluorobenzene	11.12	95	926705	55.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.16%	

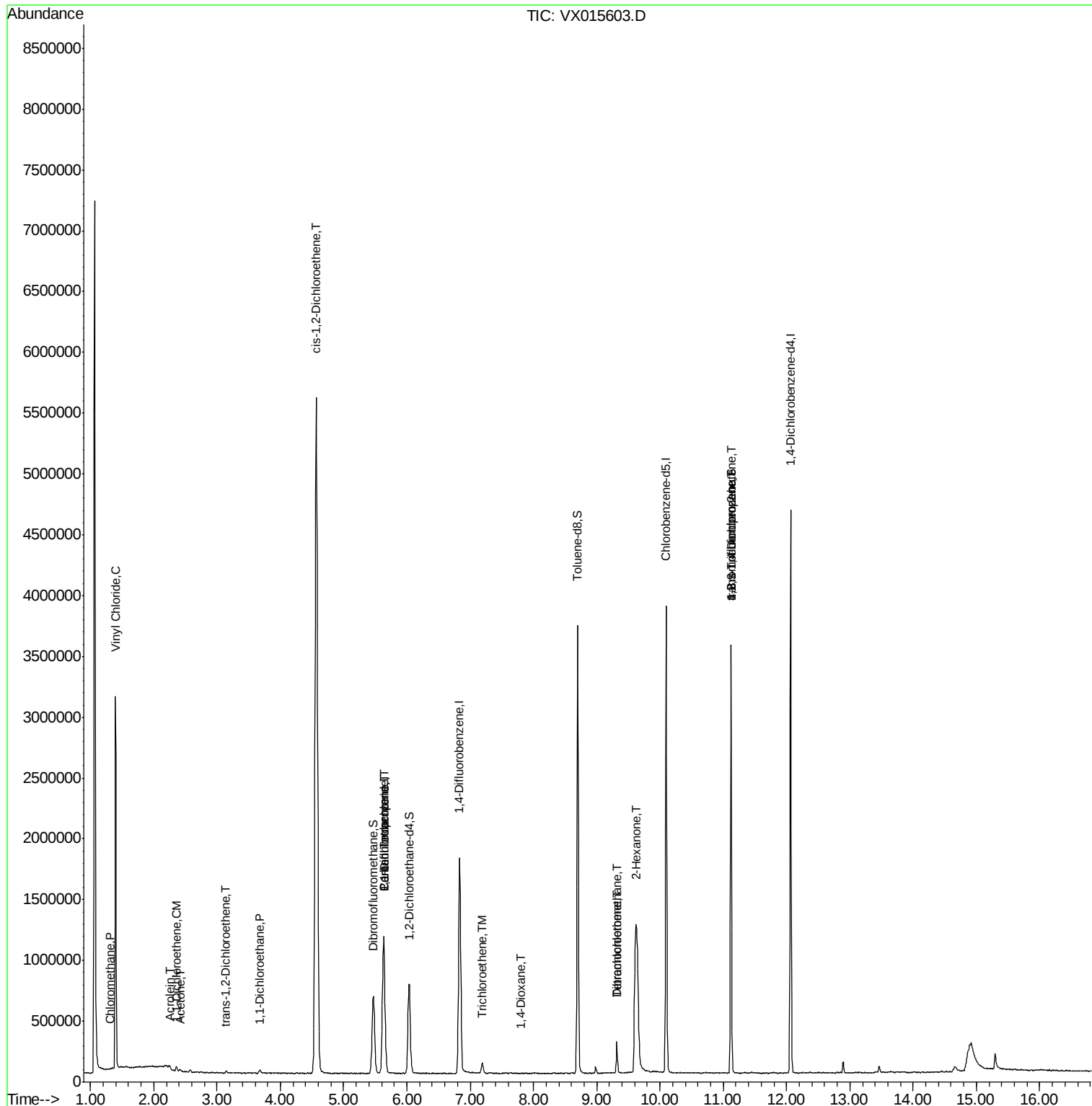
Target Compounds				Qvalue		
3) Chloromethane	1.31	50	2554	0.207	ug/l	97
4) Vinyl Chloride	1.39	62	1843224	162.681	ug/l	100
5) Bromomethane	1.64	94	694	Below Cal	#	71
12) 1,1-Dichloroethene	2.36	96	13355	1.286	ug/l	97
13) Acrolein	2.26	56	429	0.203	ug/l #	14
16) Acetone	2.42	43	24120	3.619	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	5610	0.487	ug/l	95
24) 1,1-Dichloroethane	3.68	63	31389	1.387	ug/l	97
27) cis-1,2-Dichloroethene	4.57	96	3459194	259.466	ug/l	90
36) 1,1-Dichloropropene	5.64	75	79160	4.929	ug/l #	53
38) Carbon Tetrachloride	5.63	117	106132	6.101	ug/l #	16
44) Trichloroethene	7.19	130	33368	2.601	ug/l	87
49) 1,4-Dioxane	7.81	88	1431	4.350	ug/l	90
59) 2-Hexanone	9.62	43	617173	40.859	ug/l #	34
60) Dibromochloromethane	9.32	129	45554	3.190	ug/l #	12
64) Tetrachloroethene	9.32	164	51347	3.997	ug/l	97
76) 1,2,3-Trichloropropane	11.12	75	480291	24.935	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	480291	59.831	ug/l #	10

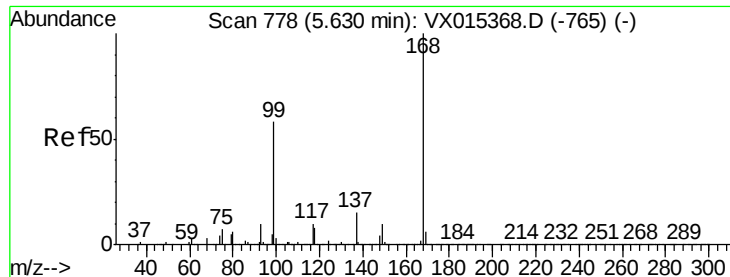
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VX015603.D
Acq On : 09 Apr 2020 17:52
Operator : JC/SP
Sample : L2190-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS037MW301-200406

Quant Time: Apr 10 04:50:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015603.D

Acq: 09 Apr 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

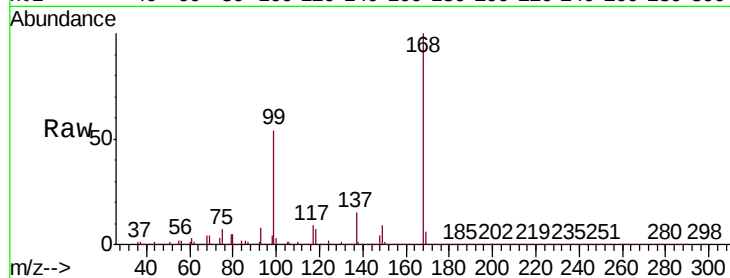
SS037MW301-200406

Tgt Ion:168 Resp: 1099797

Ion Ratio Lower Upper

168 100

99 54.1 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

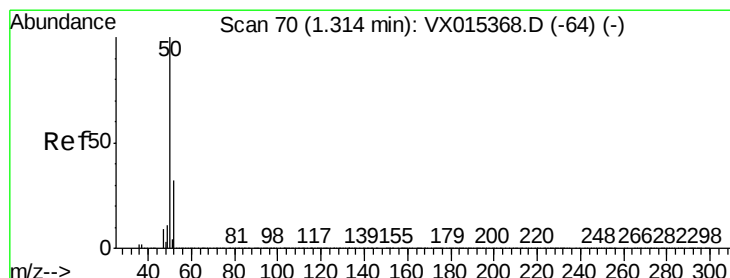
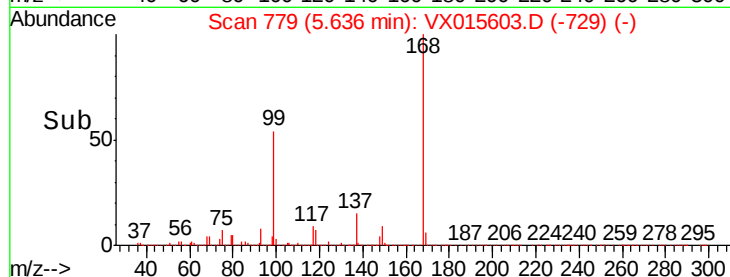
200000

100000

0

Time-->

5.40 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.207 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015603.D

