

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032720\
 Data File : VX015380.D
 Acq On : 27 Mar 2020 14:43
 Operator : JC/SP
 Sample : L2015-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Mar 30 01:42:51 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	1164211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1875223	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1761711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	929561	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	757700	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	
35) Dibromofluoromethane	5.47	113	587769	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
50) Toluene-d8	8.70	98	2234362	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	11.12	95	949259	52.93	ug/l	0.00
Spiked Amount			Recovery	=	105.86%	

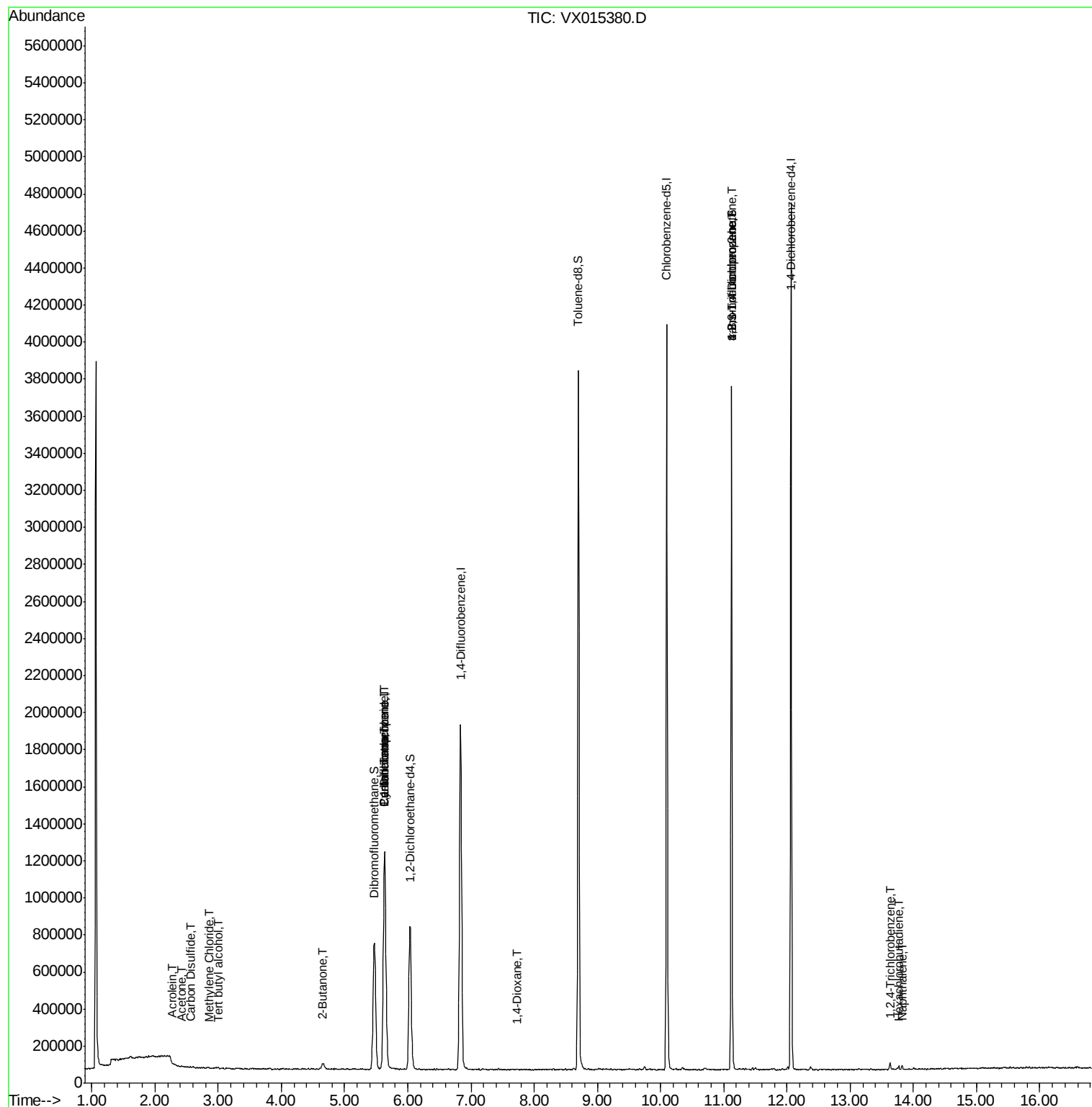
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	813	Below Cal	#	10
11) Tert butyl alcohol	2.99	59	5453	1.387	ug/l #	73
13) Acrolein	2.28	56	1214	0.542	ug/l #	14
16) Acetone	2.42	43	2991	0.424	ug/l #	47
17) Carbon Disulfide	2.56	76	7284	0.217	ug/l #	95
20) Methylene Chloride	2.84	84	2707	0.205	ug/l #	81
25) 2-Butanone	4.65	43	2876	0.254	ug/l #	64
31) Cyclohexane	5.63	56	24622	1.185	ug/l #	18
36) 1,1-Dichloropropene	5.63	75	88899	5.145	ug/l #	51
38) Carbon Tetrachloride	5.63	117	111343	5.950	ug/l #	14
49) 1,4-Dioxane	7.73	88	612	1.729	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	490470	25.658	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	490470	61.565	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.63	180	9874	0.439	ug/l	94
94) Hexachlorobutadiene	13.77	225	3435	0.320	ug/l	90
95) Naphthalene	13.82	128	14514	0.211	ug/l #	91

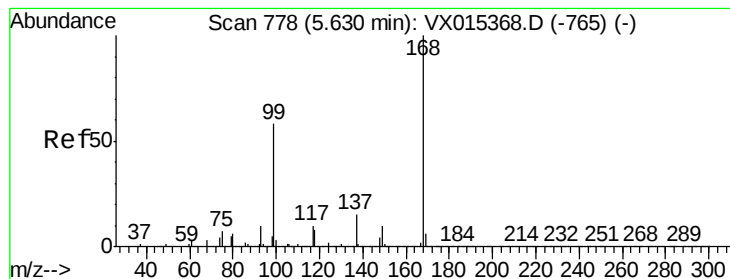
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampled :
TRIP-BLANK

Quant Time: Mar 30 01:42:51 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015380.D

Acq: 27 Mar 2020 14:43

Instrument :

MSVOA_X

ClientSampleId :

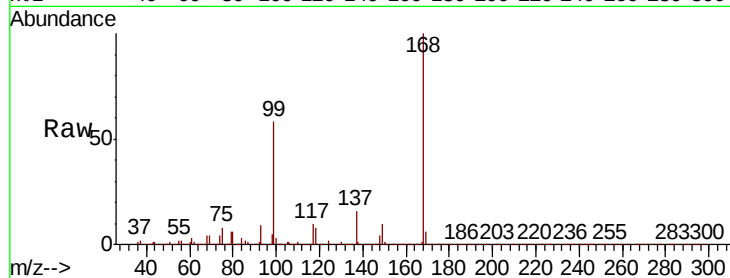
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Tot Ion:168 Resp: 1164211

Ion Ratio Lower Upper

168 100

99 57.6 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

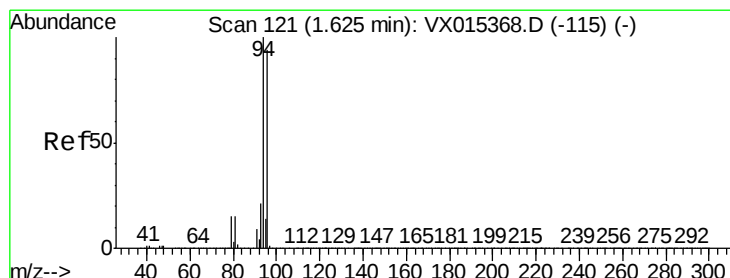
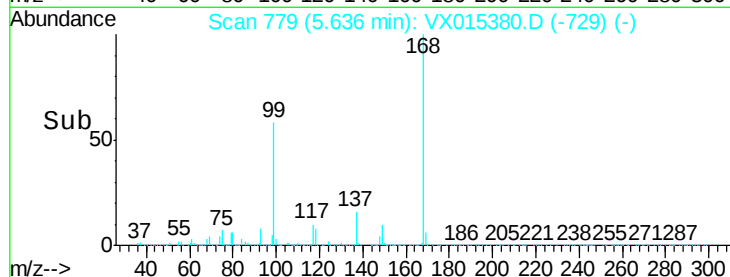
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX015380.D

