

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041520\
 Data File : VX015695.D
 Acq On : 15 Apr 2020 19:46
 Operator : JC/SP
 Sample : L2233-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW302-200408

Quant Time: Apr 16 06:00:42 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	1050133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1610040	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1556231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	851466	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	636651	42.99	ug/l	0.00
Spiked Amount			Recovery	=	85.98%	
35) Dibromofluoromethane	5.47	113	493230	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
50) Toluene-d8	8.70	98	1922596	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	11.12	95	797157	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	

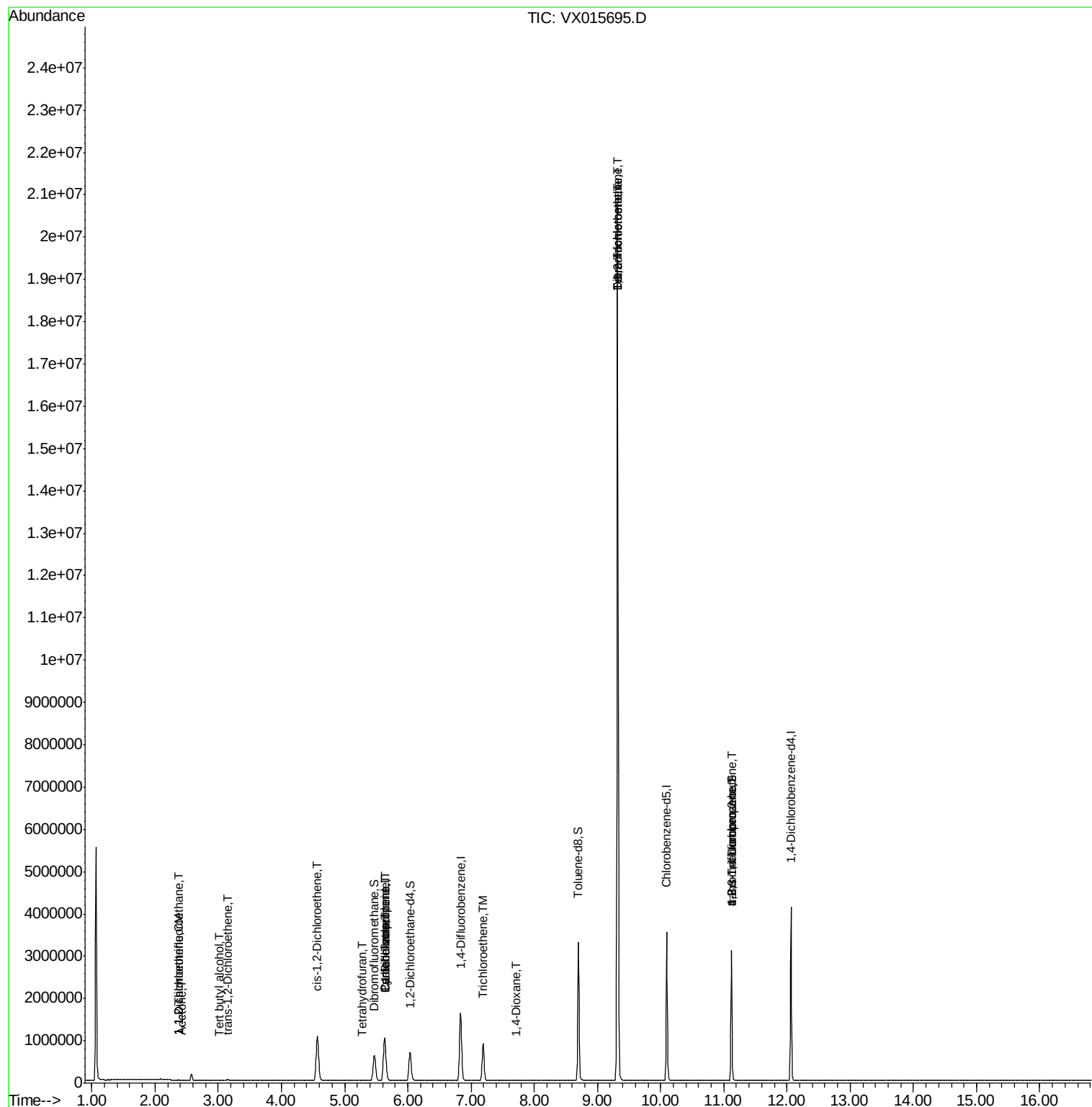
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.60	94	870	Below Cal	#	38
9) 1,1,2-Trichlorotrifluoroet	2.37	101	4081	0.431	ug/l #	82
11) Tert butyl alcohol	3.01	59	1349	0.381	ug/l #	43
12) 1,1-Dichloroethene	2.36	96	2133	0.215	ug/l #	72
16) Acetone	2.42	43	7857	1.235	ug/l #	69
21) trans-1,2-Dichloroethene	3.15	96	10519	0.956	ug/l	96
27) cis-1,2-Dichloroethene	4.57	96	671552	52.754	ug/l	89
29) Tetrahydrofuran	5.28	42	1435	0.218	ug/l	91
31) Cyclohexane	5.64	56	24030	1.282	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	71538	4.822	ug/l #	53
38) Carbon Tetrachloride	5.64	117	98438	6.126	ug/l #	14
44) Trichloroethene	7.19	130	345223	29.130	ug/l	98
49) 1,4-Dioxane	7.73	88	174	0.573	ug/l #	1
55) 1,1,2-Trichloroethane	9.32	97	34983	3.187	ug/l #	1
60) Dibromochloromethane	9.32	129	3757095	284.852	ug/l #	11
64) Tetrachloroethene	9.32	164	4421838	376.503	ug/l	94
76) 1,2,3-Trichloropropane	11.12	75	410470	23.442	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	409933	56.175	ug/l #	10

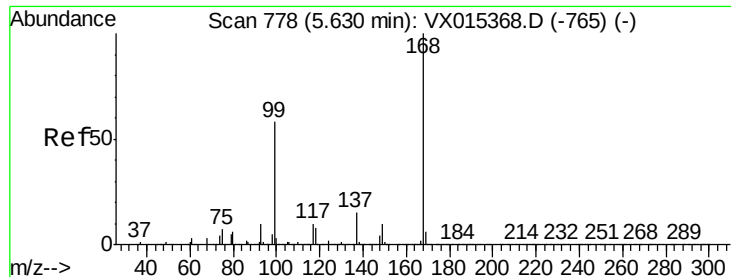
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX015695.D

Acq: 15 Apr 2020 19:46

Instrument :

MSVOA_X

ClientSampleId :

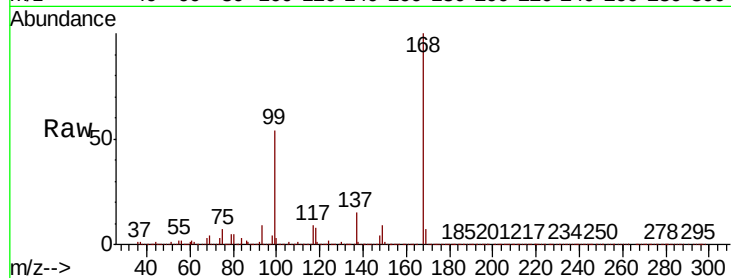
SS037MW302-200408

Tot Ion:168 Resp: 1050133

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

5.63

400000

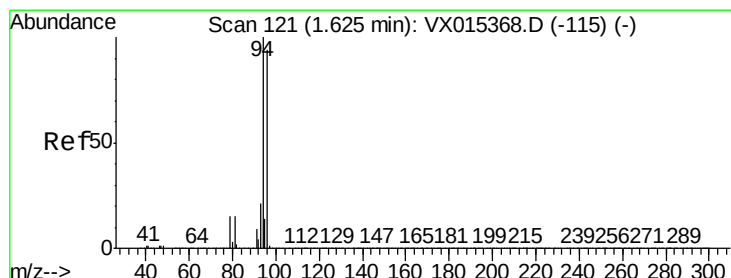
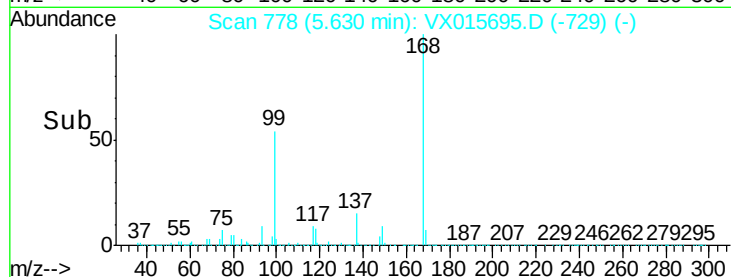
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.60 min Scan# 117

