

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062519\
 Data File : VX010434.D
 Acq On : 25 Jun 2019 15:32
 Operator : JC/SP
 Sample : K3521-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FIELD-BLANK

Quant Time: Jun 26 01:20:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	276922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	426638	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	380391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175430	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	130375	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
35) Dibromofluoromethane	5.50	113	128401	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
50) Toluene-d8	8.71	98	499621	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	11.13	95	165800	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	

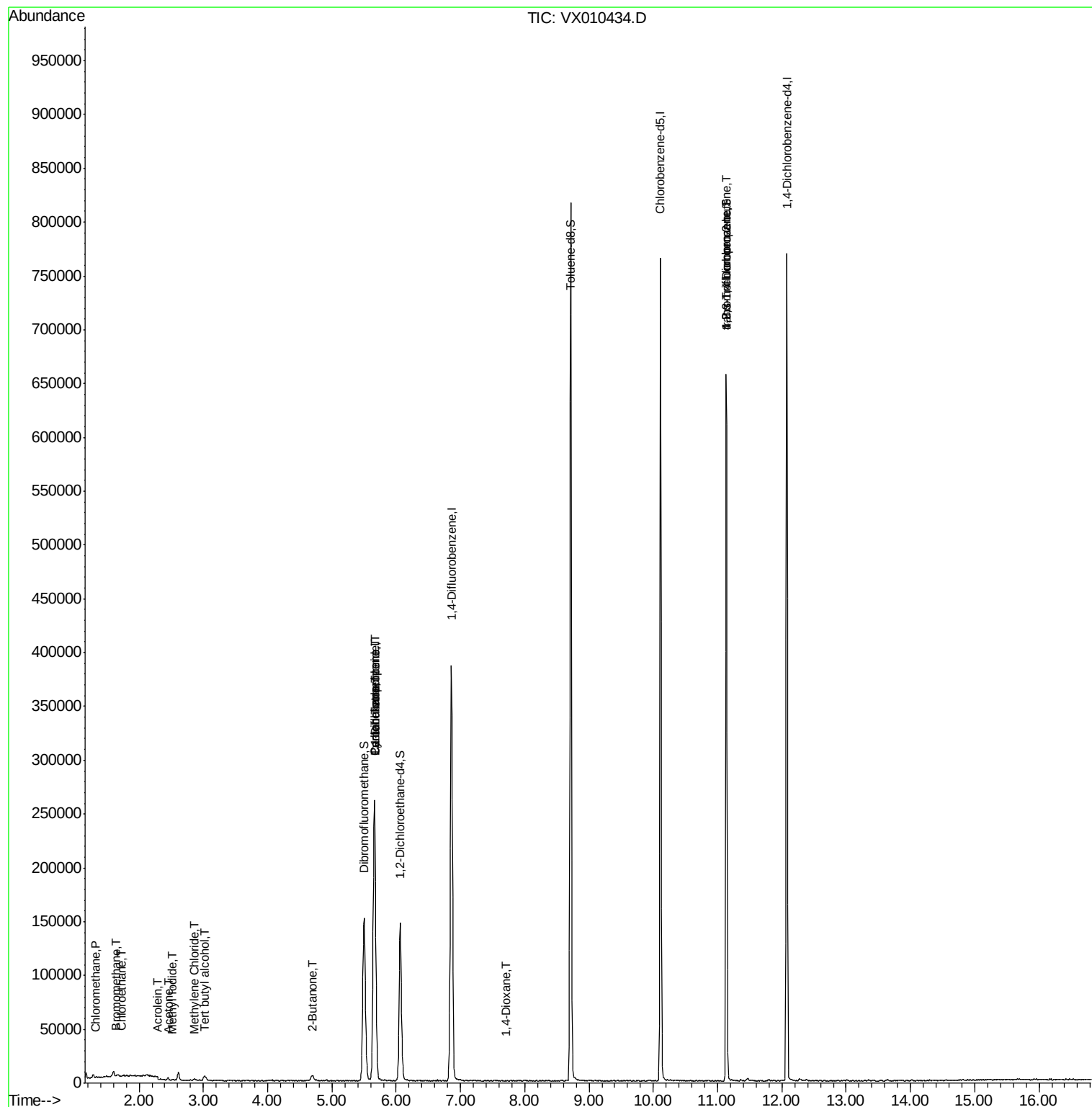
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	734	0.327	ug/l #	86
5) Bromomethane	1.65	94	383	0.320	ug/l #	77
6) Chloroethane	1.73	64	538	0.371	ug/l #	63
10) Methyl Iodide	2.52	142	725	0.215	ug/l #	88
11) Tert butyl alcohol	3.02	59	3468	5.105	ug/l #	92
13) Acrolein	2.29	56	200	0.444	ug/l #	26
16) Acetone	2.45	43	2434	1.871	ug/l	99
20) Methylene Chloride	2.85	84	584	0.218	ug/l #	77
25) 2-Butanone	4.70	43	489	0.256	ug/l #	83
31) Cyclohexane	5.66	56	4928	1.314	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17544	5.175	ug/l #	48
38) Carbon Tetrachloride	5.66	117	24514	6.677	ug/l #	16
49) 1,4-Dioxane	7.71	88	76	0.984	ug/l #	83
76) 1,2,3-Trichloropropane	11.13	75	77769	24.327	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	77769	56.753	ug/l #	16