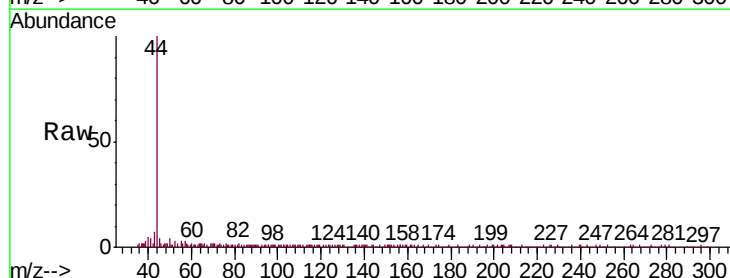
Acq: 09 Apr 2020 17:52

Tgt Ion: 50 Resp: 2554

Ion Ratio Lower Upper

50 100

52 33.2 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

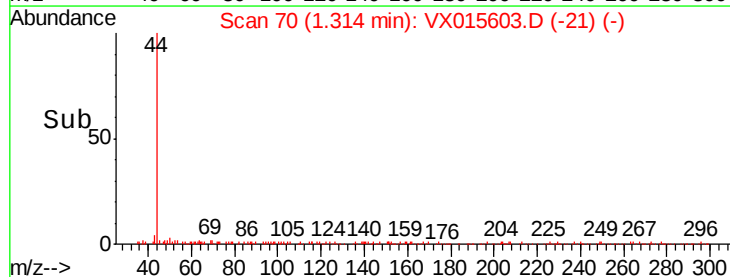
1000

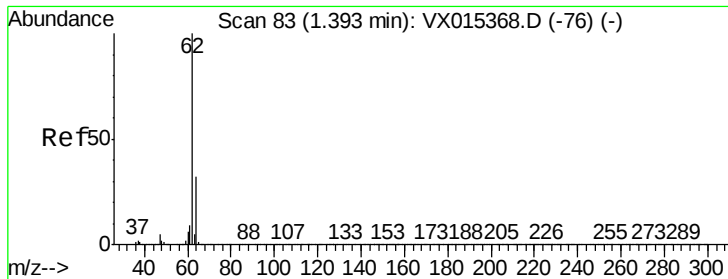
500

0

Time-->

1.30 1.35





#4

Vinyl Chloride

Concen: 162.681 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX015603.D

Acq: 09 Apr 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

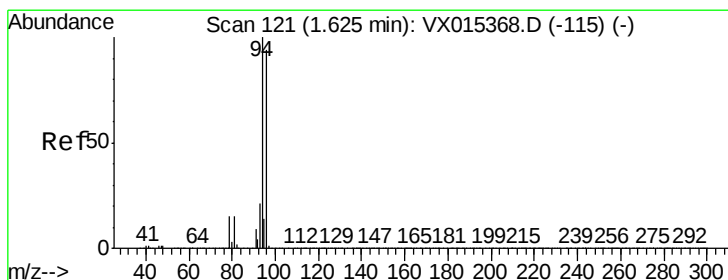
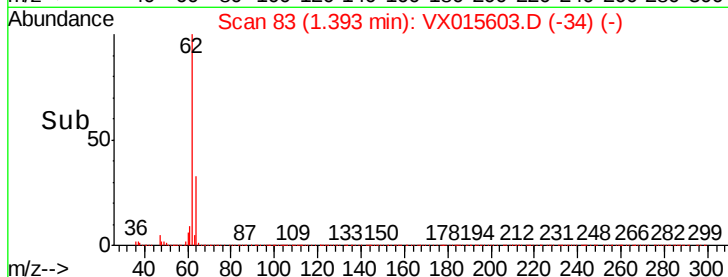
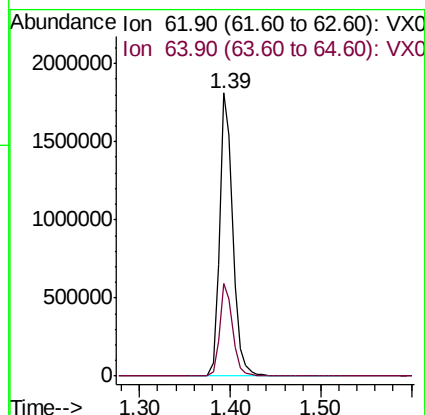
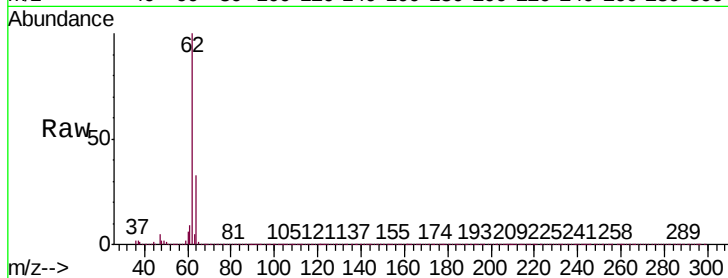
SS037MW301-200406

Tgt Ion: 62 Resp: 1843224

Ion Ratio Lower Upper

62 100

64 32.5 26.0 39.0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015603.D

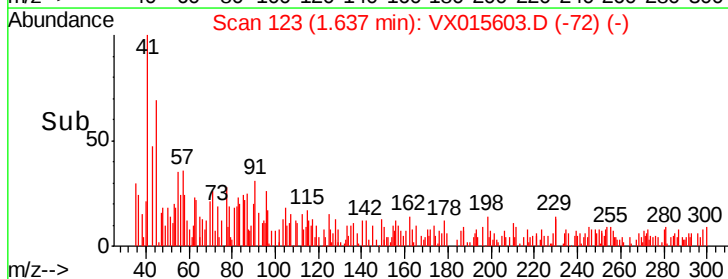
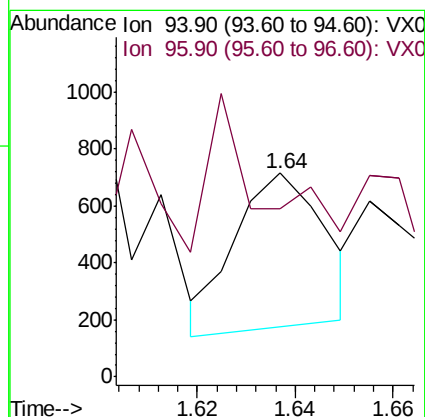
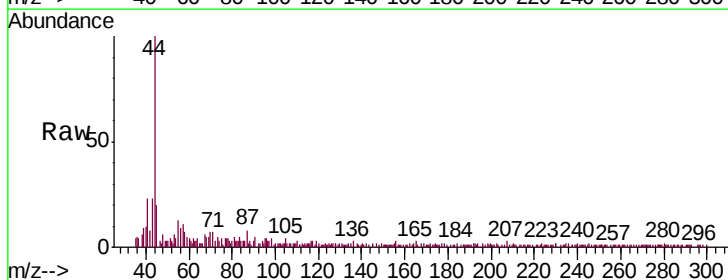
Acq: 09 Apr 2020 17:52

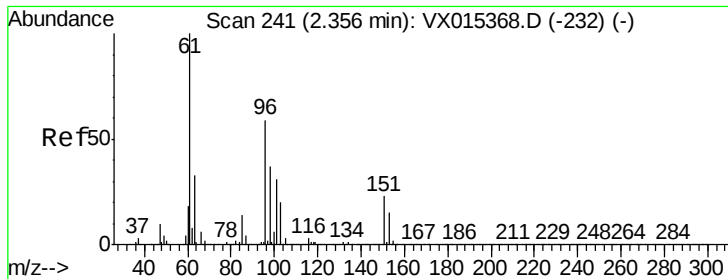
Tgt Ion: 94 Resp: 694

Ion Ratio Lower Upper

94 100

96 121.8 74.8 112.2#





#12

1,1-Dichloroethene

Concen: 1.286 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.01 min

Lab File: VX015603.D

Acq: 09 Apr 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

SS037MW301-200406

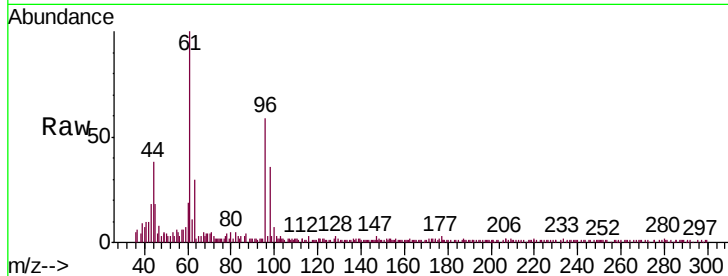
Tgt Ion: 96 Resp: 13355

Ion Ratio Lower Upper

96 100

61 172.7 135.7 203.5

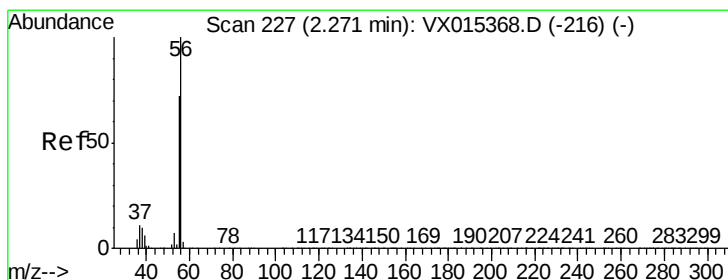
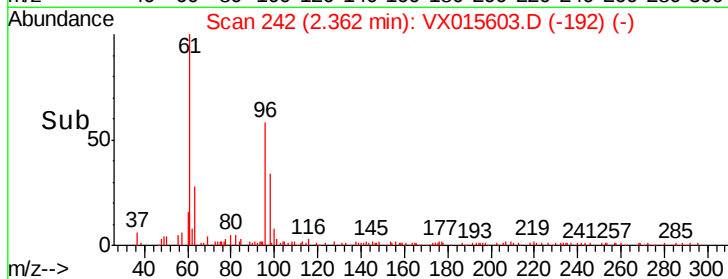
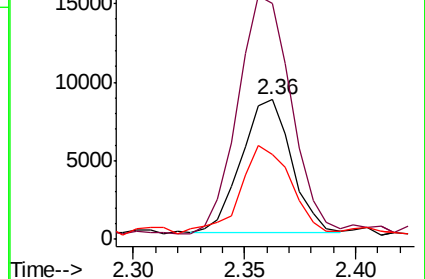
98 58.0 50.6 75.8