Delta R.T. -0.02 min

Lab File: VX015695.D

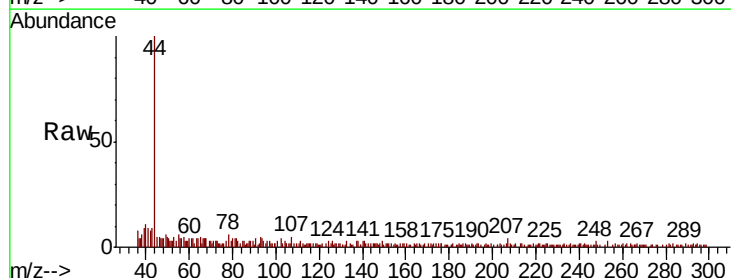
Acq: 15 Apr 2020 19:46

Tgt Ion: 94 Resp: 870

Ion Ratio Lower Upper

94 100

96 33.4 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.60

800

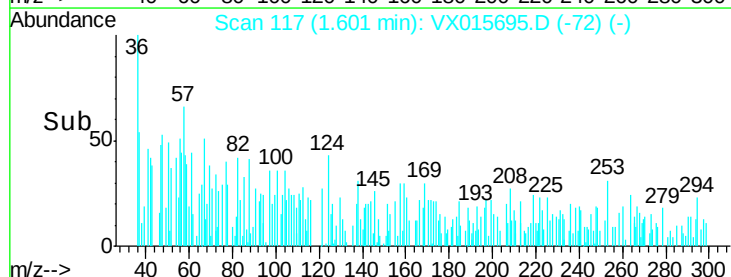
600

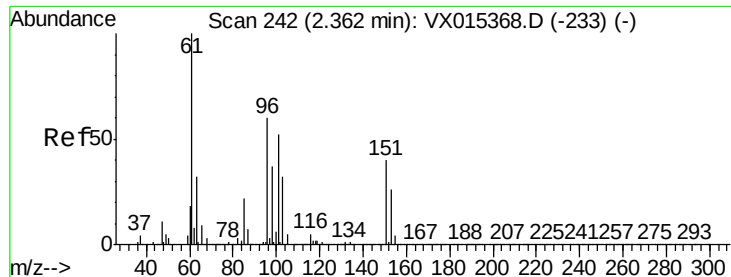
400

200

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.431 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX015695.D

Acq: 15 Apr 2020 19:46

Instrument :

MSVOA_X

ClientSampleId :

SS037MW302-200408

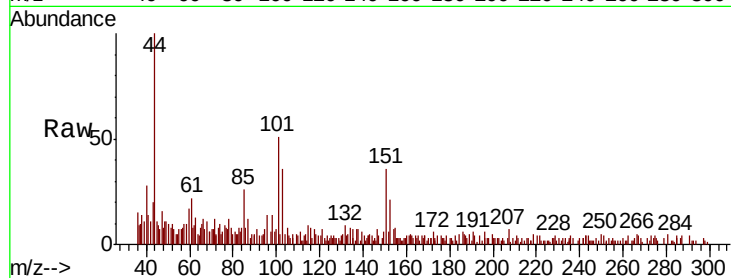
Tot Ion:101 Resp: 4081

Ion Ratio Lower Upper

101 100

85 32.2 35.0 52.4#

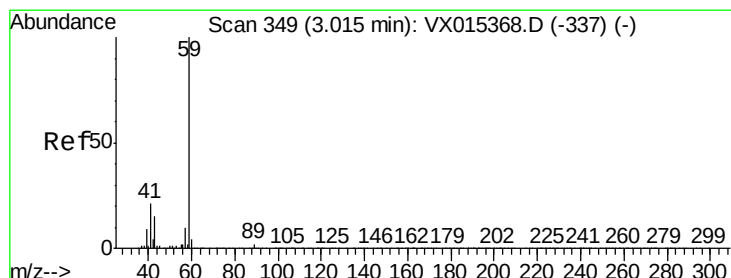
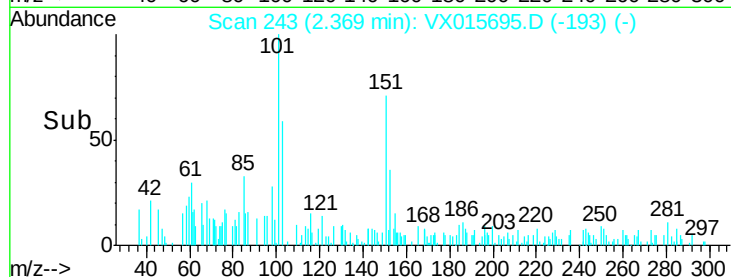
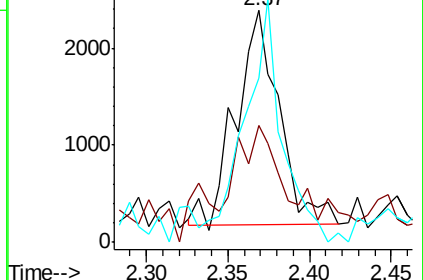
151 96.6 64.1 96.1#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 0.381 ug/l

RT: 3.01 min Scan# 349

Delta R.T. 0.00 min

Lab File: VX015695.D

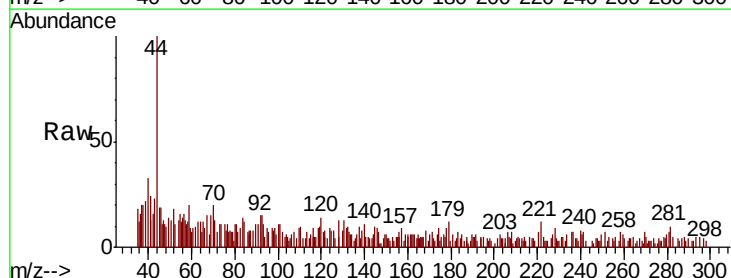
Acq: 15 Apr 2020 19:46

Tgt Ion: 59 Resp: 1349

Ion Ratio Lower Upper

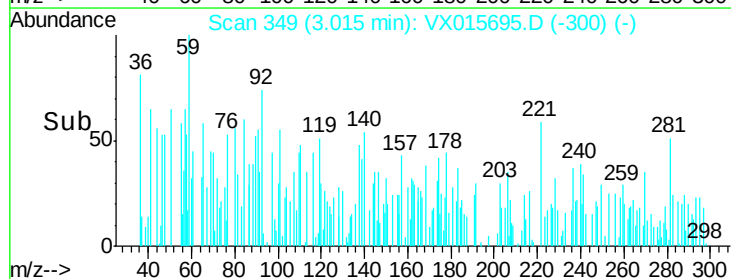
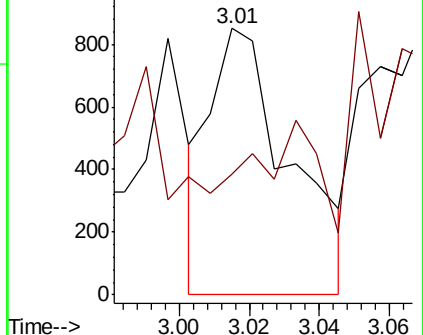
59 100

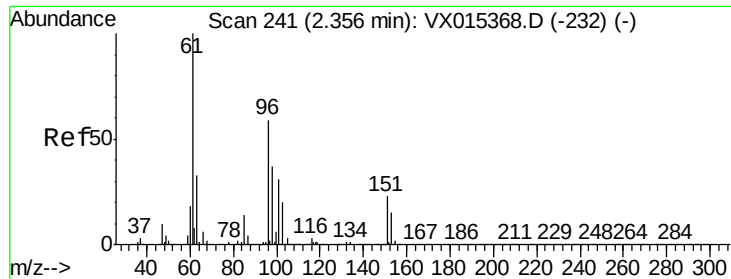
57 31.4 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.215 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.01 min

Lab File: VX015695.D

Acq: 15 Apr 2020 19:46

Instrument :

MSVOA_X

ClientSampleId :

SS037MW302-200408

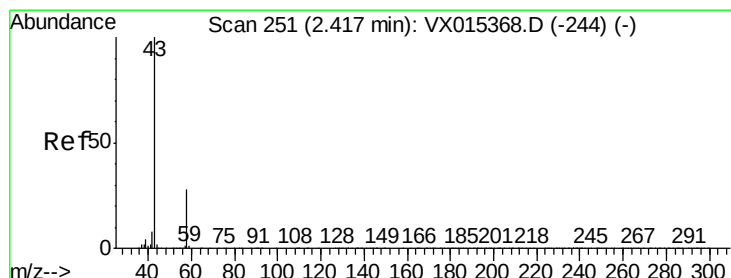
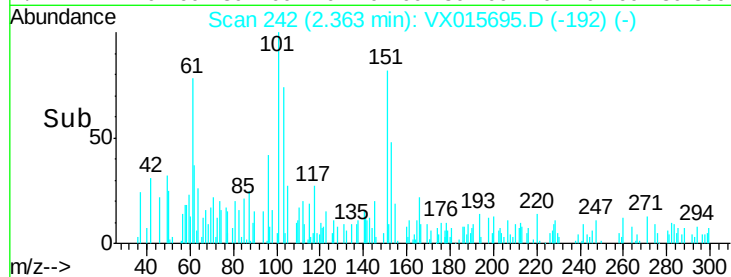
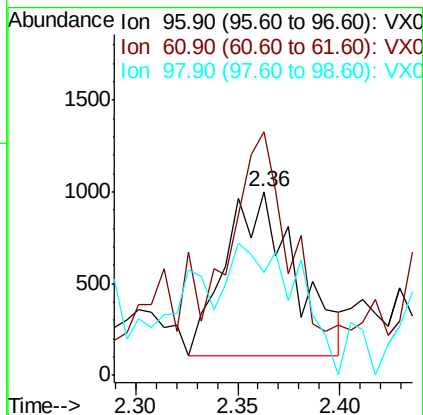
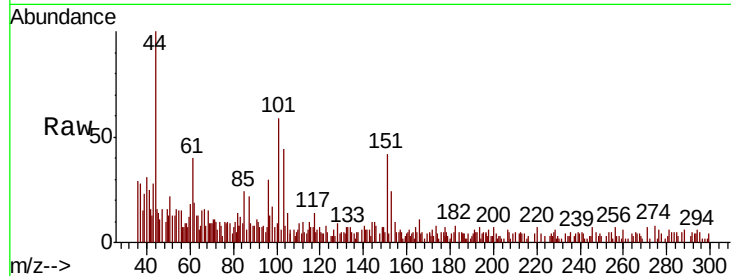
Tot Ion: 96 Resp: 2133

