

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041620\
 Data File : VX015709.D
 Acq On : 16 Apr 2020 14:07
 Operator : JC/SP
 Sample : L2233-18DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW304-200408DL

Quant Time: Apr 17 06:47:11 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	1075937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1661673	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1602814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	854495	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	658927	43.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.84%	
35) Dibromofluoromethane	5.47	113	510060	48.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.04%	
50) Toluene-d8	8.70	98	1977627	50.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	11.12	95	829798	52.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.42%	

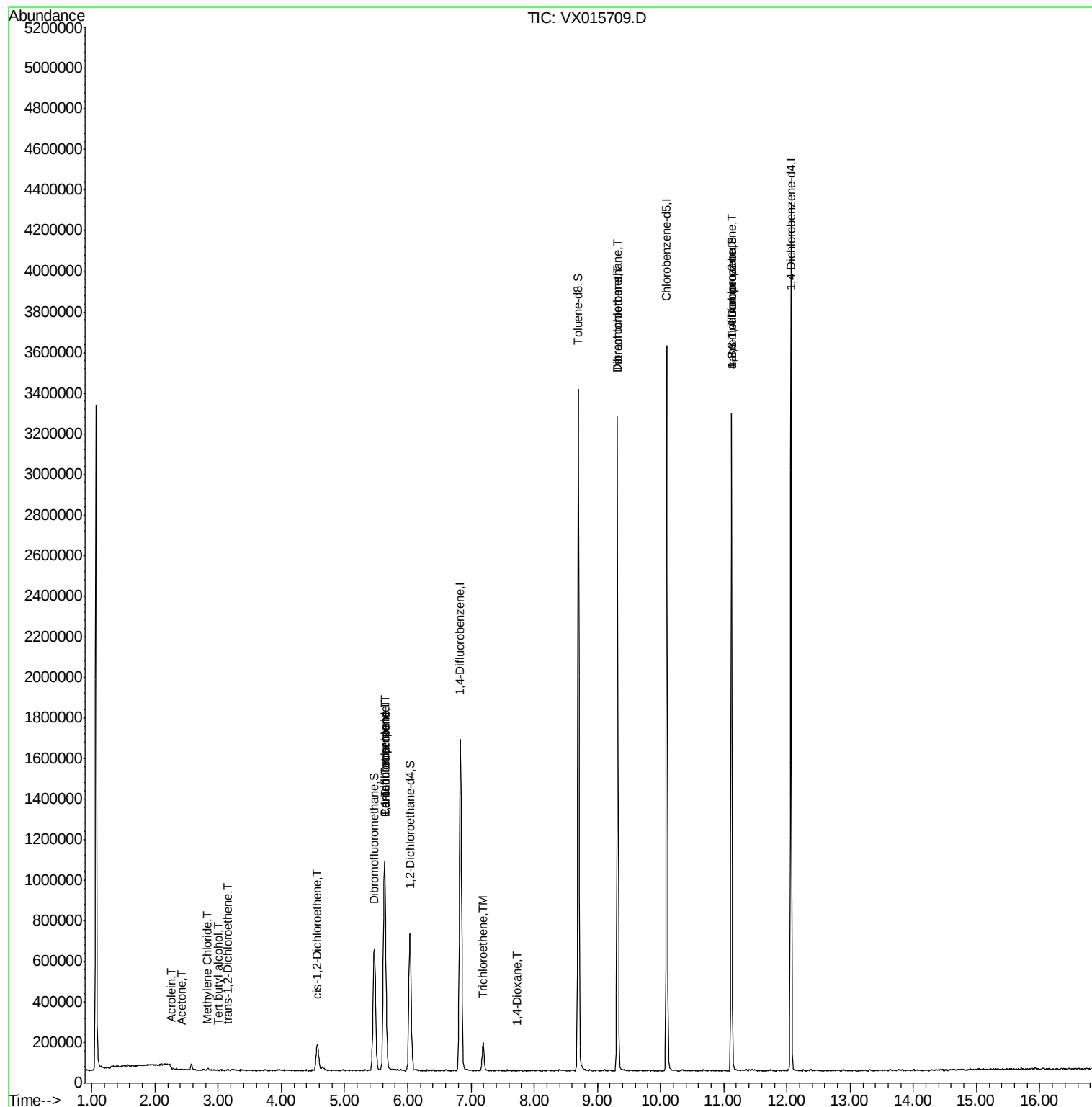
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	369	Below Cal	#	29
11) Tert butyl alcohol	3.00	59	1974	0.543	ug/l #	76
13) Acrolein	2.26	56	422	0.204	ug/l #	43
16) Acetone	2.42	43	2298	0.352	ug/l	94
20) Methylene Chloride	2.84	84	4113	0.338	ug/l #	88
21) trans-1,2-Dichloroethene	3.15	96	3539	0.314	ug/l #	47
27) cis-1,2-Dichloroethene	4.58	96	89627	6.872	ug/l	88
36) 1,1-Dichloropropene	5.64	75	73509	4.801	ug/l #	48
38) Carbon Tetrachloride	5.63	117	99711	6.013	ug/l #	13
44) Trichloroethene	7.19	130	53365	4.363	ug/l	100
49) 1,4-Dioxane	7.73	88	383	1.221	ug/l #	67
60) Dibromochloromethane	9.32	129	575690	42.291	ug/l #	11
64) Tetrachloroethene	9.32	164	620517	51.299	ug/l	97
76) 1,2,3-Trichloropropane	11.12	75	418800	23.833	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	418800	57.187	ug/l #	10

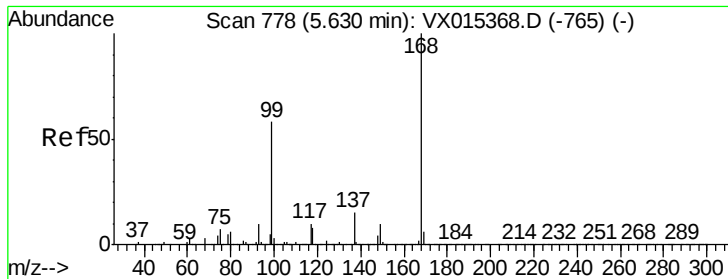
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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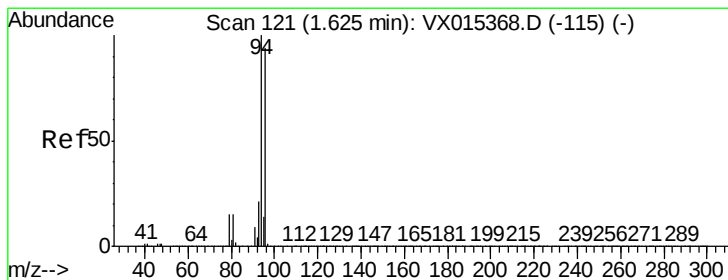
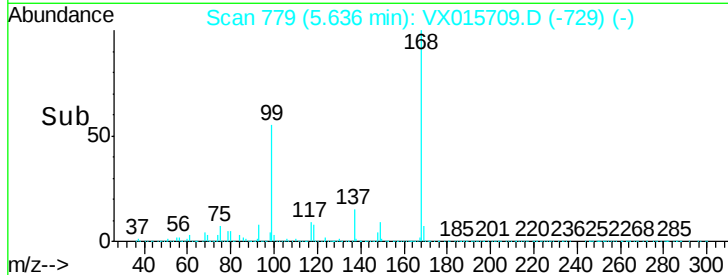
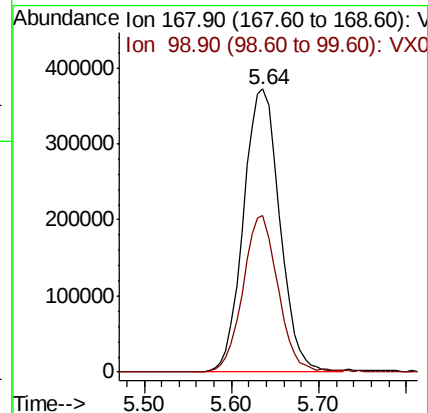
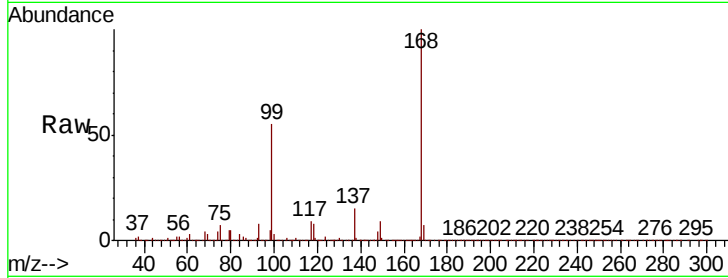


