

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041520\
 Data File : VX015683.D
 Acq On : 15 Apr 2020 15:15
 Operator : JC/SP
 Sample : L2233-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW310-200409

Quant Time: Apr 16 05:52:01 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	1040108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1621284	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1533614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	859186	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	636783	43.41	ug/l	0.00
Spiked Amount			Recovery	=	86.82%	
35) Dibromofluoromethane	5.47	113	493849	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
50) Toluene-d8	8.70	98	1946460	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	11.12	95	807522	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	

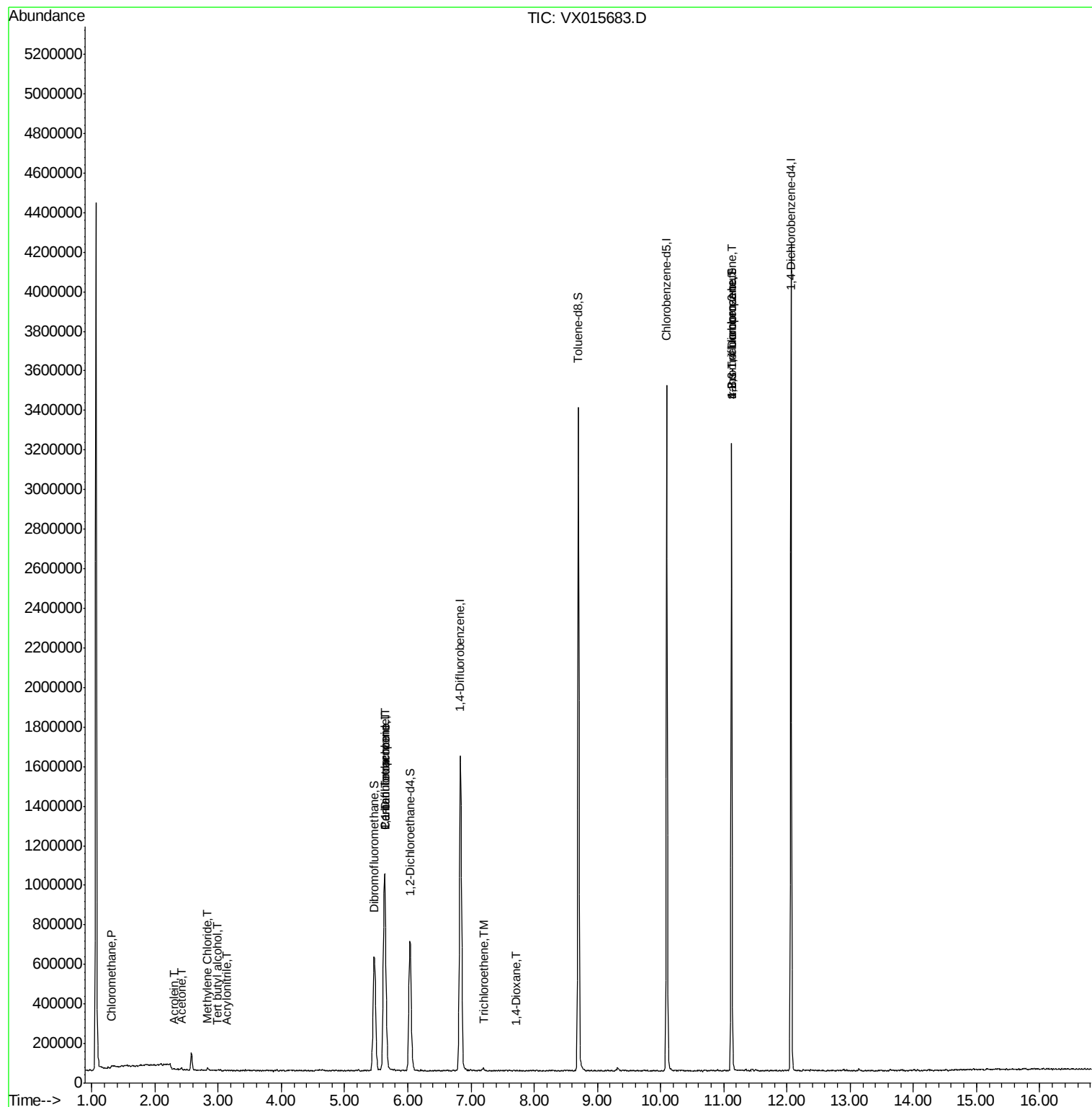
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	5558	0.476	ug/l #	78
5) Bromomethane	1.66	94	2160	Below Cal	#	21
11) Tert butyl alcohol	2.99	59	3728	1.062	ug/l	95
13) Acrolein	2.30	56	751	0.375	ug/l	90
15) Acrylonitrile	3.14	53	2276	0.340	ug/l #	39
16) Acetone	2.42	43	12419	1.971	ug/l	97
20) Methylene Chloride	2.83	84	5750	0.488	ug/l #	63
36) 1,1-Dichloropropene	5.64	75	70298	4.706	ug/l #	53
38) Carbon Tetrachloride	5.63	117	95583	5.908	ug/l #	15
44) Trichloroethene	7.19	130	6986	0.585	ug/l	76
49) 1,4-Dioxane	7.72	88	412	1.347	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	404353	22.886	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	404353	54.913	ug/l #	10

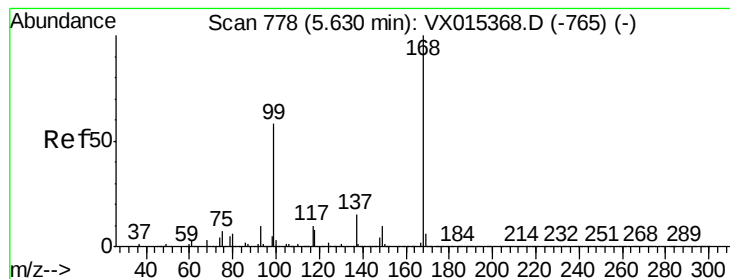
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX015683.D

Acq: 15 Apr 2020 15:15

Instrument :

MSVOA_X

ClientSampleId :

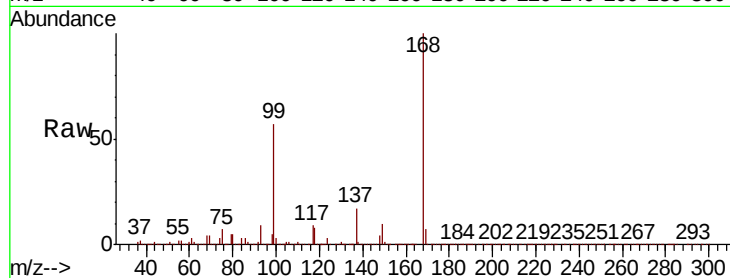
SS037MW310-200409

Tot Ion:168 Resp: 1040108

Ion Ratio Lower Upper

168 100

99 57.0 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

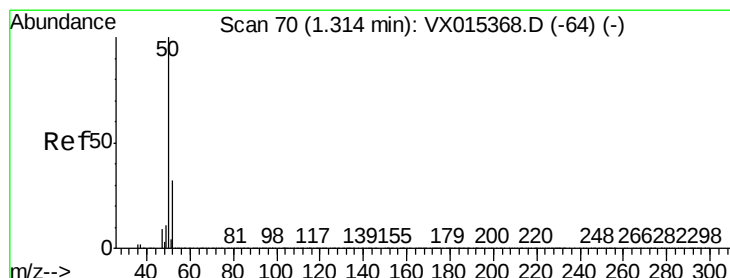
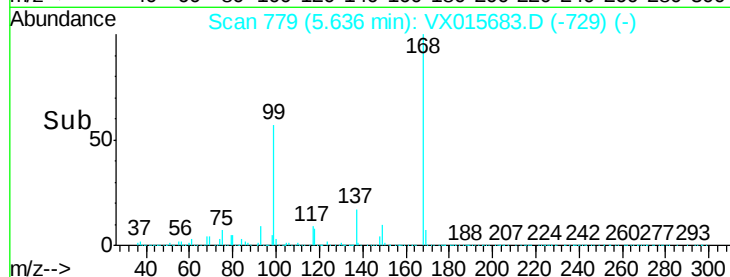
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.476 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015683.D