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



#13

Acrolein

Concen: 0.203 ug/l

RT: 2.26 min Scan# 225

Delta R.T. -0.01 min

Lab File: VX015603.D

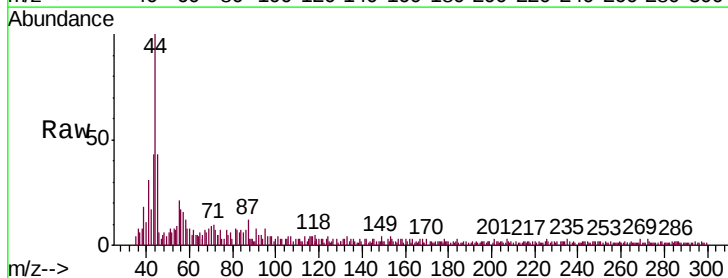
Acq: 09 Apr 2020 17:52

Tgt Ion: 56 Resp: 429

Ion Ratio Lower Upper

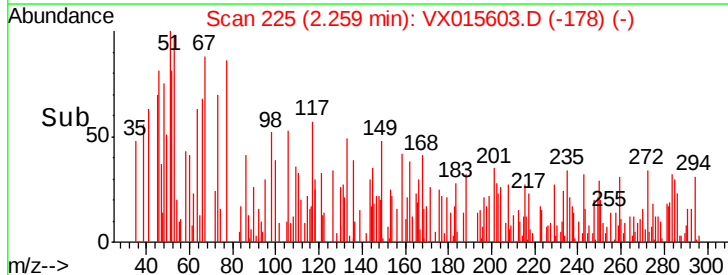
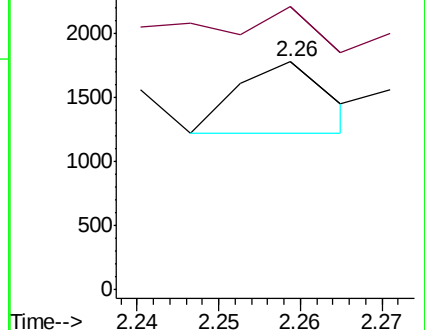
56 100

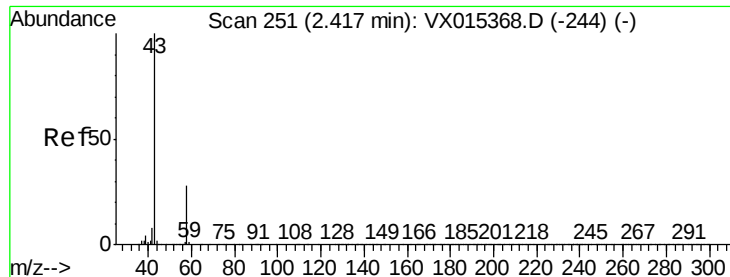
55 0.0 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 3.619 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015603.D

Acq: 09 Apr 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

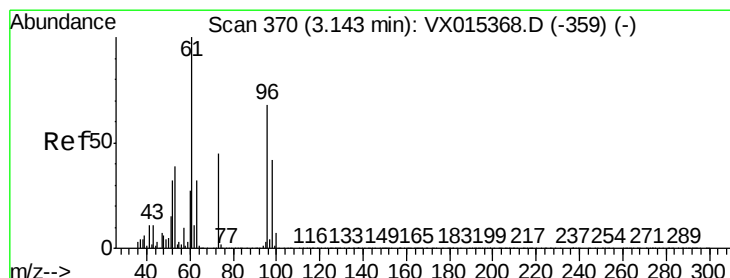
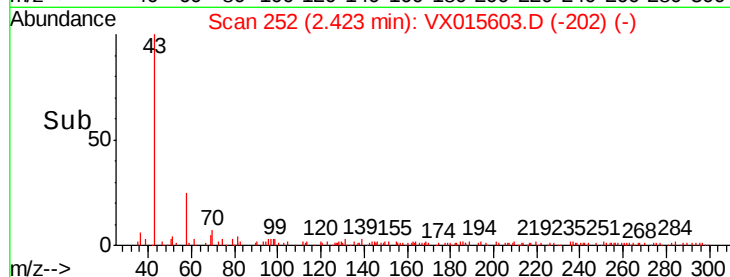
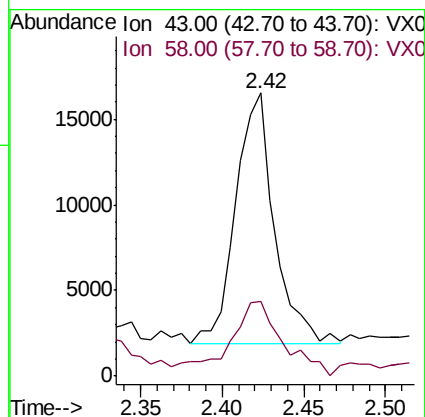
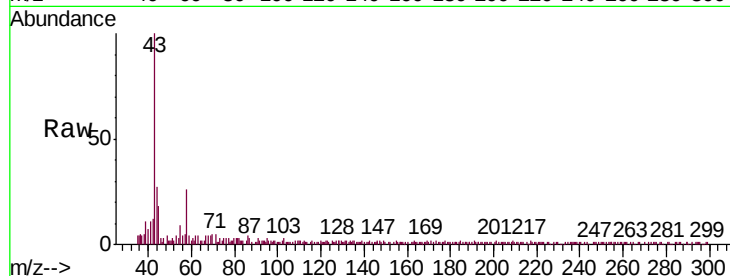
SS037MW301-200406

Tgt Ion: 43 Resp: 24120

Ion Ratio Lower Upper

43 100

58 25.6 22.1 33.1



#21

trans-1,2-Dichloroethene

Concen: 0.487 ug/l

RT: 3.14 min Scan# 370

Delta R.T. -0.00 min

Lab File: VX015603.D

Acq: 09 Apr 2020 17:52

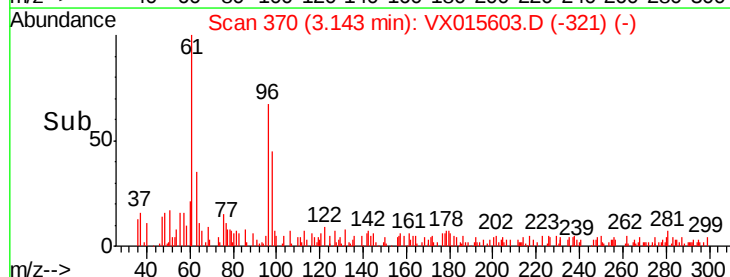
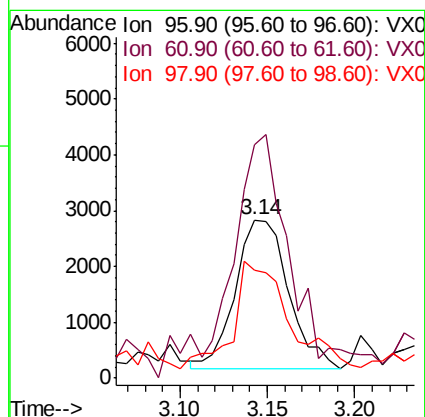
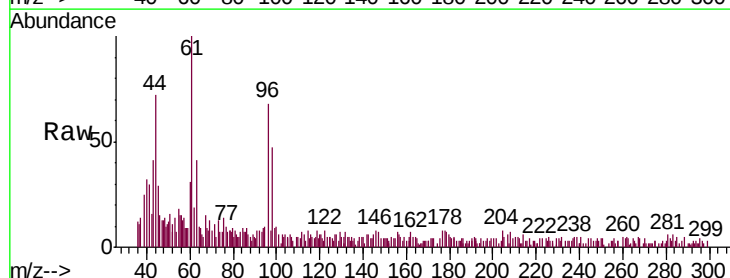
Tgt Ion: 96 Resp: 5610