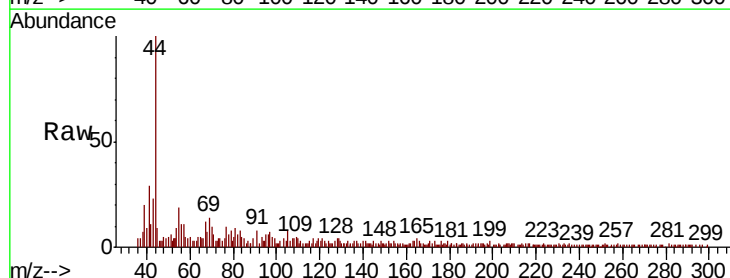
Acq: 27 Mar 2020 14:43

Tgt Ion: 94 Resp: 813

Ion Ratio Lower Upper

94 100

96 6.5 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

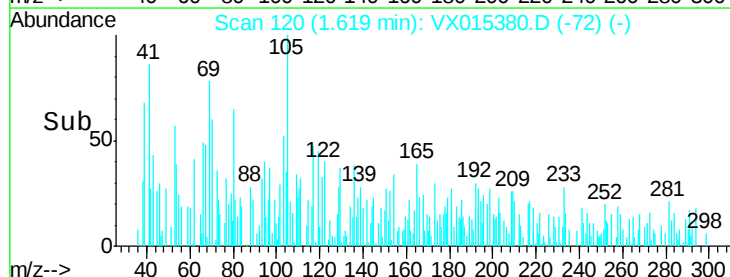
1500

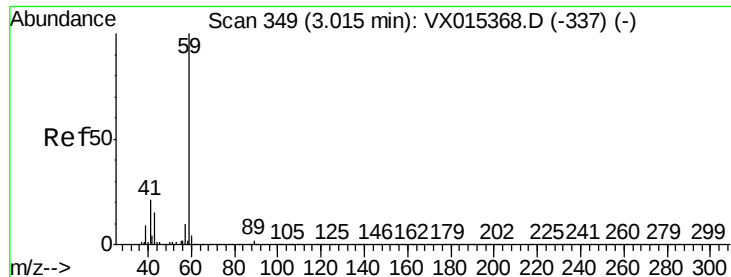
1000

500

0

Time-->



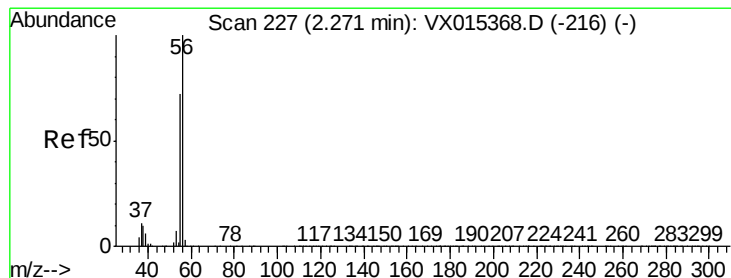
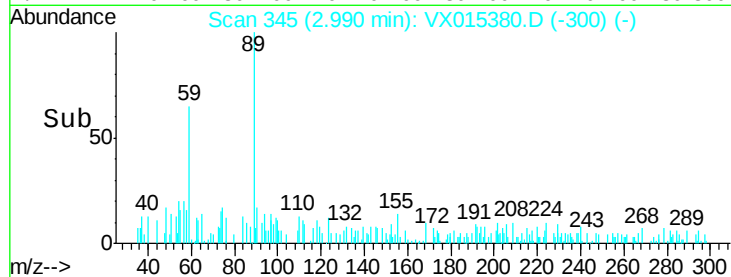
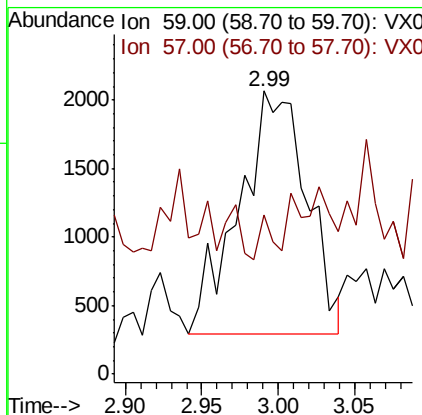
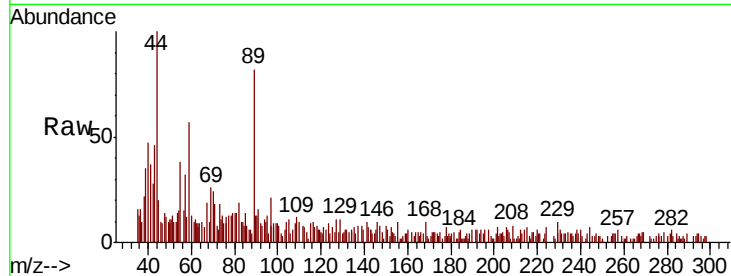


#11

Tert butyl alcohol
Concen: 1.387 ug/l
RT: 2.99 min Scan# 345
Delta R.T. -0.02 min
Lab File: VX015380.D
Acq: 27 Mar 2020 14:43

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

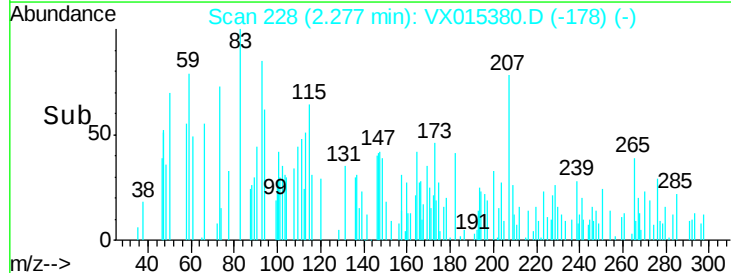
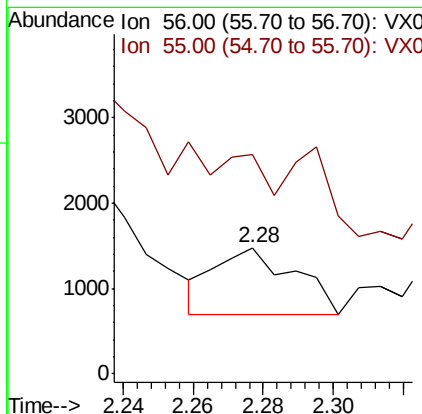
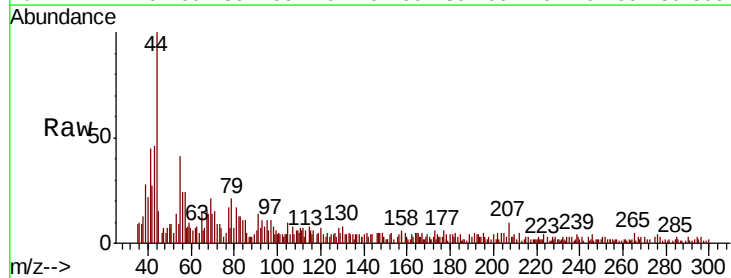
Tot Ion: 59 Resp: 5453
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

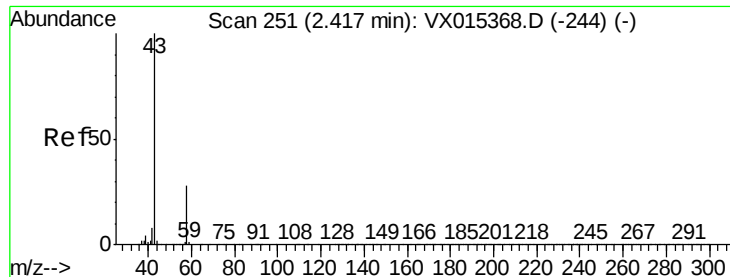


#13

Acrolein
Concen: 0.542 ug/l
RT: 2.28 min Scan# 228
Delta R.T. 0.01 min
Lab File: VX015380.D
Acq: 27 Mar 2020 14:43

Tgt Ion: 56 Resp: 1214
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 0.424 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015380.D

Acq: 27 Mar 2020 14:43

Instrument :

MSVOA_X

ClientSampleId :