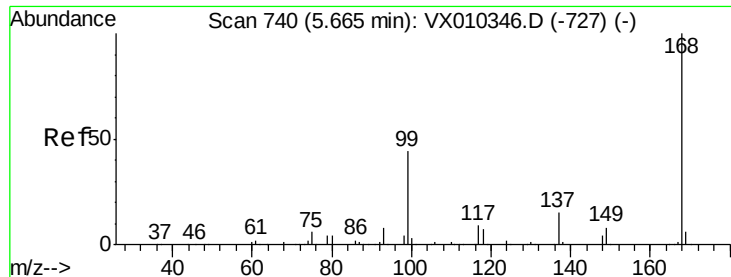
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 26 01:20:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010434.D

Acq: 25 Jun 2019 15:32

Instrument :

MSVOA_X

ClientSampled :

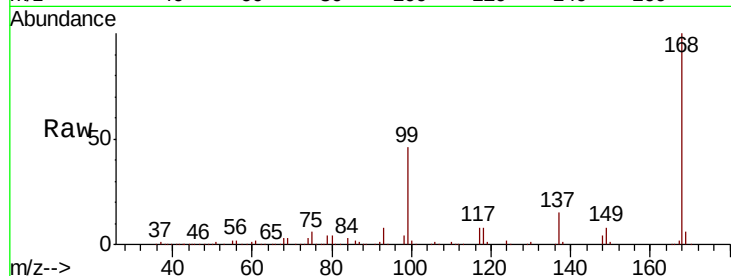
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Tot Ion:168 Resp: 276922

Ion Ratio Lower Upper

168 100

99 46.4 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

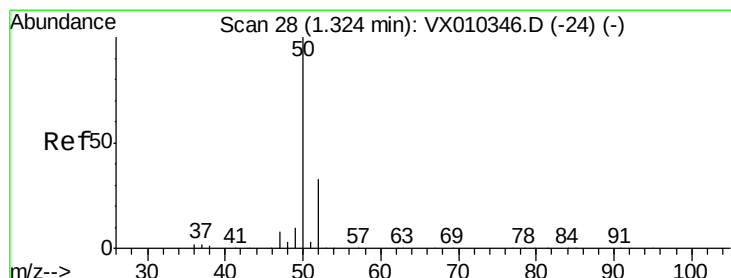
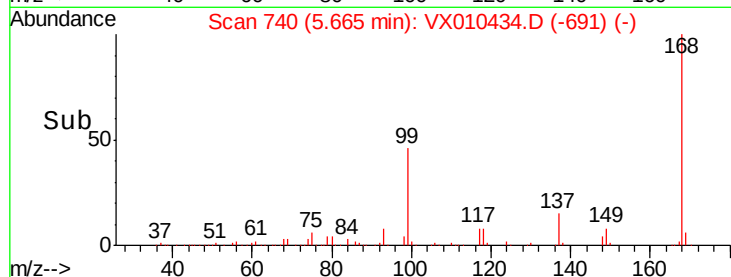
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.327 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010434.D