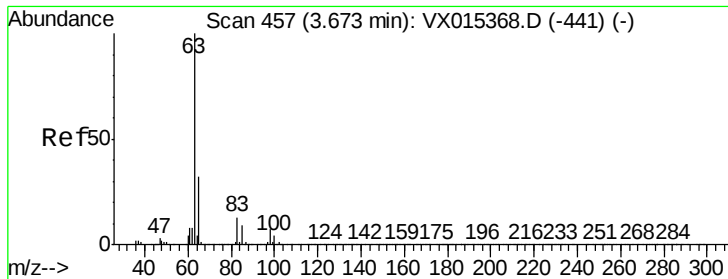
Ion Ratio Lower Upper

96 100

61 137.7 116.9 175.3

98 60.0 48.6 73.0





#24

1,1-Dichloroethane

Concen: 1.387 ug/l

RT: 3.68 min Scan# 458

Delta R.T. 0.01 min

Lab File: VX015603.D

Acq: 09 Apr 2020 17:52

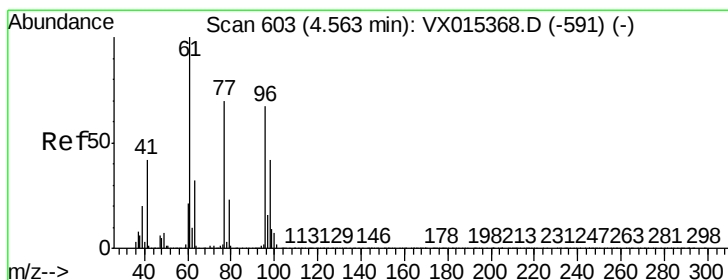
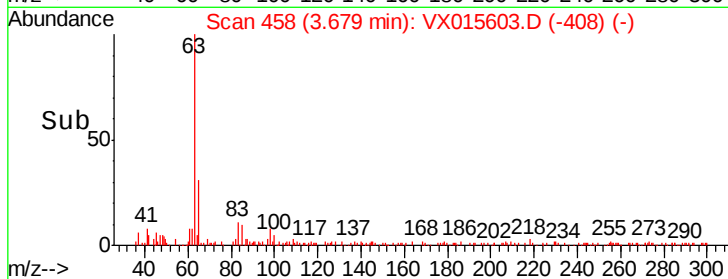
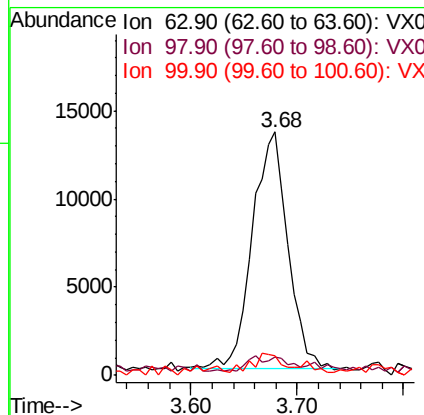
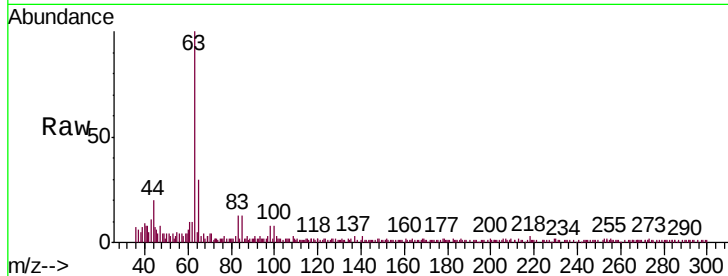
Instrument :

MSVOA_X

ClientSampleId :

SS037MW301-200406

Tgt Ion:	63	Resp:	31389
Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.3	9.8
100	6.1	2.1	6.5



#27

cis-1,2-Dichloroethene

Concen: 259.466 ug/l

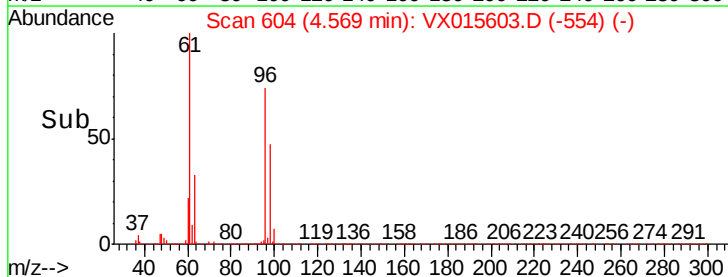
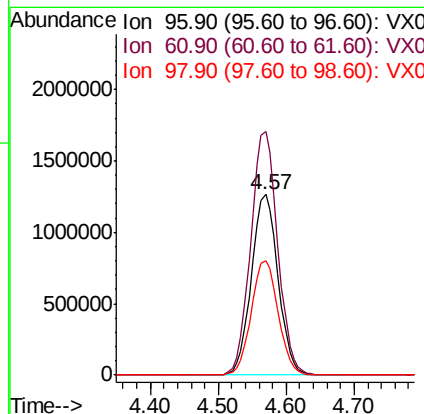
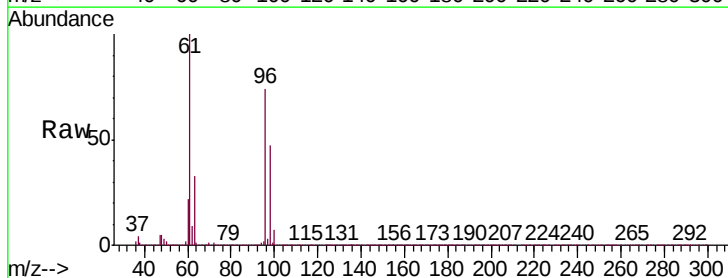
RT: 4.57 min Scan# 604

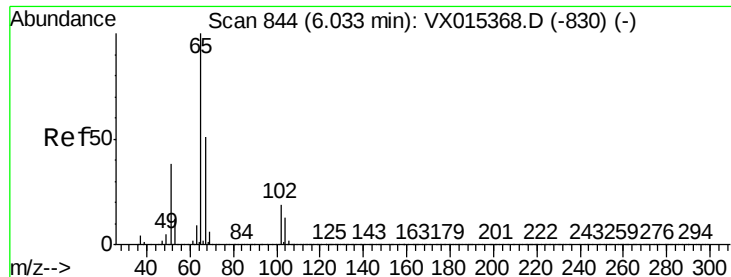
Delta R.T. 0.01 min

Lab File: VX015603.D

Acq: 09 Apr 2020 17:52

Tgt Ion:	96	Resp:	3459194
Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	308.4
98	64.2	0.0	129.2





#33

1,2-Dichloroethane-d4

Concen: 46.468 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015603.D

Acq: 09 Apr 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

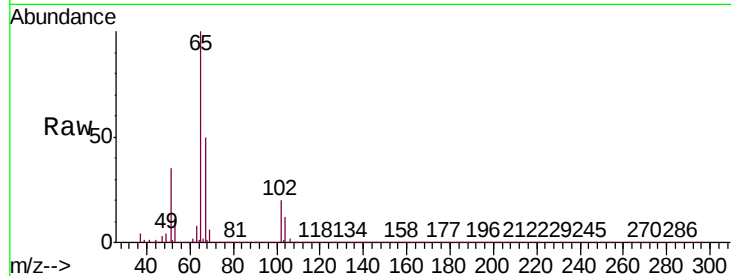
SS037MW301-200406

Tgt Ion: 65 Resp: 720784

Ion Ratio Lower Upper

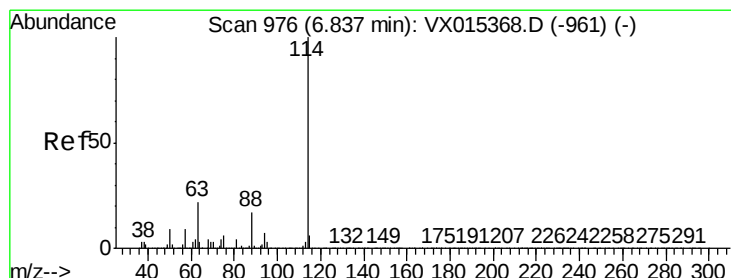
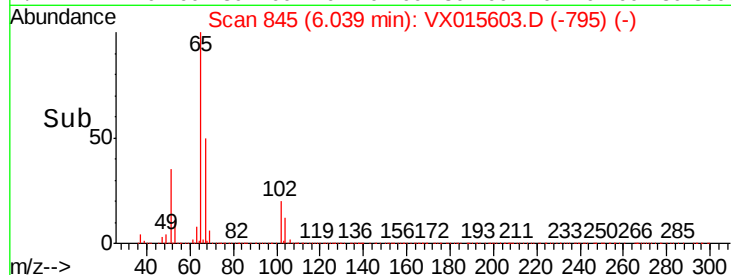
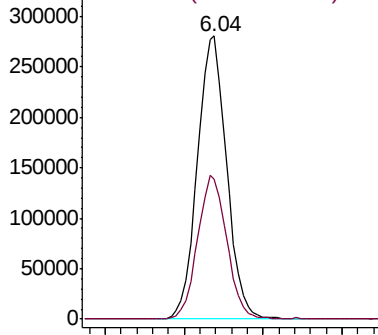
65 100

67 50.7 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: VX015603.D

Acq: 09 Apr 2020 17:52

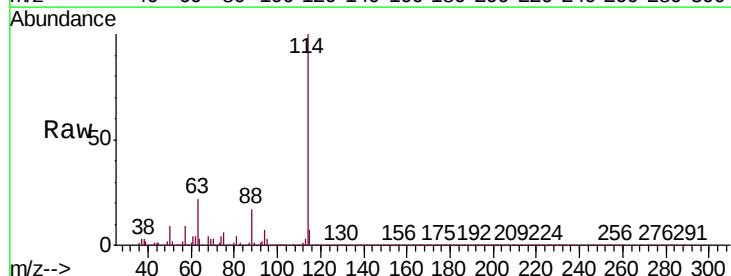
Tgt Ion: 114 Resp: 1743177

Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.2

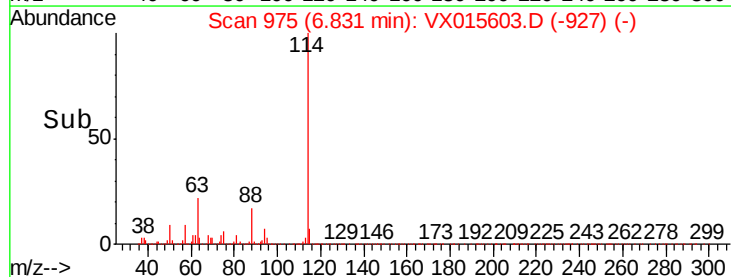
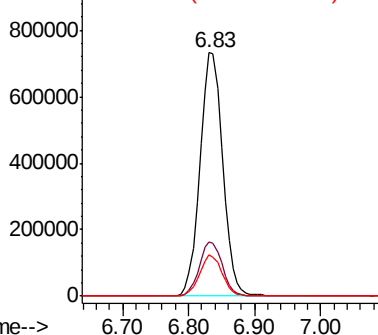
88 17.1 0.0 33.8