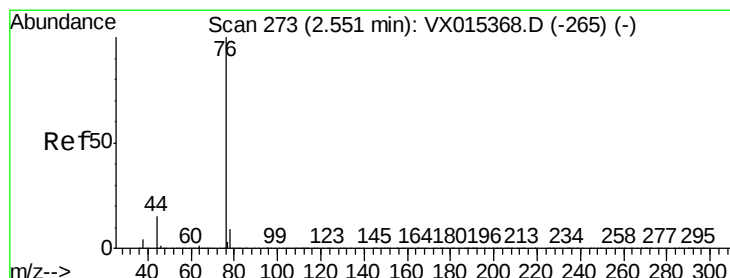
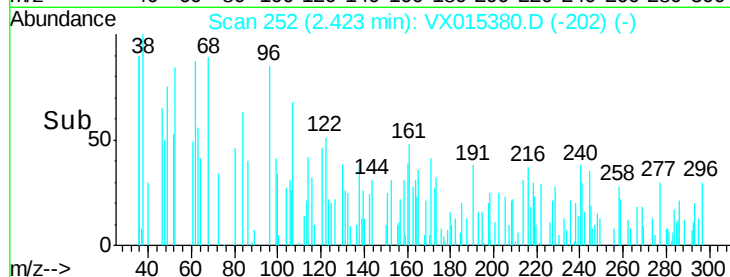
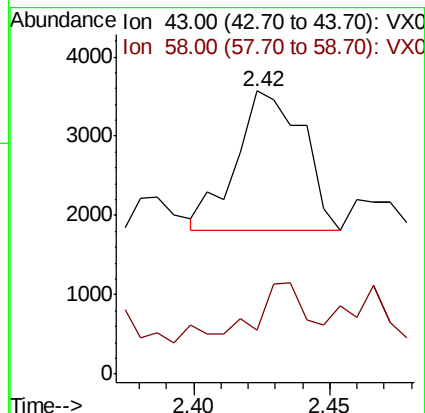
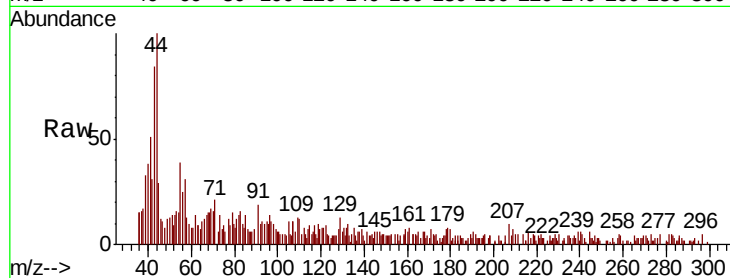
TRIP-BLANK

Tot Ion: 43 Resp: 2991

Ion Ratio Lower Upper

43 100

58 0.0 22.1 33.1#



#17

Carbon Disulfide

Concen: 0.217 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015380.D

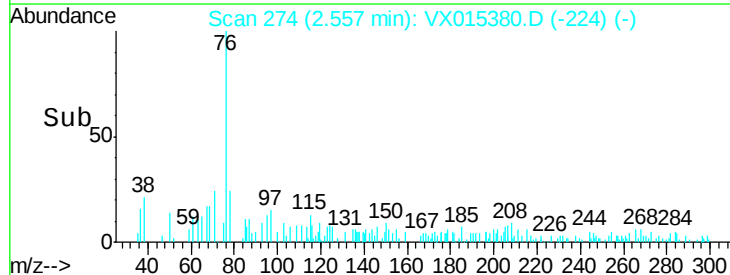
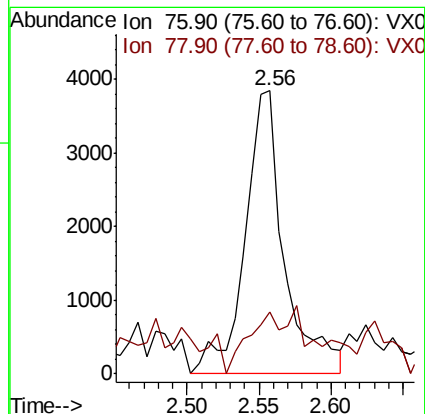
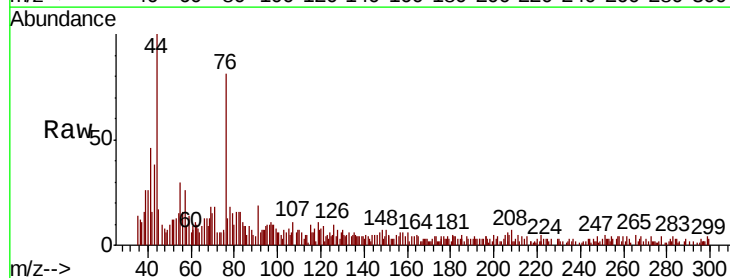
Acq: 27 Mar 2020 14:43

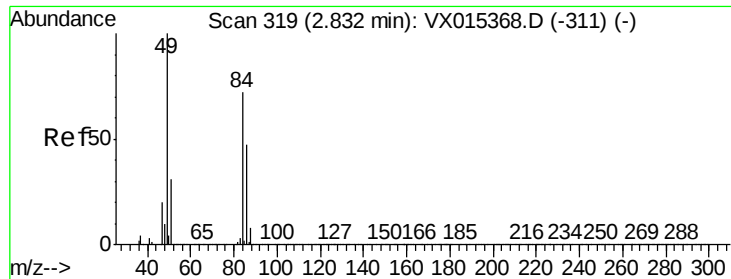
Tgt Ion: 76 Resp: 7284

Ion Ratio Lower Upper

76 100

78 10.7 7.1 10.7#

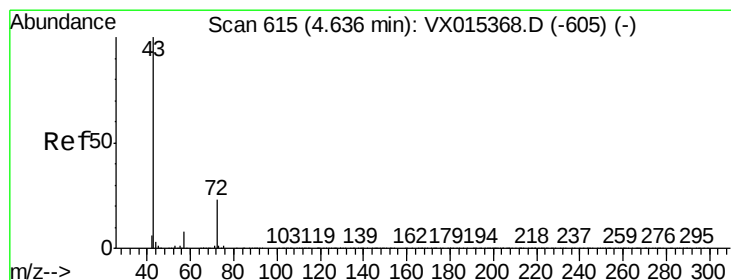
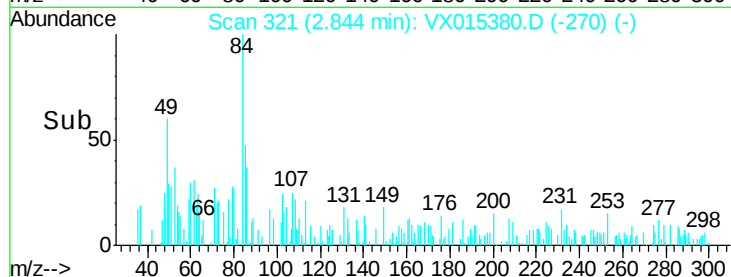
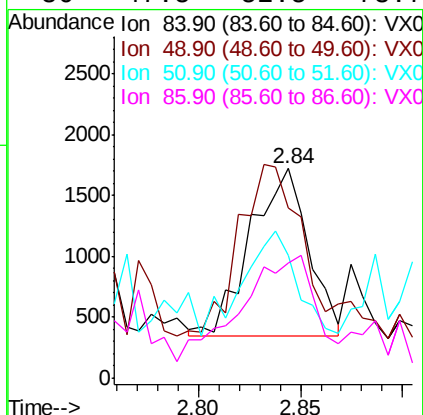
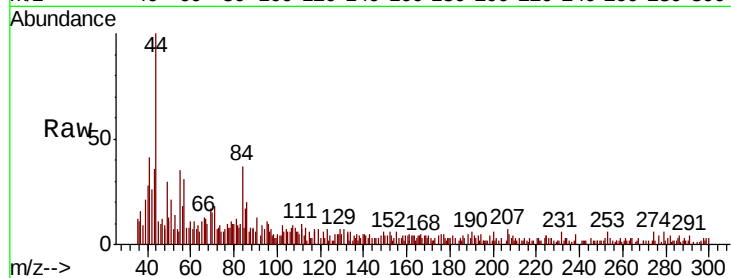




#20
Methvlene Chloride
Concen: 0.205 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.01 min
Lab File: VX015380.D
Acq: 27 Mar 2020 14:43

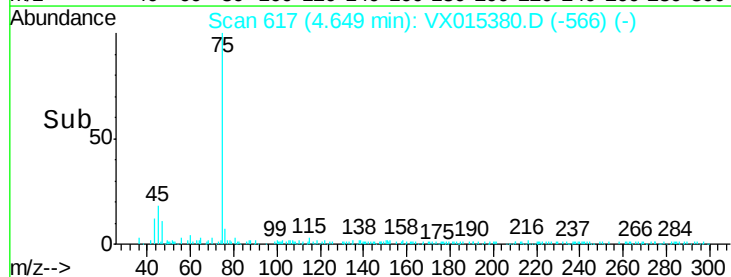
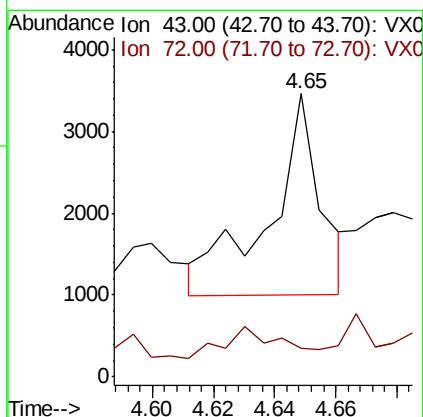
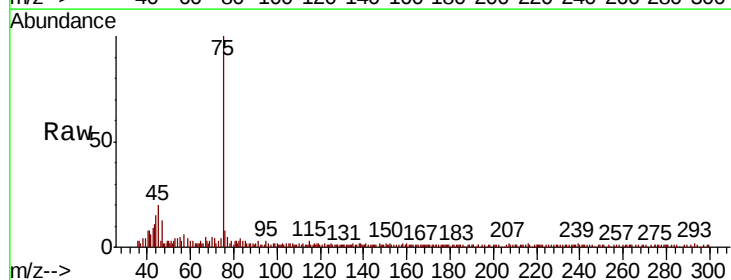
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