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. 0.01 min
 Lab File: VX015709.D
 Acq: 16 Apr 2020 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW304-200408DL

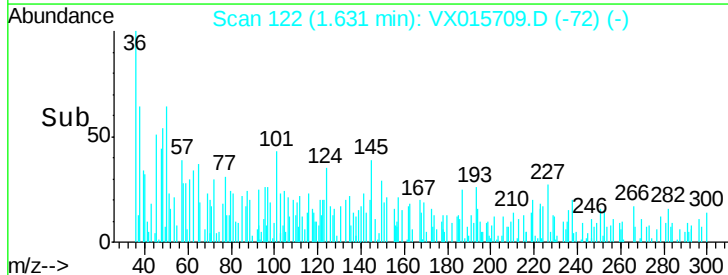
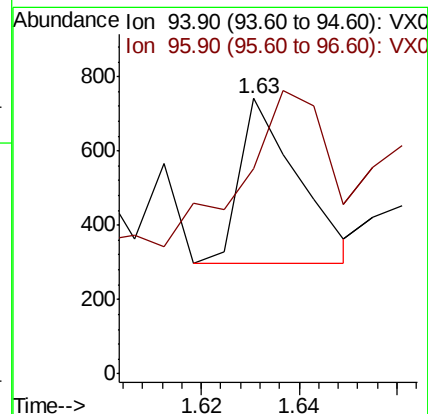
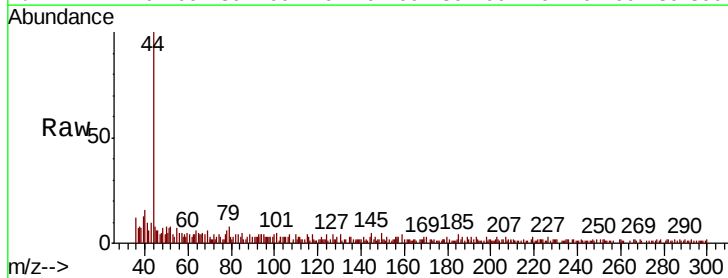
Tot Ion:168 Resp: 1075937
 Ion Ratio Lower Upper
 168 100
 99 55.1 46.4 69.6

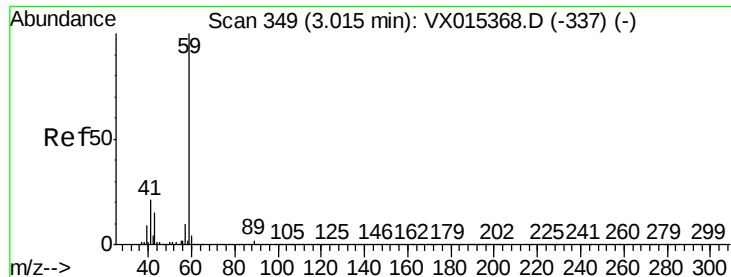


#5

Bromomethane
 Concen: Below Cal
 RT: 1.63 min Scan# 122
 Delta R.T. 0.01 min
 Lab File: VX015709.D
 Acq: 16 Apr 2020 14:07

Tgt Ion: 94 Resp: 369
 Ion Ratio Lower Upper
 94 100
 96 25.2 74.8 112.2#



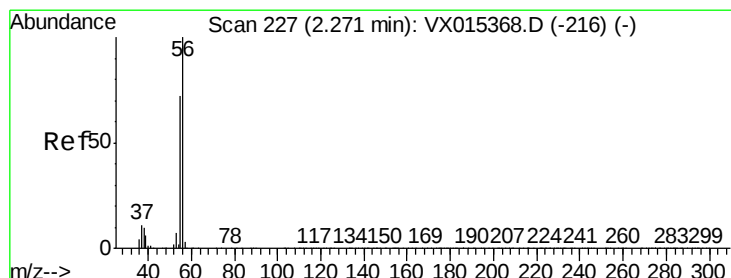
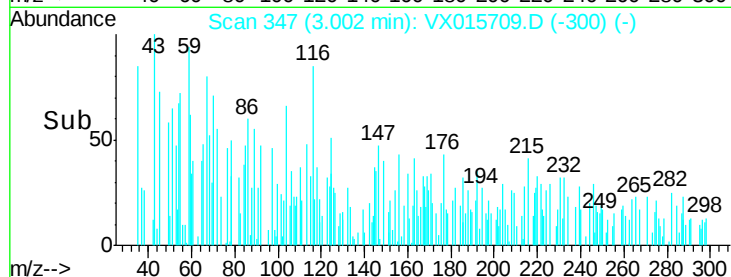
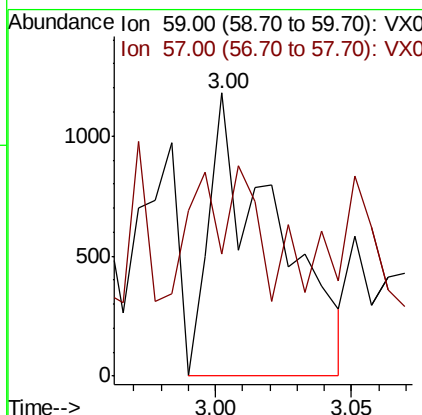
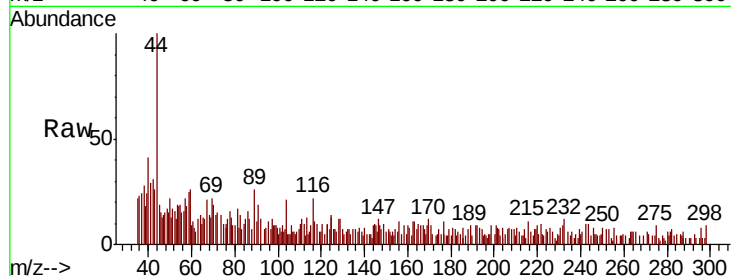


#11

Tert butyl alcohol
Concen: 0.543 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.01 min
Lab File: VX015709.D
Acq: 16 Apr 2020 14:07

Instrument :
MSVOA_X
ClientSampleId :
SS037MW304-200408DL

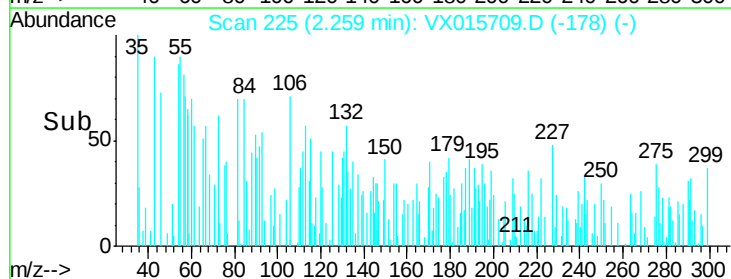
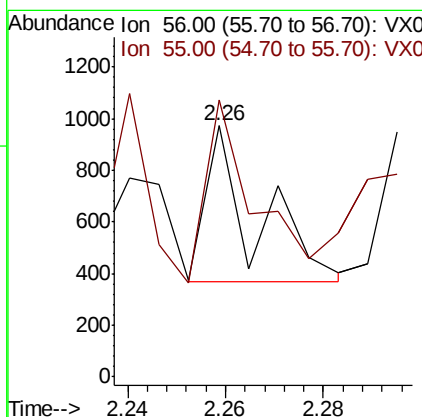
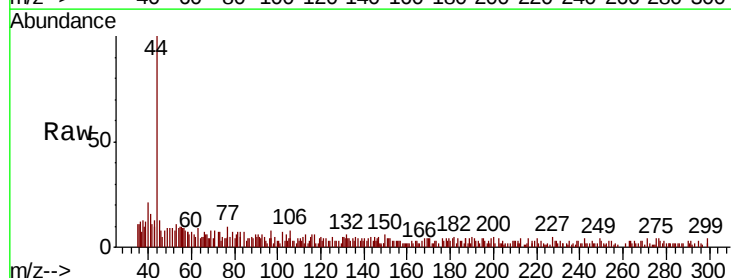
Tot Ion: 59 Resp: 1974
Ion Ratio Lower Upper
59 100
57 18.9 8.1 12.1#