Ion Ratio Lower Upper

96 100

61 117.3 135.7 203.5#

98 62.3 50.6 75.8



#16

Acetone

Concen: 1.235 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015695.D

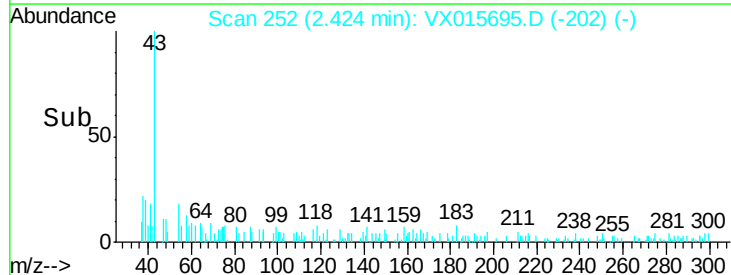
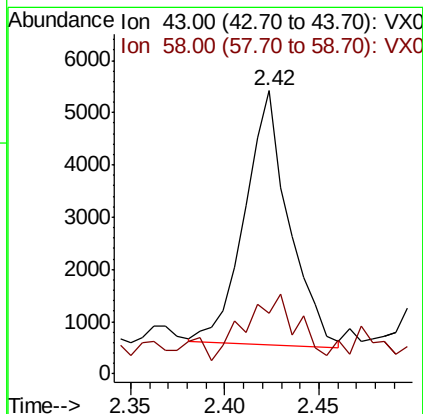
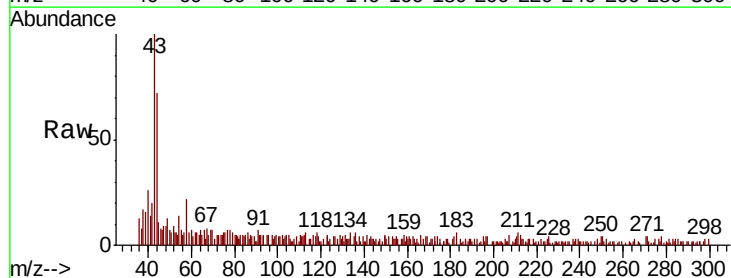
Acq: 15 Apr 2020 19:46

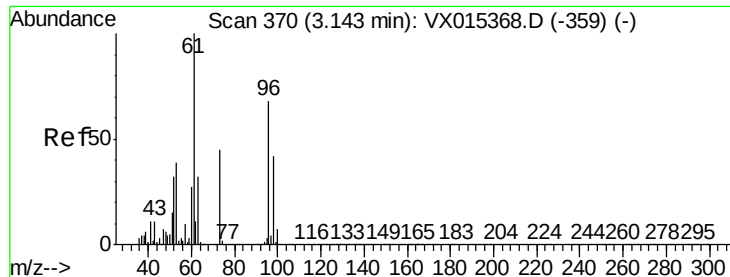
Tgt Ion: 43 Resp: 7857

Ion Ratio Lower Upper

43 100

58 11.6 22.1 33.1#





#21

trans-1,2-Dichloroethene

Concen: 0.956 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.01 min

Lab File: VX015695.D

Acq: 15 Apr 2020 19:46

Instrument :

MSVOA_X

ClientSampleId :

SS037MW302-200408

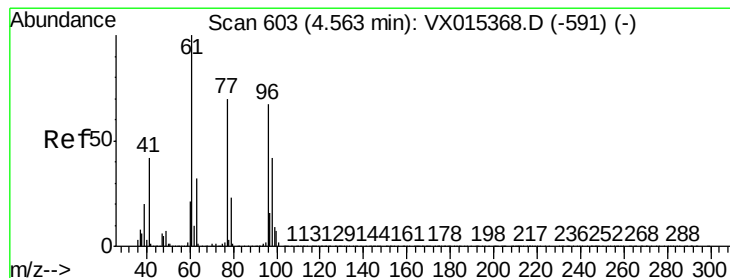
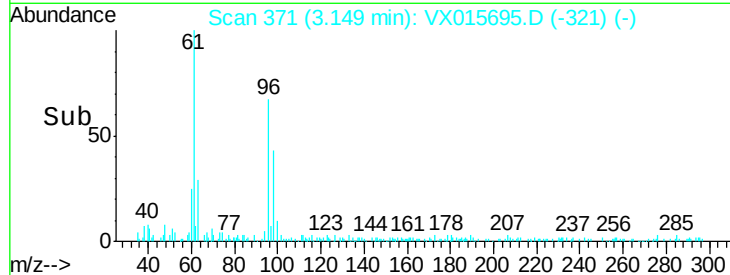
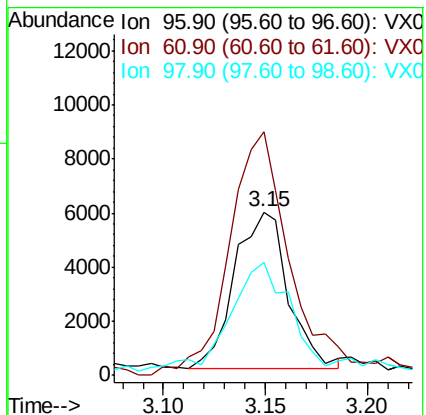
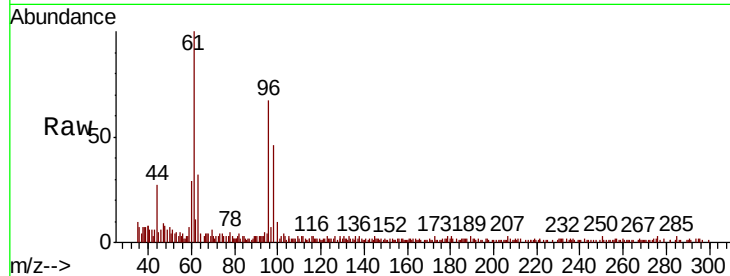
Tot Ion: 96 Resp: 10519

Ion Ratio Lower Upper

96 100

61 140.7 116.9 175.3

98 63.2 48.6 73.0



#27

cis-1,2-Dichloroethene

Concen: 52.754 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX015695.D

Acq: 15 Apr 2020 19:46

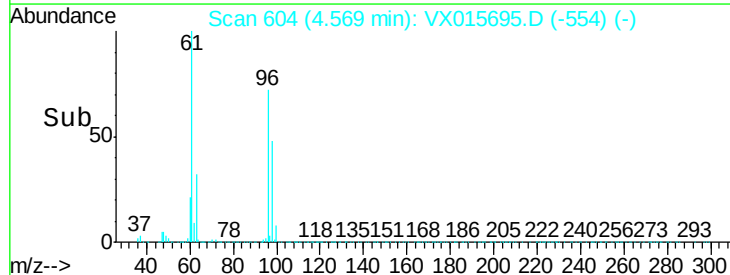
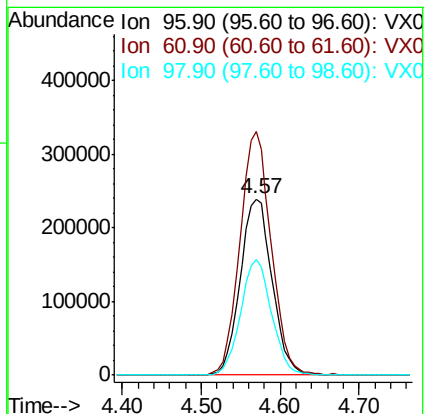
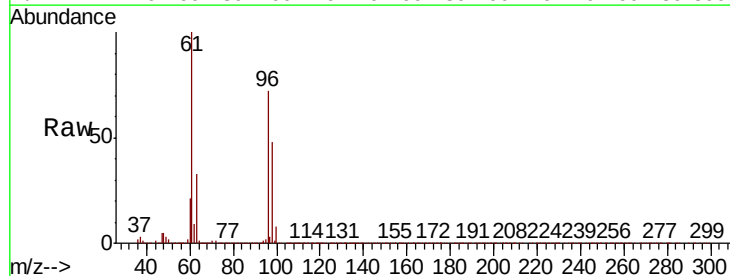
Tgt Ion: 96 Resp: 671552