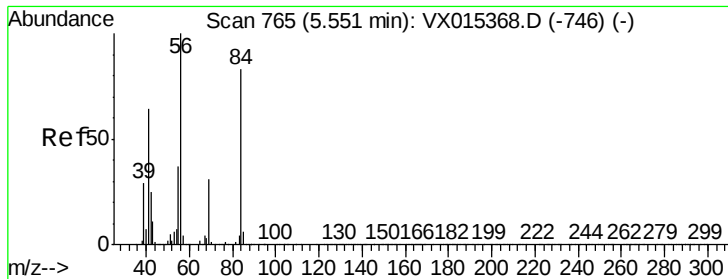
Tot Ion:	84	Resp:	2707
Ion	Ratio	Lower	Upper
84	100		
49	115.0	111.3	166.9
51	48.8	34.0	51.0
86	47.5	52.5	78.7#



#25
2-Butanone
Concen: 0.254 ug/l
RT: 4.65 min Scan# 617
Delta R.T. 0.01 min
Lab File: VX015380.D
Acq: 27 Mar 2020 14:43

Tgt Ion:	43	Resp:	2876
Ion	Ratio	Lower	Upper
43	100		
72	5.9	19.0	28.4#

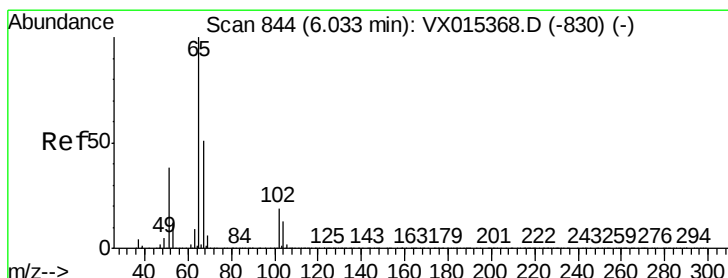
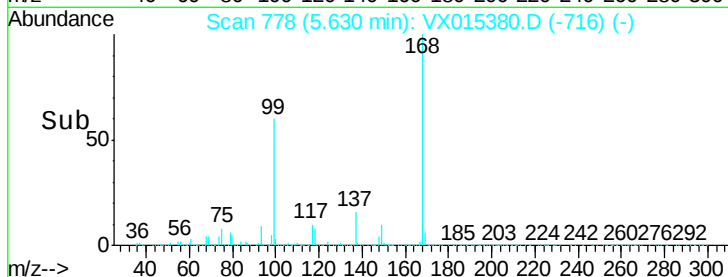
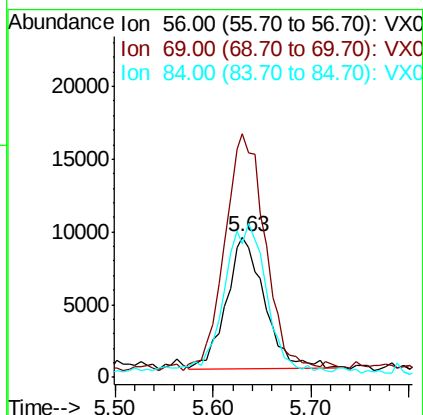
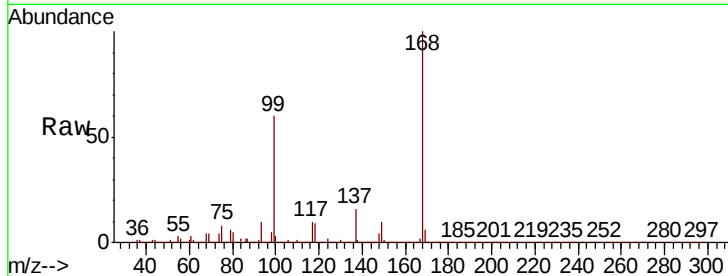




#31
Cyclohexane
Concen: 1.185 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015380.D
Acq: 27 Mar 2020 14:43

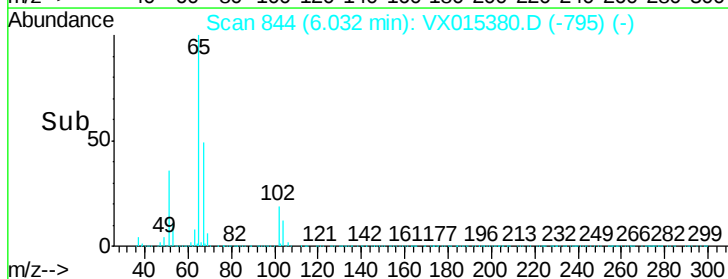
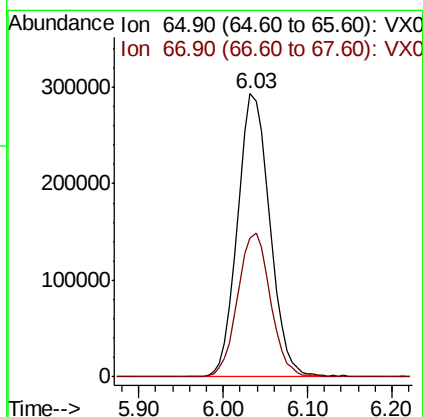
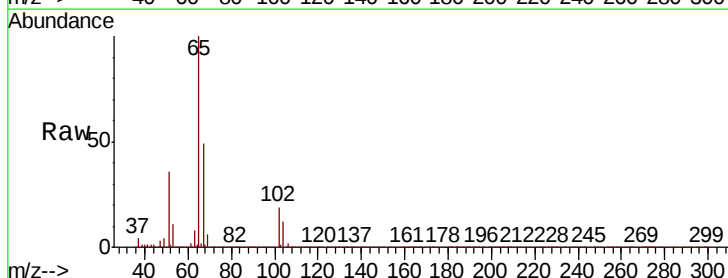
Instrument :
MSVOA_X
ClientSampled :
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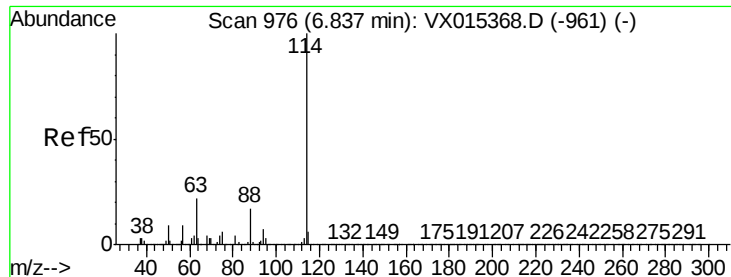
Tot Ion: 56 Resp: 24622
Ion Ratio Lower Upper
56 100
69 176.9 24.6 36.8#
84 94.4 66.1 99.1



#33
1,2-Dichloroethane-d4
Concen: 46.145 ug/l
RT: 6.03 min Scan# 844
Delta R.T. -0.00 min
Lab File: VX015380.D
Acq: 27 Mar 2020 14:43

Tgt Ion: 65 Resp: 757700
Ion Ratio Lower Upper
65 100
67 51.2 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: VX015380.D

Acq: 27 Mar 2020 14:43

Instrument :

MSVOA_X

ClientSampleId :

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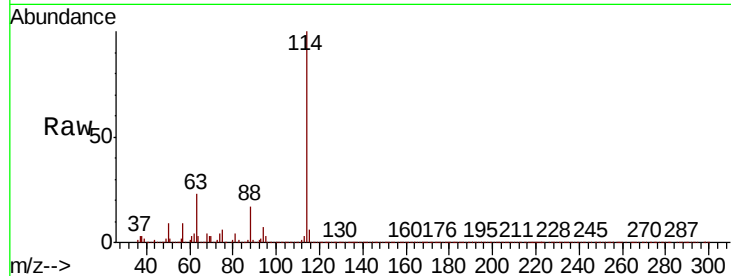
Tot Ion:114 Resp: 1875223

Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.2

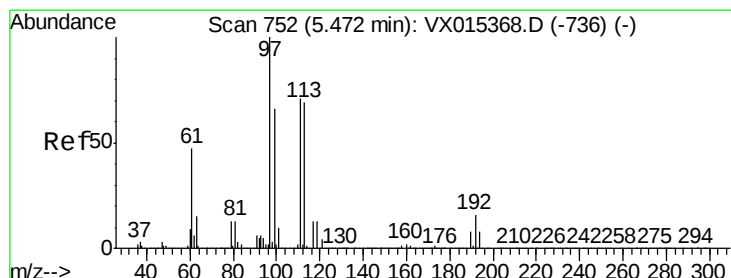
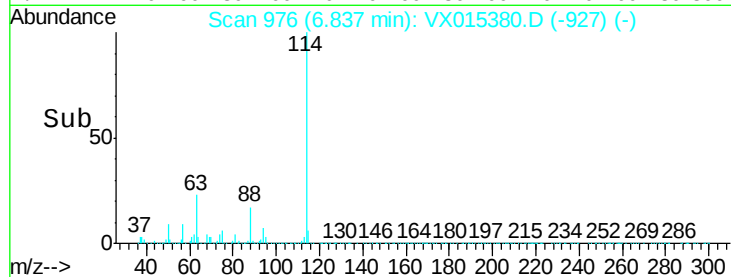
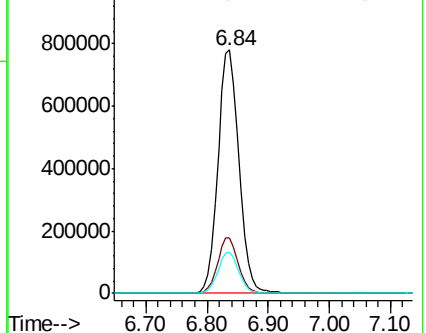
88 16.8 0.0 33.8



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



#35

Dibromofluoromethane

Concen: 49.034 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX015380.D

Acq: 27 Mar 2020 14:43

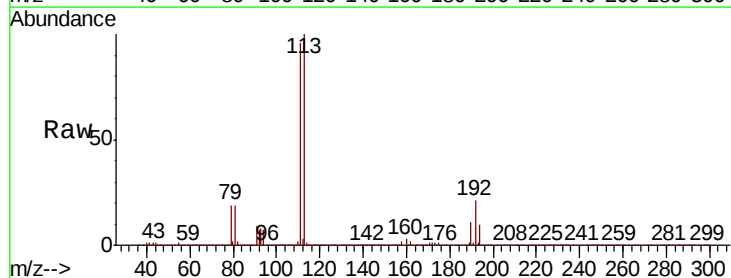
Tgt Ion:113 Resp: 587769

Ion Ratio Lower Upper

113 100

111 101.3 81.5 122.3

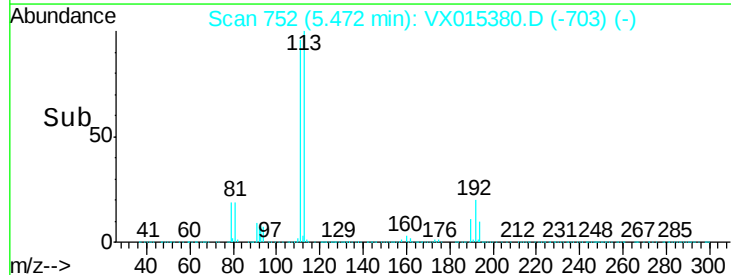
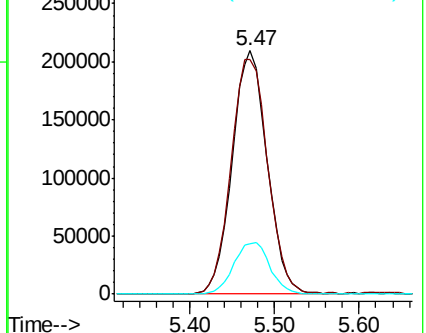
192 21.9 17.8 26.6

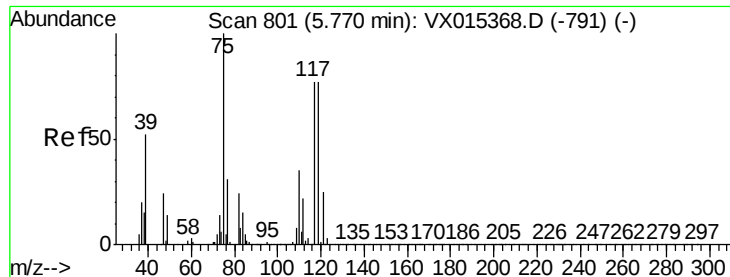


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

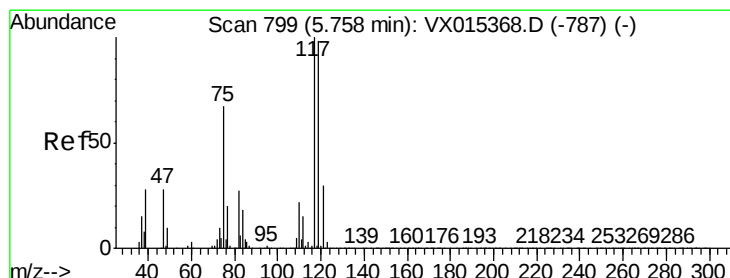
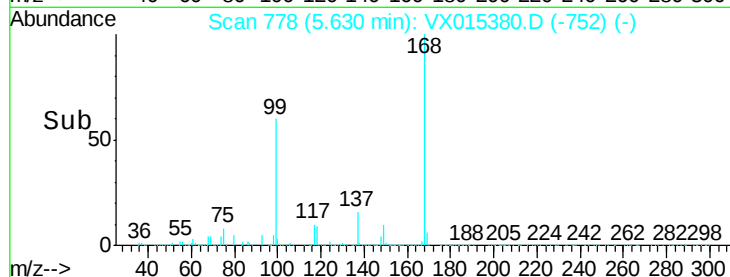
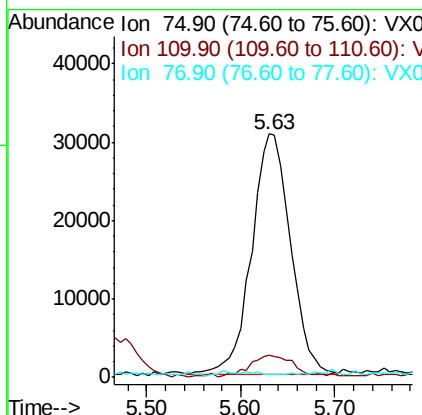
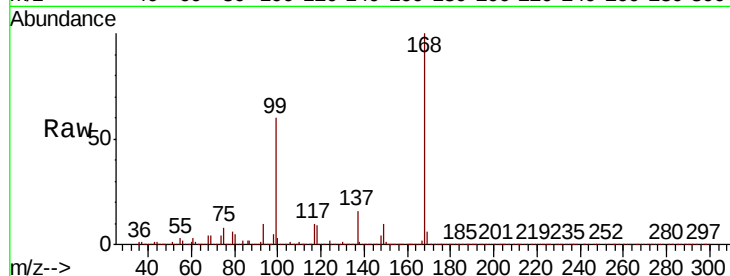




#36
 1,1-Dichloropropene
 Concen: 5.145 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015380.D
 Acq: 27 Mar 2020 14:43

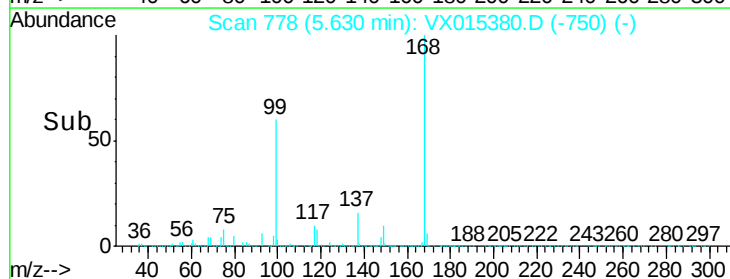
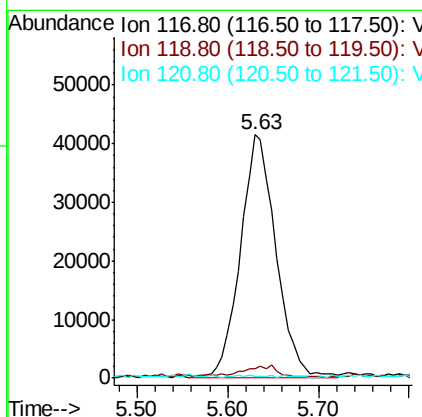
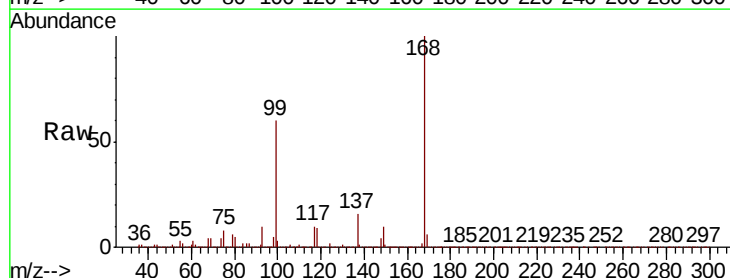
Instrument :
 MSVOA_X
 ClientSampleId :
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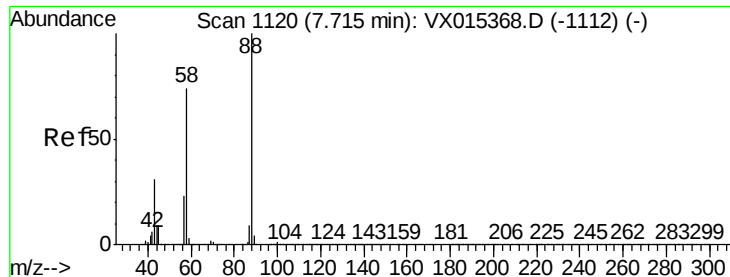
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.2	17.1	51.3#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.950 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.13 min
 Lab File: VX015380.D
 Acq: 27 Mar 2020 14:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.1	78.0	117.0#
121	0.3	23.8	35.8#