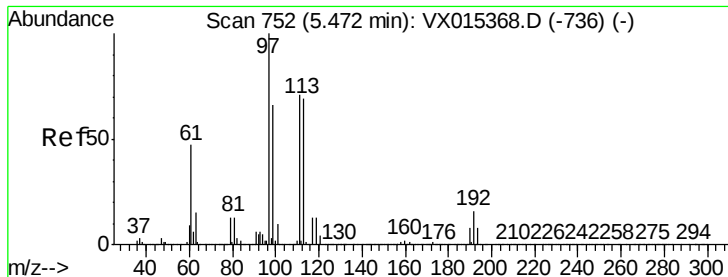


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

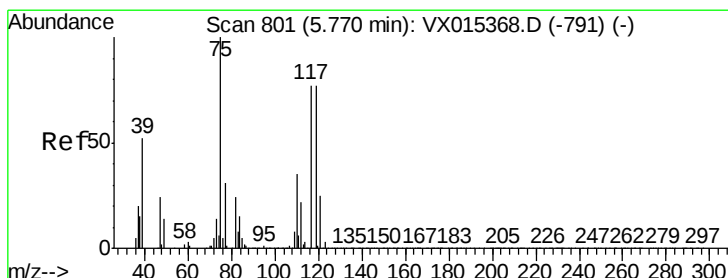
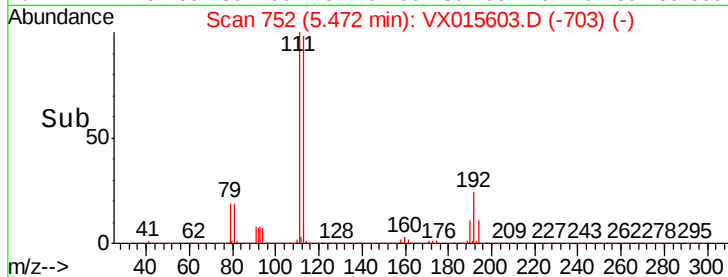
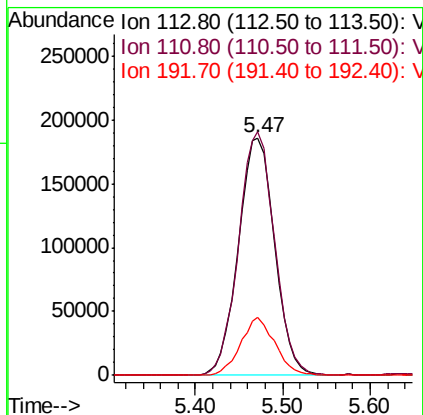
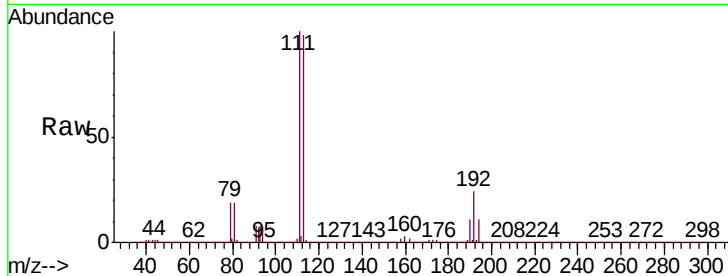




#35
 Dibromofluoromethane
 Concen: 48.273 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015603.D
 Acq: 09 Apr 2020 17:52

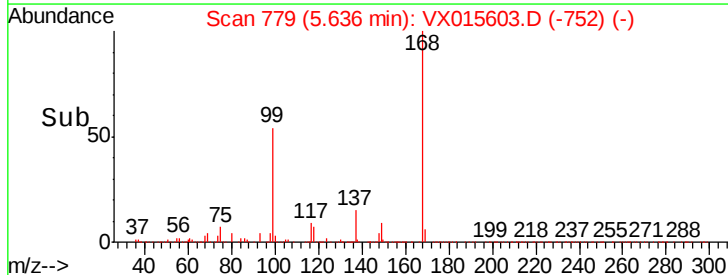
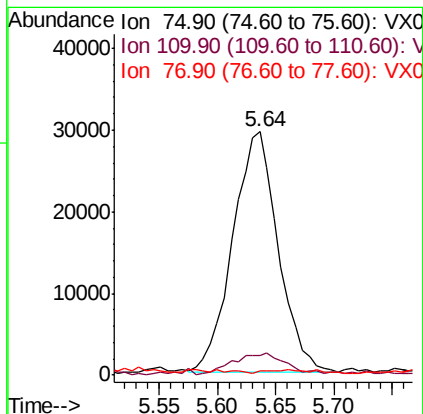
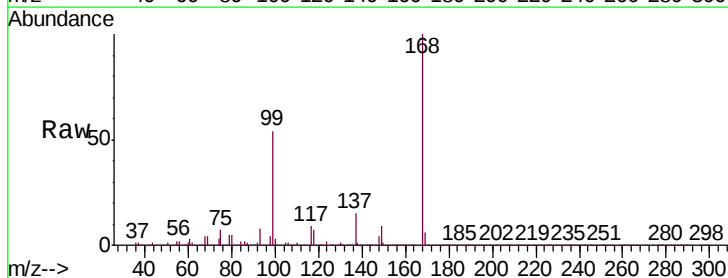
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW301-200406

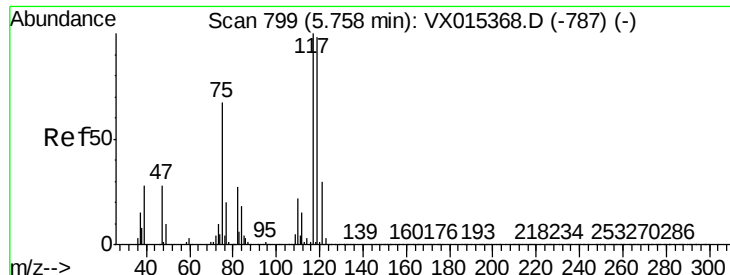
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.5	122.3
192	22.9	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.929 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015603.D
 Acq: 09 Apr 2020 17:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.0	17.1	51.3#
77	0.5	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.101 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015603.D

Acq: 09 Apr 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

SS037MW301-200406

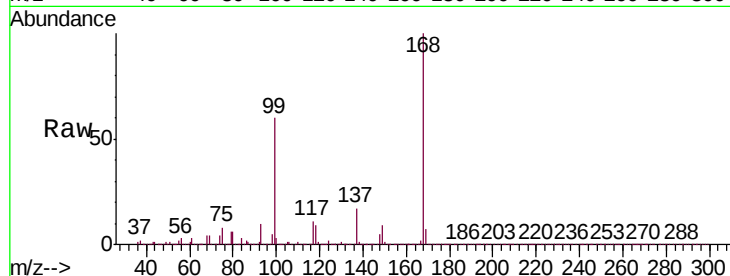
Tgt Ion:117 Resp: 106132

Ion Ratio Lower Upper

117 100

119 5.2 78.0 117.0#

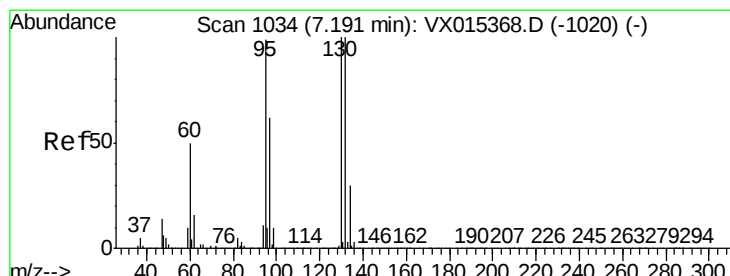
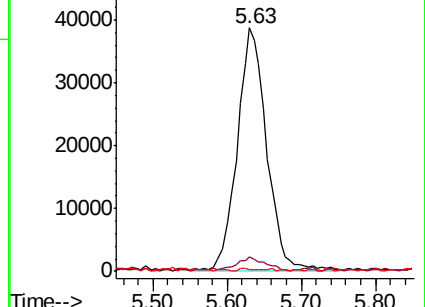
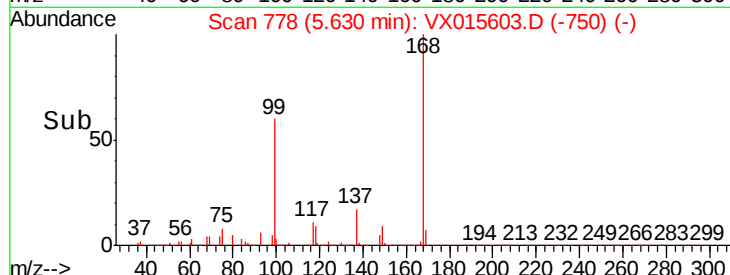
121 0.5 23.8 35.8#