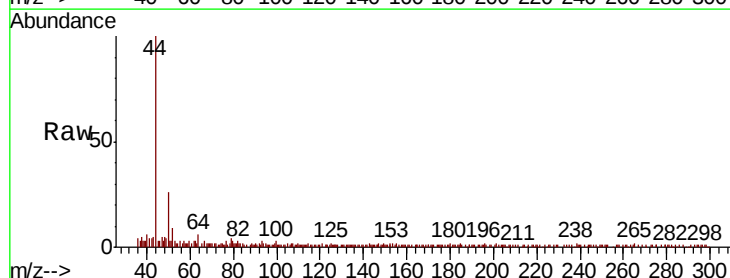
Acq: 15 Apr 2020 15:15

Tgt Ion: 50 Resp: 5558

Ion Ratio Lower Upper

50 100

52 19.7 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

4000

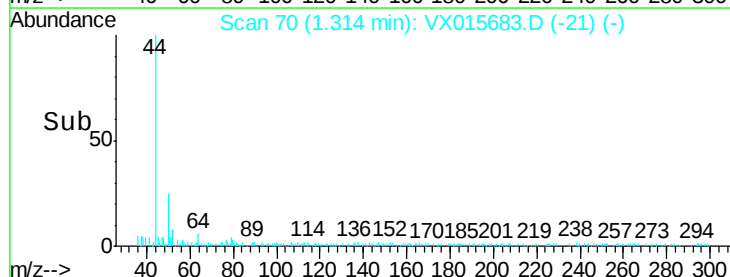
3000

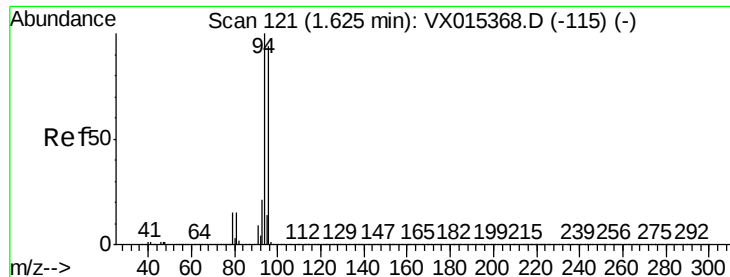
2000

1000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 126

Delta R.T. 0.03 min

Lab File: VX015683.D

Acq: 15 Apr 2020 15:15

Instrument :

MSVOA_X

ClientSampleId :

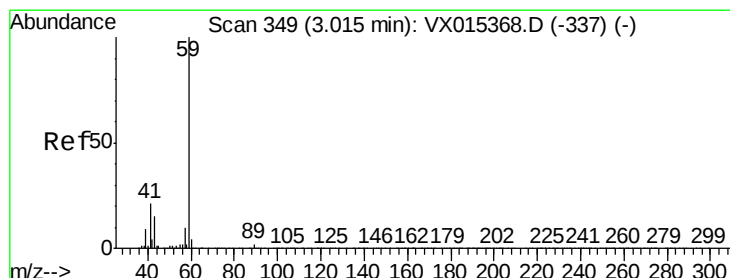
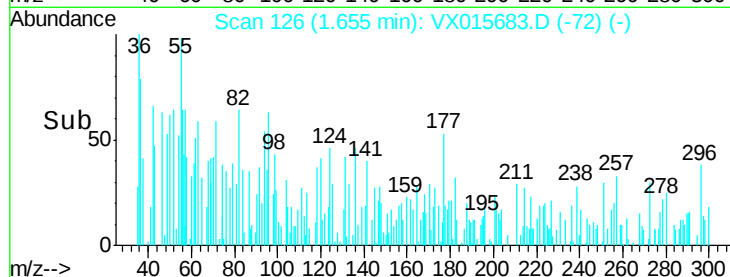
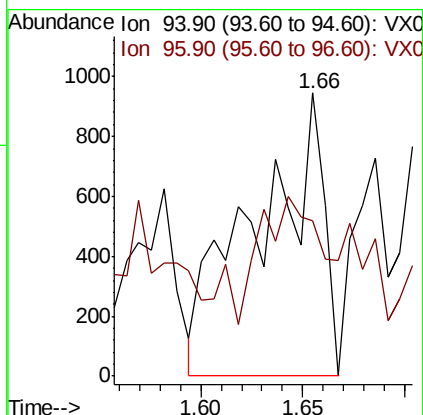
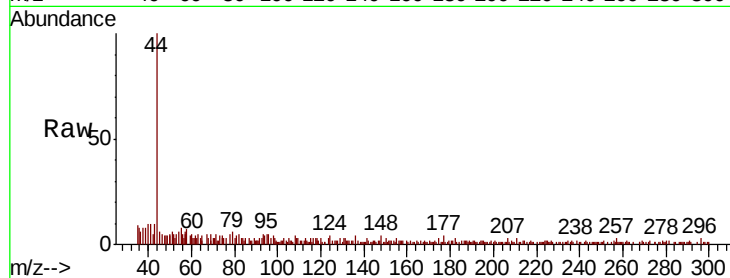
SS037MW310-200409

Tot Ion: 94 Resp: 2160

Ion Ratio Lower Upper

94 100

96 17.8 74.8 112.2#



#11

Tert butyl alcohol

Concen: 1.062 ug/l

RT: 2.99 min Scan# 345

Delta R.T. -0.02 min

Lab File: VX015683.D

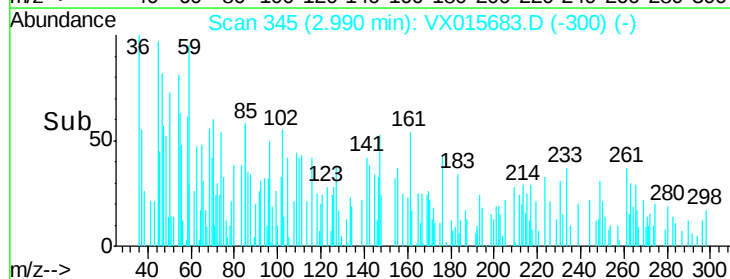
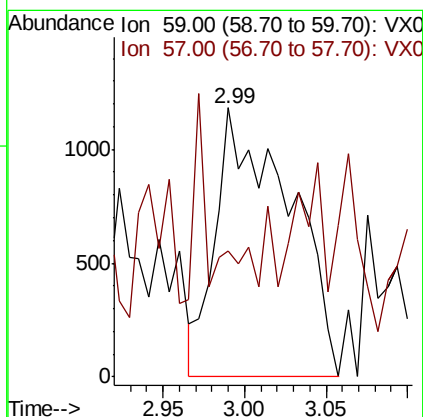
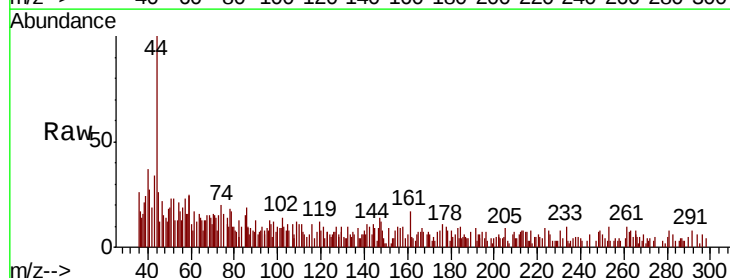
Acq: 15 Apr 2020 15:15