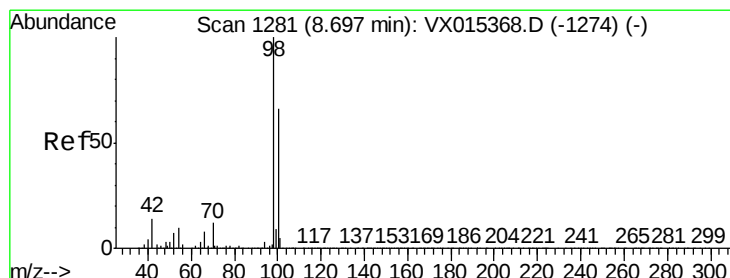
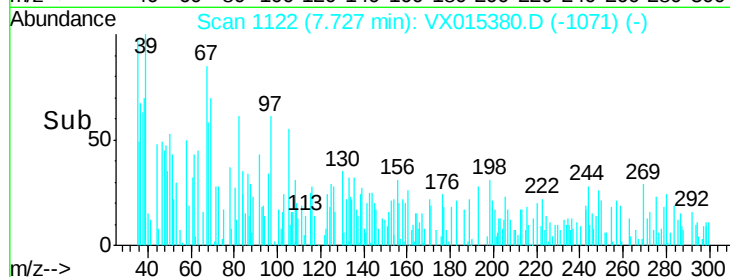
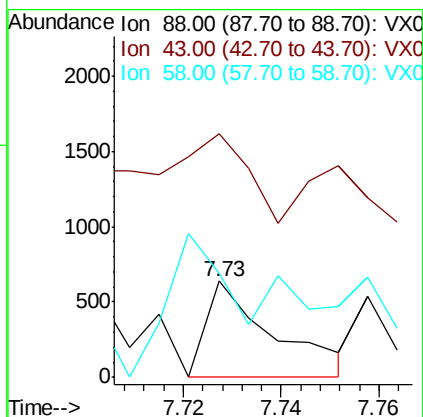
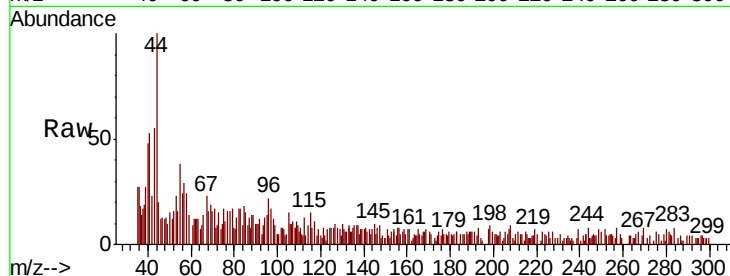




#49
1,4-Dioxane
Concen: 1.729 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VX015380.D
Acq: 27 Mar 2020 14:43

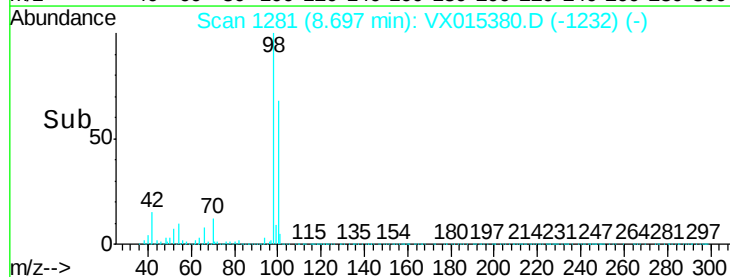
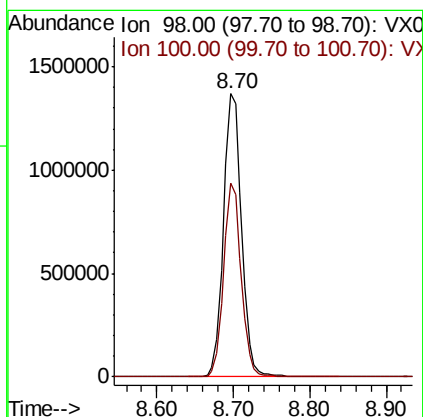
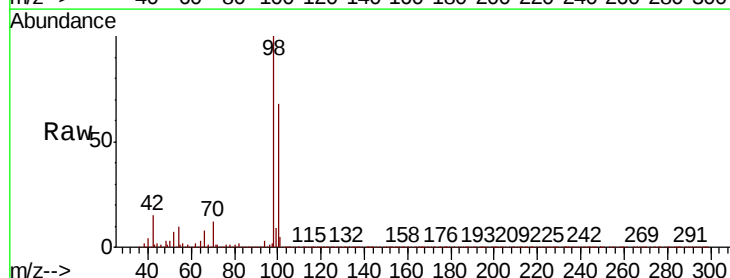
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

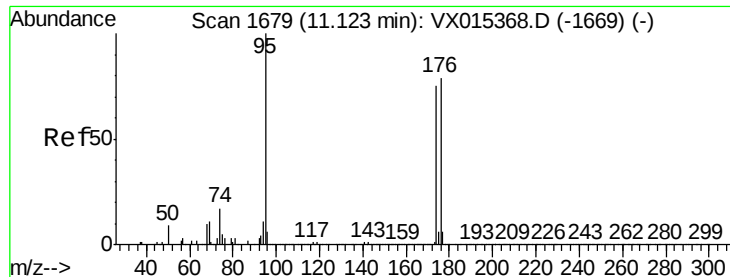
Tot Ion: 88 Resp: 612
Ion Ratio Lower Upper
88 100
43 145.8 30.1 45.1#
58 140.5 60.6 90.8#



#50
Toluene-d8
Concen: 50.628 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015380.D
Acq: 27 Mar 2020 14:43

Tgt Ion: 98 Resp: 2234362
Ion Ratio Lower Upper
98 100
100 66.5 53.5 80.3

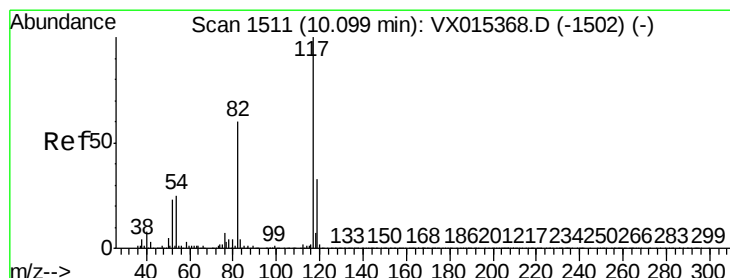
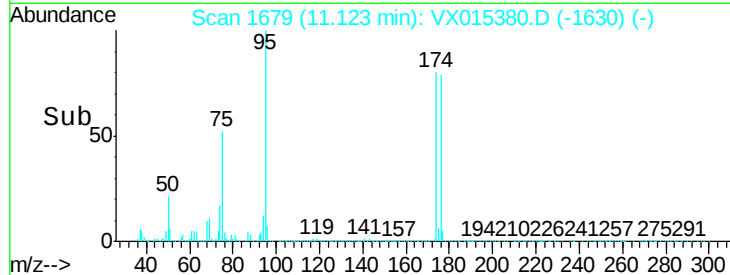
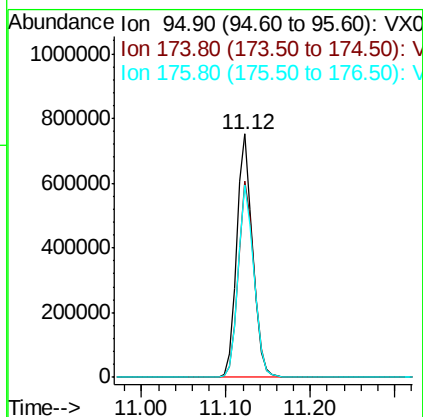
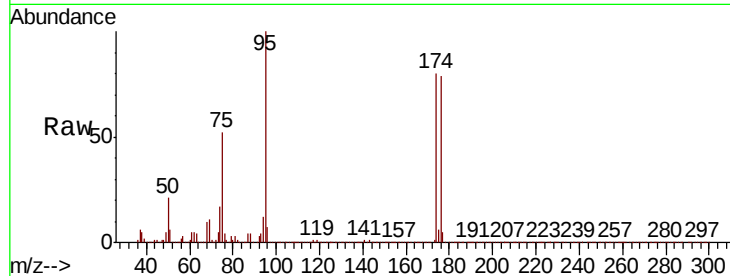