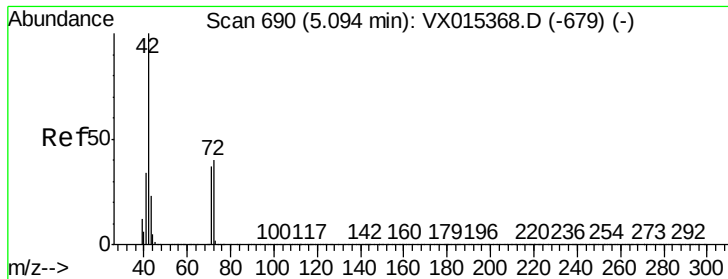
Ion Ratio Lower Upper

96 100

61 135.2 0.0 308.4

98 63.8 0.0 129.2

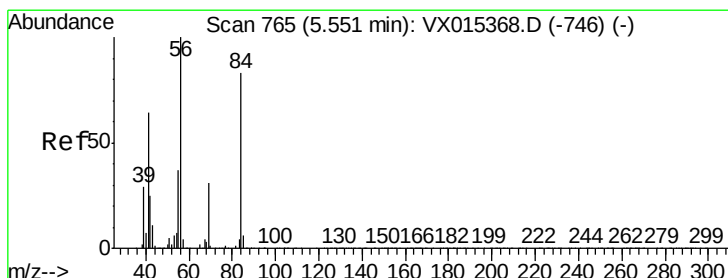
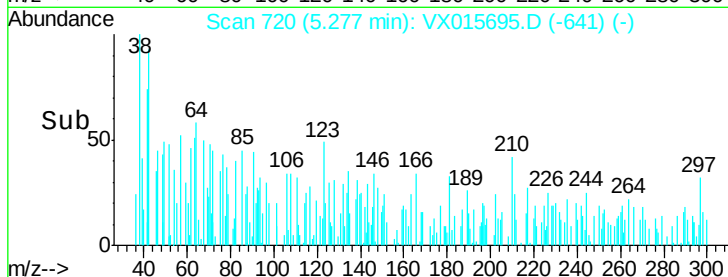
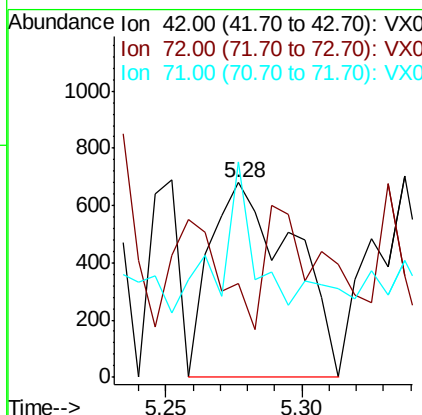
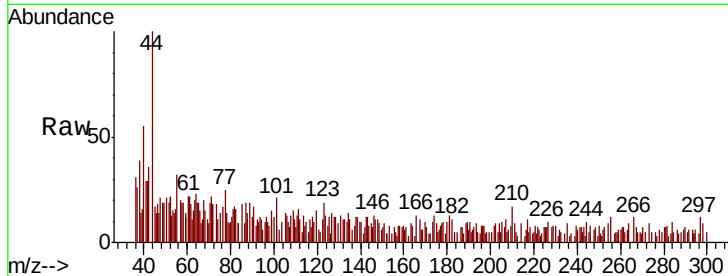




#29
Tetrahydrofuran
Concen: 0.218 ug/l
RT: 5.28 min Scan# 720
Delta R.T. 0.18 min
Lab File: VX015695.D
Acq: 15 Apr 2020 19:46

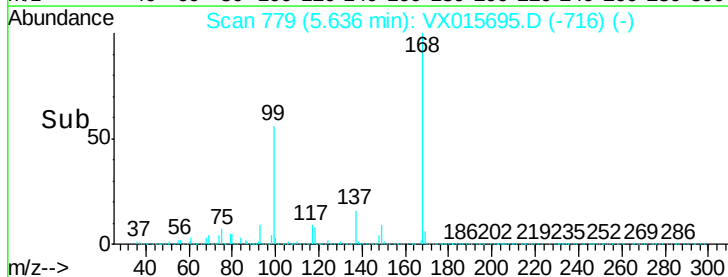
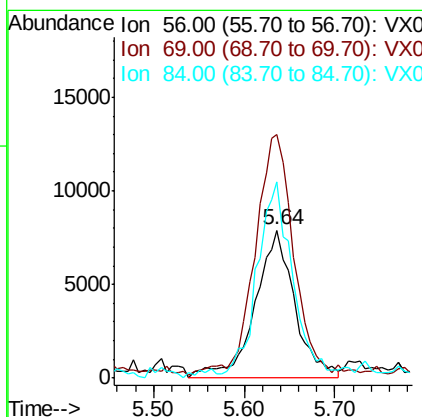
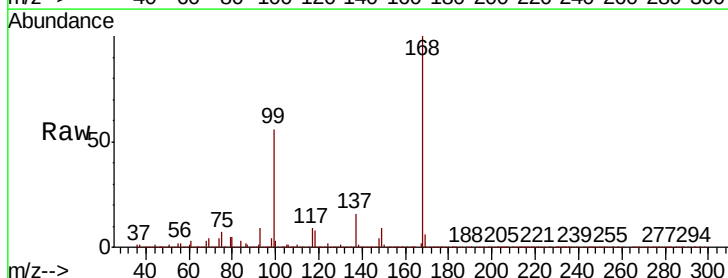
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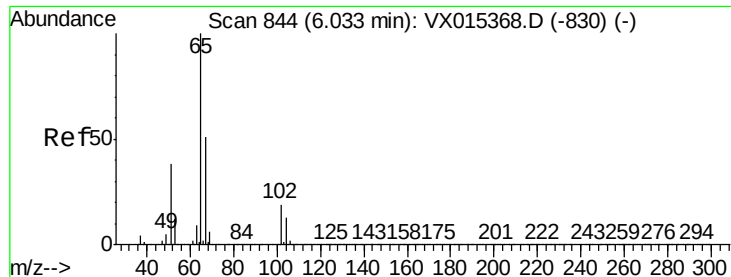
Tot Ion: 42 Resp: 1435
Ion Ratio Lower Upper
42 100
72 43.6 31.7 47.5
71 30.6 29.6 44.4



#31
Cyclohexane
Concen: 1.282 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.09 min
Lab File: VX015695.D
Acq: 15 Apr 2020 19:46

Tgt Ion: 56 Resp: 24030
Ion Ratio Lower Upper
56 100
69 171.0 24.6 36.8#
84 135.7 66.1 99.1#

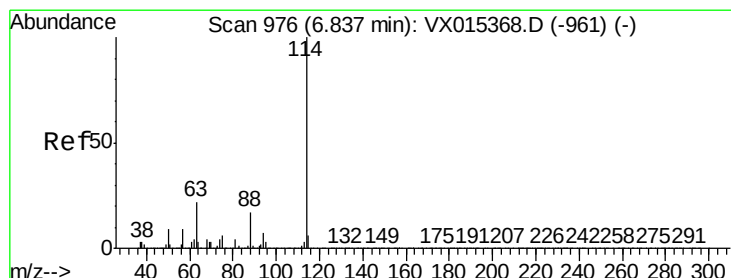
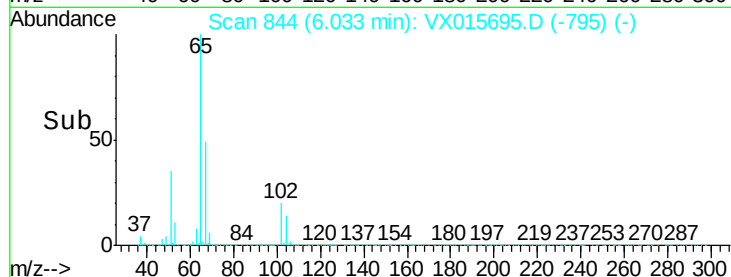
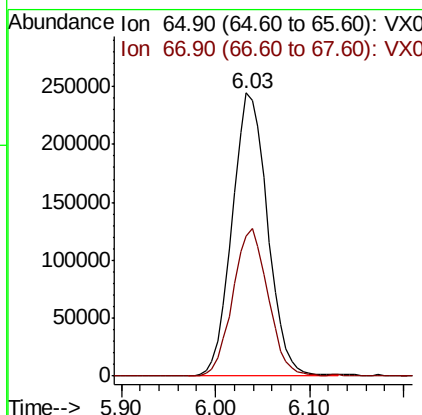
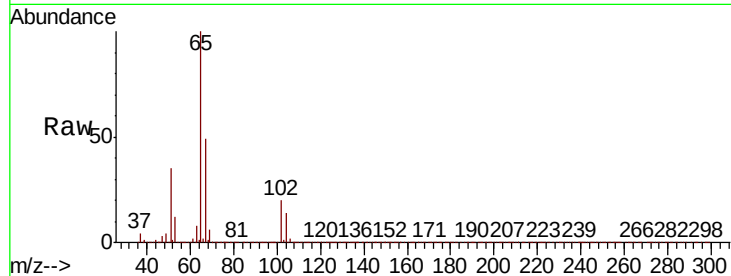




#33
 1,2-Dichloroethane-d4
 Concen: 42.985 ug/l
 RT: 6.03 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: VX015695.D
 Acq: 15 Apr 2020 19:46