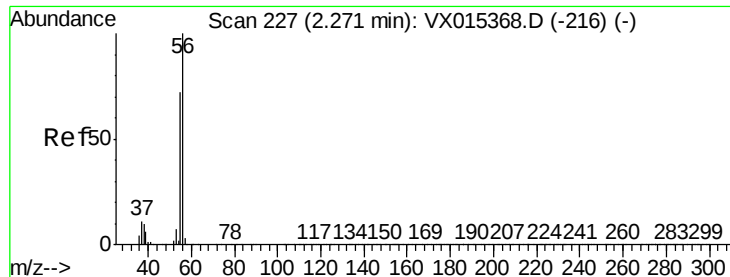
Tgt Ion: 59 Resp: 3728

Ion Ratio Lower Upper

59 100

57 11.9 8.1 12.1

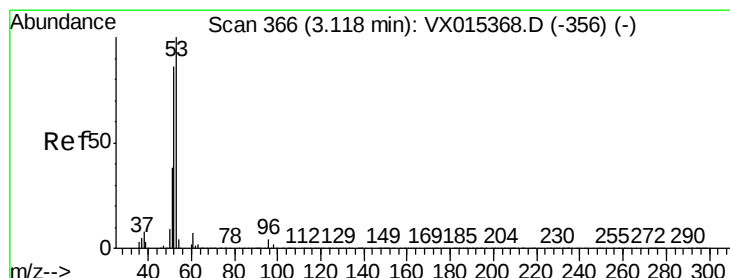
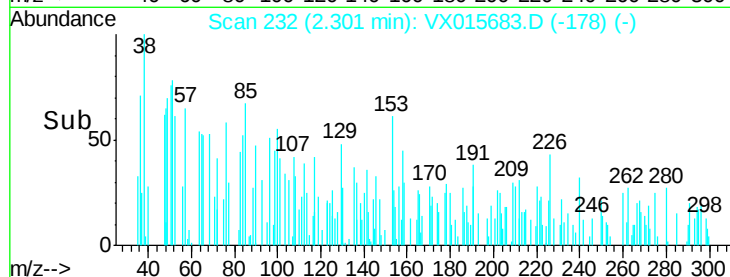
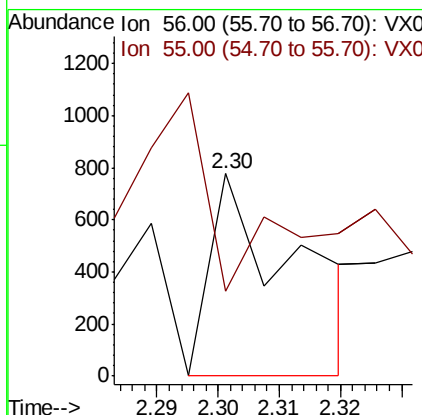
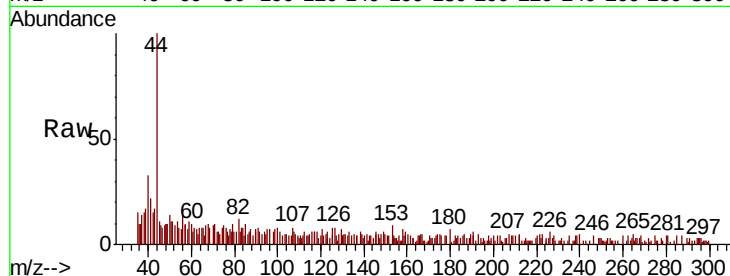




#13
Acrolein
Concen: 0.375 ug/l
RT: 2.30 min Scan# 232
Delta R.T. 0.03 min
Lab File: VX015683.D
Acq: 15 Apr 2020 15:15

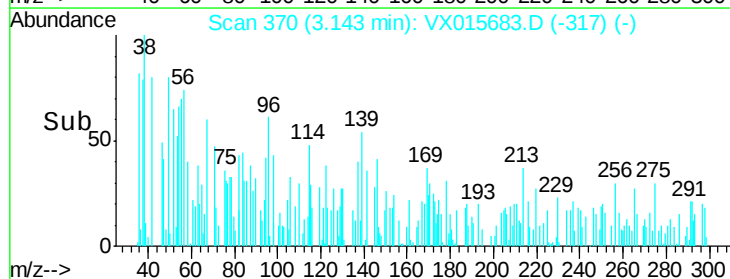
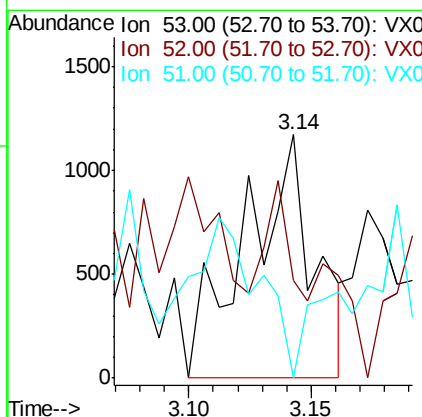
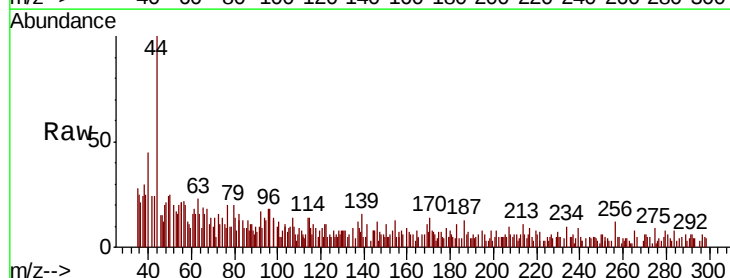
Instrument :
MSVOA_X
ClientSampleId :
SS037MW310-200409

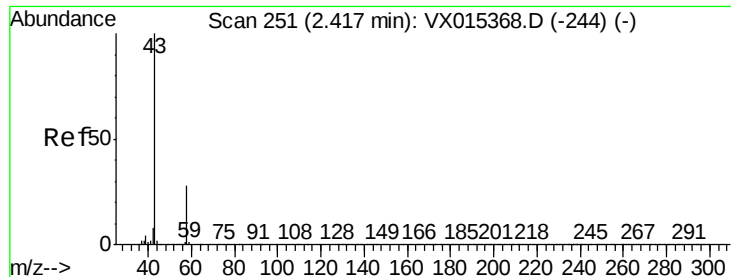
Tot Ion: 56 Resp: 751
Ion Ratio Lower Upper
56 100
55 62.8 57.0 85.4



#15
Acrylonitrile
Concen: 0.340 ug/l
RT: 3.14 min Scan# 370
Delta R.T. 0.02 min
Lab File: VX015683.D
Acq: 15 Apr 2020 15:15

Tgt Ion: 53 Resp: 2276
Ion Ratio Lower Upper
53 100
52 29.3 66.8 100.2#
51 0.0 29.5 44.3#