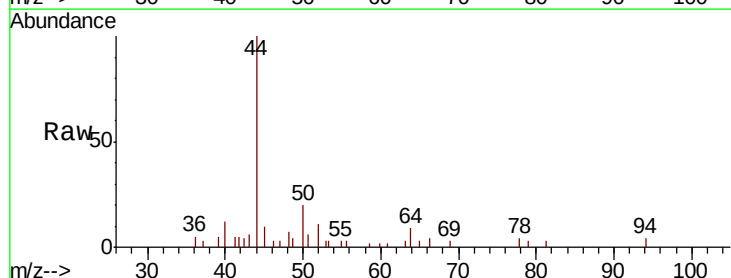
Acq: 25 Jun 2019 15:32

Tgt Ion: 50 Resp: 734

Ion Ratio Lower Upper

50 100

52 41.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

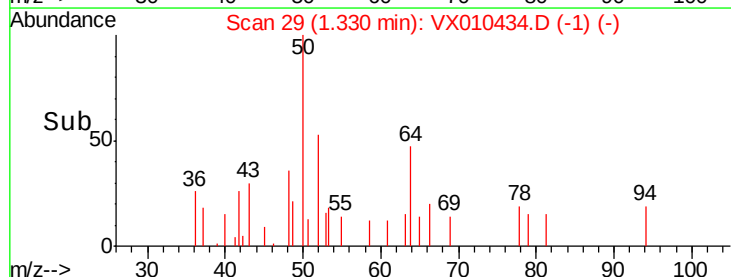
300

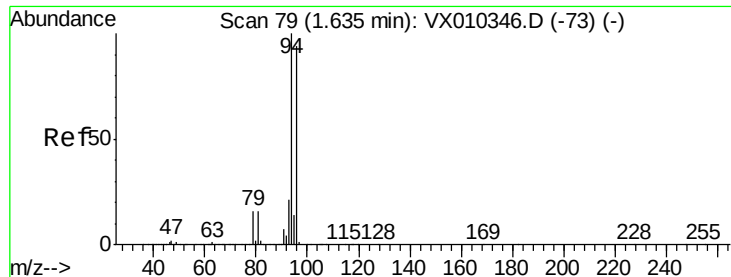
200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.320 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010434.D

Acq: 25 Jun 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

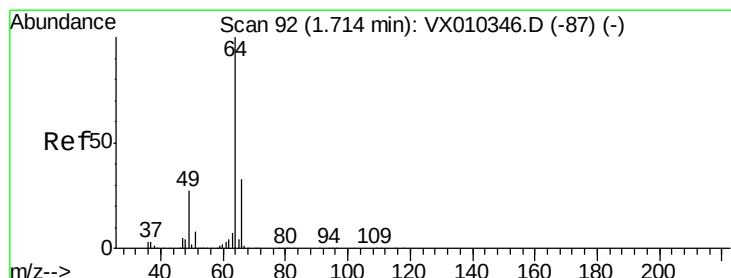
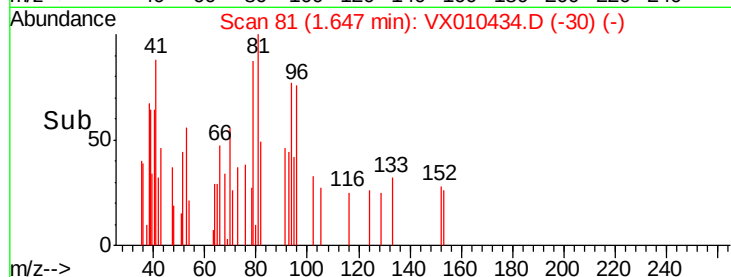
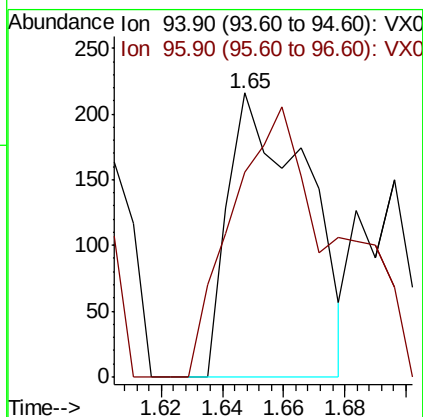
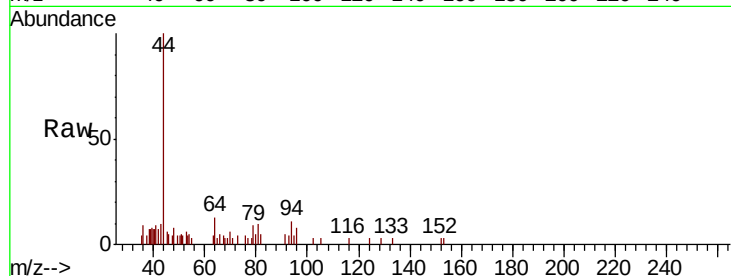
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Tot Ion: 94 Resp: 383