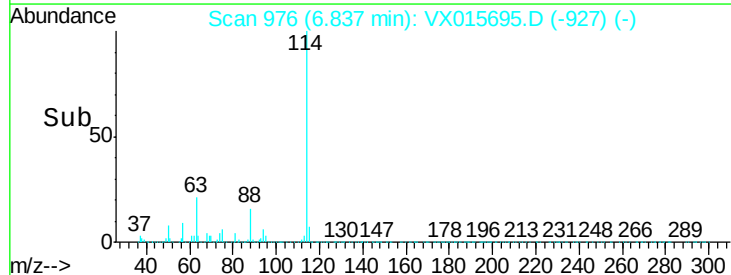
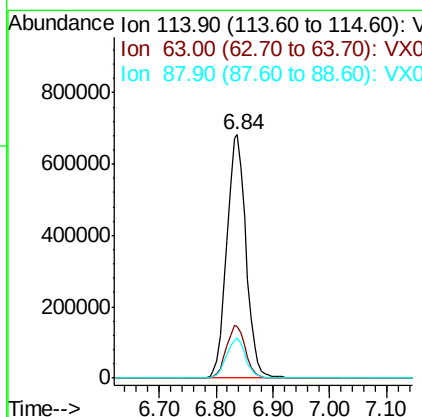
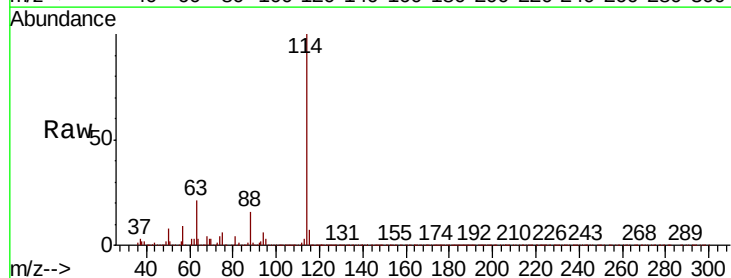
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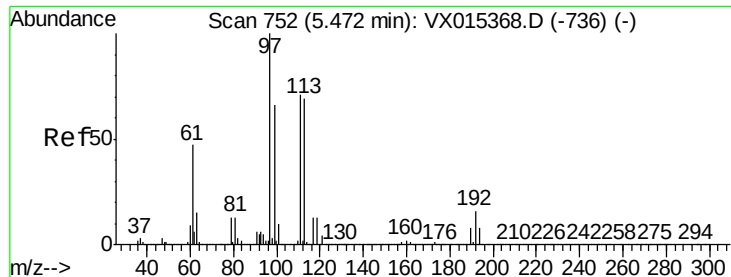
Tot Ion: 65 Resp: 636651
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015695.D
 Acq: 15 Apr 2020 19:46

Tgt Ion: 114 Resp: 1610040
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 44.2
 88 16.4 0.0 33.8

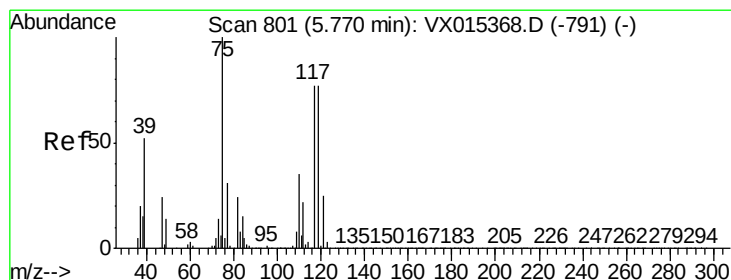
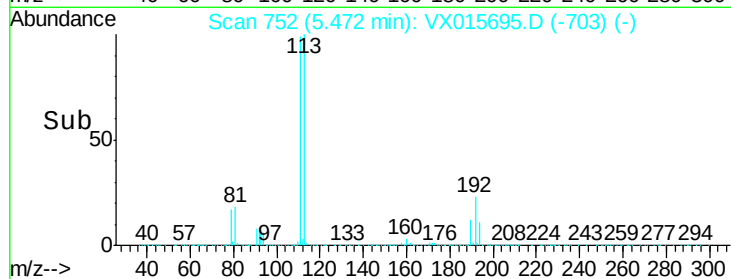
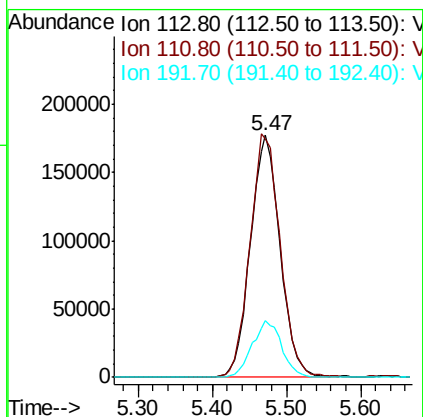
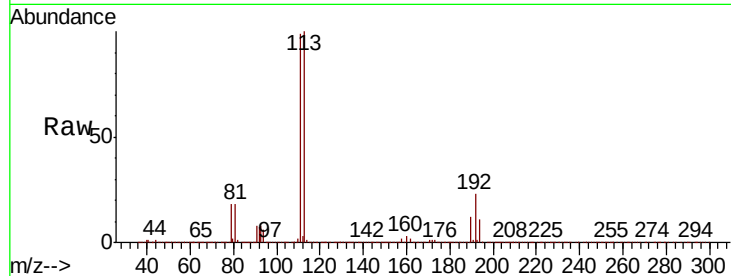




#35
 Dibromofluoromethane
 Concen: 47.924 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015695.D
 Acq: 15 Apr 2020 19:46

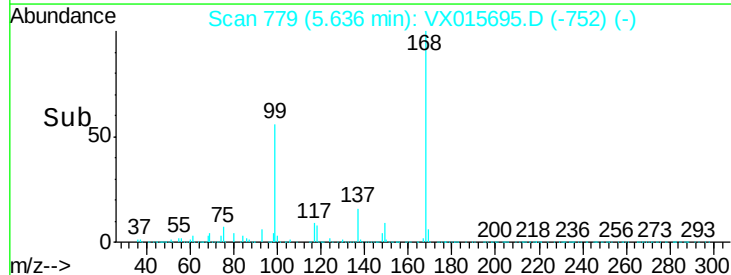
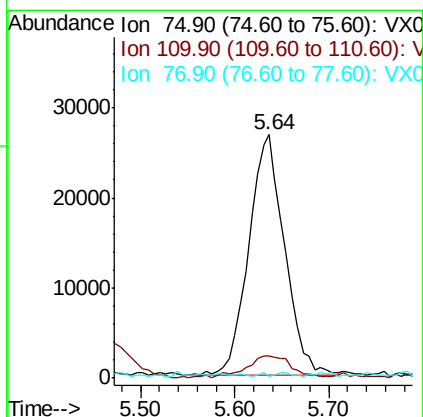
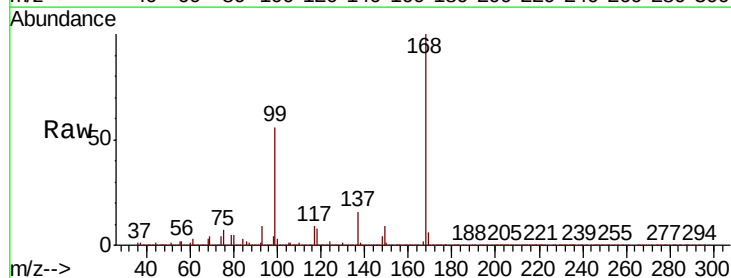
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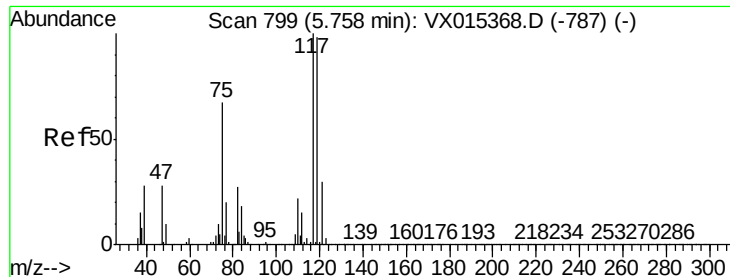
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.5	122.3
192	23.2	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.822 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015695.D
 Acq: 15 Apr 2020 19:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.7	17.1	51.3#
77	0.2	24.6	36.8#

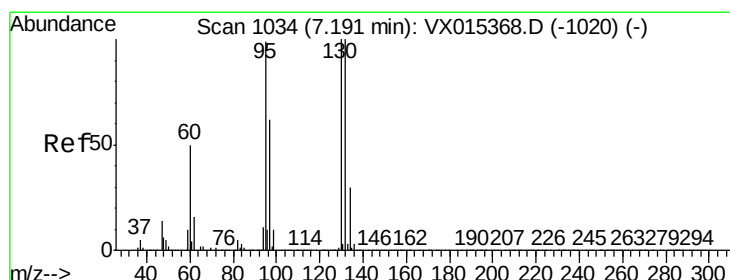
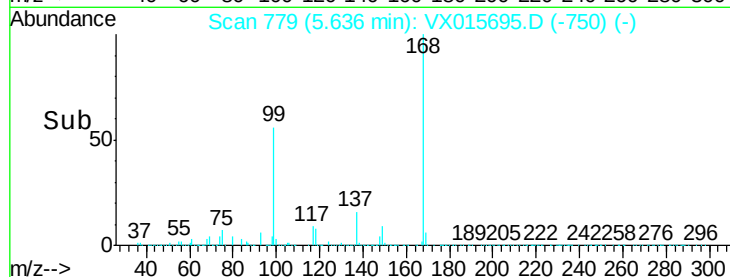
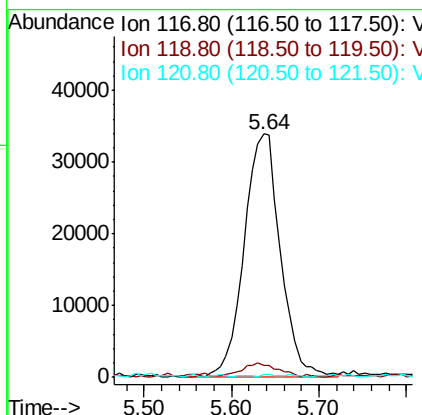
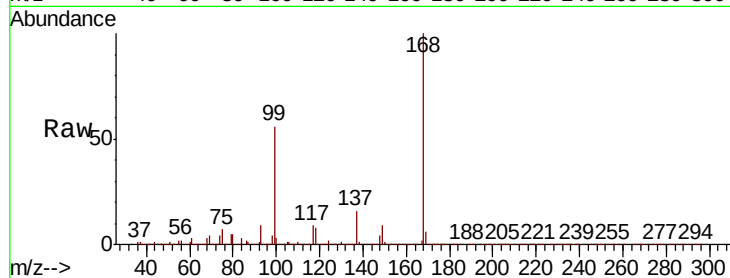