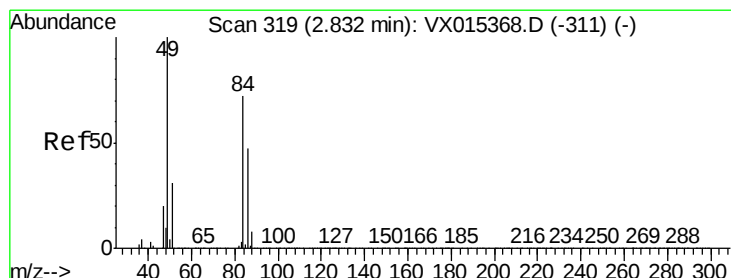
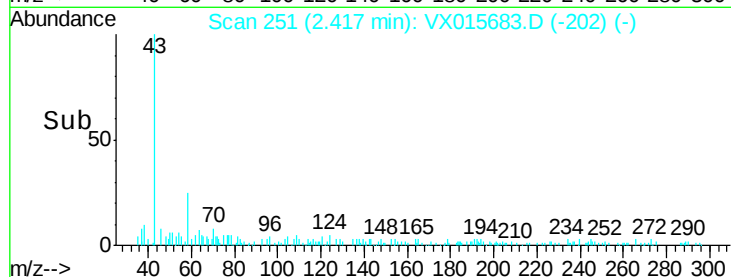
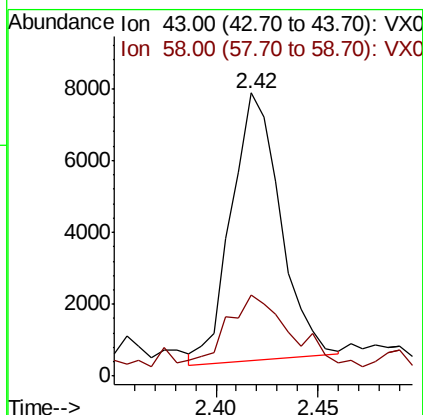
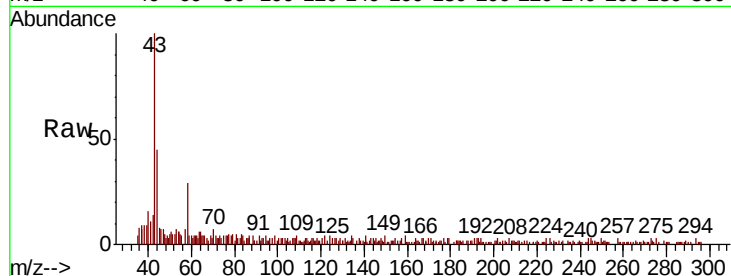




#16
Acetone
Concen: 1.971 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015683.D
Acq: 15 Apr 2020 15:15

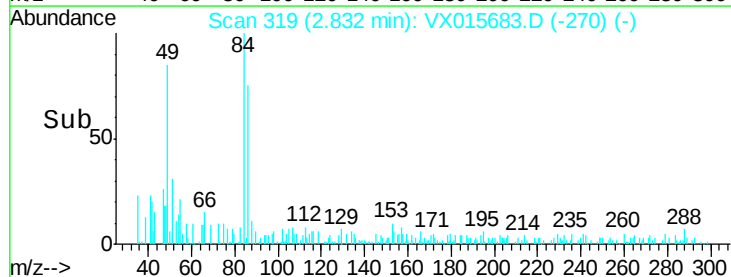
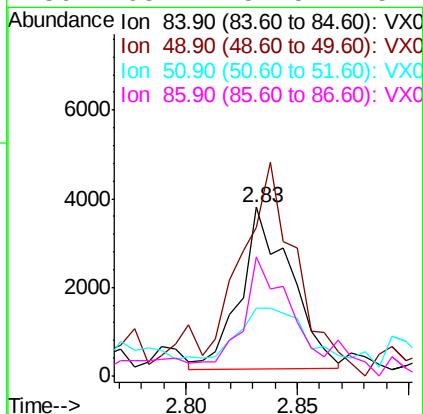
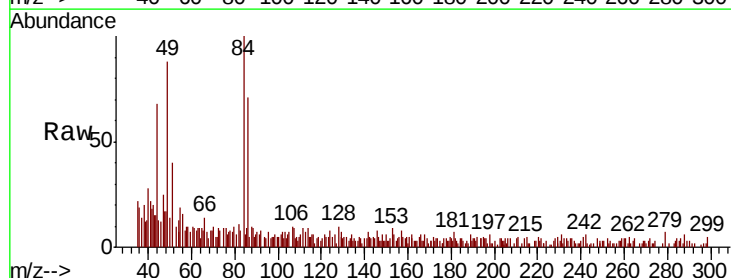
Instrument :
MSVOA_X
ClientSampleId :
SS037MW310-200409

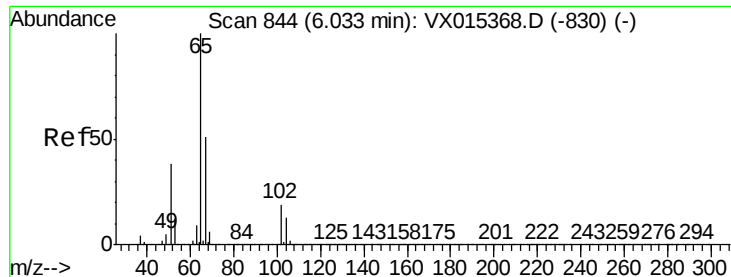
Tot Ion: 43 Resp: 12419
Ion Ratio Lower Upper
43 100
58 26.3 22.1 33.1



#20
Methylene Chloride
Concen: 0.488 ug/l
RT: 2.83 min Scan# 319
Delta R.T. -0.00 min
Lab File: VX015683.D
Acq: 15 Apr 2020 15:15

Tgt Ion: 84 Resp: 5750
Ion Ratio Lower Upper
84 100
49 68.3 111.3 166.9#
51 31.1 34.0 51.0#
86 68.2 52.5 78.7





#33

1,2-Dichloroethane-d4

Concen: 43.408 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015683.D

Acq: 15 Apr 2020 15:15

Instrument :

MSVOA_X

ClientSampleId :

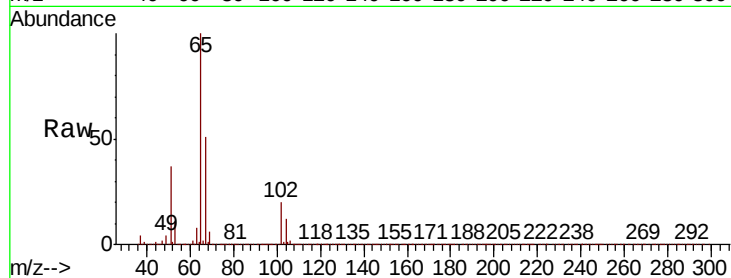
SS037MW310-200409

Tot Ion: 65 Resp: 636783

Ion Ratio Lower Upper

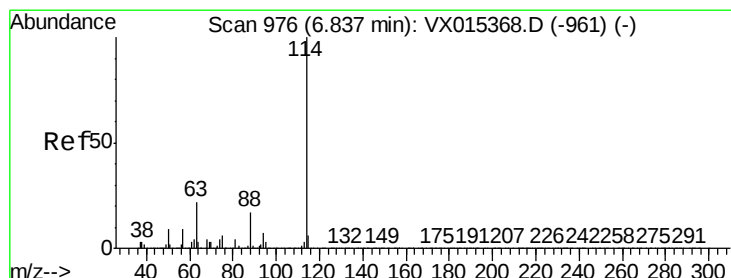
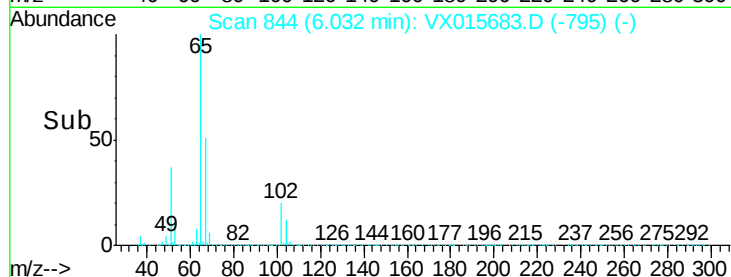
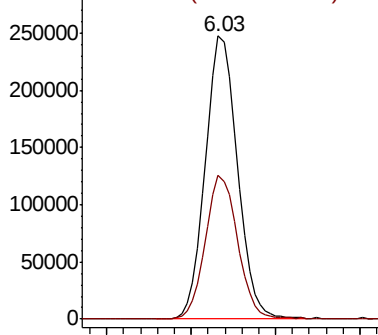
65 100