#62
4-Bromofluorobenzene
Concen: 52.926 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015380.D
Acq: 27 Mar 2020 14:43

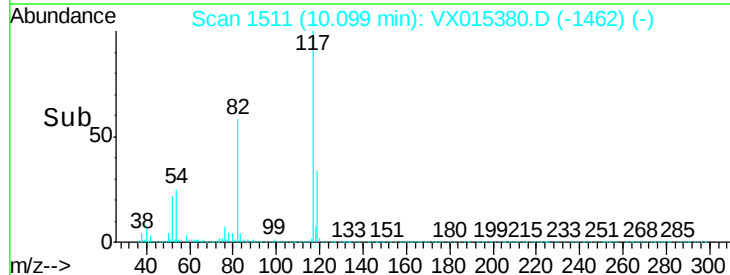
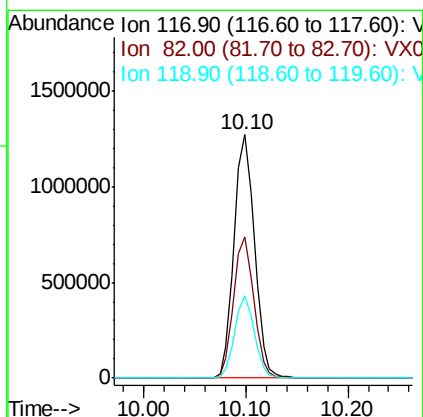
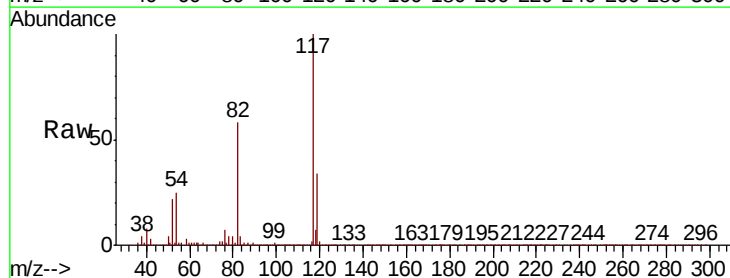
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

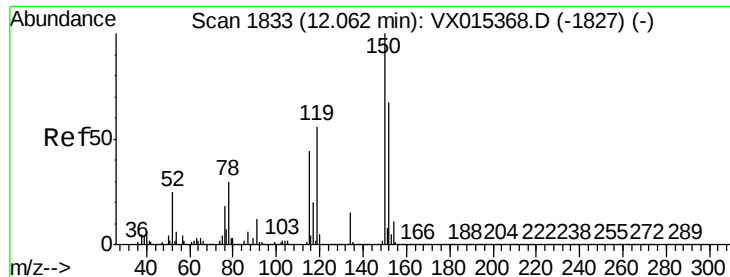
Tot Ion: 95 Resp: 949259
Ion Ratio Lower Upper
95 100
174 79.5 0.0 158.6
176 78.1 0.0 159.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015380.D
Acq: 27 Mar 2020 14:43

Tgt Ion: 117 Resp: 1761711
Ion Ratio Lower Upper
117 100
82 58.2 47.8 71.8
119 33.7 26.8 40.2



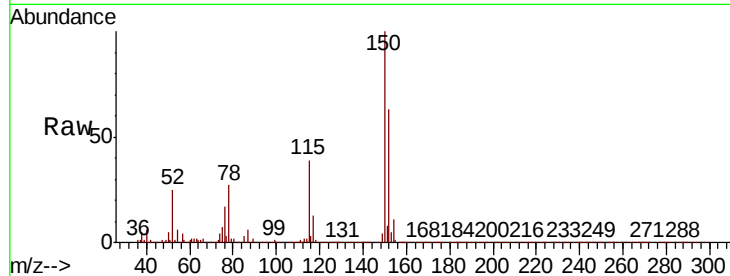


#72

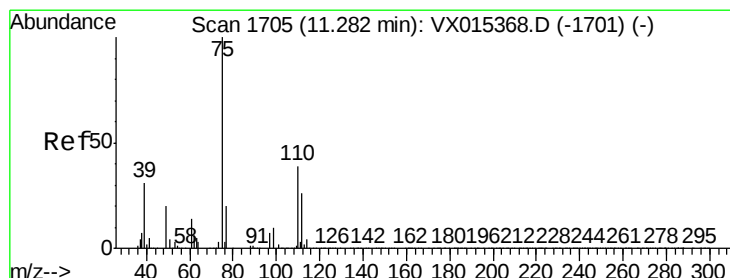
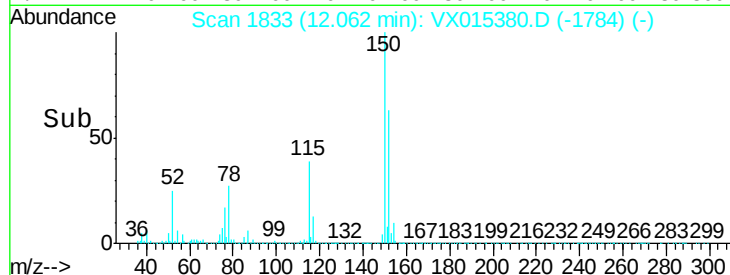
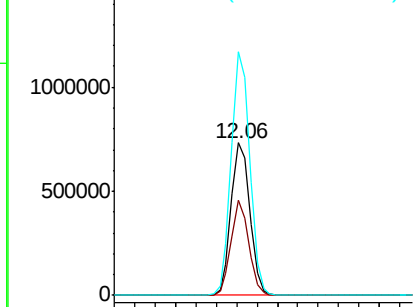
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015380.D
Acq: 27 Mar 2020 14:43

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.8	39.0	116.9
150	157.6	0.0	340.8



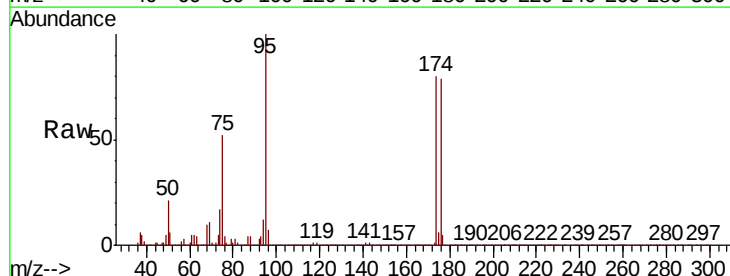
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



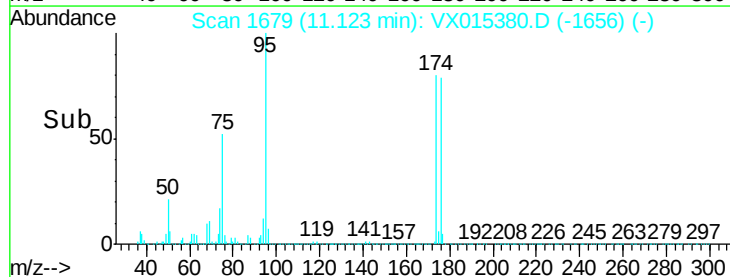
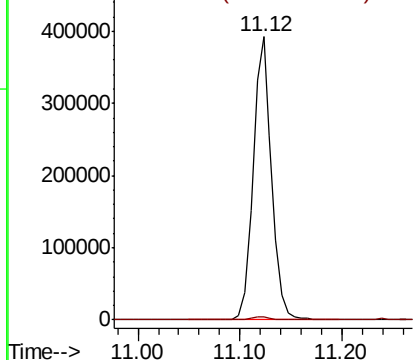
#76

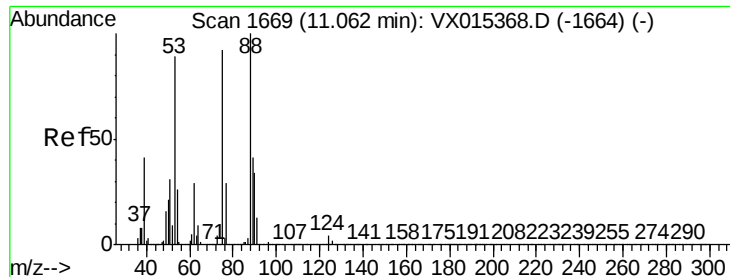
1,2,3-Trichloropropane
Concen: 25.658 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.16 min
Lab File: VX015380.D
Acq: 27 Mar 2020 14:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.0	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: 61.565 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015380.D