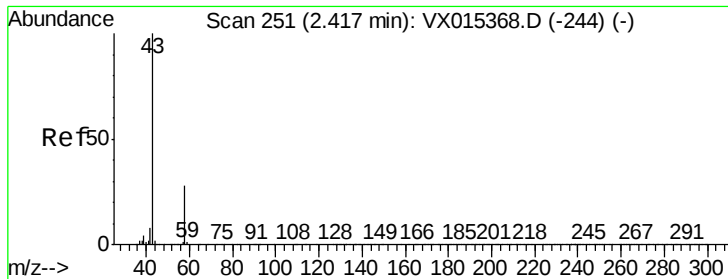


#13

Acrolein
Concen: 0.204 ug/l
RT: 2.26 min Scan# 225
Delta R.T. -0.01 min
Lab File: VX015709.D
Acq: 16 Apr 2020 14:07

Tgt Ion: 56 Resp: 422
Ion Ratio Lower Upper
56 100
55 118.0 57.0 85.4#

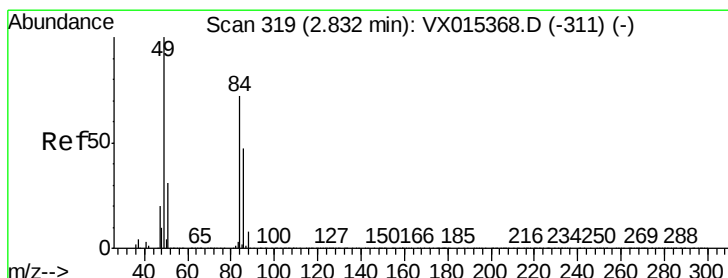
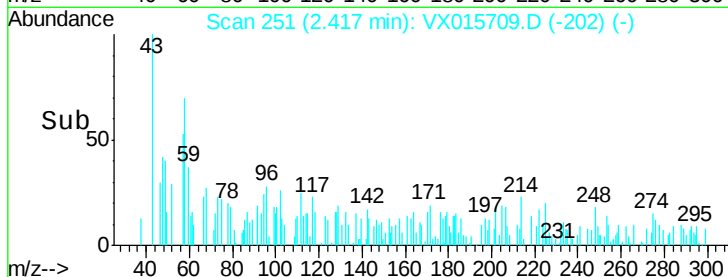
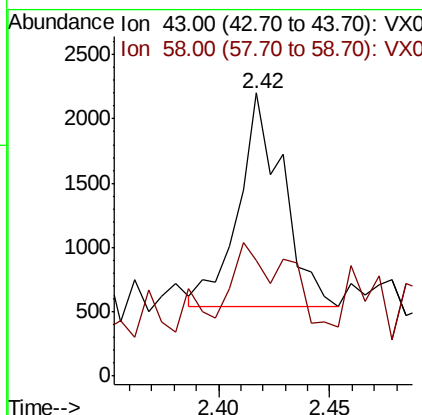
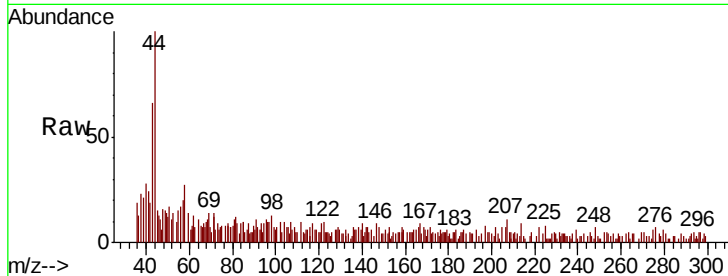




#16
Acetone
Concen: 0.352 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015709.D
Acq: 16 Apr 2020 14:07

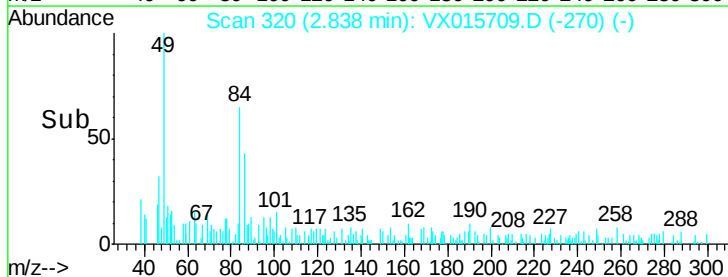
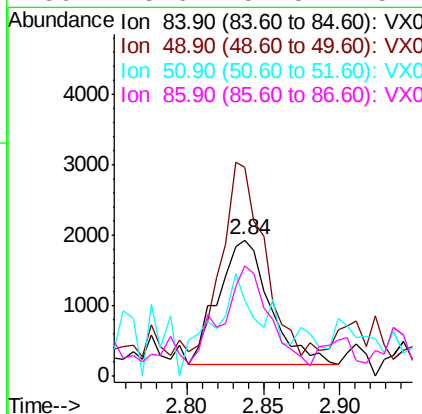
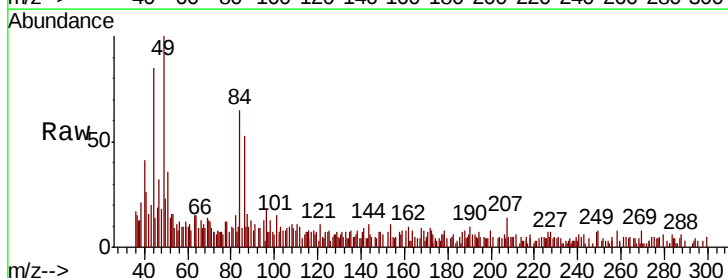
Instrument :
MSVOA_X
ClientSampleID :
SS037MW304-200408DL

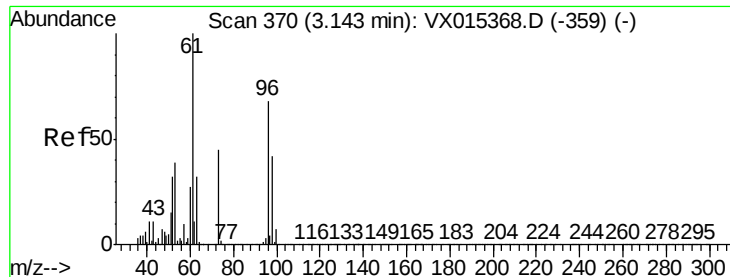
Tot Ion: 43 Resp: 2298
Ion Ratio Lower Upper
43 100
58 31.0 22.1 33.1



#20
Methylene Chloride
Concen: 0.338 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015709.D
Acq: 16 Apr 2020 14:07

Tgt Ion: 84 Resp: 4113
Ion Ratio Lower Upper
84 100
49 149.7 111.3 166.9
51 32.0 34.0 51.0#
86 78.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 0.314 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.01 min

Lab File: VX015709.D

Acq: 16 Apr 2020 14:07

Instrument :

MSVOA_X

ClientSampleId :

SS037MW304-200408DL

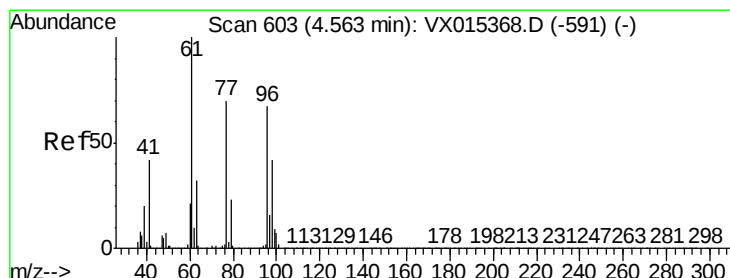
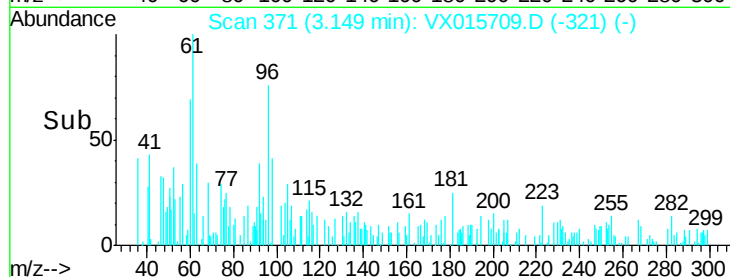
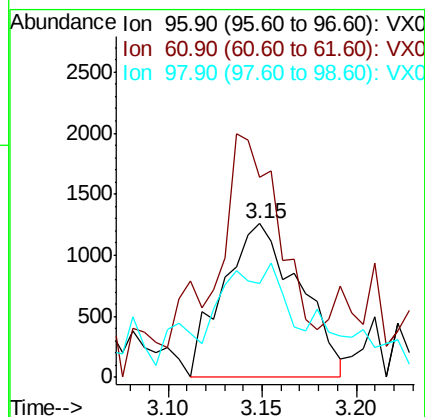
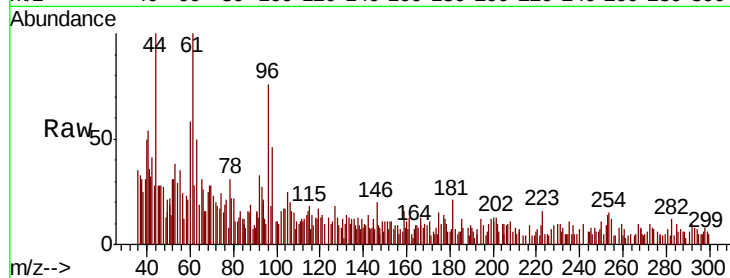
Tot Ion: 96 Resp: 3539