#38
Carbon Tetrachloride
Concen: 6.126 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.12 min
Lab File: VX015695.D
Acq: 15 Apr 2020 19:46

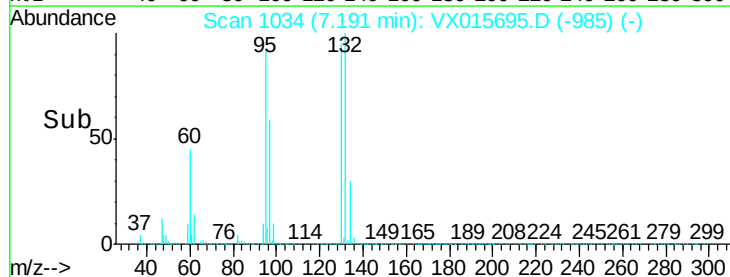
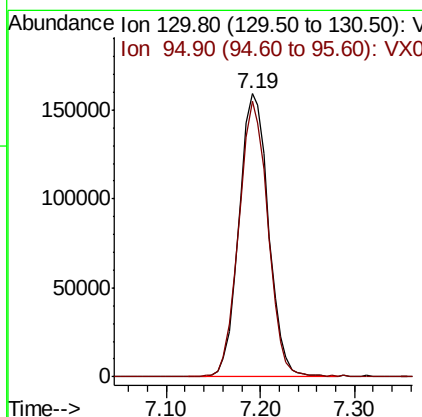
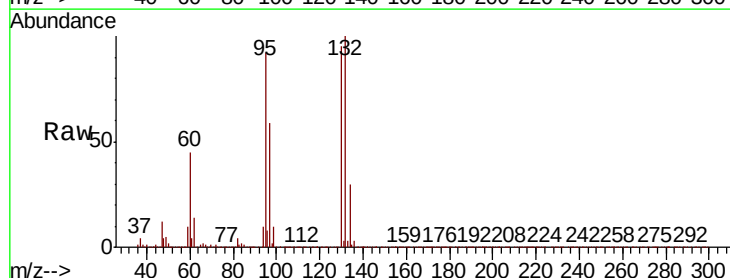
Instrument :
MSVOA_X
ClientSampleId :
SS037MW302-200408

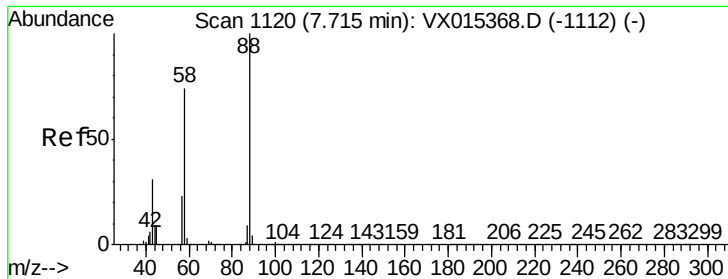
Tot Ion:117 Resp: 98438
Ion Ratio Lower Upper
117 100
119 3.7 78.0 117.0#
121 0.3 23.8 35.8#



#44
Trichloroethene
Concen: 29.130 ug/l
RT: 7.19 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX015695.D
Acq: 15 Apr 2020 19:46

Tgt Ion:130 Resp: 345223
Ion Ratio Lower Upper
130 100
95 97.3 0.0 199.0

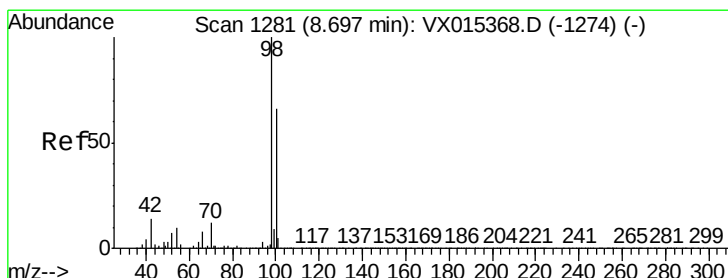
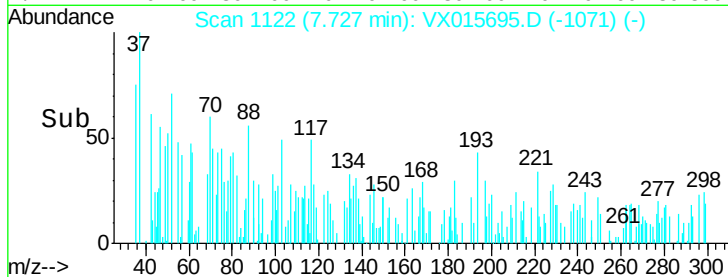
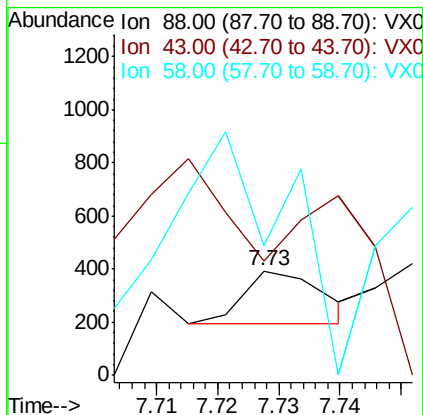
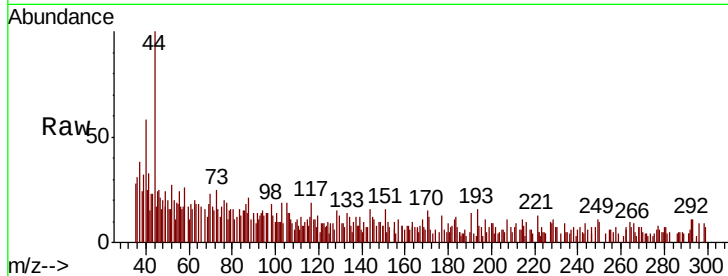




#49
1,4-Dioxane
Concen: 0.573 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VX015695.D
Acq: 15 Apr 2020 19:46

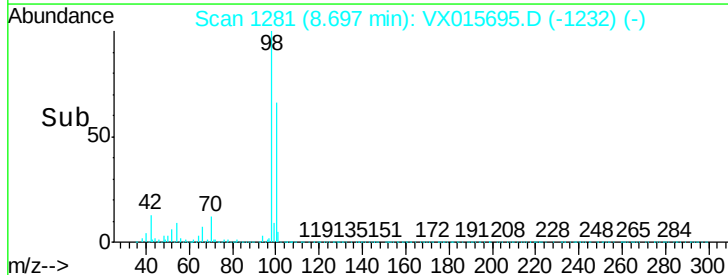
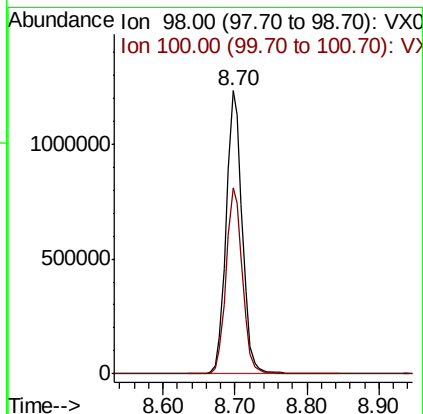
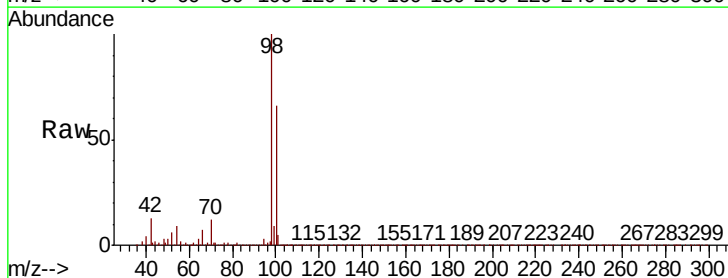
Instrument :
MSVOA_X
ClientSampleId :
SS037MW302-200408

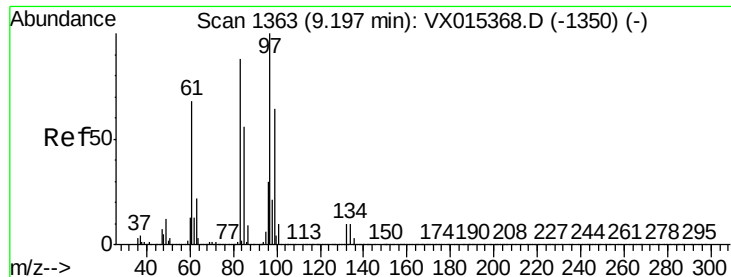
Tot Ion: 88 Resp: 174
Ion Ratio Lower Upper
88 100
43 275.3 30.1 45.1#
58 694.3 60.6 90.8#



#50
Toluene-d8
Concen: 50.739 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015695.D
Acq: 15 Apr 2020 19:46

Tgt Ion: 98 Resp: 1922596
Ion Ratio Lower Upper
98 100
100 66.8 53.5 80.3





#55

1,1,2-Trichloroethane

Concen: 3.187 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. 0.12 min

Lab File: VX015695.D

Acq: 15 Apr 2020 19:46

Instrument :