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: 2.601 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX015603.D

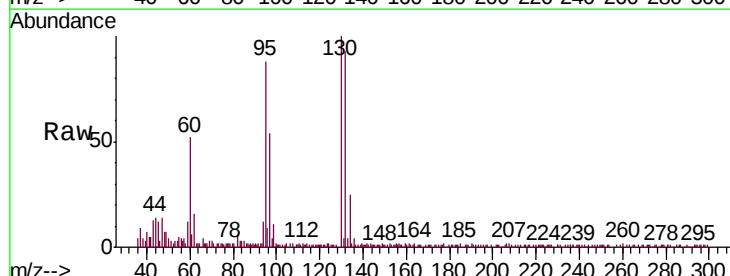
Acq: 09 Apr 2020 17:52

Tgt Ion:130 Resp: 33368

Ion Ratio Lower Upper

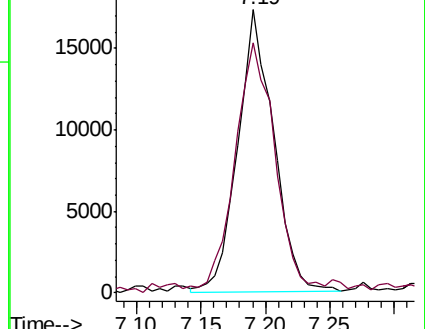
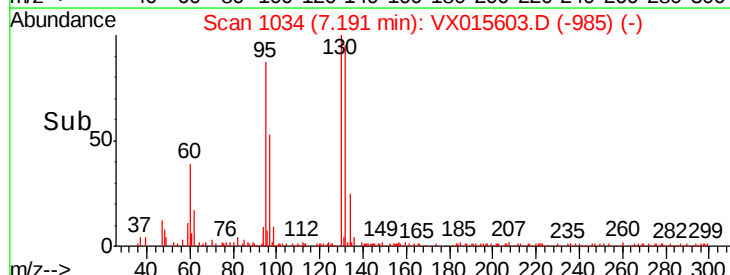
130 100

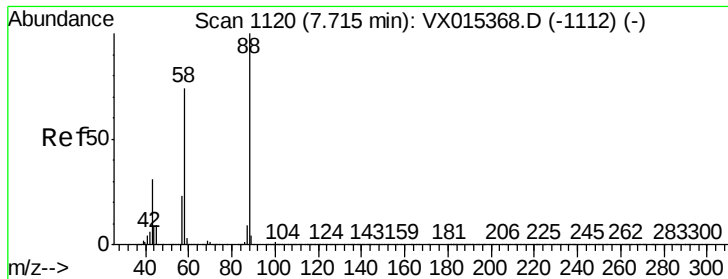
95 86.6 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 4.350 ug/l

RT: 7.81 min Scan# 1136

Delta R.T. 0.10 min

Lab File: VX015603.D

Acq: 09 Apr 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

SS037MW301-200406

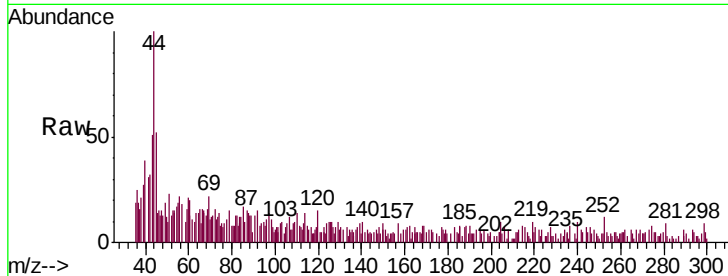
Tgt Ion: 88 Resp: 1431

Ion Ratio Lower Upper

88 100

43 40.0 30.1 45.1

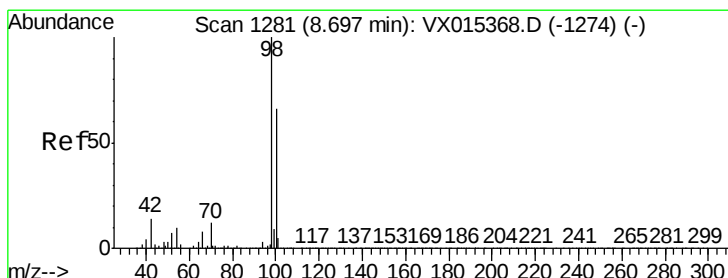
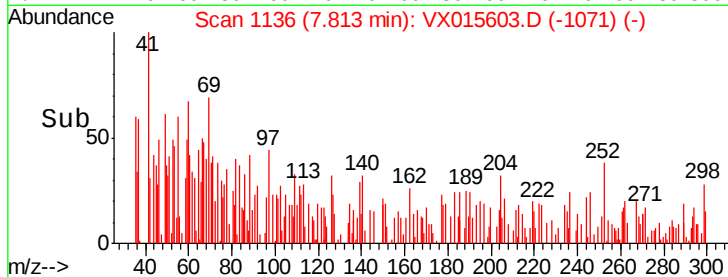
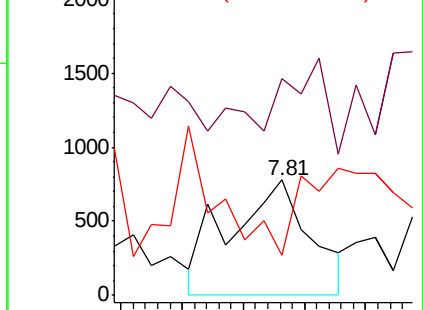
58 86.8 60.6 90.8



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



#50

Toluene-d8

Concen: 51.337 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015603.D

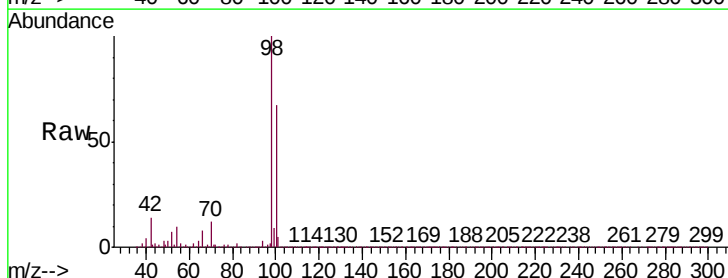
Acq: 09 Apr 2020 17:52

Tgt Ion: 98 Resp: 2106106

Ion Ratio Lower Upper

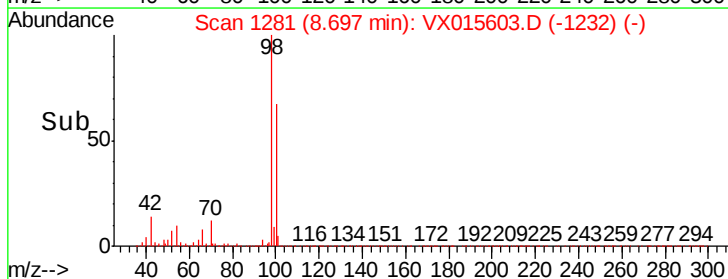
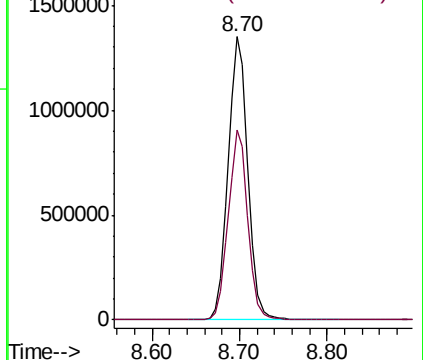
98 100

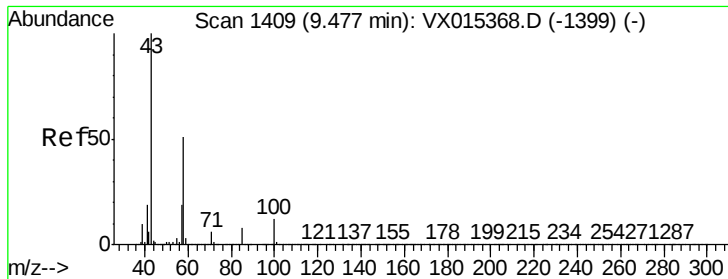
100 66.7 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