Ion Ratio Lower Upper

96 100

61 71.1 116.9 175.3#

98 33.9 48.6 73.0#



#27

cis-1,2-Dichloroethene

Concen: 6.872 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX015709.D

Acq: 16 Apr 2020 14:07

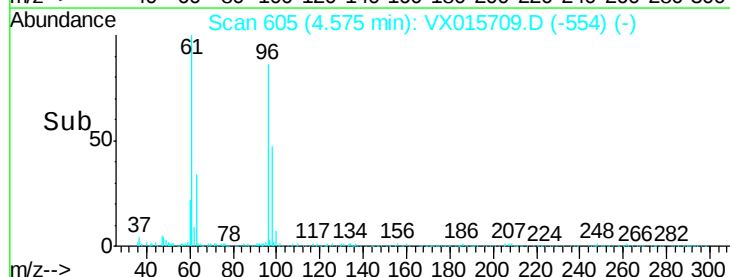
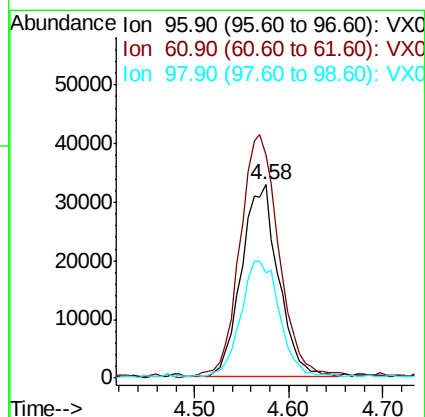
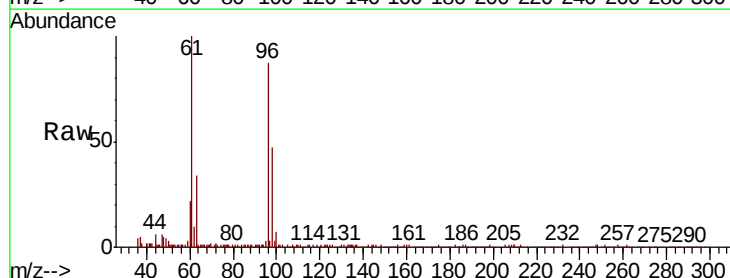
Tgt Ion: 96 Resp: 89627

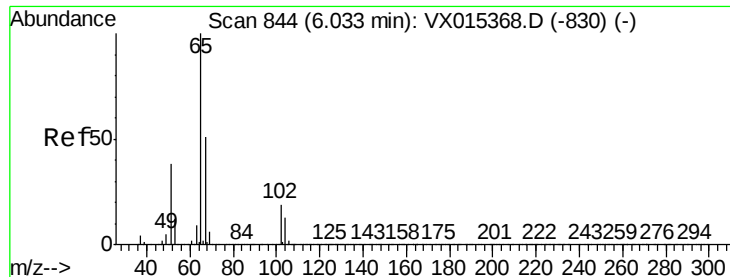
Ion Ratio Lower Upper

96 100

61 133.3 0.0 308.4

98 62.6 0.0 129.2





#33

1,2-Dichloroethane-d4

Concen: 43.422 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015709.D

Acq: 16 Apr 2020 14:07

Instrument :

MSVOA_X

ClientSampleId :

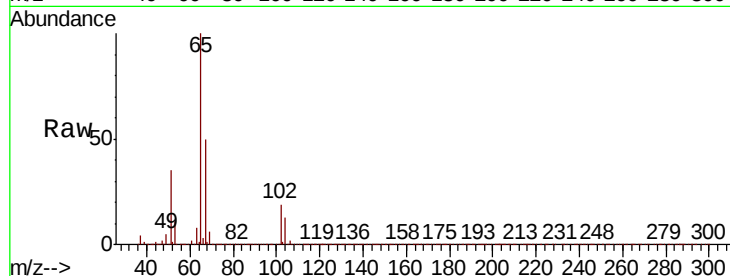
SS037MW304-200408DL

Tot Ion: 65 Resp: 658927

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

250000

200000

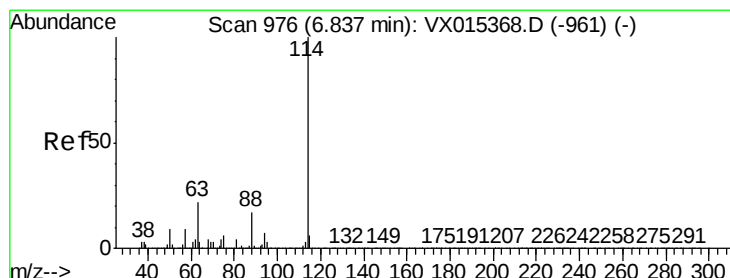
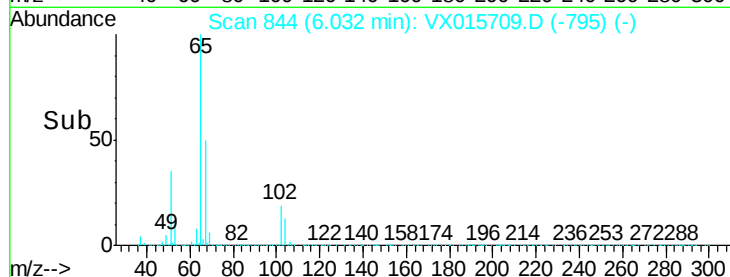
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015709.D

Acq: 16 Apr 2020 14:07

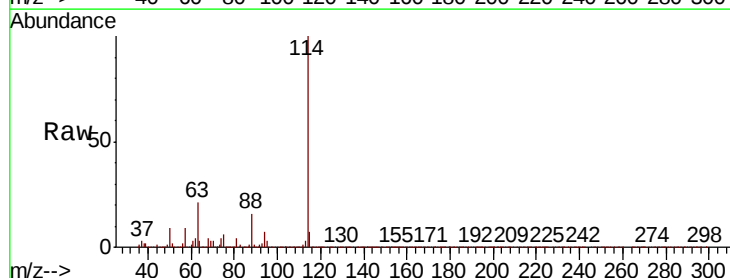
Tgt Ion: 114 Resp: 1661673

Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.2

88 15.8 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

6.83

800000

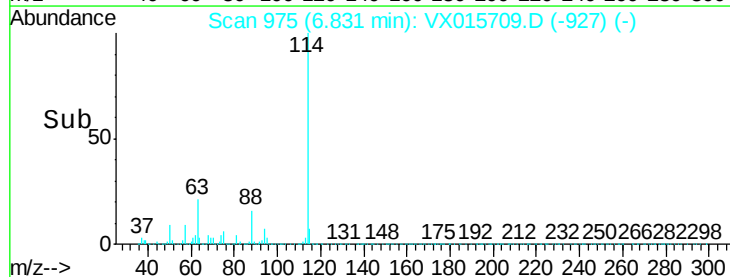
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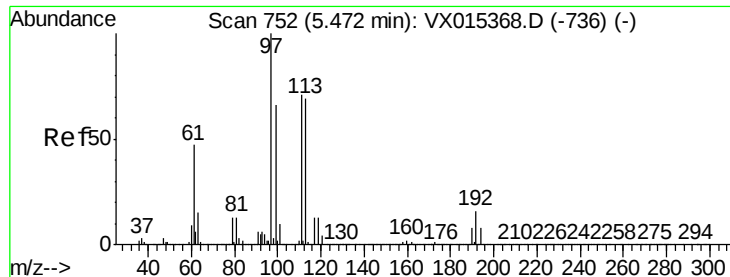
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200000

