

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041620\
 Data File : VX015708.D
 Acq On : 16 Apr 2020 13:44
 Operator : JC/SP
 Sample : L2233-17DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW302-200408DL

Quant Time: Apr 17 06:46:28 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	5.63	168	962946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1492689	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1442972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	805936	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	593174	43.68	ug/l	0.00
Spiked Amount			Recovery	=	87.36%	
35) Dibromofluoromethane	5.47	113	449934	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	
50) Toluene-d8	8.70	98	1797161	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	11.12	95	769164	53.87	ug/l	0.00
Spiked Amount			Recovery	=	107.74%	

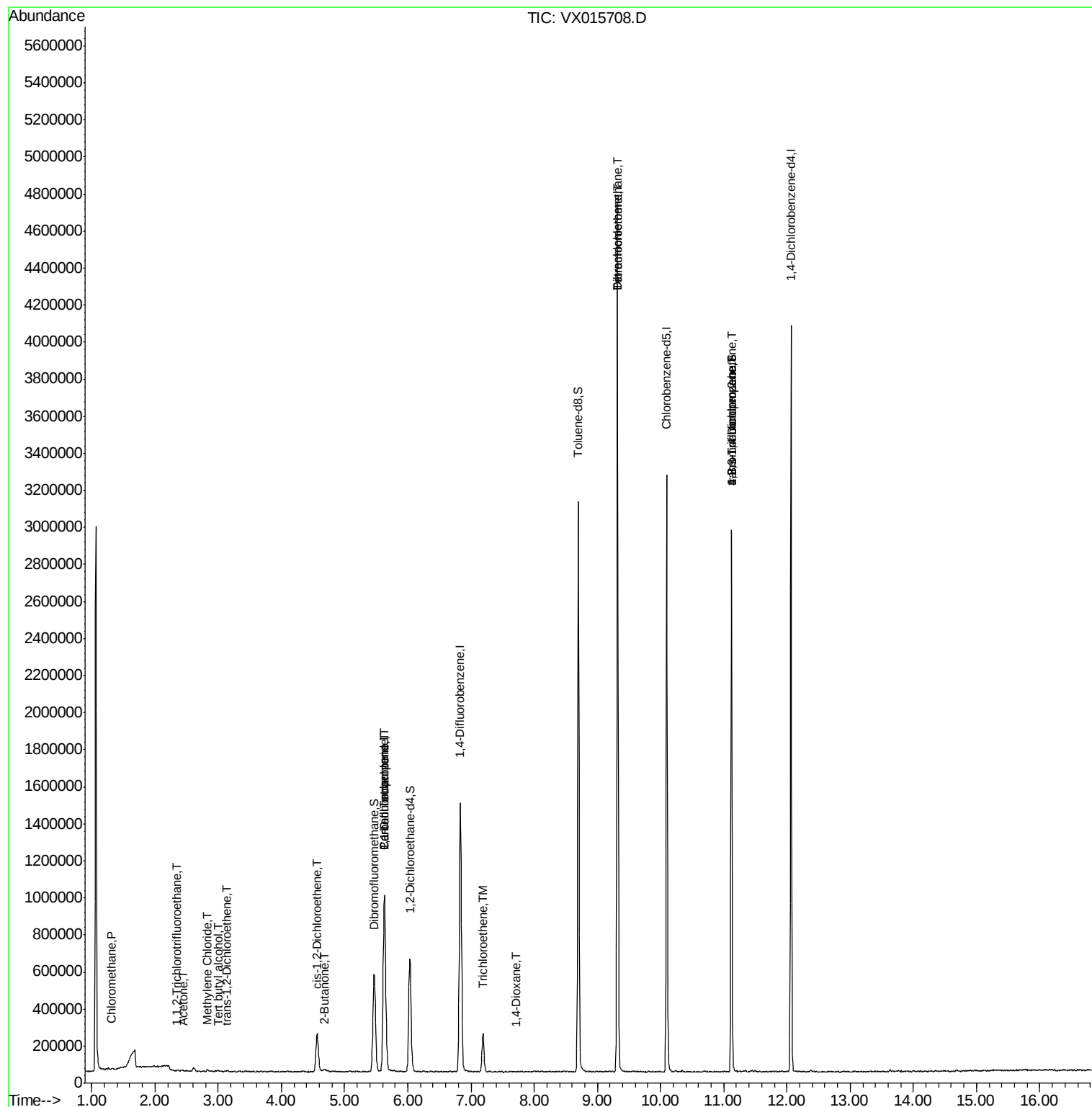
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2797	0.259	ug/l	98
5) Bromomethane	1.63	94	1747	Below Cal	#	59
9) 1,1,2-Trichlorotrifluoroet	2.36	101	2417	0.279	ug/l #	37
11) Tert butyl alcohol	3.00	59	1279	0.393	ug/l #	1
16) Acetone	2.44	43	3233	0.554	ug/l	96
20) Methylene Chloride	2.83	84	4971	0.456	ug/l	86
21) trans-1,2-Dichloroethene	3.14	96	4108	0.407	ug/l	81
25) 2-Butanone	4.67	43	3458	0.369	ug/l #	52
27) cis-1,2-Dichloroethene	4.56	96	136227	11.670	ug/l	88
36) 1,1-Dichloropropene	5.63	75	68139	4.954	ug/l #	54
38) Carbon Tetrachloride	5.63	117	87367	5.865	ug/l #	14
44) Trichloroethene	7.19	130	83893	7.635	ug/l	93
49) 1,4-Dioxane	7.72	88	529	1.878	ug/l #	70
60) Dibromochloromethane	9.32	129	833679	68.176	ug/l #	11
64) Tetrachloroethene	9.32	164	947901	87.045	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	382293	23.067	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	382293	55.347	ug/l #	10

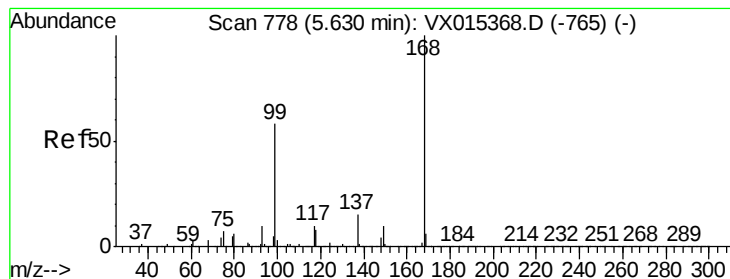
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.00 min

Lab File: VX015708.D

Acq: 16 Apr 2020 13:44

Instrument :

MSVOA_X

ClientSampleId :

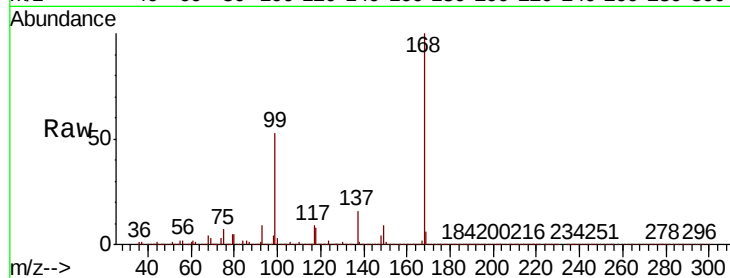
SS037MW302-200408DL

Tot Ion:168 Resp: 962946

Ion Ratio Lower Upper

168 100

99 52.6 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

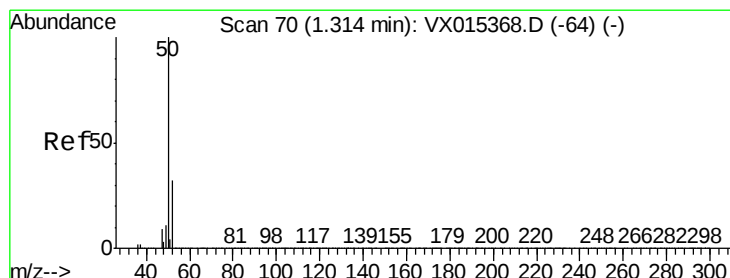
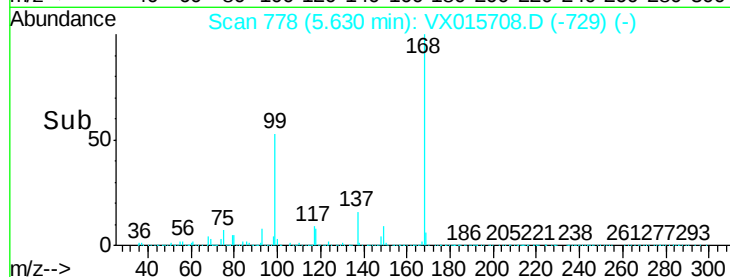
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.259 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015708.D