Acq: 27 Mar 2020 14:43

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

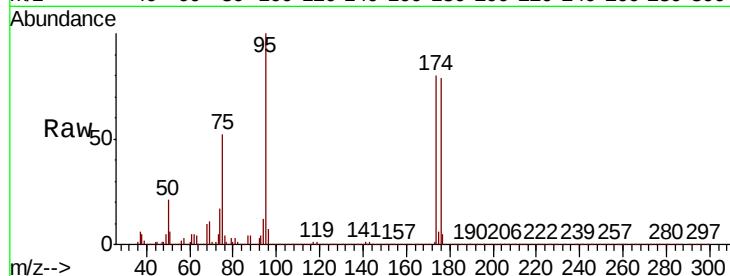
Tot Ion: 75 Resp: 490470

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

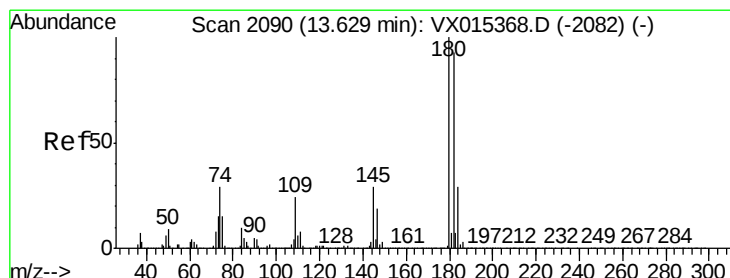
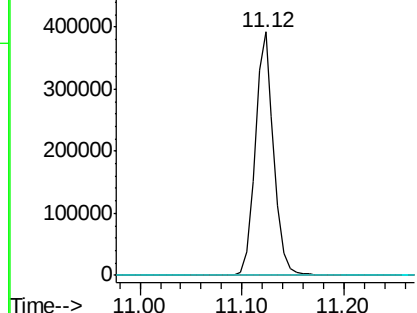
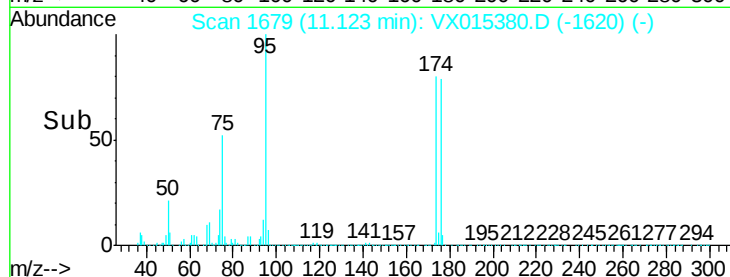
89 0.1 36.1 54.1#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.439 ug/l

RT: 13.63 min Scan# 2090

Delta R.T. -0.00 min

Lab File: VX015380.D

Acq: 27 Mar 2020 14:43

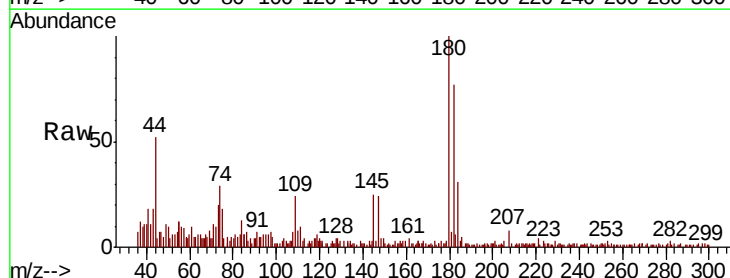
Tgt Ion: 180 Resp: 9874

Ion Ratio Lower Upper

180 100

182 90.2 46.9 140.7

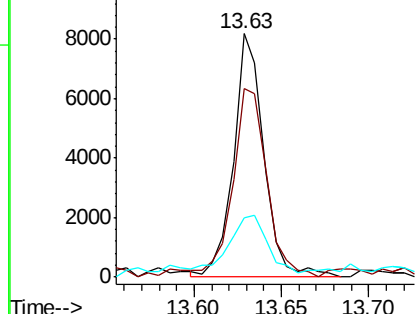
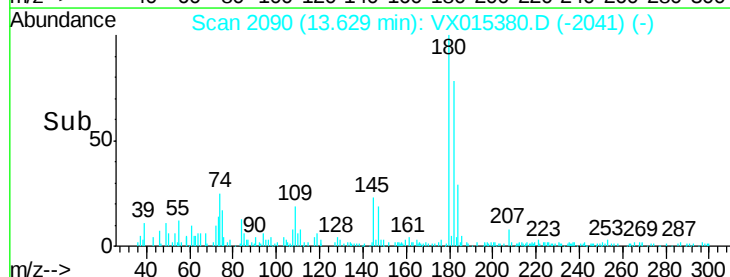
145 36.4 14.9 44.5

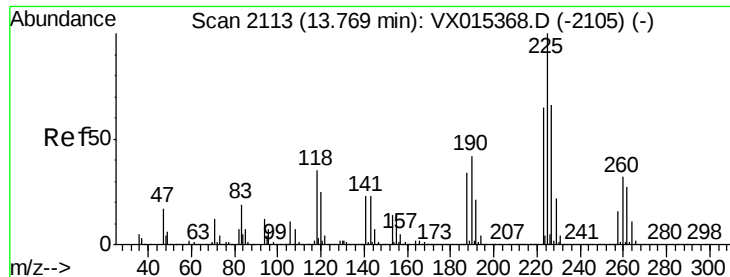


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.320 ug/l

RT: 13.77 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VX015380.D

Acq: 27 Mar 2020 14:43

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

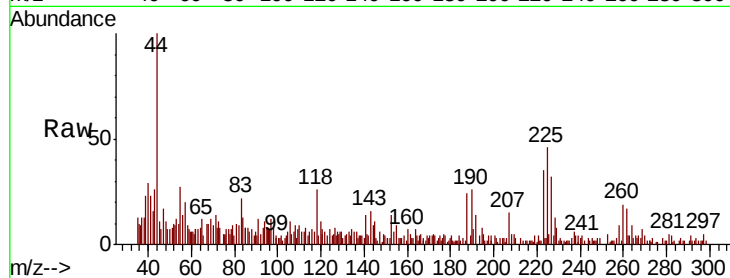
Tot Ion:225 Resp: 3435

Ion Ratio Lower Upper

225 100

223 75.9 31.9 95.7

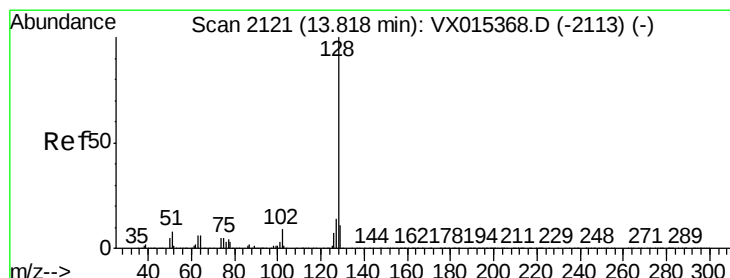
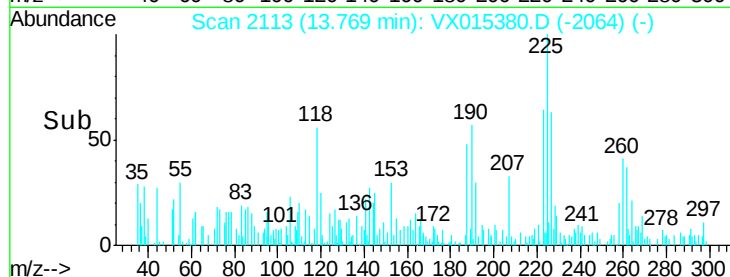
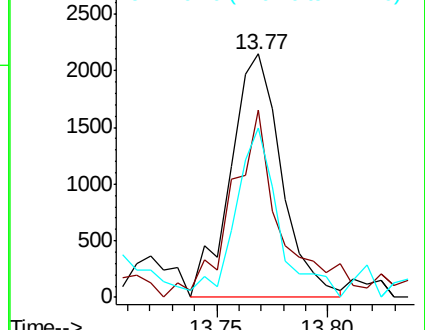
227 58.4 30.4 91.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.211 ug/l

RT: 13.82 min Scan# 2121

Delta R.T. -0.00 min

Lab File: VX015380.D

Acq: 27 Mar 2020 14:43

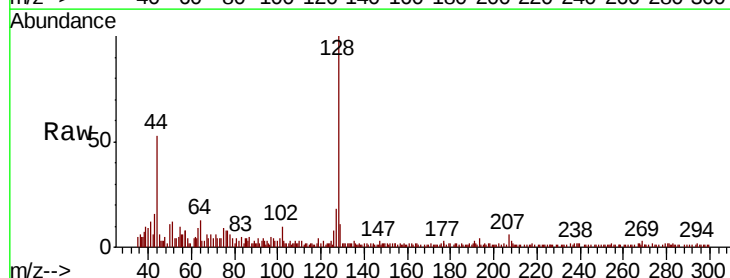
Tgt Ion:128 Resp: 14514

Ion Ratio Lower Upper

128 100

127 17.3 10.6 15.8#

129 8.6 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