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Time-->

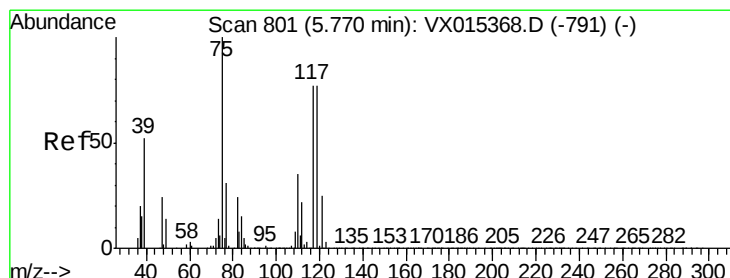
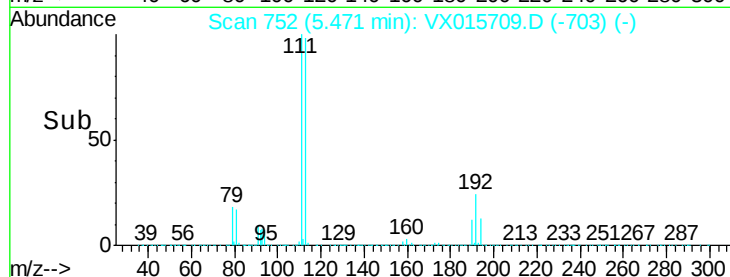
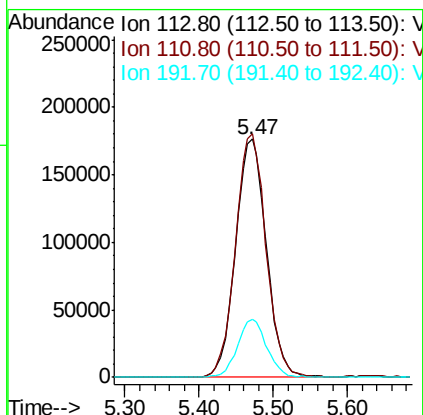
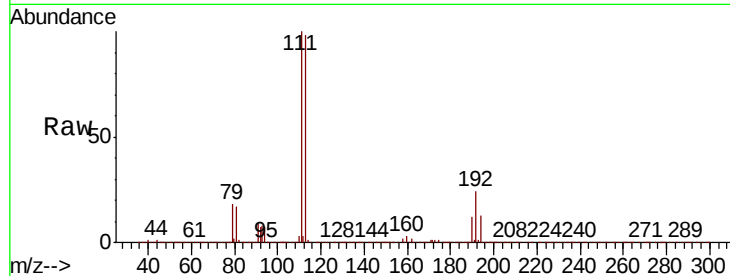




#35
Dibromofluoromethane
Concen: 48.020 ug/l
RT: 5.47 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX015709.D
Acq: 16 Apr 2020 14:07

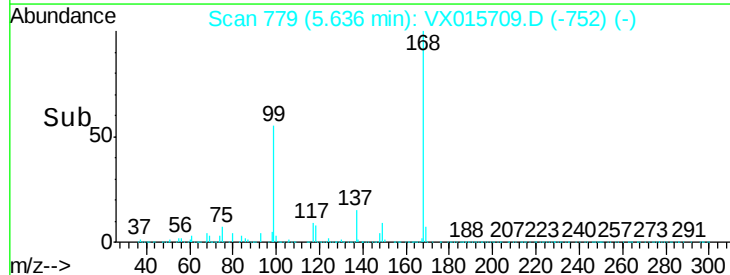
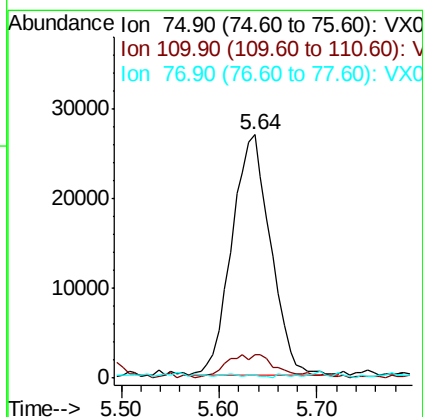
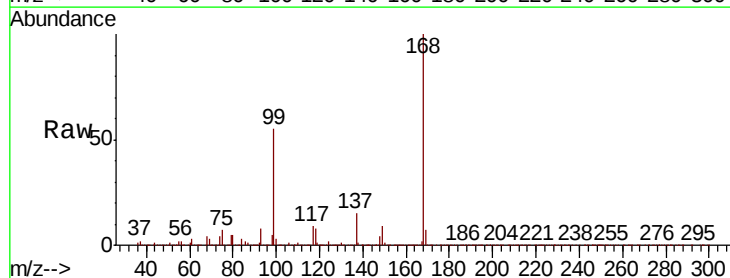
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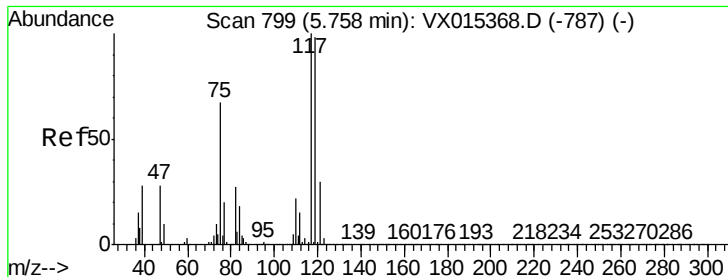
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.5	122.3
192	23.2	17.8	26.6



#36
1,1-Dichloropropene
Concen: 4.801 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.13 min
Lab File: VX015709.D
Acq: 16 Apr 2020 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.3	17.1	51.3#
77	0.0	24.6	36.8#

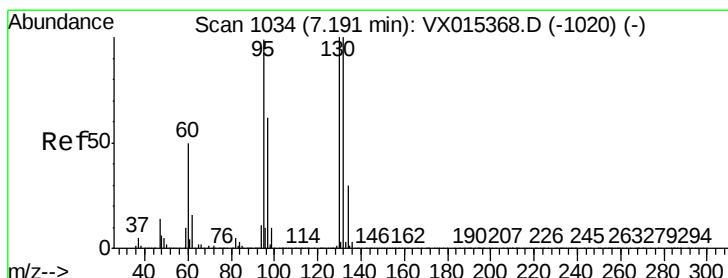
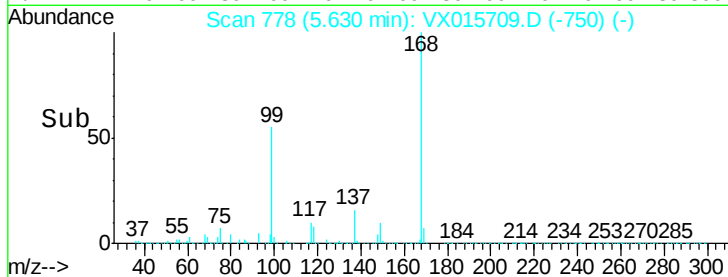
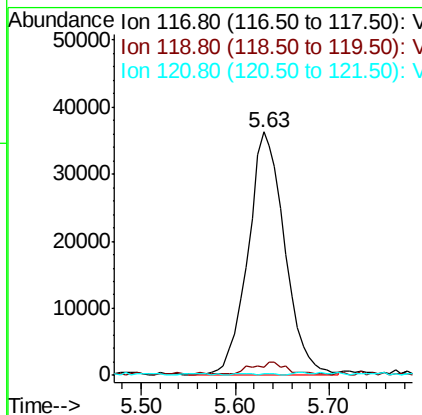
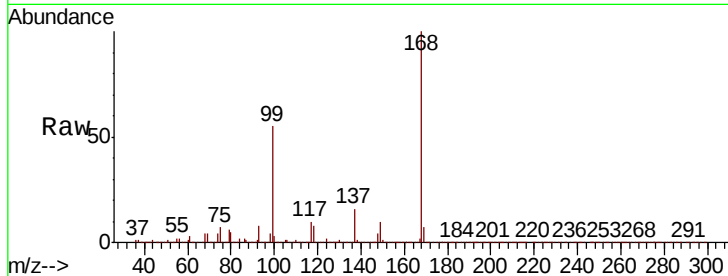




#38
Carbon Tetrachloride
Concen: 6.013 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.13 min
Lab File: VX015709.D
Acq: 16 Apr 2020 14:07