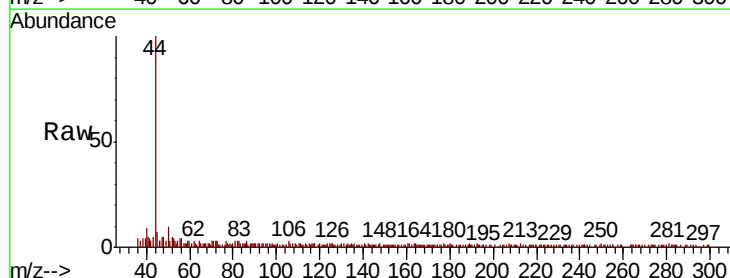
Acq: 16 Apr 2020 13:44

Tgt Ion: 50 Resp: 2797

Ion Ratio Lower Upper

50 100

52 30.7 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

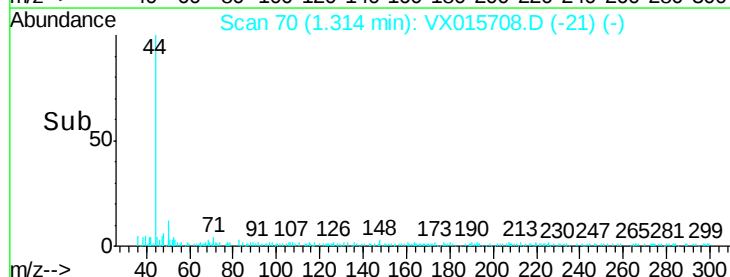
1500

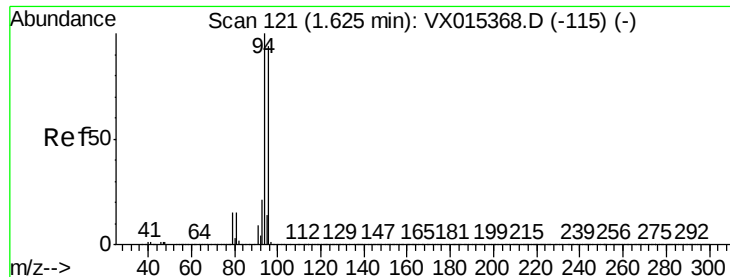
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015708.D

Acq: 16 Apr 2020 13:44

Instrument :

MSVOA_X

ClientSampleId :

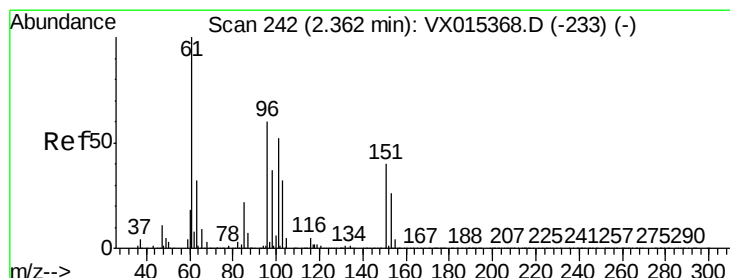
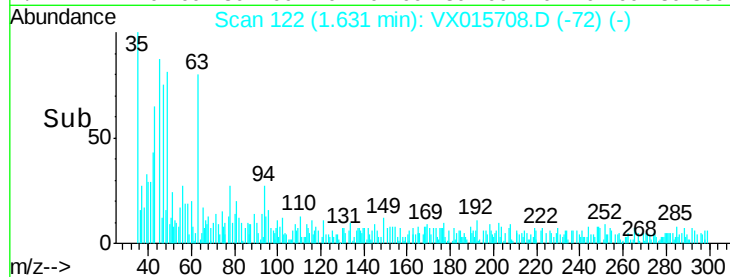
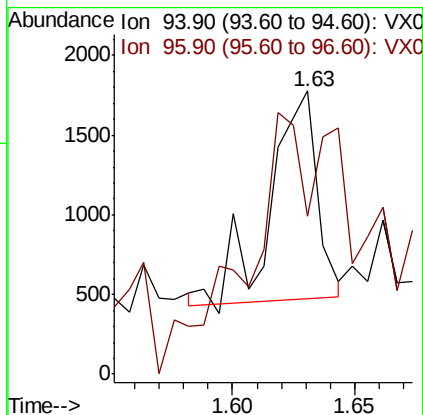
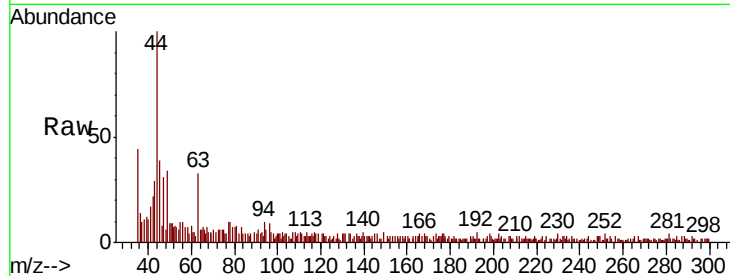
SS037MW302-200408DL

Tot Ion: 94 Resp: 1747

Ion Ratio Lower Upper

94 100

96 54.3 74.8 112.2#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.279 ug/l

RT: 2.36 min Scan# 241

Delta R.T. -0.01 min

Lab File: VX015708.D

Acq: 16 Apr 2020 13:44

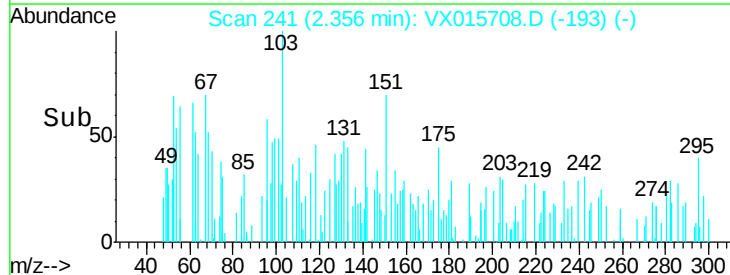
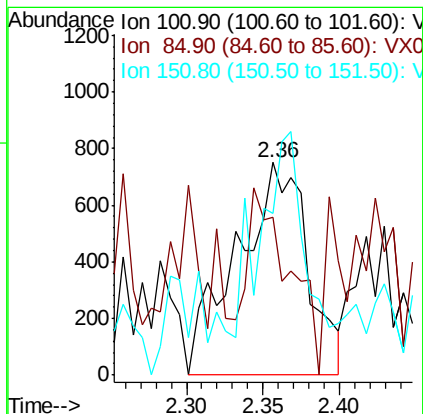
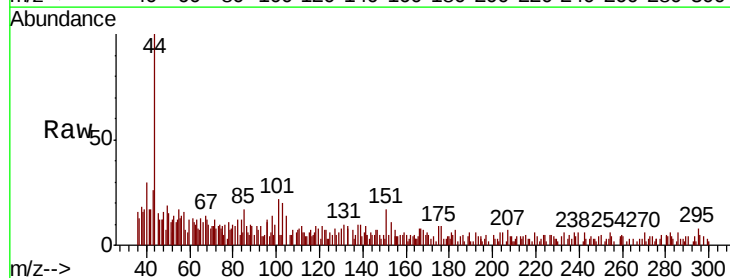
Tgt Ion:101 Resp: 2417

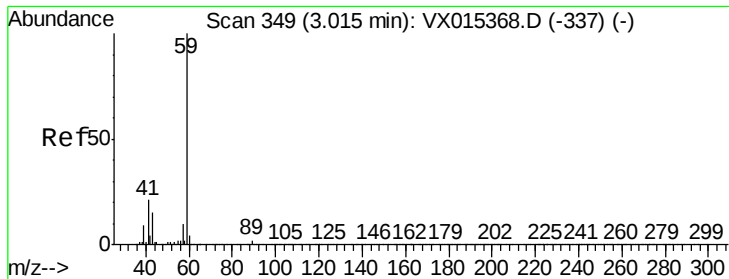
Ion Ratio Lower Upper

101 100

85 52.0 35.0 52.4

151 0.0 64.1 96.1#

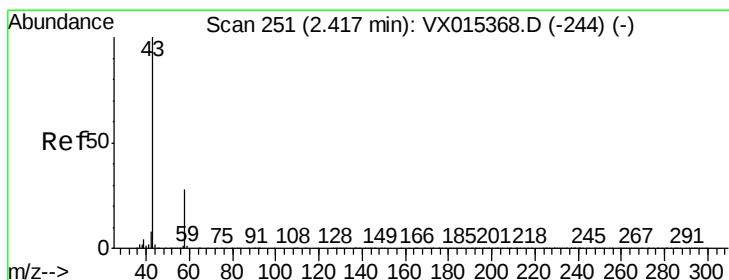
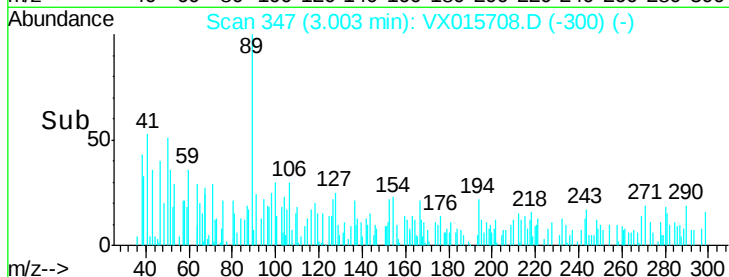
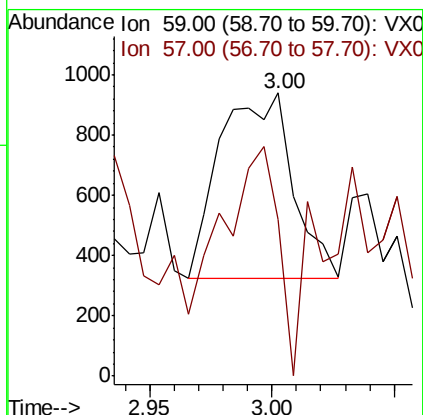
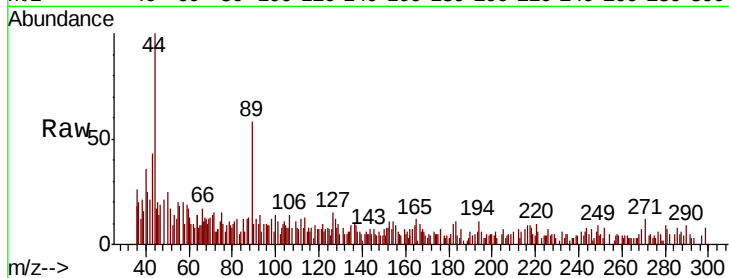