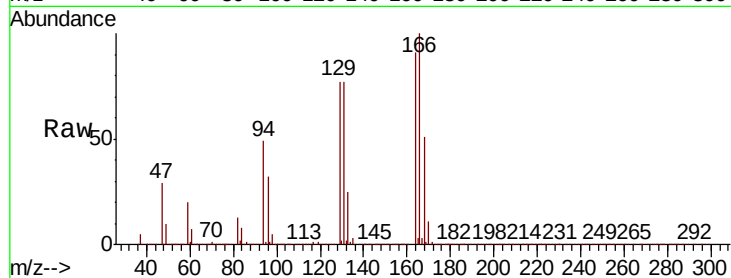
MSVOA_X

ClientSampleId :

SS037MW302-200408

Tot Ion: 97 Resp: 34983

Ion	Ratio	Lower	Upper
97	100		
83	289.0	70.2	105.4#
85	45.8	44.7	67.1
99	15.4	51.1	76.7#

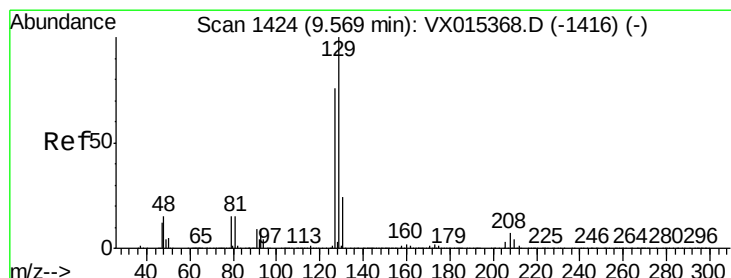
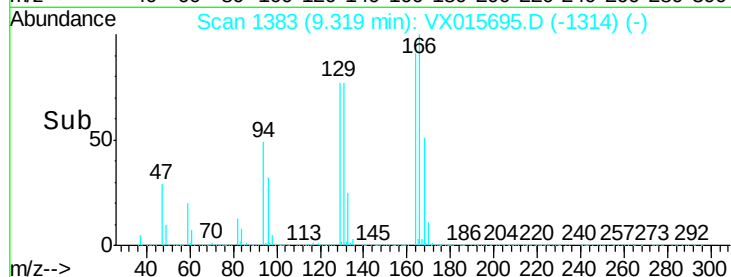


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#60

Dibromochloromethane

Concen: 284.852 ug/l

RT: 9.32 min Scan# 1383

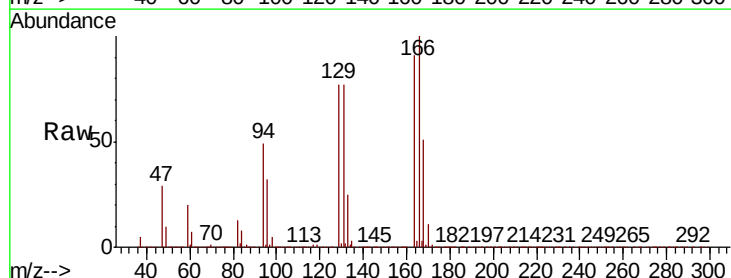
Delta R.T. -0.25 min

Lab File: VX015695.D

Acq: 15 Apr 2020 19:46

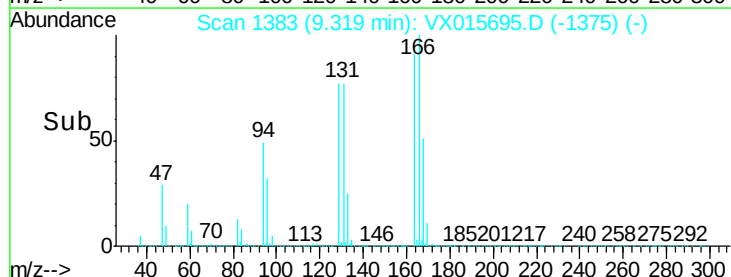
Tgt Ion: 129 Resp: 3757095

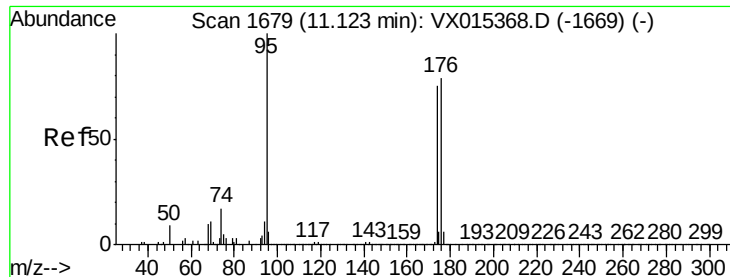
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.2	114.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

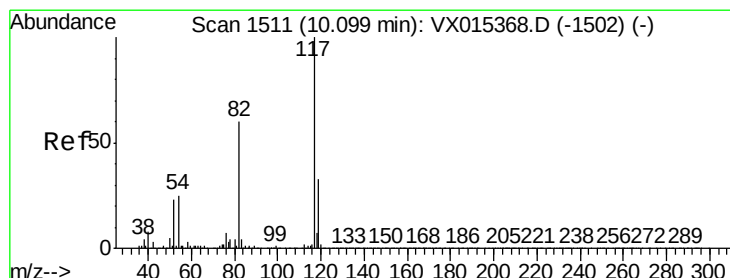
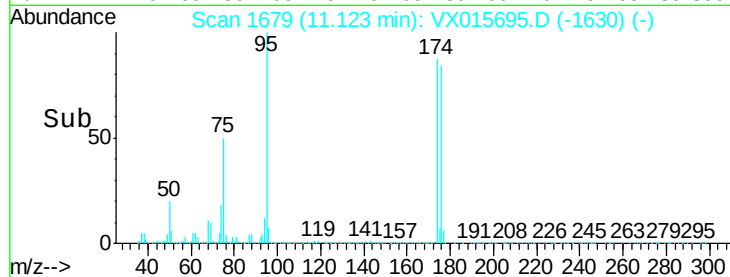
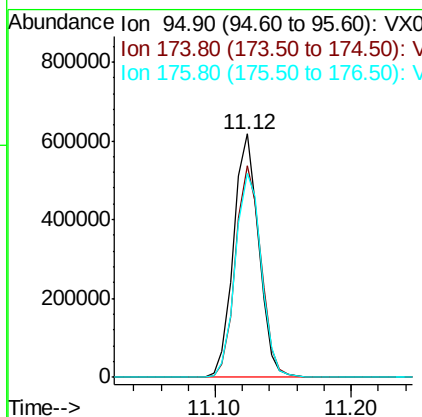
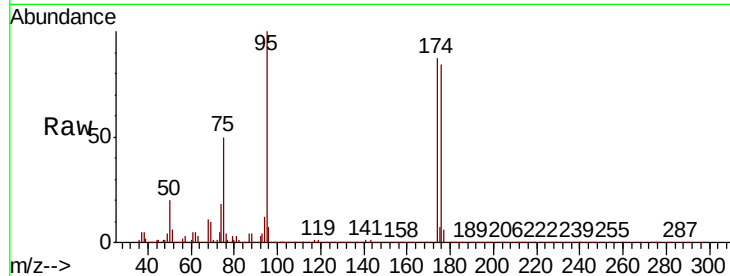




#62
4-Bromofluorobenzene
Concen: 51.766 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015695.D
Acq: 15 Apr 2020 19:46

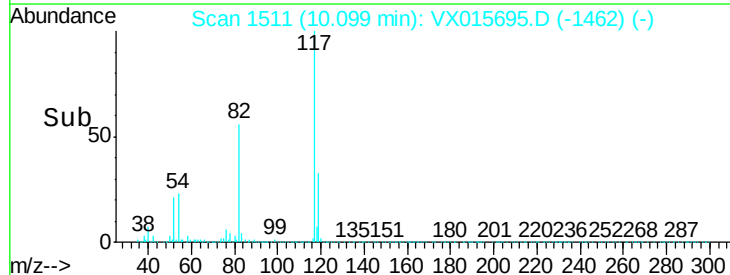
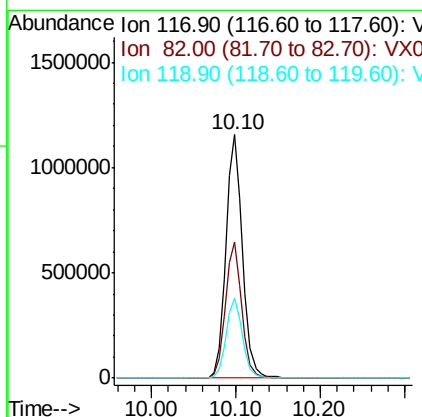
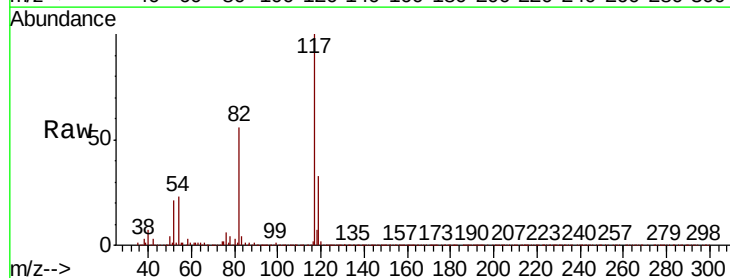
Instrument :
MSVOA_X
ClientSampleId :
SS037MW302-200408