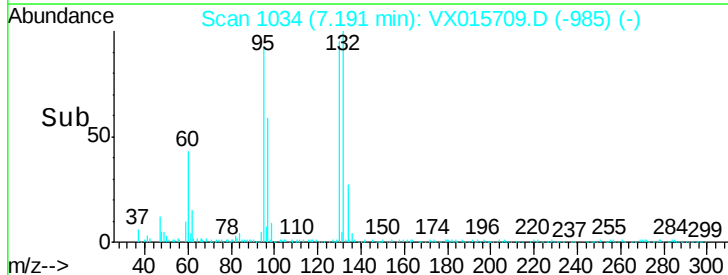
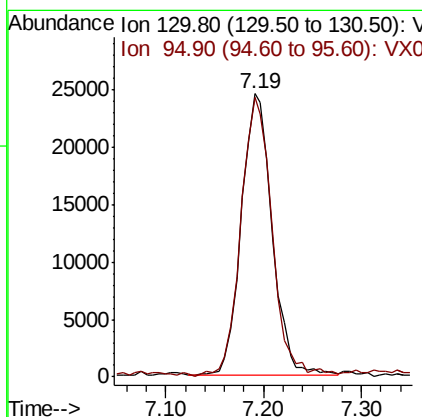
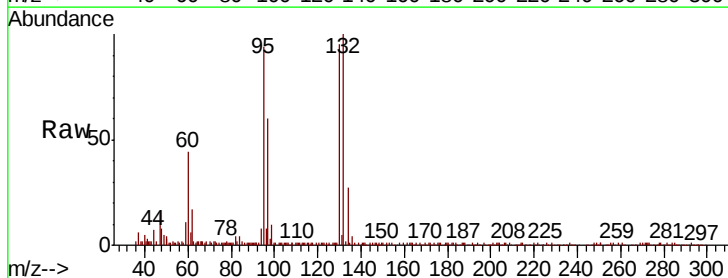
Instrument :
MSVOA_X
ClientSampleId :
SS037MW304-200408DL

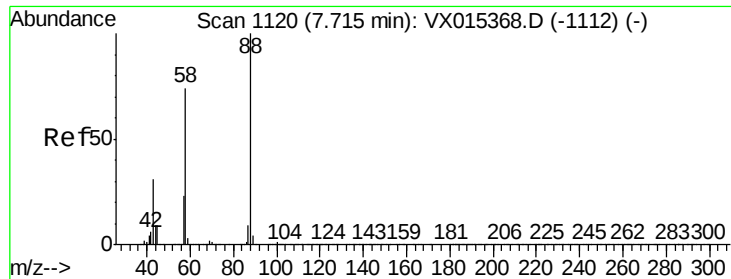
Tot Ion	Ratio	Lower	Upper
117	100		
119	2.6	78.0	117.0#
121	0.0	23.8	35.8#



#44
Trichloroethene
Concen: 4.363 ug/l
RT: 7.19 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX015709.D
Acq: 16 Apr 2020 14:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	199.0





#49

1,4-Dioxane

Concen: 1.221 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VX015709.D

Acq: 16 Apr 2020 14:07

Instrument :

MSVOA_X

ClientSampleId :

SS037MW304-200408DL

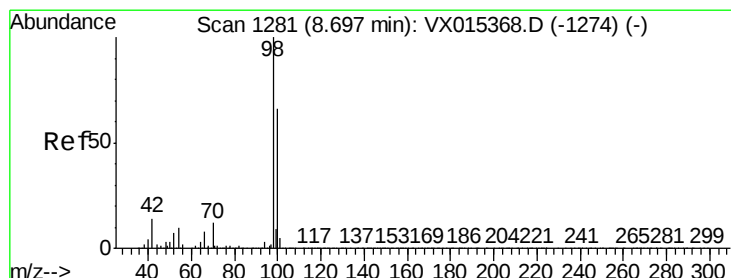
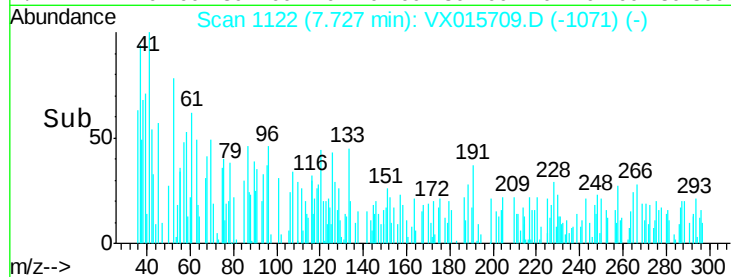
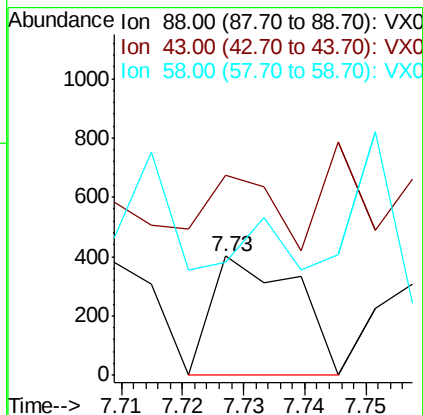
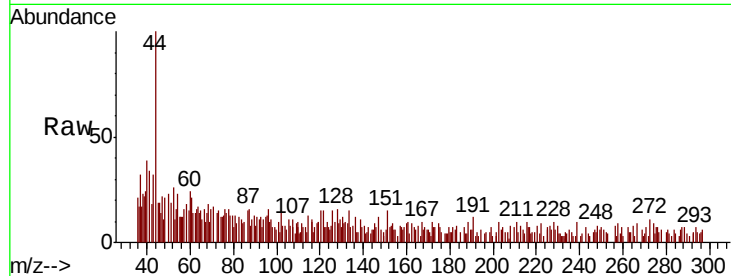
Tot Ion: 88 Resp: 383

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 91.6 60.6 90.8#



#50

Toluene-d8

Concen: 50.570 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015709.D

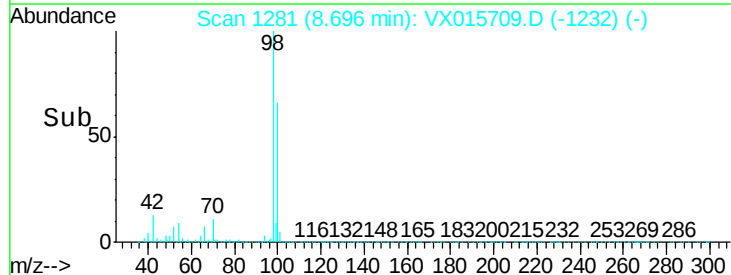
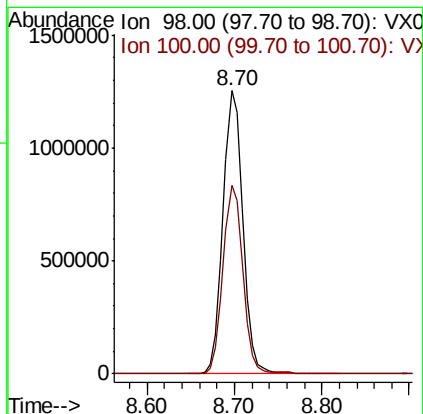
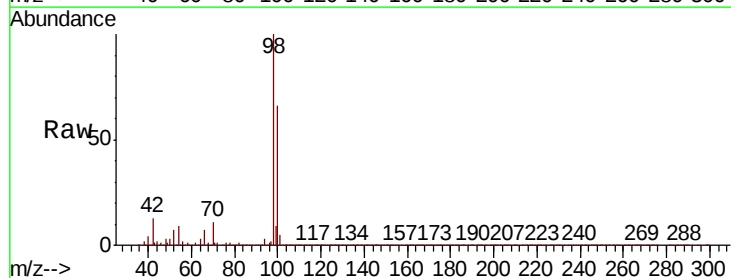
Acq: 16 Apr 2020 14:07