#11
Tert butyl alcohol
Concen: 0.393 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.01 min
Lab File: VX015708.D
Acq: 16 Apr 2020 13:44

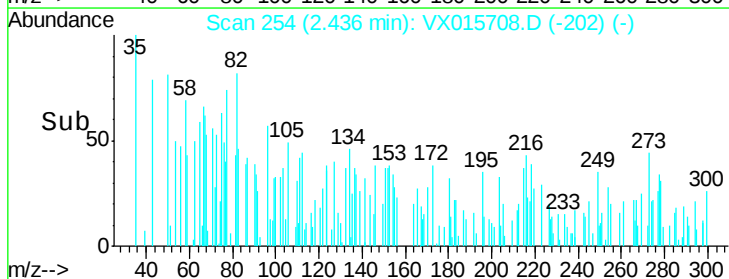
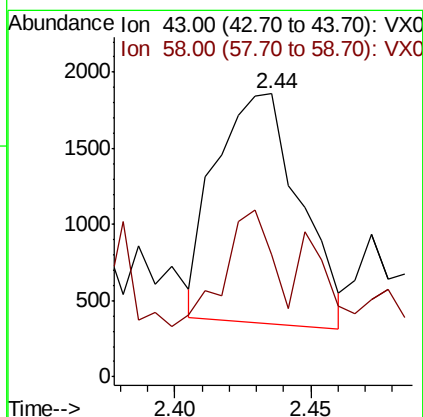
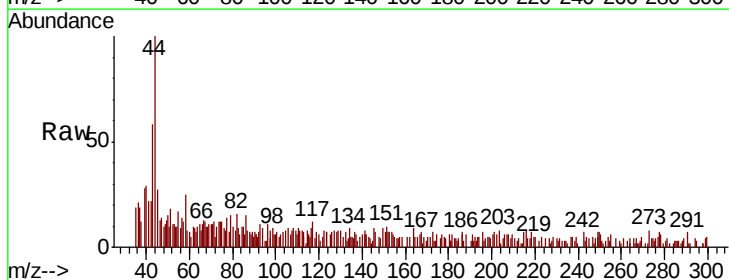
Instrument :
MSVOA_X
ClientSampleId :
SS037MW302-200408DL

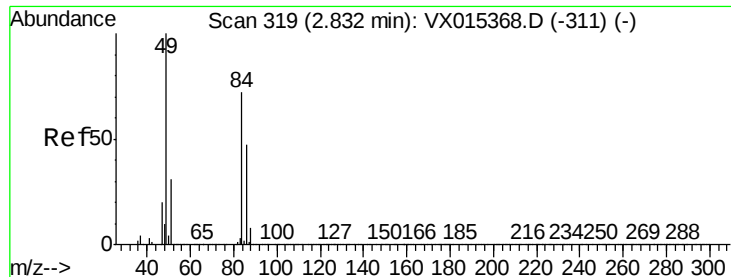
Tot Ion: 59 Resp: 1279
Ion Ratio Lower Upper
59 100
57 96.5 8.1 12.1#



#16
Acetone
Concen: 0.554 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.02 min
Lab File: VX015708.D
Acq: 16 Apr 2020 13:44

Tgt Ion: 43 Resp: 3233
Ion Ratio Lower Upper
43 100
58 25.7 22.1 33.1

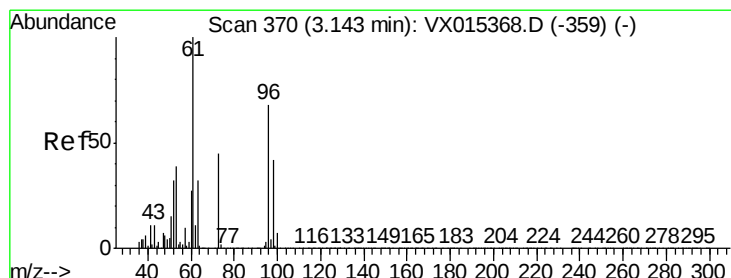
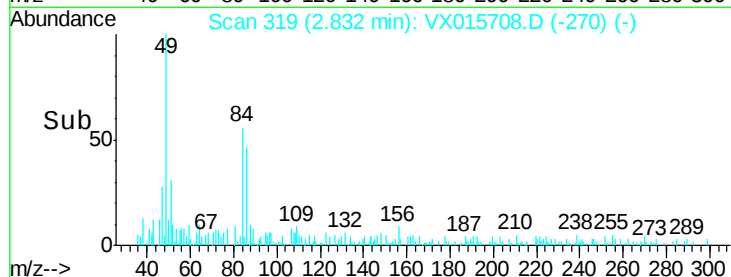
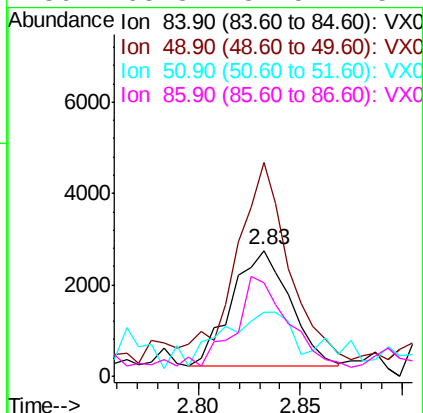
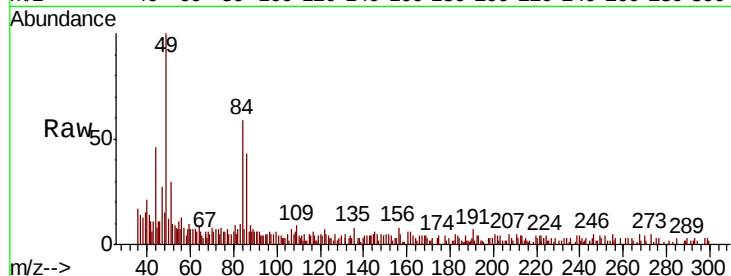




#20
Methvlene Chloride
Concen: 0.456 ug/l
RT: 2.83 min Scan# 319
Delta R.T. -0.00 min
Lab File: VX015708.D
Acq: 16 Apr 2020 13:44

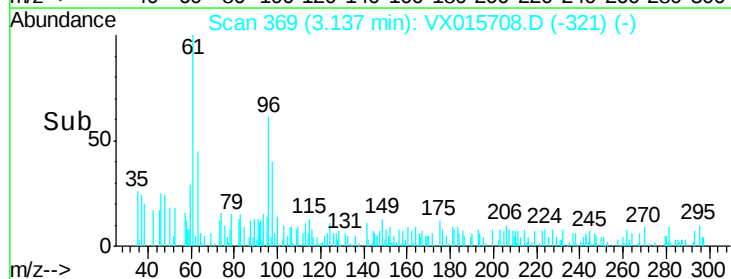
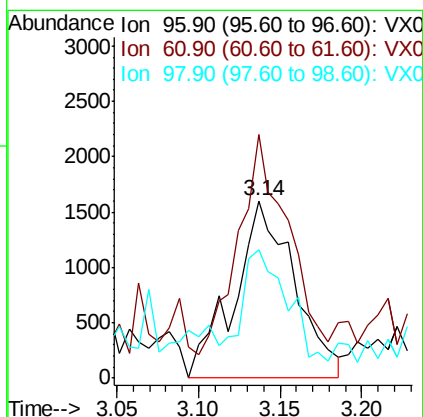
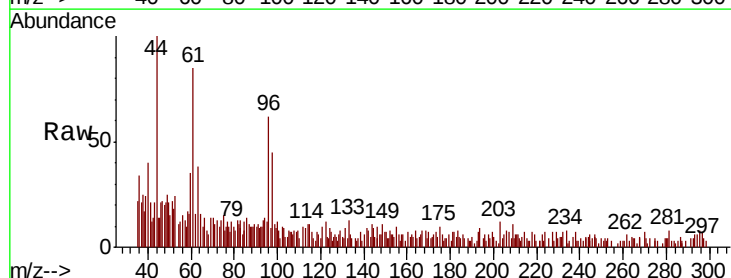
Instrument :
MSVOA_X
ClientSampleId :
SS037MW302-200408DL