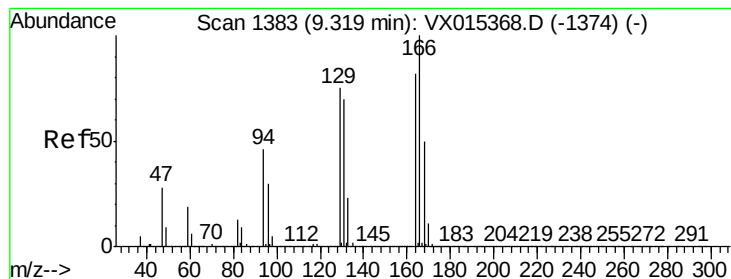
Tot Ion:	95	Resp:	797157
Ion	Ratio	Lower	Upper
95	100		
174	87.9	0.0	158.6
176	86.4	0.0	159.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015695.D
Acq: 15 Apr 2020 19:46

Tgt Ion:	117	Resp:	1556231
Ion	Ratio	Lower	Upper
117	100		
82	55.7	47.8	71.8
119	33.0	26.8	40.2





#64

Tetrachloroethene

Concen: 376.503 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX015695.D

Acq: 15 Apr 2020 19:46

Instrument :

MSVOA_X

ClientSampleId :

SS037MW302-200408

Tot Ion:164 Resp: 4421838

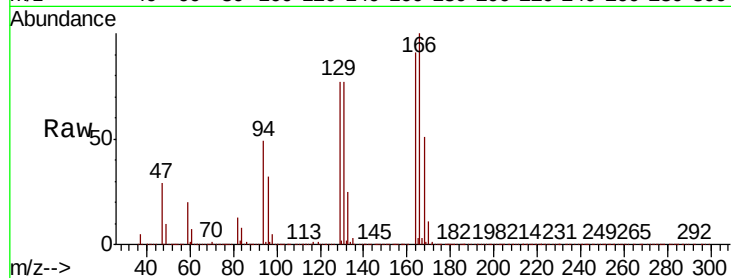
Ion Ratio Lower Upper

164 100

166 110.3 97.8 146.6

129 85.4 73.0 109.4

131 84.8 68.6 103.0

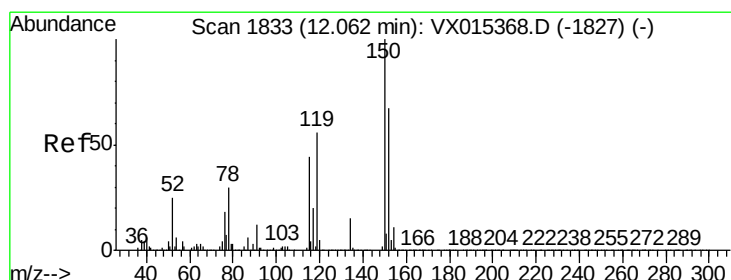
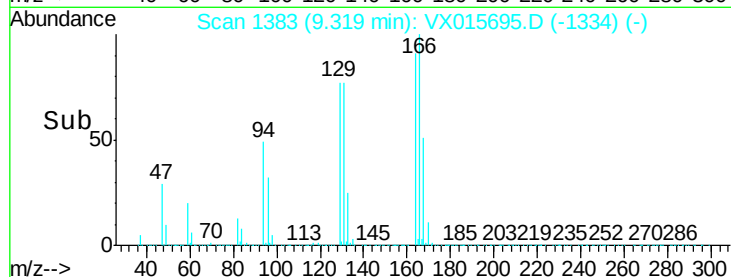
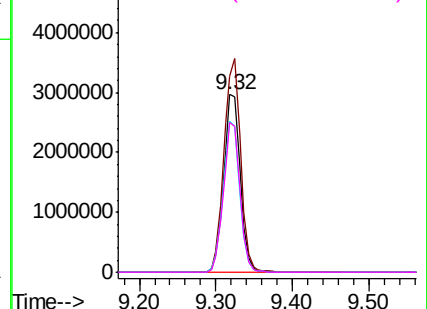


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX015695.D

Acq: 15 Apr 2020 19:46

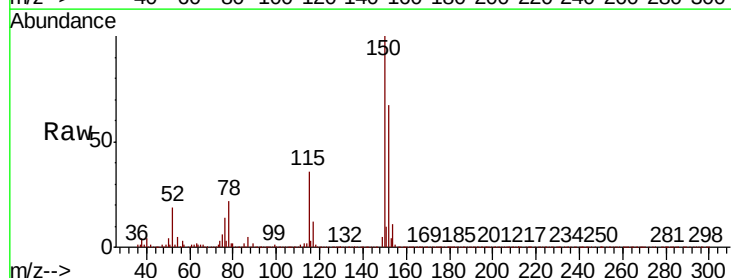
Tgt Ion:152 Resp: 851466

Ion Ratio Lower Upper

152 100

115 58.5 39.0 116.9

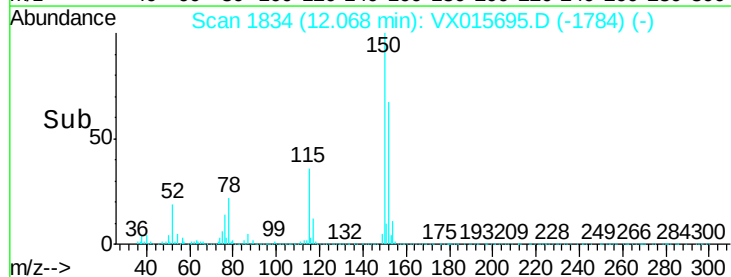
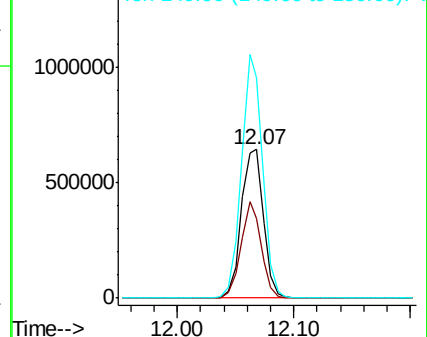
150 155.0 0.0 340.8

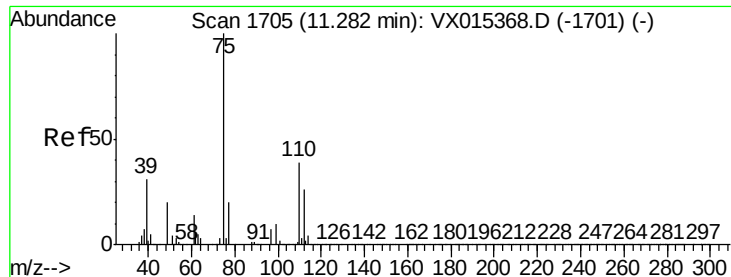


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.442 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015695.D

Acq: 15 Apr 2020 19:46

Instrument :

MSVOA_X

ClientSampleId :

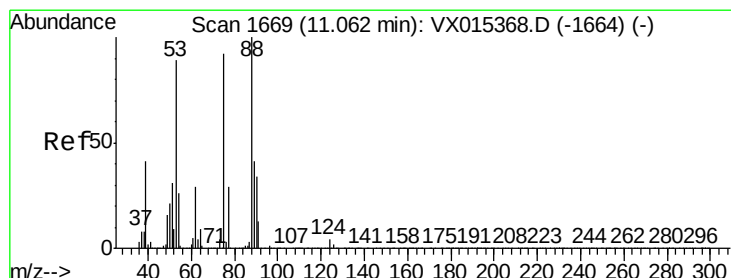
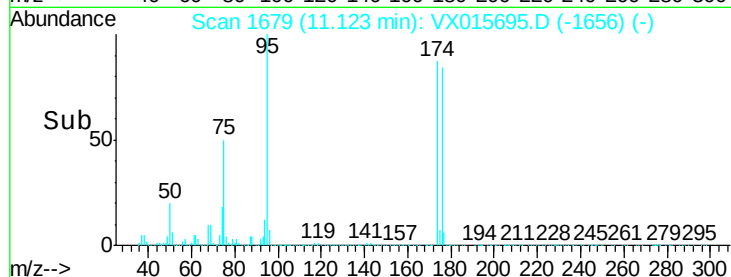
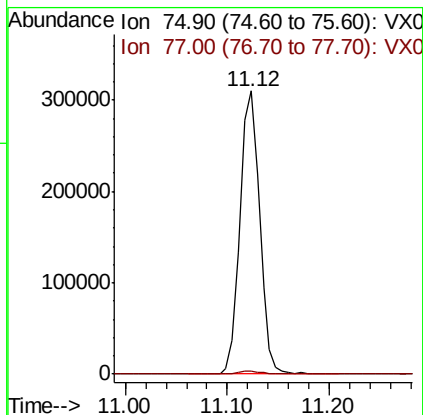
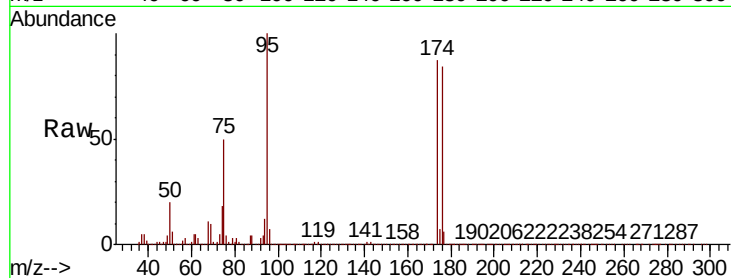
SS037MW302-200408

Tot Ion: 75 Resp: 410470

Ion Ratio Lower Upper

75 100

77 1.2 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.175 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015695.D

Acq: 15 Apr 2020 19:46

Tgt Ion: 75 Resp: 409933

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.1 36.1 54.1#