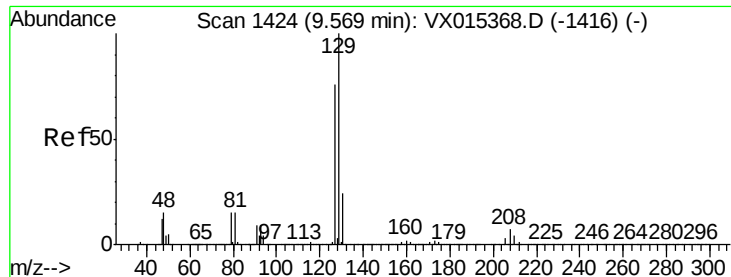
Tgt Ion: 98 Resp: 1977627

Ion Ratio Lower Upper

98 100

100 66.8 53.5 80.3

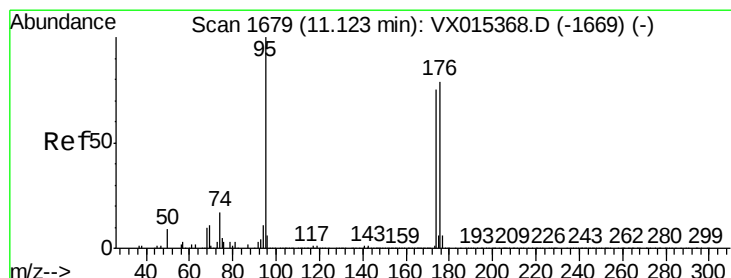
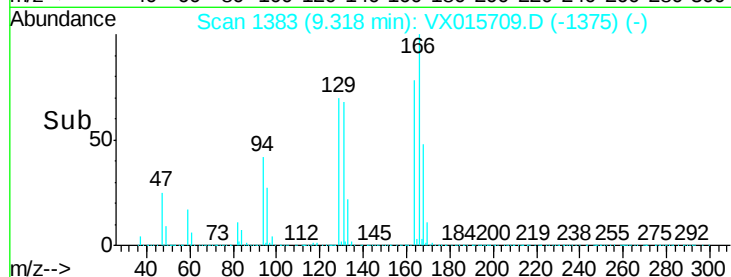
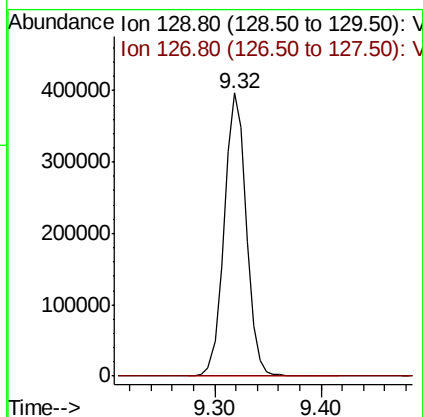
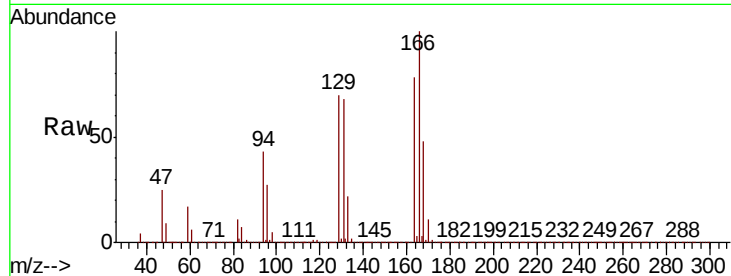




#60
 Dibromochloromethane
 Concen: 42.291 ug/l
 RT: 9.32 min Scan# 1383
 Delta R.T. -0.25 min
 Lab File: VX015709.D
 Acq: 16 Apr 2020 14:07

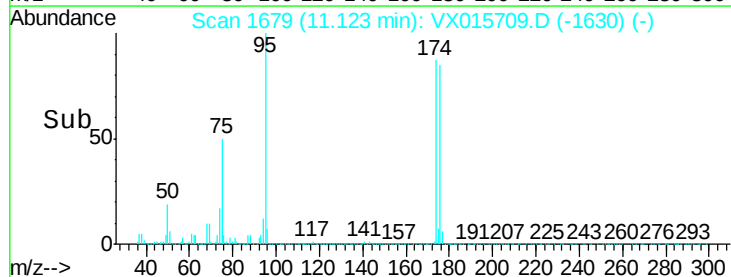
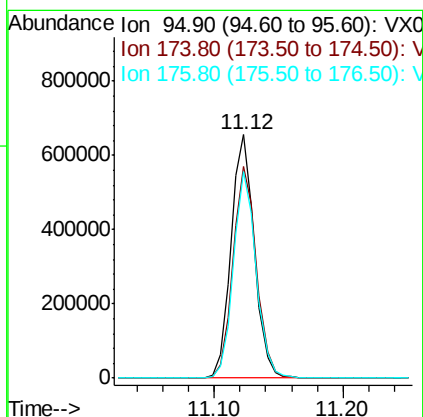
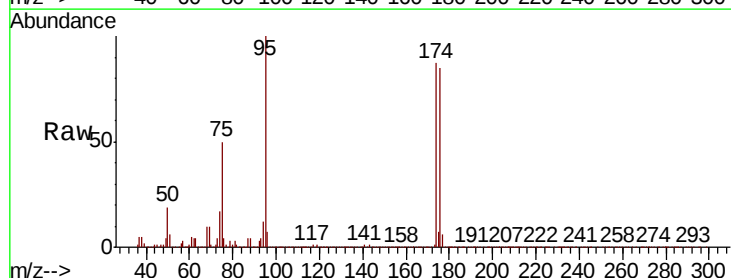
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW304-200408DL

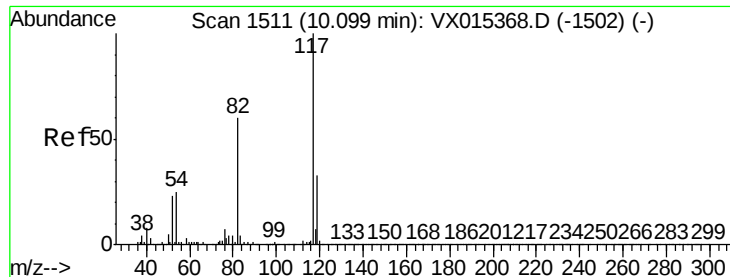
Tot Ion:129 Resp: 575690
 Ion Ratio Lower Upper
 129 100
 127 0.1 38.2 114.6#



#62
 4-Bromofluorobenzene
 Concen: 52.211 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.00 min
 Lab File: VX015709.D
 Acq: 16 Apr 2020 14:07

Tgt Ion: 95 Resp: 829798
 Ion Ratio Lower Upper
 95 100
 174 87.2 0.0 158.6
 176 82.7 0.0 159.0

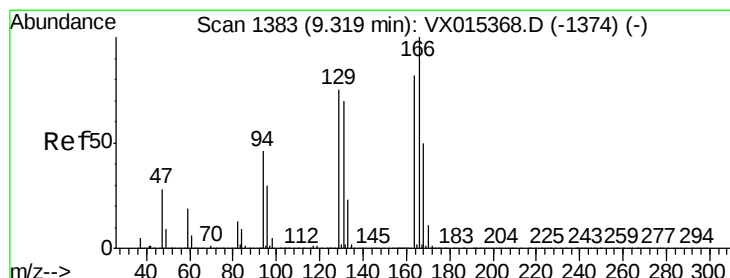
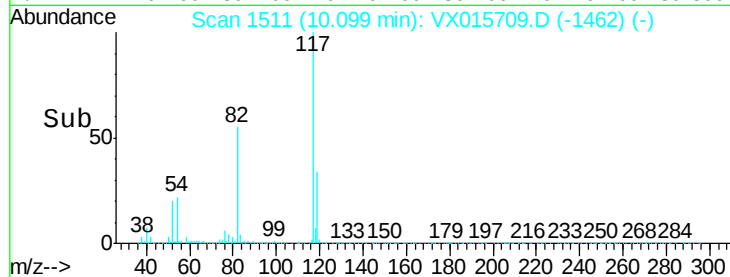
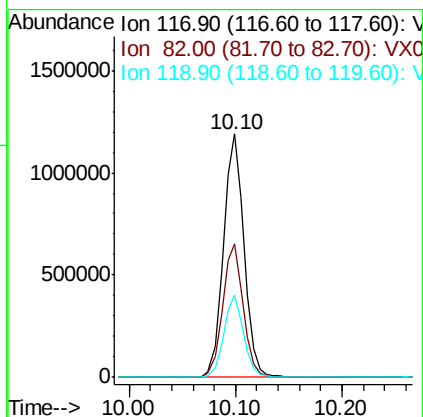
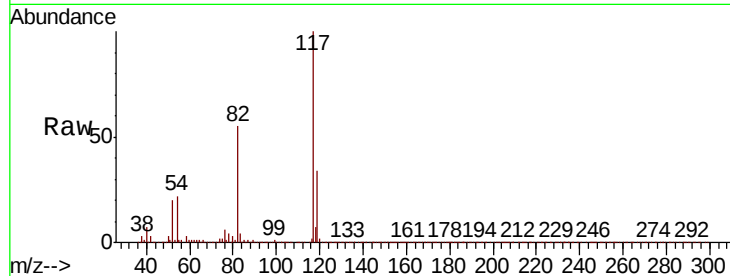




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015709.D
Acq: 16 Apr 2020 14:07