67 50.9 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: VX015683.D

Acq: 15 Apr 2020 15:15

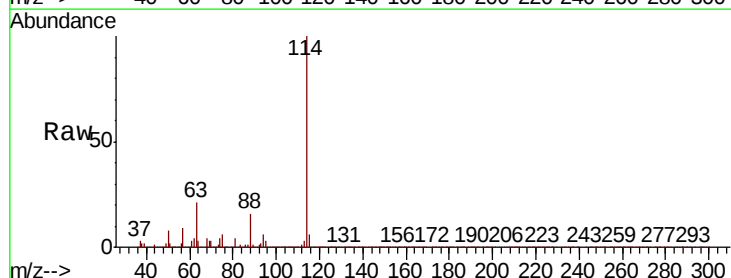
Tgt Ion: 114 Resp: 1621284

Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.2

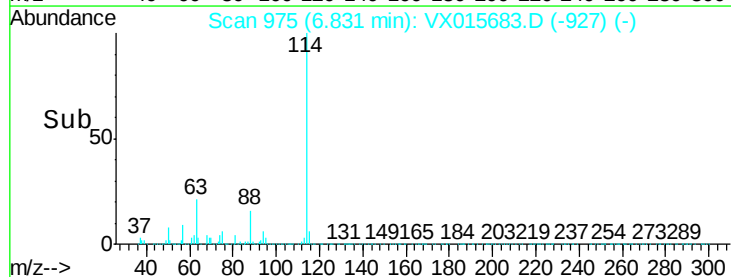
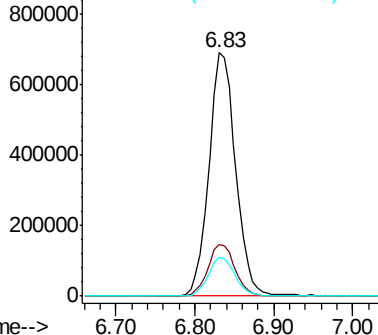
88 15.9 0.0 33.8

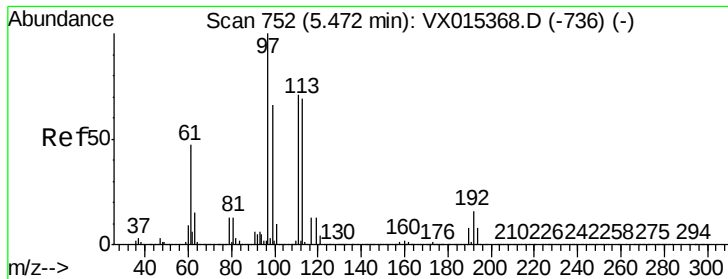


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

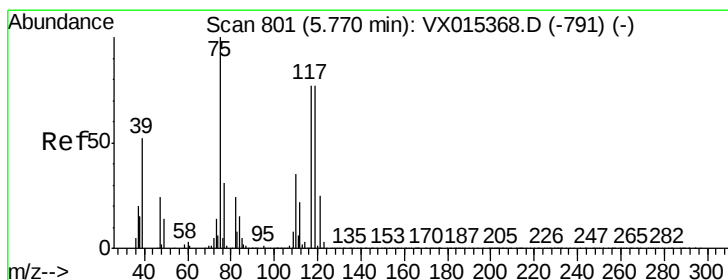
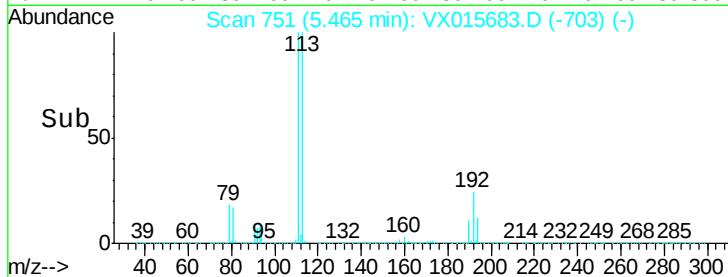
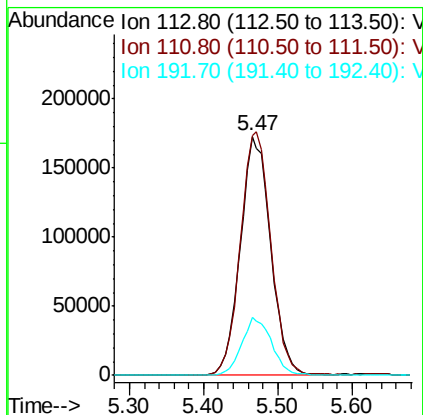
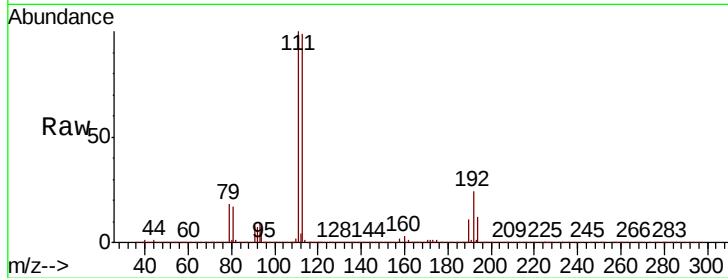




#35
Dibromofluoromethane
Concen: 47.652 ug/l
RT: 5.47 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX015683.D
Acq: 15 Apr 2020 15:15

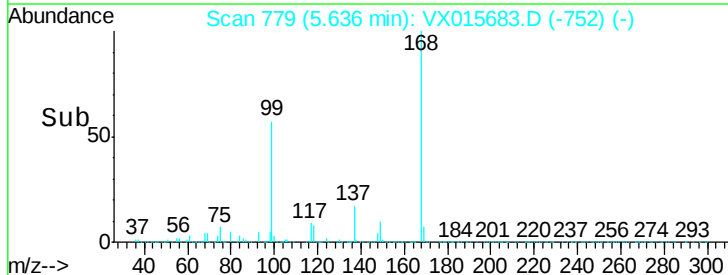
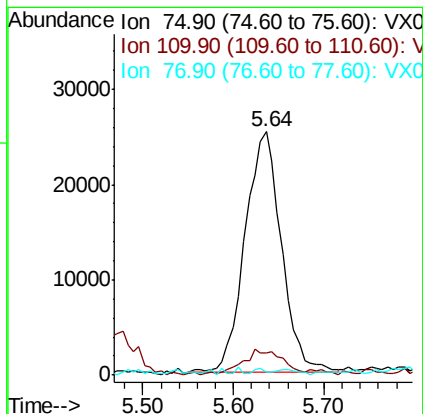
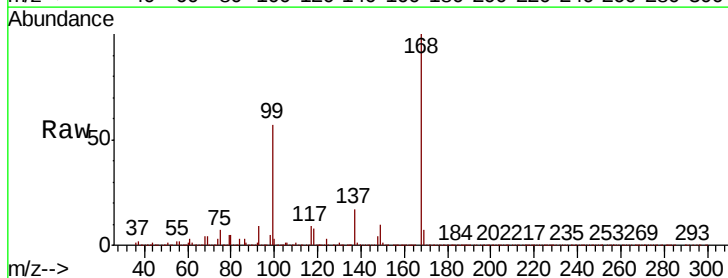
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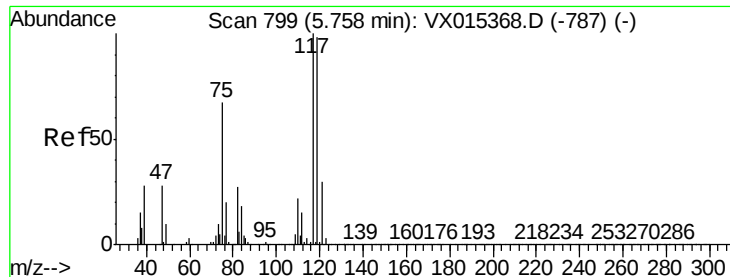
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.5	122.3
192	23.9	17.8	26.6