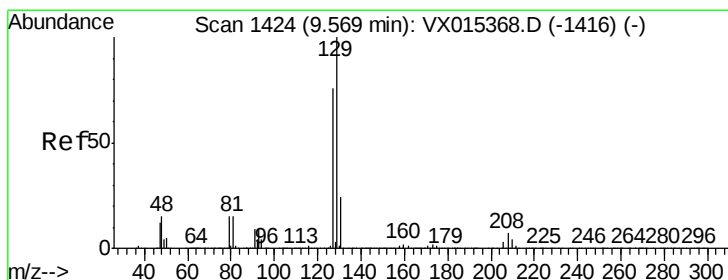
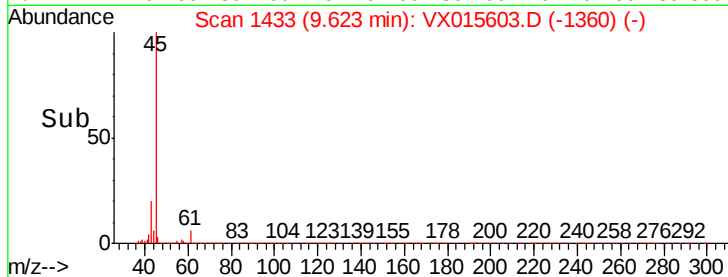
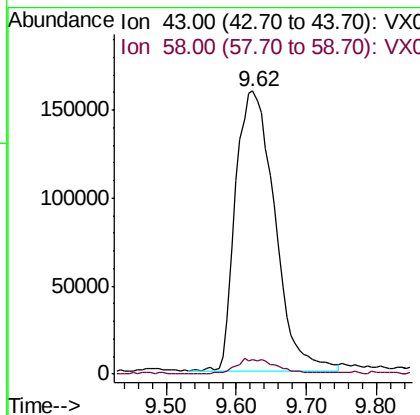
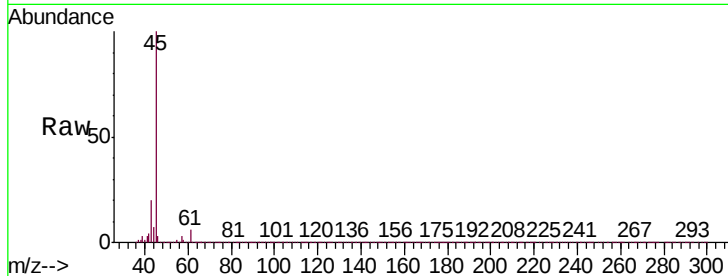




#59
2-Hexanone
Concen: 40.859 ug/l
RT: 9.62 min Scan# 1433
Delta R.T. 0.15 min
Lab File: VX015603.D
Acq: 09 Apr 2020 17:52

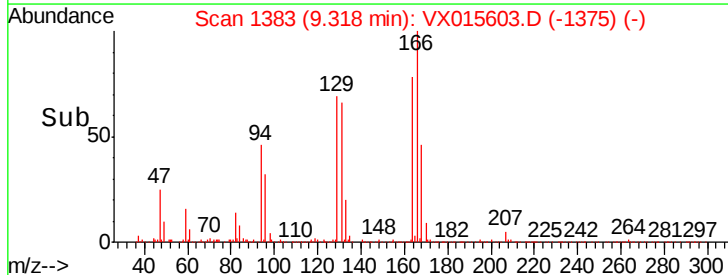
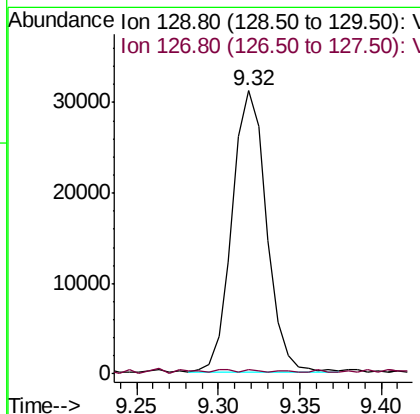
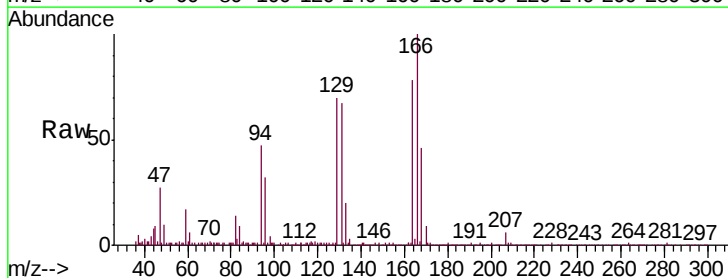
Instrument :
MSVOA_X
ClientSampleId :
SS037MW301-200406

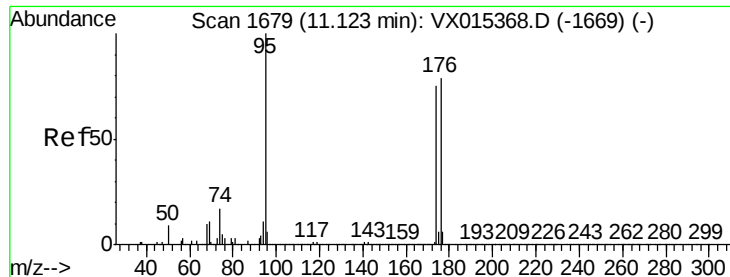
Tgt Ion: 43 Resp: 617173
Ion Ratio Lower Upper
43 100
58 5.0 25.6 76.6#



#60
Dibromochloromethane
Concen: 3.190 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.25 min
Lab File: VX015603.D
Acq: 09 Apr 2020 17:52

Tgt Ion: 129 Resp: 45554
Ion Ratio Lower Upper
129 100
127 0.4 38.2 114.6#





#62

4-Bromofluorobenzene

Concen: 55.582 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015603.D

Acq: 09 Apr 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

SS037MW301-200406

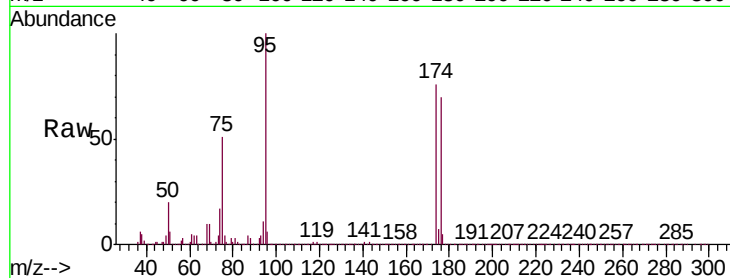
Tgt Ion: 95 Resp: 926705

Ion Ratio Lower Upper

95 100

174 79.9 0.0 158.6

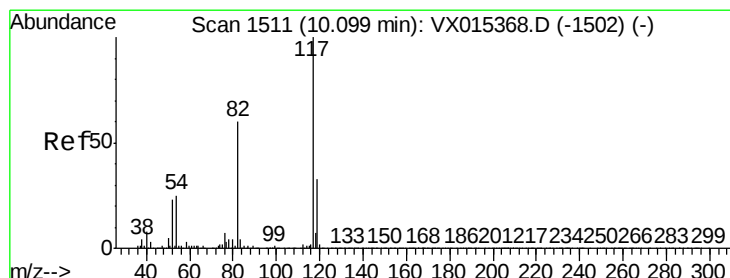
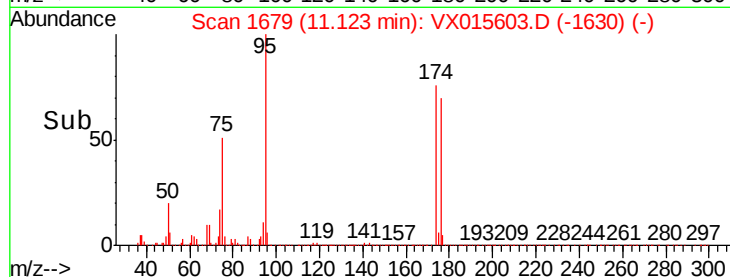
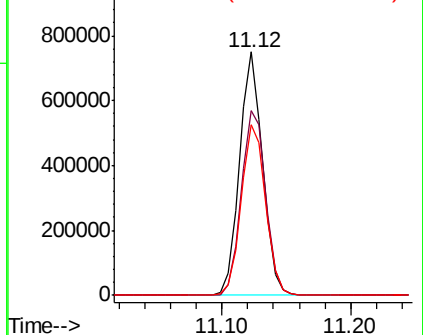
176 73.7 0.0 159.0



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: VX015603.D

Acq: 09 Apr 2020 17:52

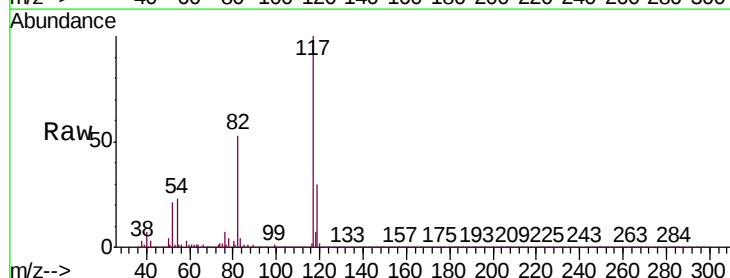
Tgt Ion: 117 Resp: 1702188

Ion Ratio Lower Upper

117 100

82 53.5 47.8 71.8

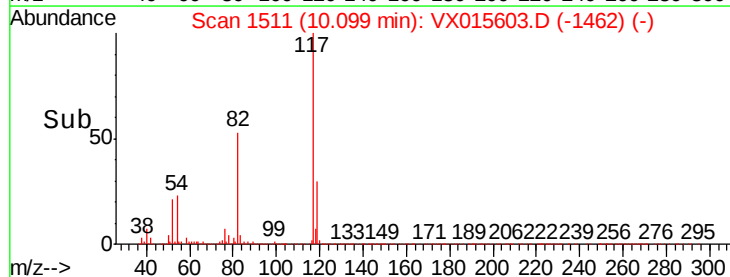
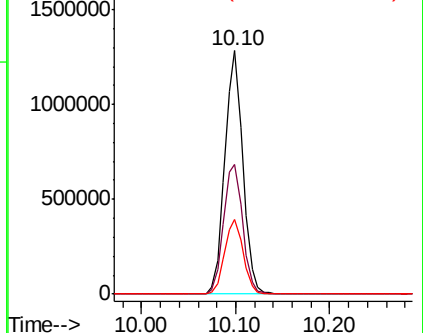
119 30.4 26.8 40.2