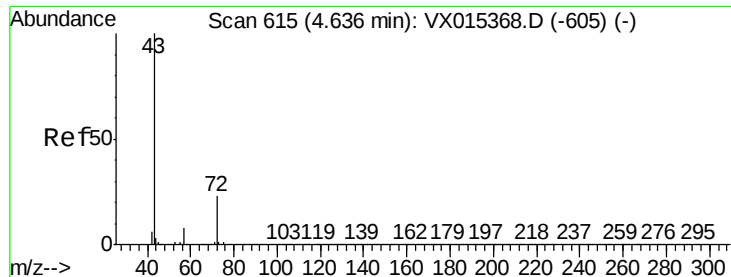
Tot Ion:	84	Resp:	4971
Ion	Ratio	Lower	Upper
84	100		
49	165.9	111.3	166.9
51	45.9	34.0	51.0
86	68.8	52.5	78.7



#21
trans-1,2-Dichloroethene
Concen: 0.407 ug/l
RT: 3.14 min Scan# 369
Delta R.T. -0.01 min
Lab File: VX015708.D
Acq: 16 Apr 2020 13:44

Tgt Ion:	96	Resp:	4108
Ion	Ratio	Lower	Upper
96	100		
61	119.6	116.9	175.3
98	70.1	48.6	73.0





#25

2-Butanone

Concen: 0.369 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.04 min

Lab File: VX015708.D

Acq: 16 Apr 2020 13:44

Instrument :

MSVOA_X

ClientSampleId :

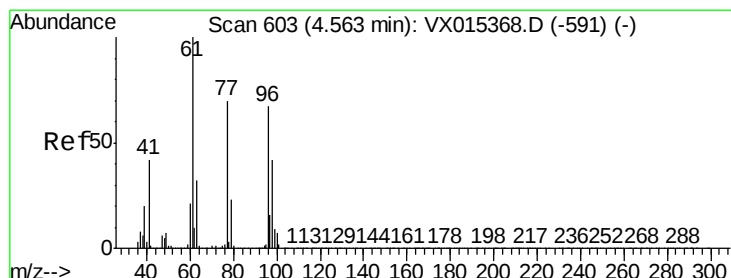
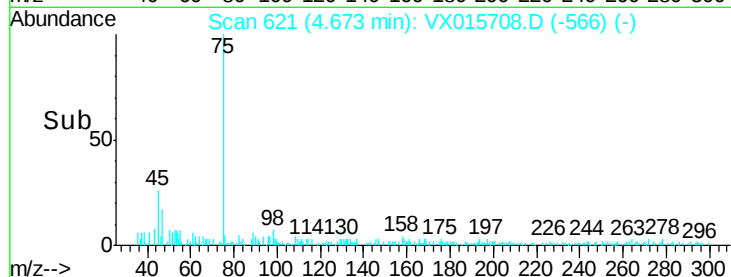
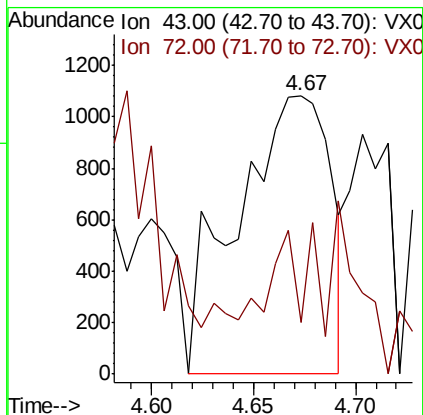
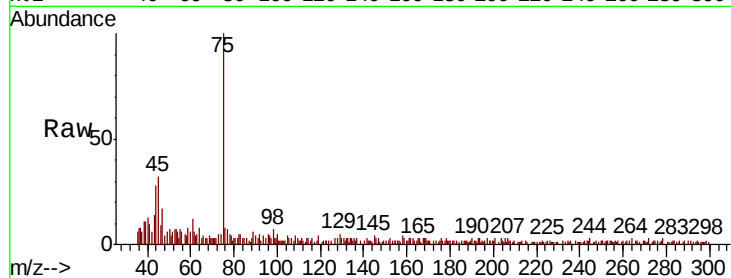
SS037MW302-200408DL

Tot Ion: 43 Resp: 3458

Ion Ratio Lower Upper

43 100

72 0.0 19.0 28.4#



#27

cis-1,2-Dichloroethene

Concen: 11.670 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX015708.D

Acq: 16 Apr 2020 13:44

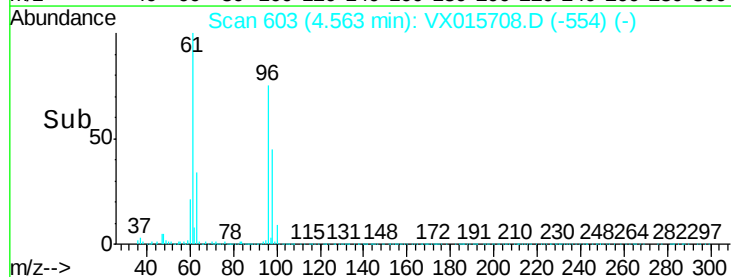
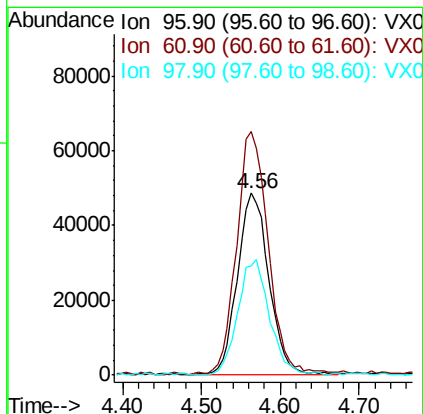
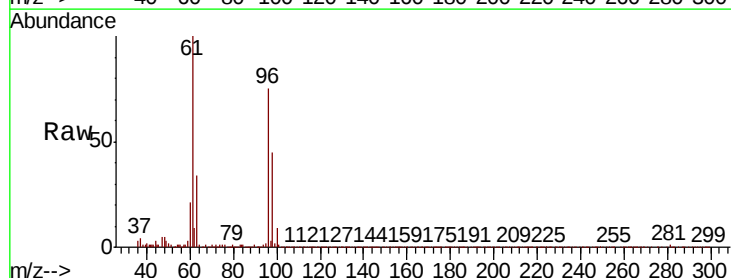
Tgt Ion: 96 Resp: 136227

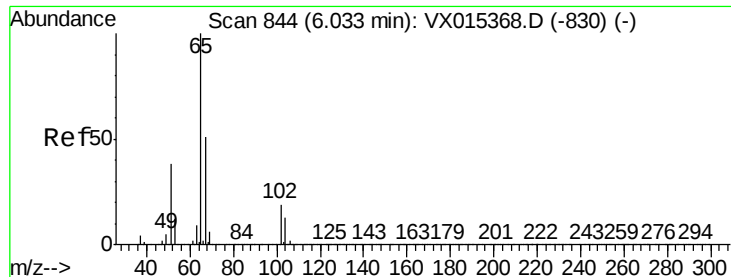
Ion Ratio Lower Upper

96 100

61 133.4 0.0 308.4

98 63.8 0.0 129.2





#33

1,2-Dichloroethane-d4

Concen: 43.676 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015708.D

Acq: 16 Apr 2020 13:44

Instrument :

MSVOA_X

ClientSampleId :

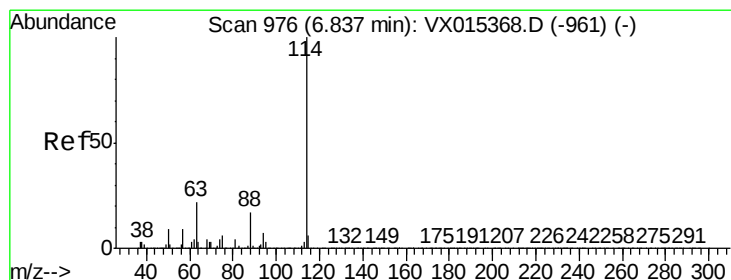
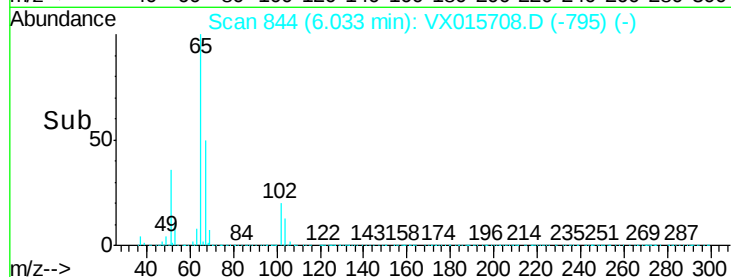
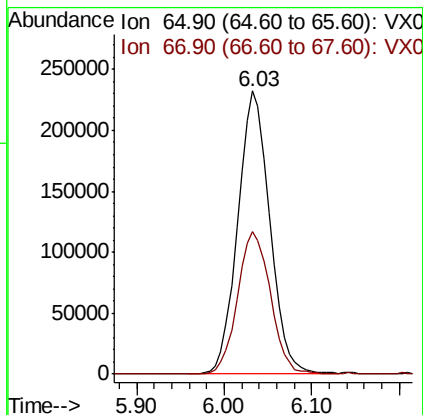
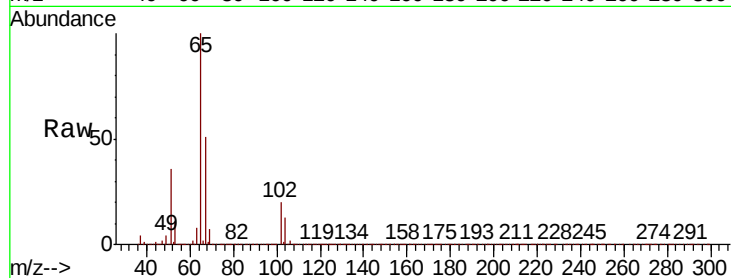
SS037MW302-200408DL