#36
1,1-Dichloropropene
Concen: 4.706 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.13 min
Lab File: VX015683.D
Acq: 15 Apr 2020 15:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.9	17.1	51.3#
77	0.5	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.908 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015683.D

Acq: 15 Apr 2020 15:15

Instrument :

MSVOA_X

ClientSampleId :

SS037MW310-200409

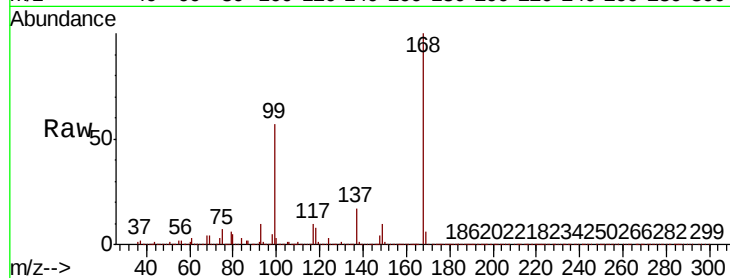
Tot Ion:117 Resp: 95583

Ion Ratio Lower Upper

117 100

119 4.6 78.0 117.0#

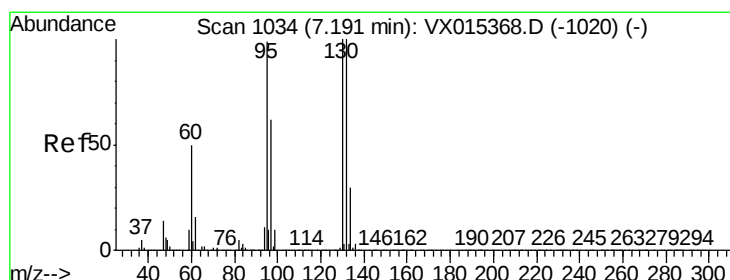
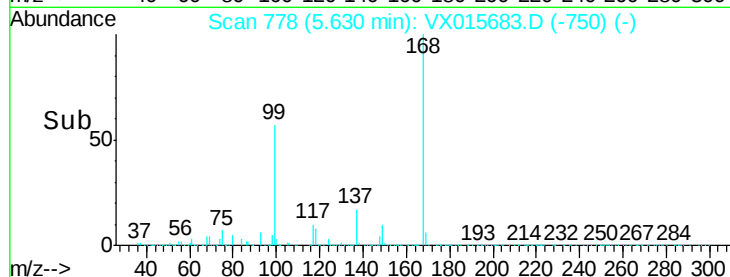
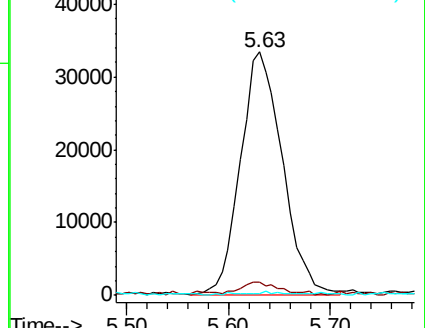
121 0.0 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.585 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX015683.D

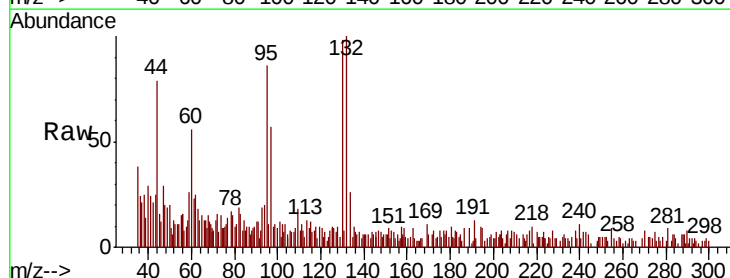
Acq: 15 Apr 2020 15:15

Tgt Ion:130 Resp: 6986

Ion Ratio Lower Upper

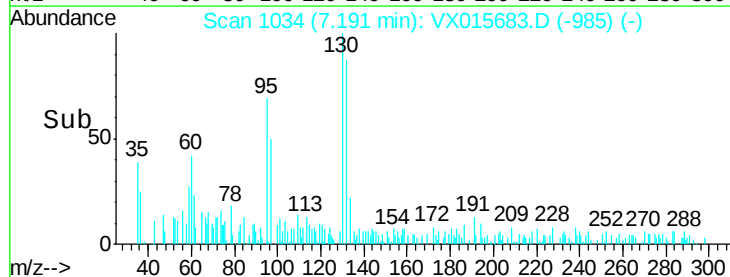
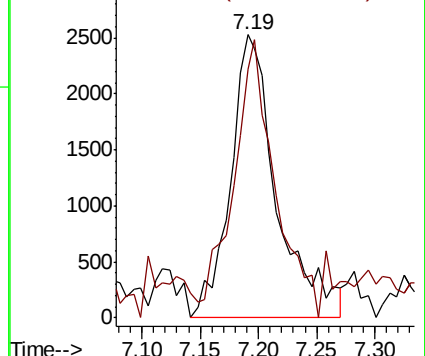
130 100

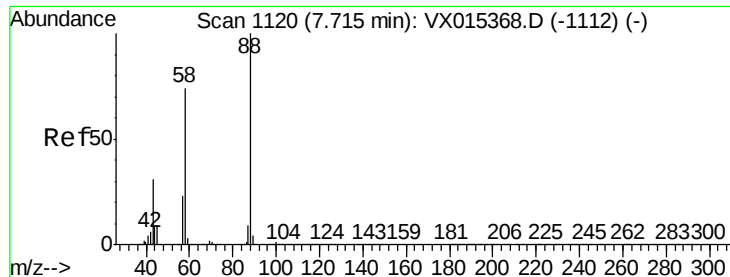
95 75.1 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 1.347 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015683.D

Acq: 15 Apr 2020 15:15

Instrument :

MSVOA_X

ClientSampleId :

SS037MW310-200409

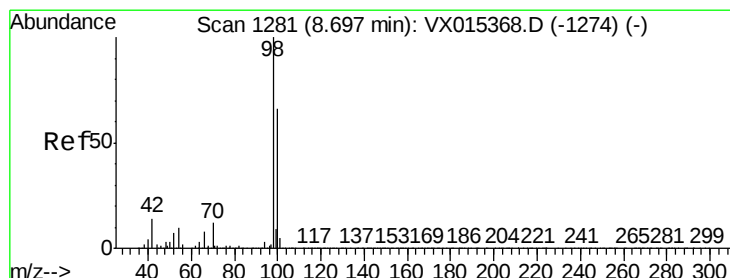
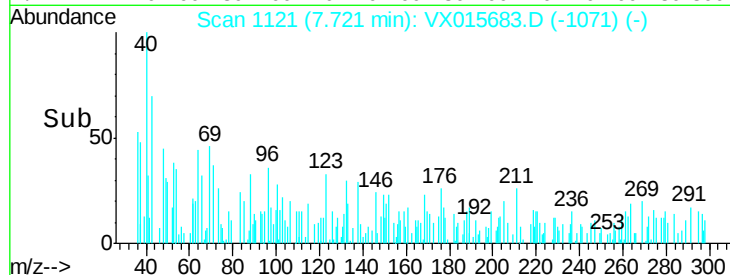
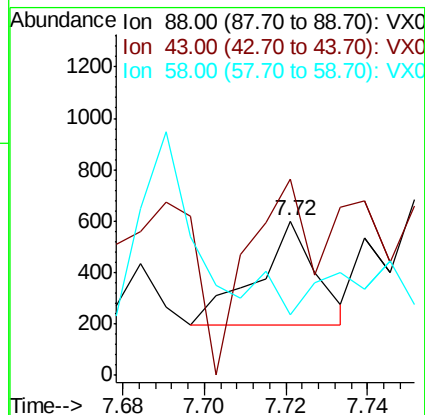
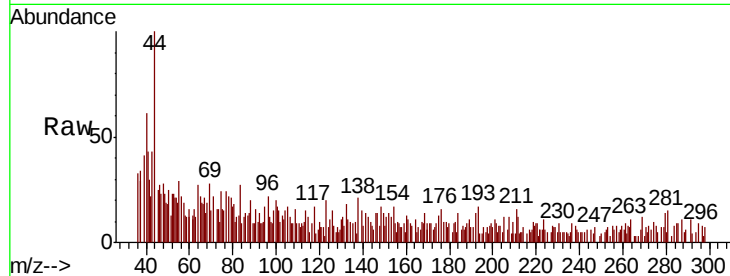
Tot Ion: 88 Resp: 412