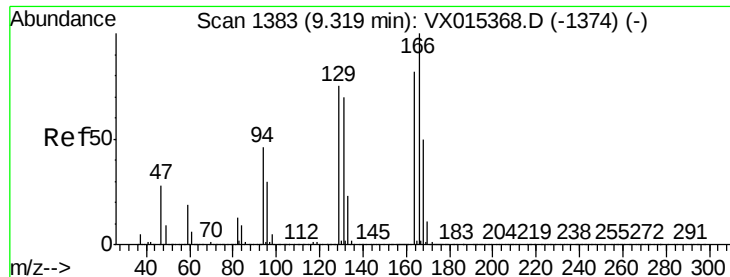


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 3.997 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VX015603.D

Acq: 09 Apr 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

SS037MW301-200406

Tgt Ion:164 Resp: 51347

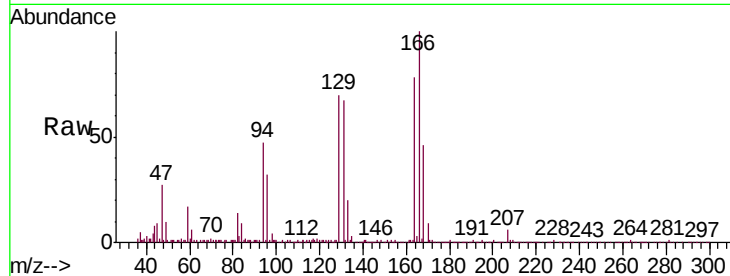
Ion Ratio Lower Upper

164 100

166 127.9 97.8 146.6

129 89.0 73.0 109.4

131 84.7 68.6 103.0

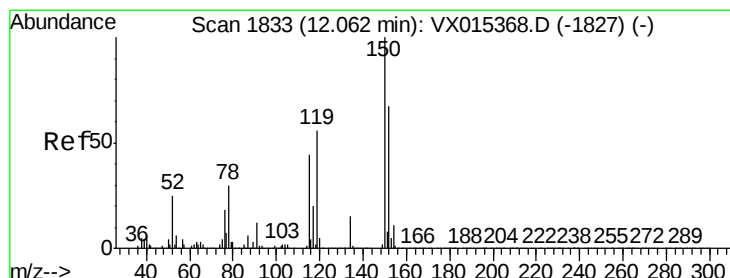
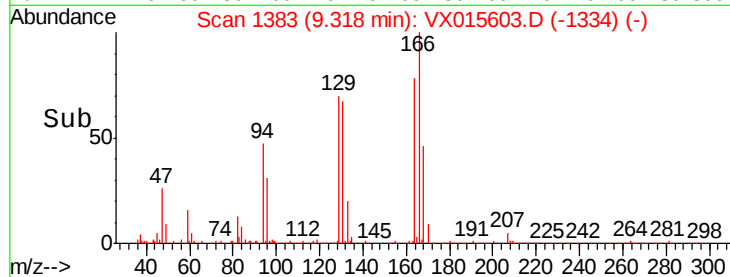
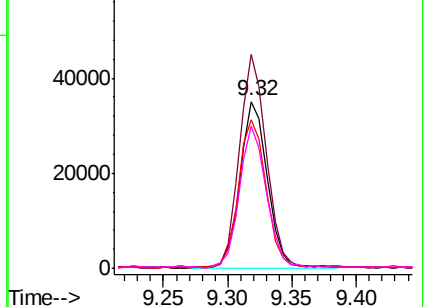


Abundance Ion 163.80 (163.50 to 164.50): V

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VX015603.D

Acq: 09 Apr 2020 17:52

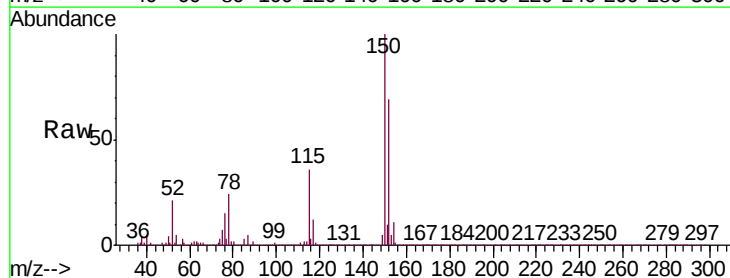
Tgt Ion:152 Resp: 936653

Ion Ratio Lower Upper

152 100

115 58.4 39.0 116.9

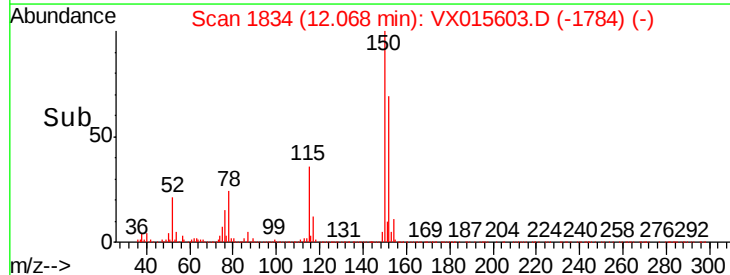
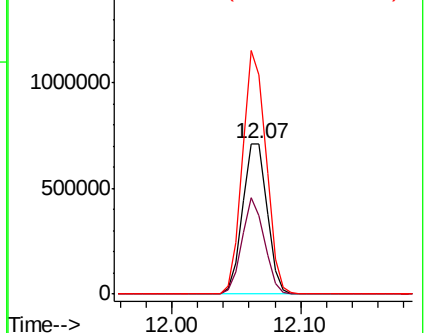
150 155.0 0.0 340.8

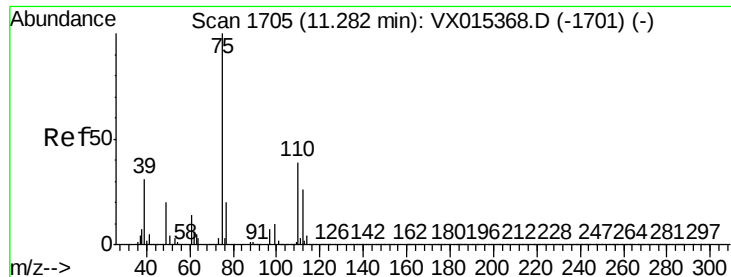


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.935 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015603.D

Acq: 09 Apr 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

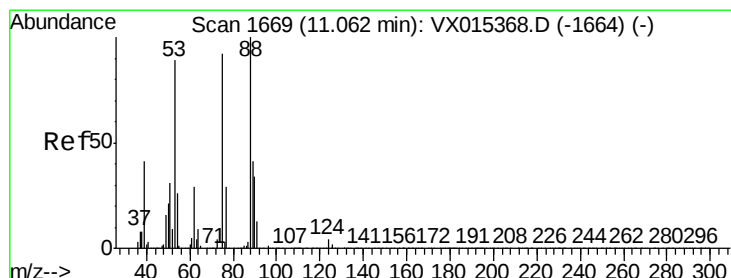
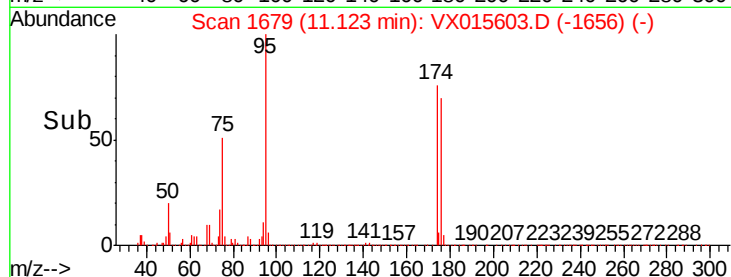
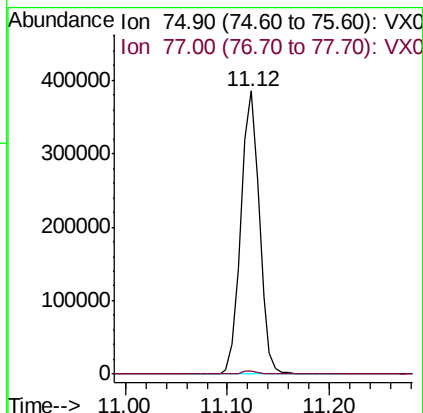
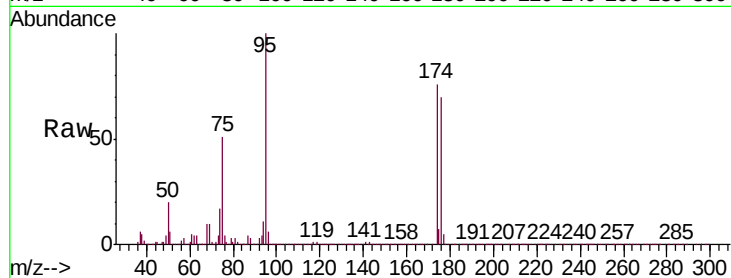
SS037MW301-200406

Tgt Ion: 75 Resp: 480291

Ion Ratio Lower Upper

75 100

77 0.9 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.831 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015603.D

Acq: 09 Apr 2020 17:52

Tgt Ion: 75 Resp: 480291

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.1 36.1 54.1#