Tot Ion: 65 Resp: 593174

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015708.D

Acq: 16 Apr 2020 13:44

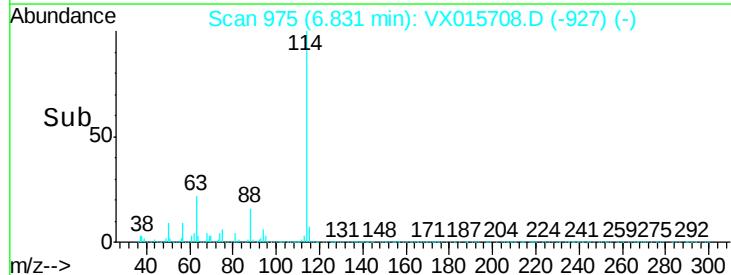
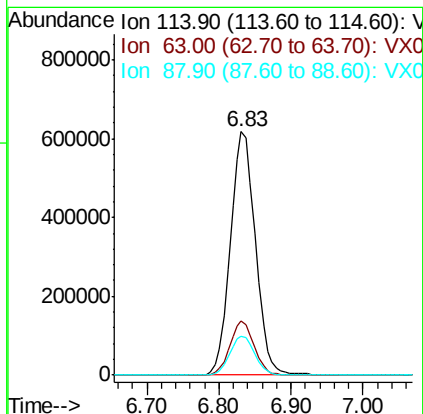
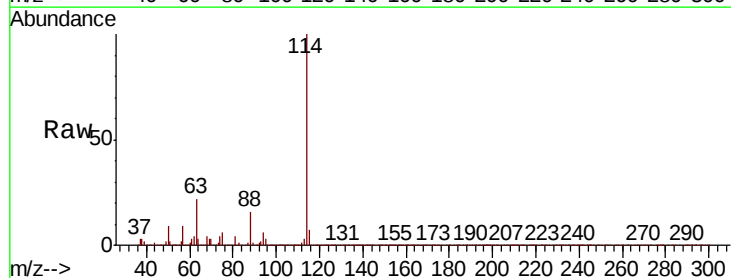
Tgt Ion: 114 Resp: 1492689

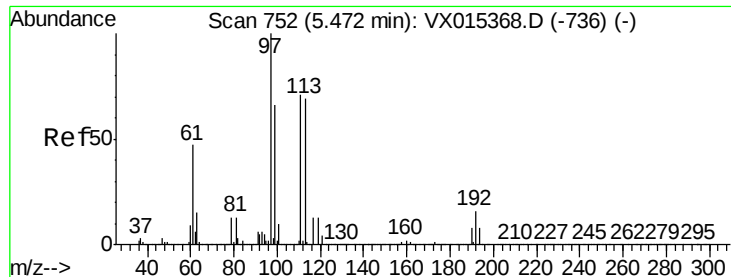
Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.2

88 15.7 0.0 33.8

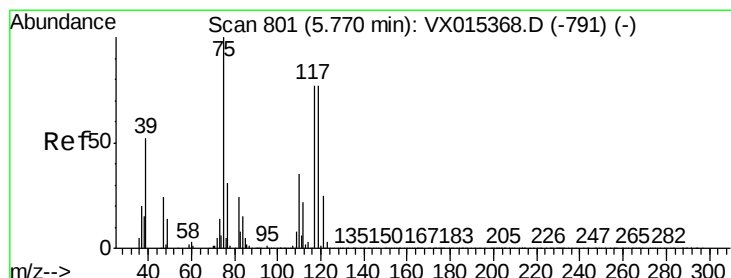
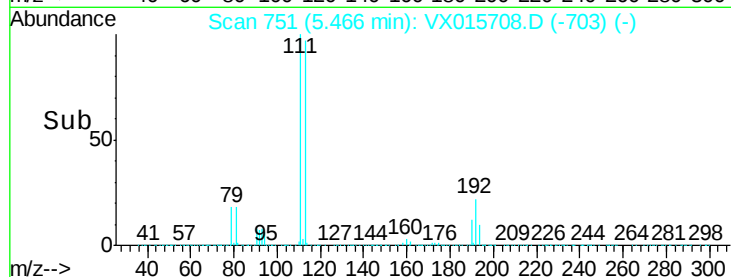
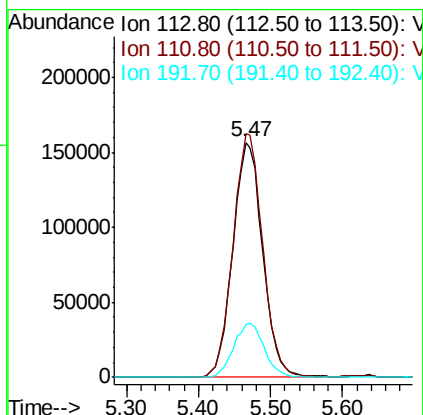
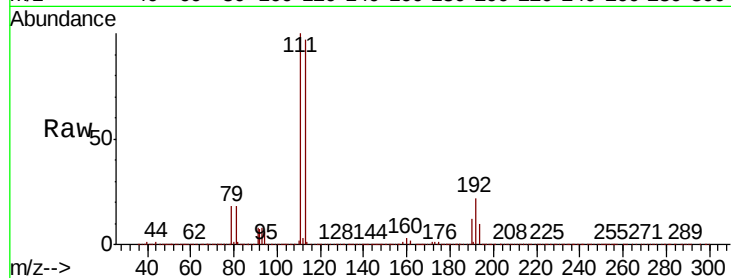




#35
Dibromofluoromethane
Concen: 47.155 ug/l
RT: 5.47 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX015708.D
Acq: 16 Apr 2020 13:44

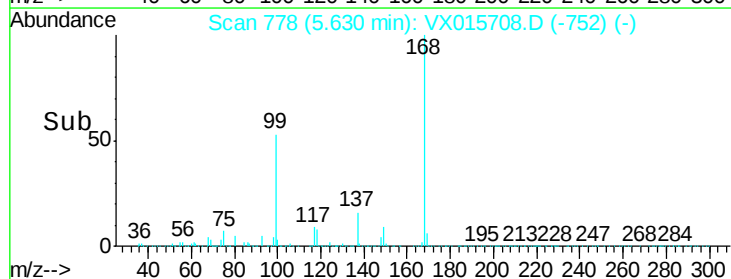
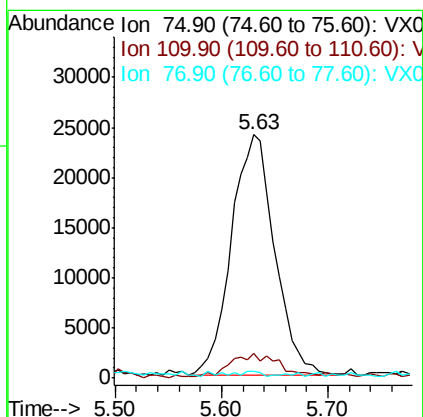
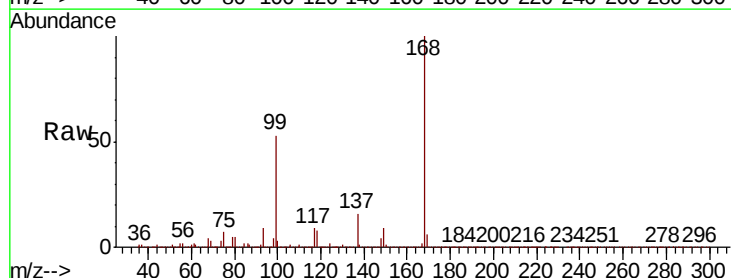
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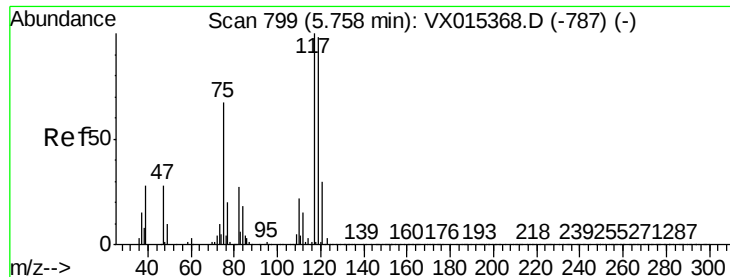
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.5	122.3
192	23.6	17.8	26.6



#36
1,1-Dichloropropene
Concen: 4.954 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.14 min
Lab File: VX015708.D
Acq: 16 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.8	17.1	51.3#
77	0.9	24.6	36.8#