Ion Ratio Lower Upper

88 100

43 196.8 30.1 45.1#

58 0.0 60.6 90.8#



#50

Toluene-d8

Concen: 51.013 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015683.D

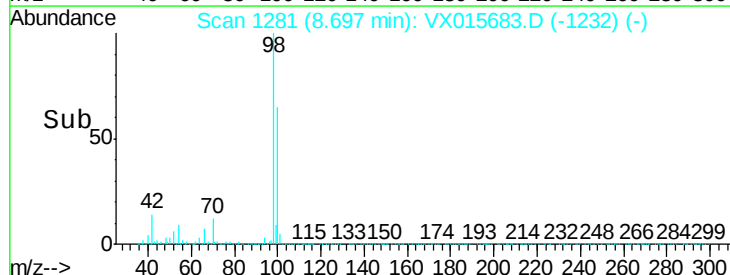
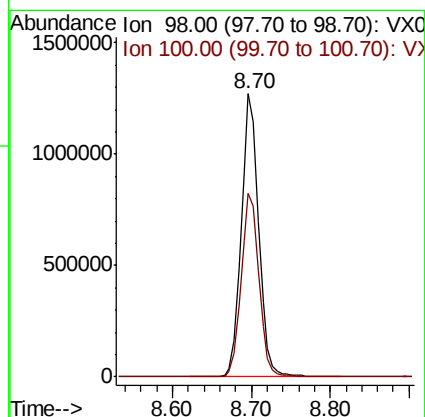
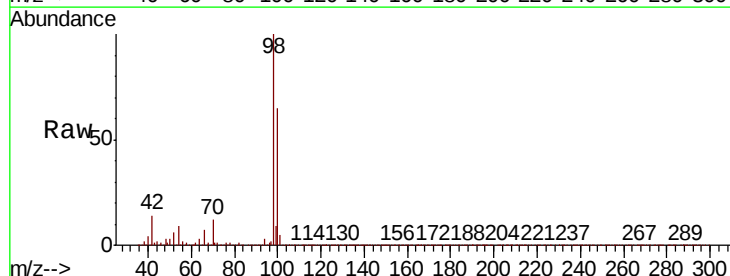
Acq: 15 Apr 2020 15:15

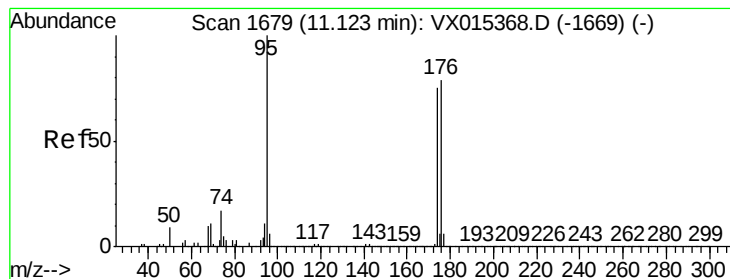
Tgt Ion: 98 Resp: 1946460

Ion Ratio Lower Upper

98 100

100 66.5 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 52.075 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015683.D

Acq: 15 Apr 2020 15:15

Instrument :

MSVOA_X

ClientSampleId :

SS037MW310-200409

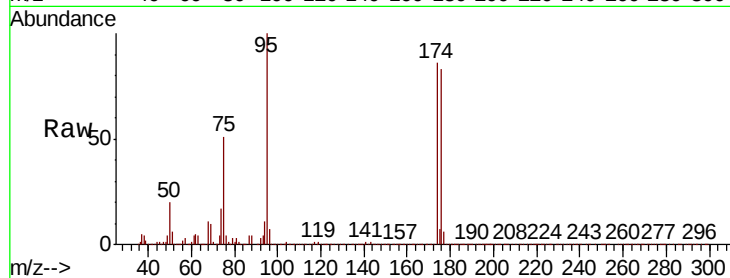
Tot Ion: 95 Resp: 807522

Ion Ratio Lower Upper

95 100

174 85.3 0.0 158.6

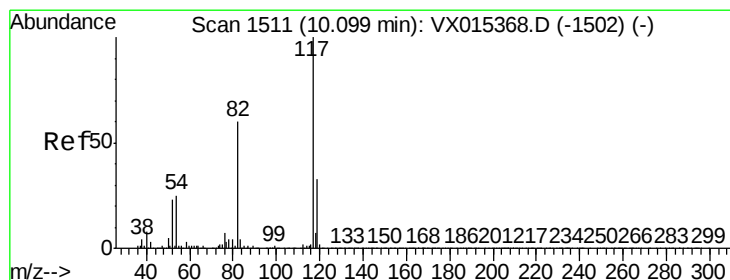
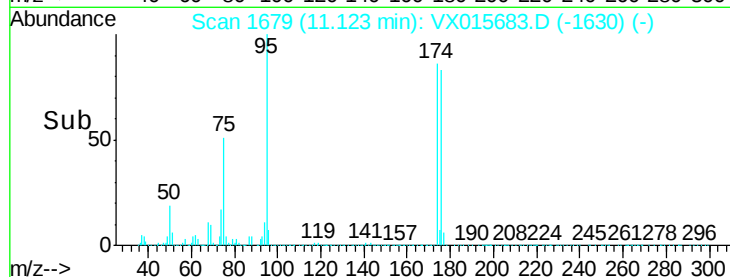
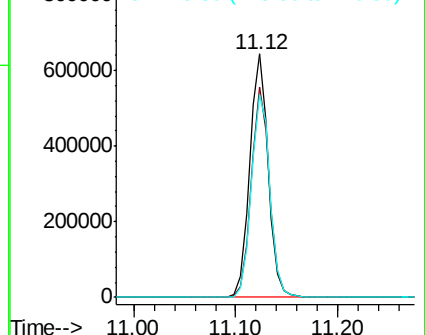
176 84.6 0.0 159.0



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: VX015683.D

Acq: 15 Apr 2020 15:15

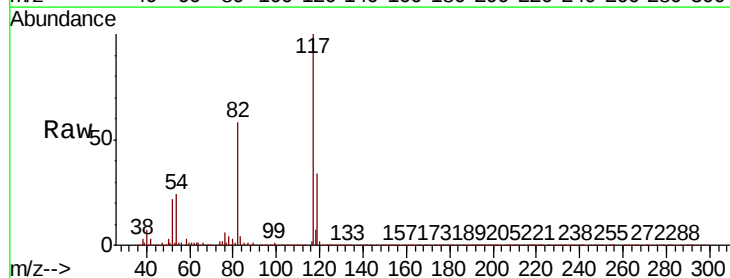
Tgt Ion: 117 Resp: 1533614

Ion Ratio Lower Upper

117 100

82 58.0 47.8 71.8

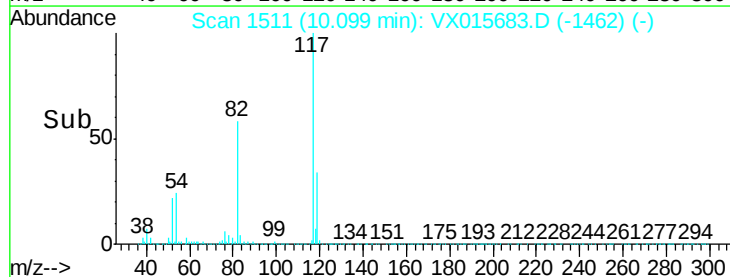
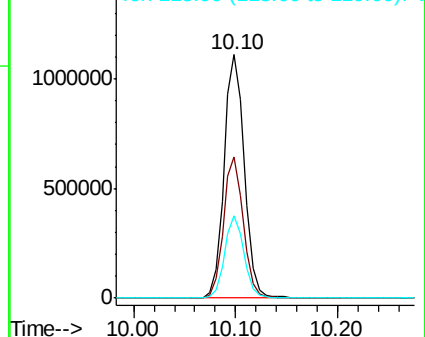
119 33.9 26.8 40.2