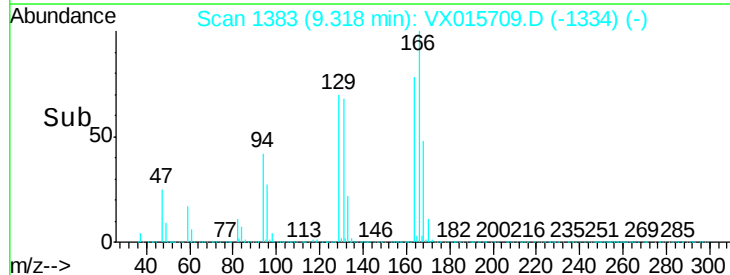
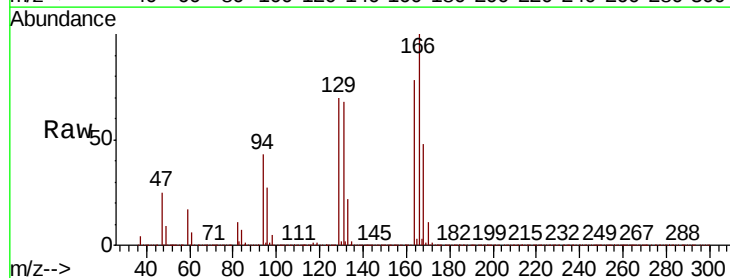
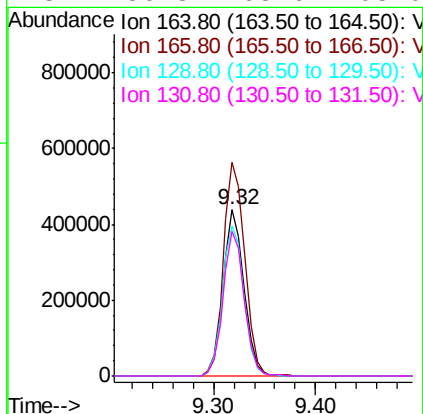
Instrument :
MSVOA_X
ClientSampleId :
SS037MW304-200408DL

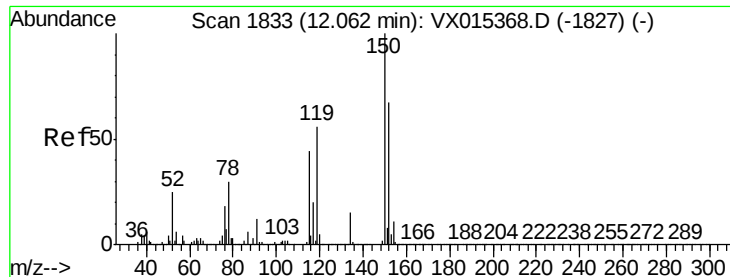
Tot Ion:117 Resp: 1602814
Ion Ratio Lower Upper
117 100
82 55.0 47.8 71.8
119 33.5 26.8 40.2



#64
Tetrachloroethene
Concen: 51.299 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX015709.D
Acq: 16 Apr 2020 14:07

Tgt Ion:164 Resp: 620517
Ion Ratio Lower Upper
164 100
166 128.5 97.8 146.6
129 90.4 73.0 109.4
131 86.8 68.6 103.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015709.D

Acq: 16 Apr 2020 14:07

Instrument :

MSVOA_X

ClientSampleId :

SS037MW304-200408DL

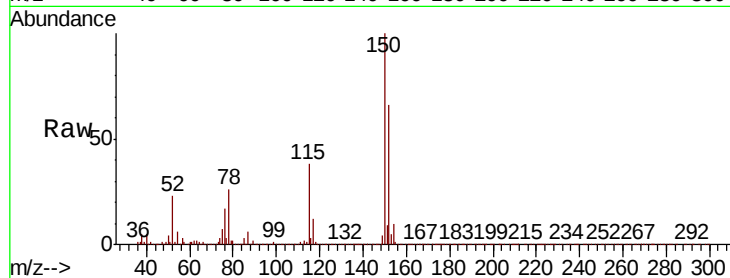
Tot Ion:152 Resp: 854495

Ion Ratio Lower Upper

152 100

115 56.9 39.0 116.9

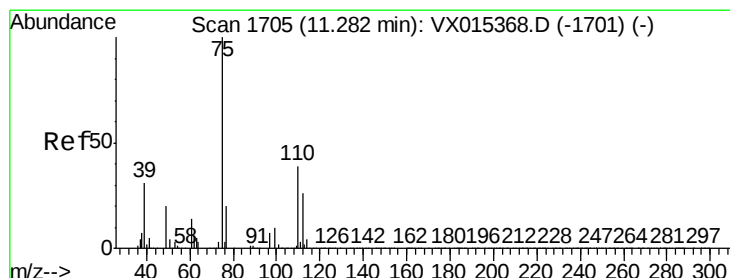
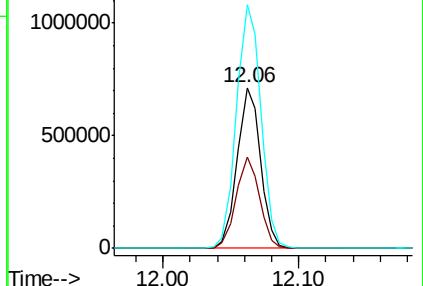
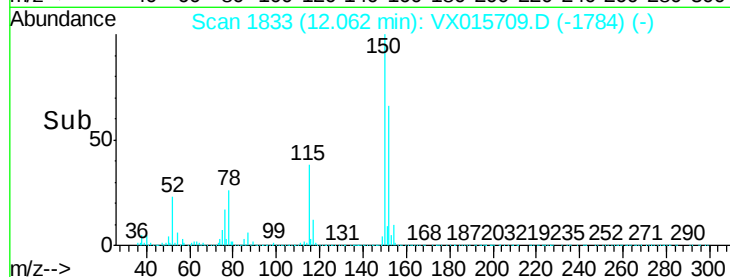
150 158.2 0.0 340.8



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: 23.833 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015709.D

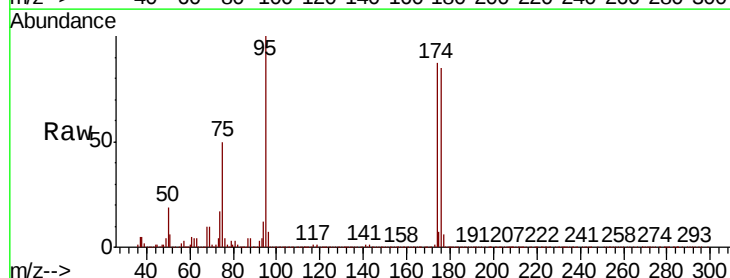
Acq: 16 Apr 2020 14:07

Tgt Ion: 75 Resp: 418800

Ion Ratio Lower Upper

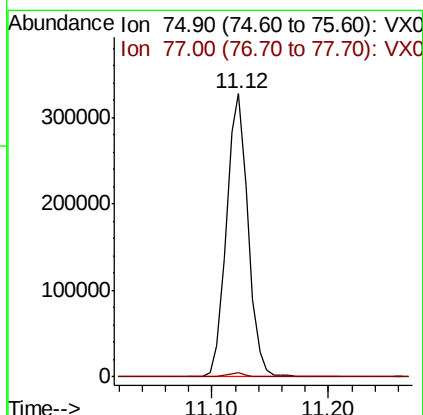
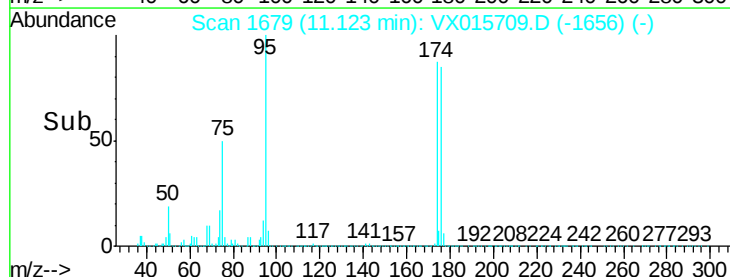
75 100

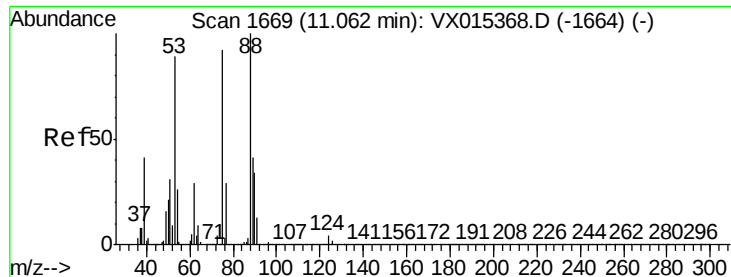
77 1.3 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 57.187 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015709.D

Acq: 16 Apr 2020 14:07

Instrument :

MSVOA_X

ClientSampleId :

SS037MW304-200408DL

Tot Ion: 75 Resp: 418800

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.0 36.1 54.1#