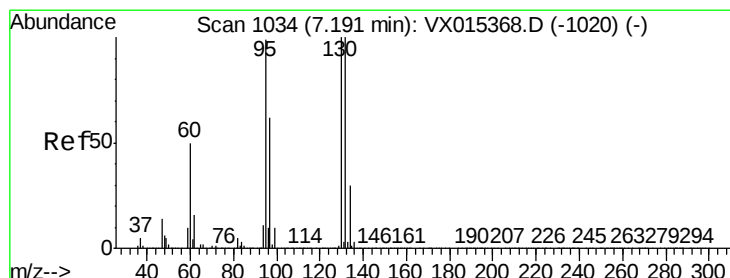
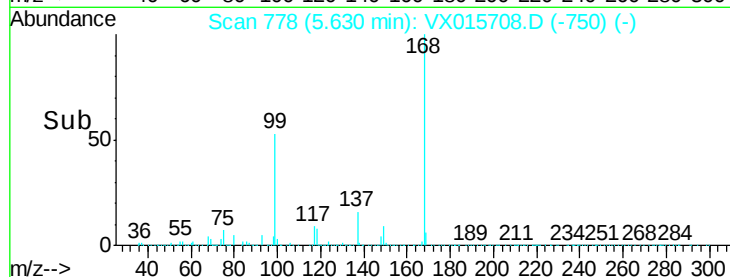
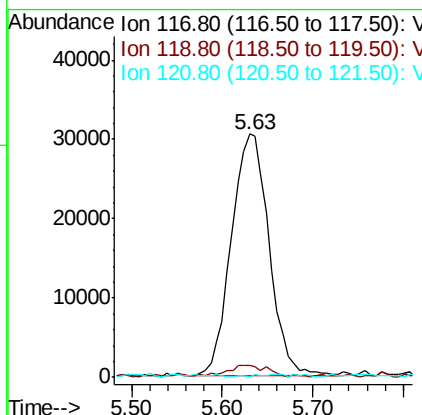
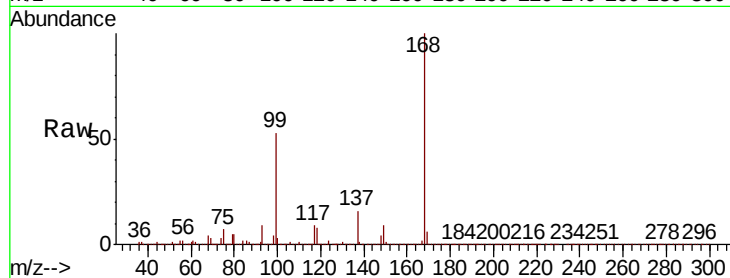




#38
Carbon Tetrachloride
Concen: 5.865 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.13 min
Lab File: VX015708.D
Acq: 16 Apr 2020 13:44

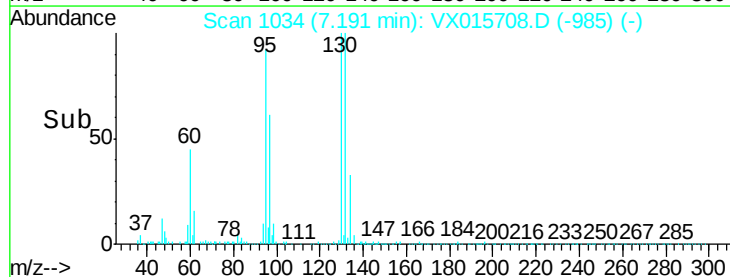
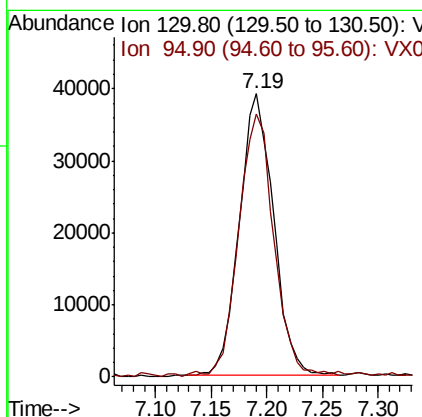
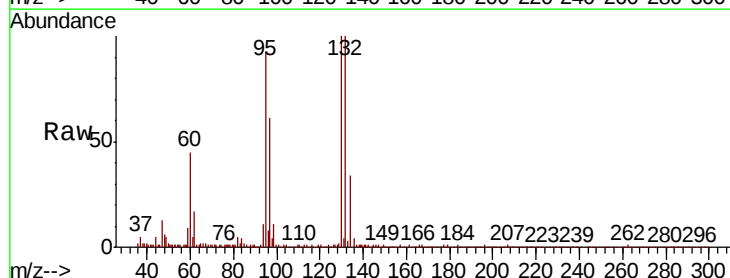
Instrument :
MSVOA_X
ClientSampleId :
SS037MW302-200408DL

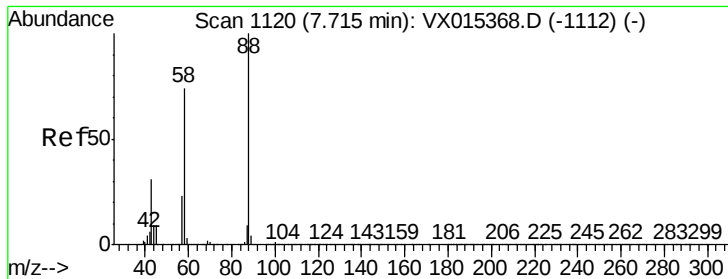
Tot Ion:117 Resp: 87367
Ion Ratio Lower Upper
117 100
119 4.0 78.0 117.0#
121 0.0 23.8 35.8#



#44
Trichloroethene
Concen: 7.635 ug/l
RT: 7.19 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX015708.D
Acq: 16 Apr 2020 13:44

Tgt Ion:130 Resp: 83893
Ion Ratio Lower Upper
130 100
95 92.3 0.0 199.0





#49

1,4-Dioxane

Concen: 1.878 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VX015708.D

Acq: 16 Apr 2020 13:44

Instrument :

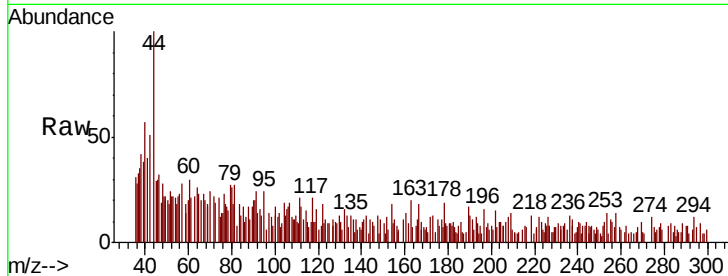
MSVOA_X

ClientSampleId :

SS037MW302-200408DL

Tot Ion: 88 Resp: 529

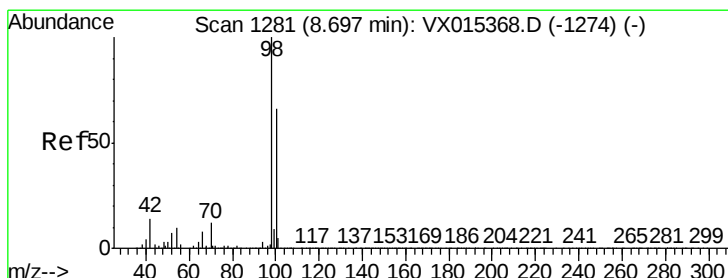
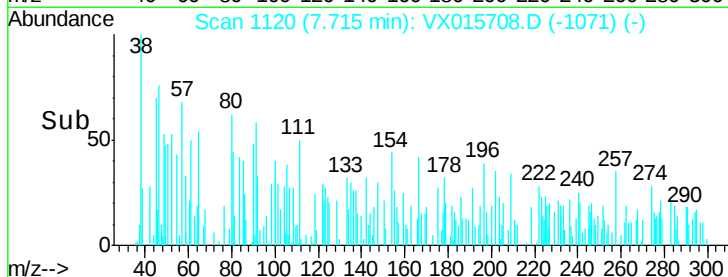
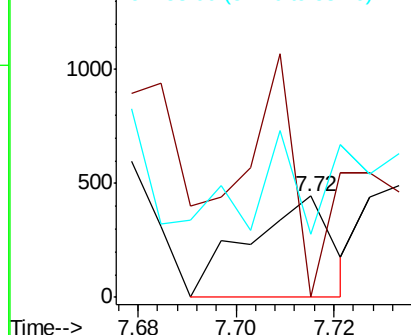
Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	87.5	60.6	90.8