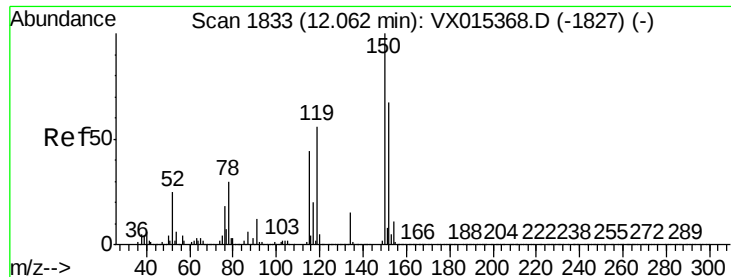


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015683.D

Acq: 15 Apr 2020 15:15

Instrument :

MSVOA_X

ClientSampleId :

SS037MW310-200409

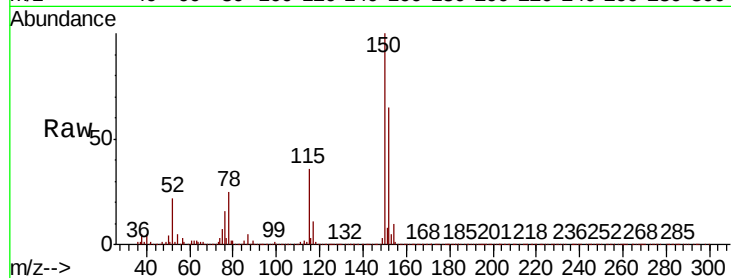
Tot Ion:152 Resp: 859186

Ion Ratio Lower Upper

152 100

115 55.7 39.0 116.9

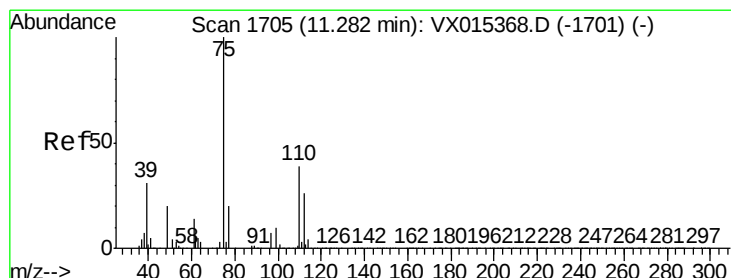
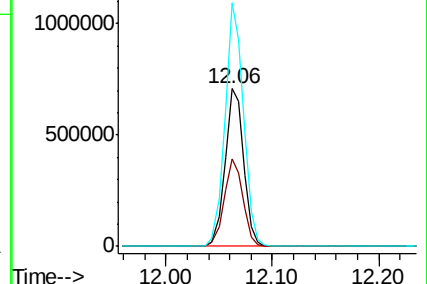
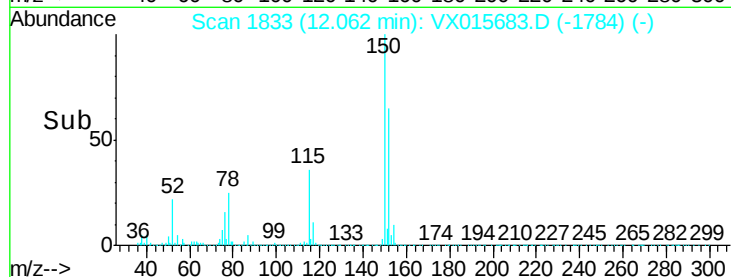
150 153.1 0.0 340.8



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: 22.886 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015683.D

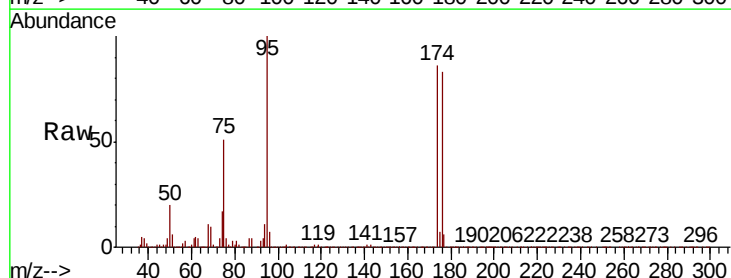
Acq: 15 Apr 2020 15:15

Tgt Ion: 75 Resp: 404353

Ion Ratio Lower Upper

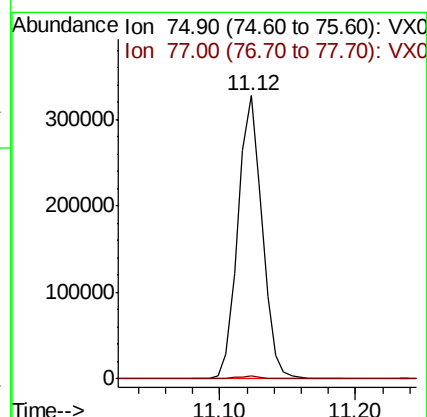
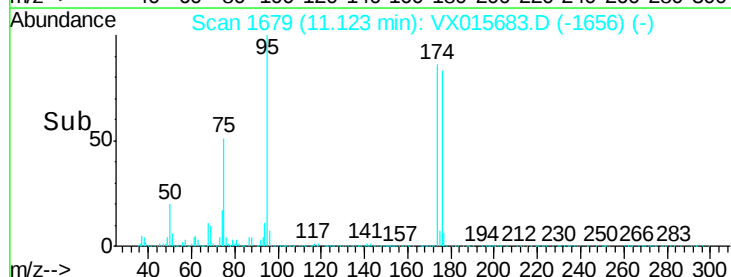
75 100

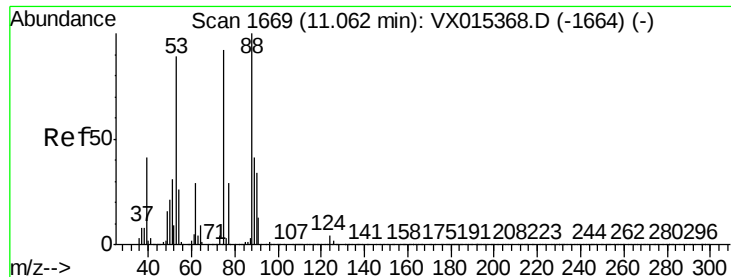
77 1.3 21.2 63.6#



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: 54.913 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015683.D

Acq: 15 Apr 2020 15:15

Instrument :

MSVOA_X

ClientSampleId :

SS037MW310-200409

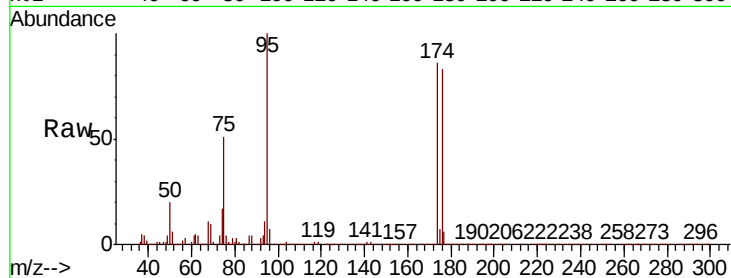
Tot Ion: 75 Resp: 404353

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