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: 51.158 ug/l

RT: 8.70 min Scan# 1281

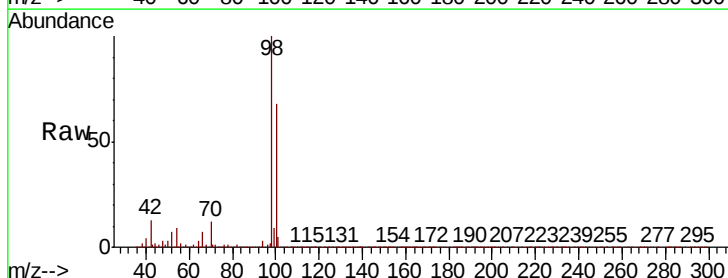
Delta R.T. -0.00 min

Lab File: VX015708.D

Acq: 16 Apr 2020 13:44

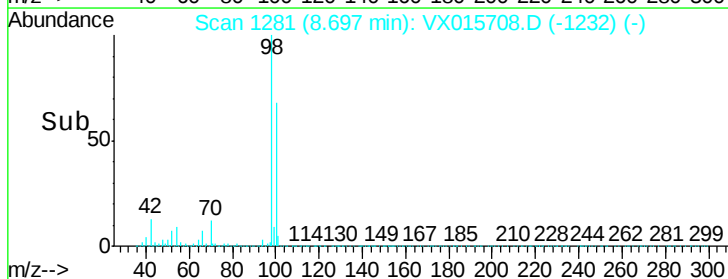
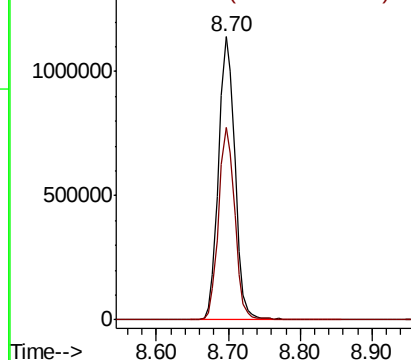
Tgt Ion: 98 Resp: 1797161

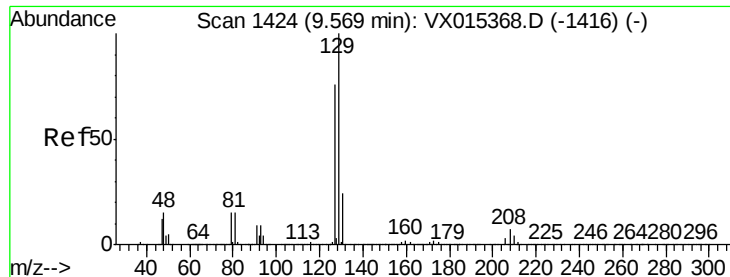
Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.5	80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 68.176 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.25 min

Lab File: VX015708.D

Acq: 16 Apr 2020 13:44

Instrument :

MSVOA_X

ClientSampleId :

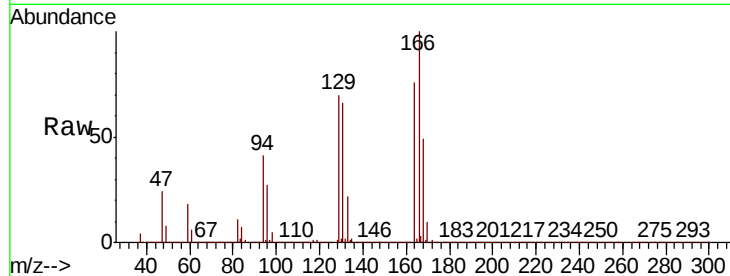
SS037MW302-200408DL

Tot Ion:129 Resp: 833679

Ion Ratio Lower Upper

129 100

127 0.1 38.2 114.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

600000

400000

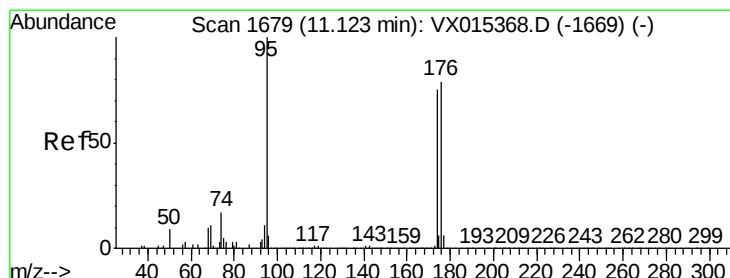
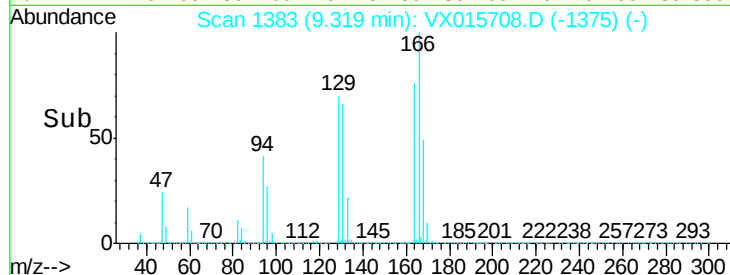
200000

0

9.32

9.20 9.30 9.40

Time-->



#62

4-Bromofluorobenzene

Concen: 53.875 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015708.D

Acq: 16 Apr 2020 13:44

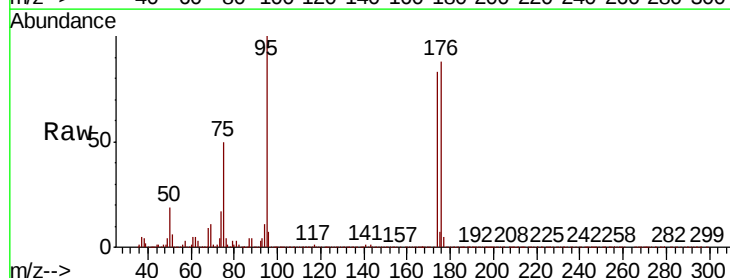
Tgt Ion: 95 Resp: 769164

Ion Ratio Lower Upper

95 100

174 82.3 0.0 158.6

176 84.7 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

800000

600000

400000

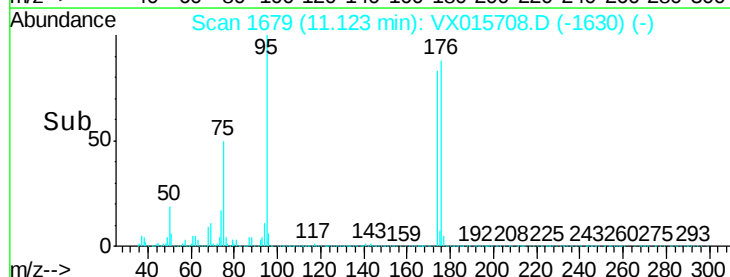
200000

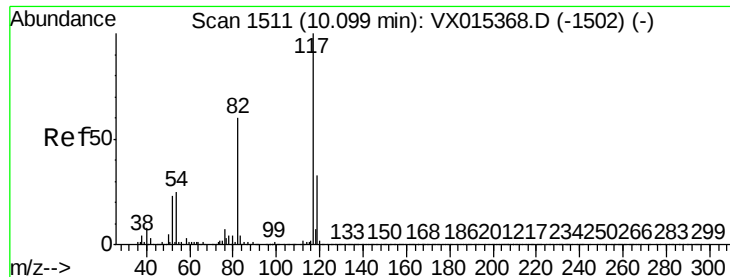
0

11.12

11.10 11.20

Time-->

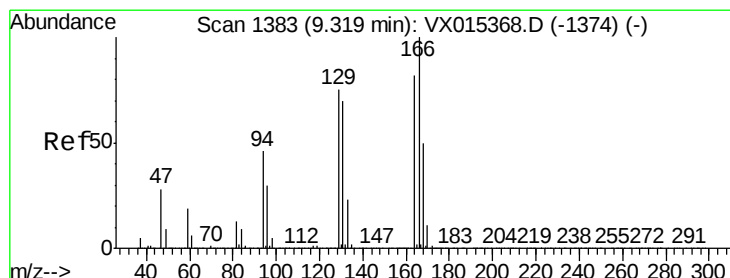
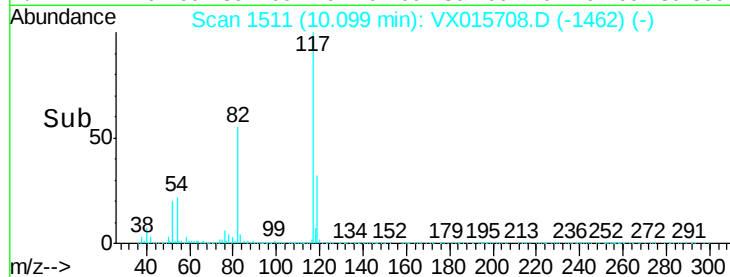
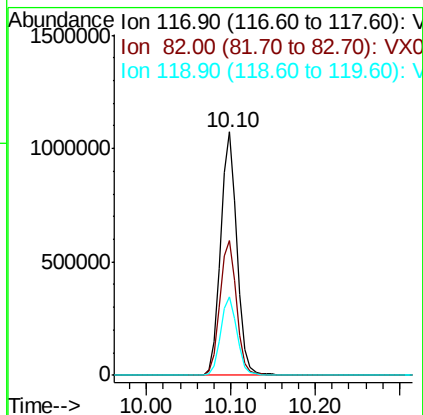
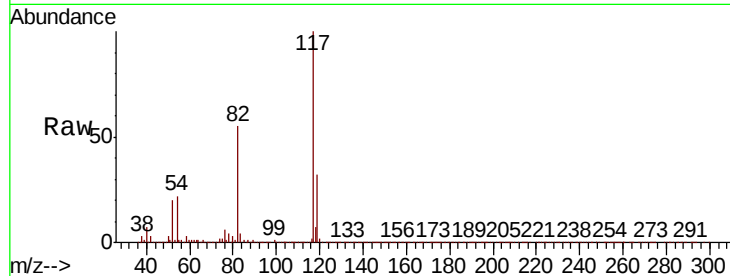




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015708.D
Acq: 16 Apr 2020 13:44

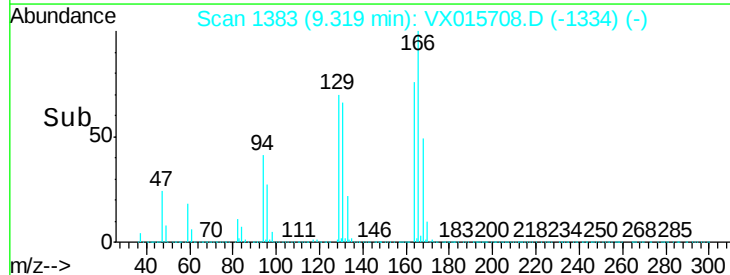
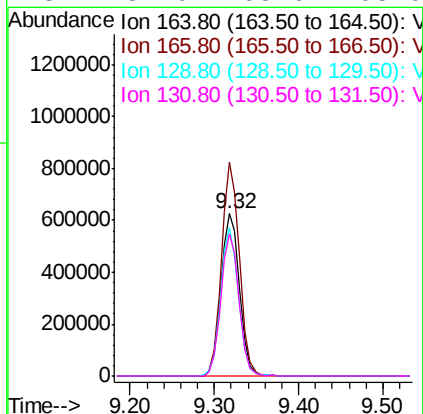
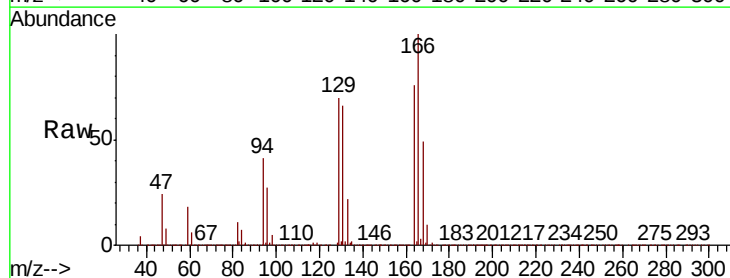
Instrument :
MSVOA_X
ClientSampleId :
SS037MW302-200408DL

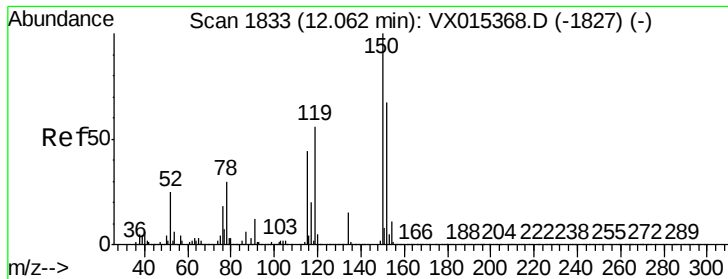
Tot Ion:117 Resp: 1442972
Ion Ratio Lower Upper
117 100
82 55.4 47.8 71.8
119 32.4 26.8 40.2



#64
Tetrachloroethene
Concen: 87.045 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX015708.D
Acq: 16 Apr 2020 13:44

Tgt Ion:164 Resp: 947901
Ion Ratio Lower Upper
164 100
166 131.4 97.8 146.6
129 91.7 73.0 109.4
131 87.0 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: VX015708.D

Acq: 16 Apr 2020 13:44

Instrument :

MSVOA_X

ClientSampleId :

SS037MW302-200408DL

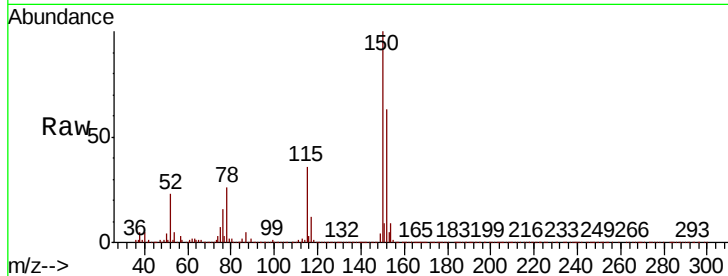
Tot Ion:152 Resp: 805936

Ion Ratio Lower Upper

152 100

115 57.3 39.0 116.9

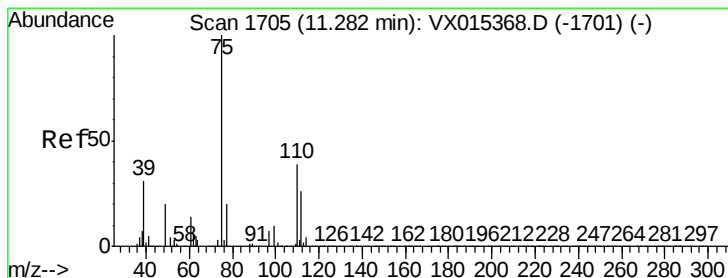
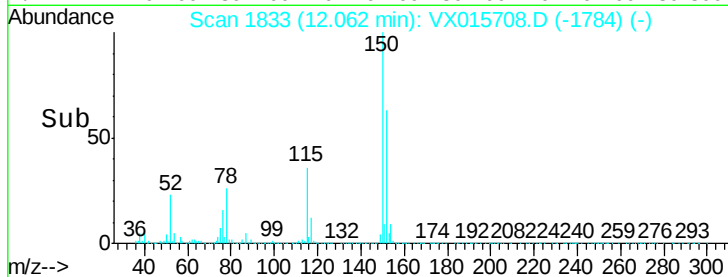
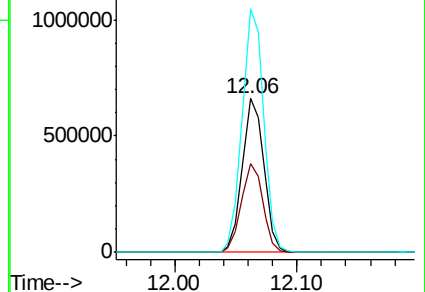
150 158.2 0.0 340.8



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: 23.067 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015708.D

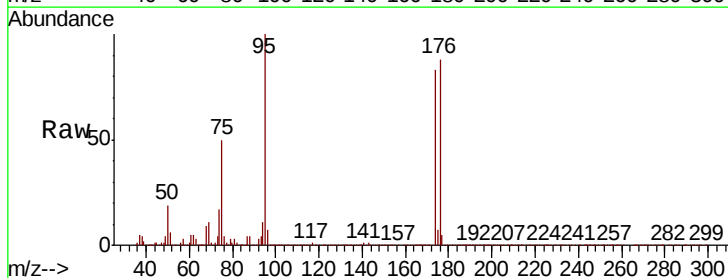
Acq: 16 Apr 2020 13:44

Tgt Ion: 75 Resp: 382293

Ion Ratio Lower Upper

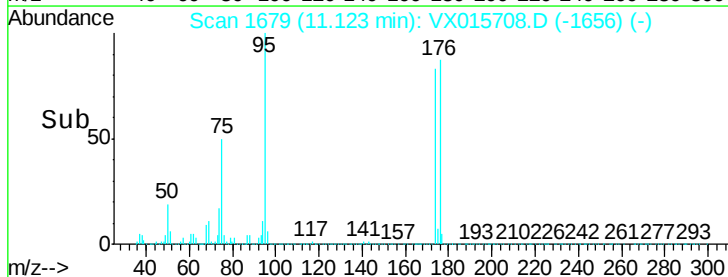
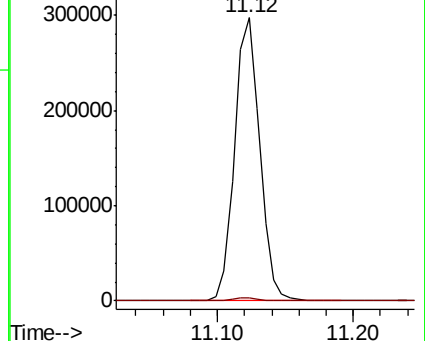
75 100

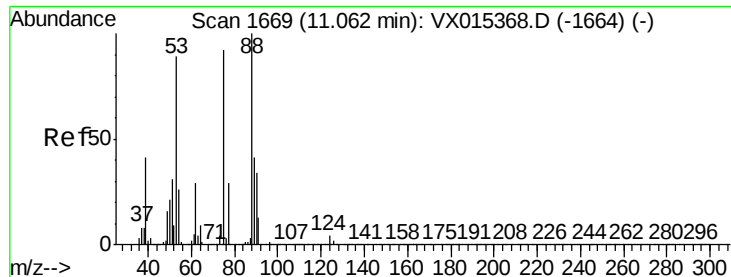
77 1.4 21.2 63.6#



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: 55.347 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.06 min
Lab File: VX015708.D
Acq: 16 Apr 2020 13:44

Instrument :
MSVOA_X
ClientSampleId :
SS037MW302-200408DL

Tot Ion: 75 Resp: 382293
Ion Ratio Lower Upper
75 100
53 0.3 80.1 120.1#
89 0.1 36.1 54.1#