Ion Ratio Lower Upper

94 100

96 72.2 75.5 113.3#



#6

Chloroethane

Concen: 0.371 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX010434.D

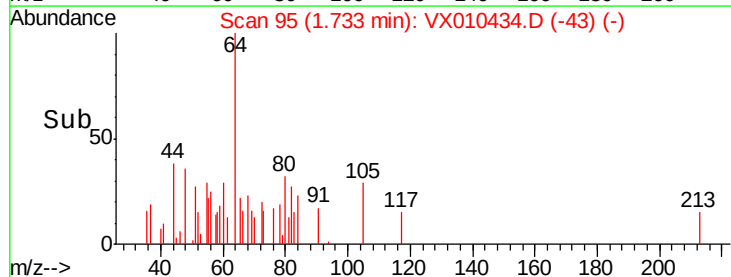
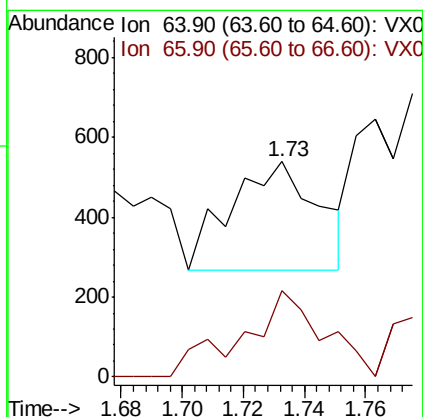
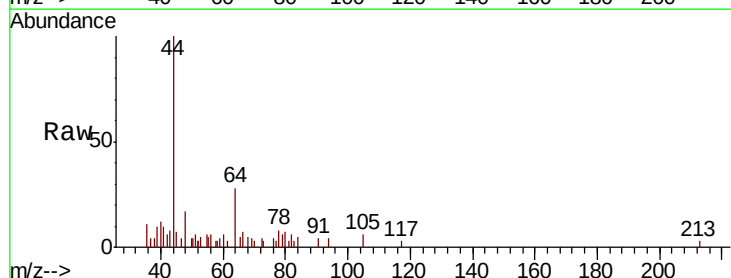
Acq: 25 Jun 2019 15:32

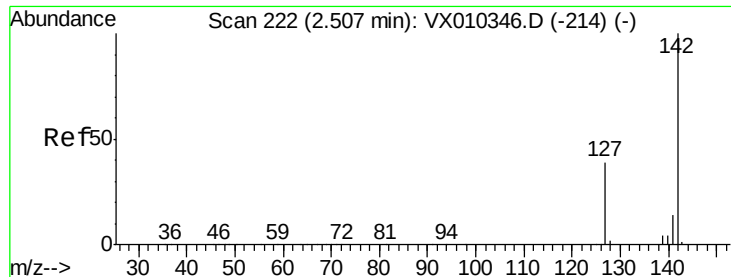
Tgt Ion: 64 Resp: 538

Ion Ratio Lower Upper

64 100

66 54.2 26.6 40.0#

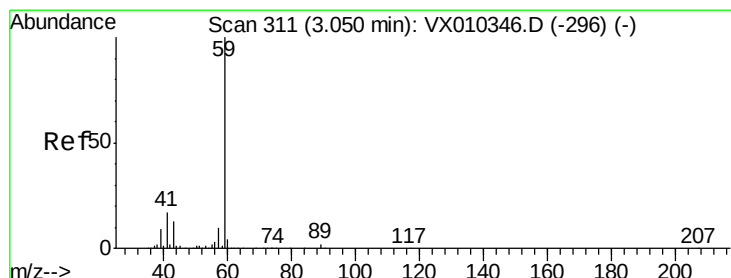
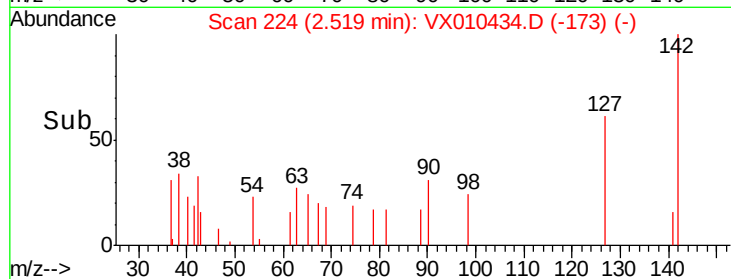
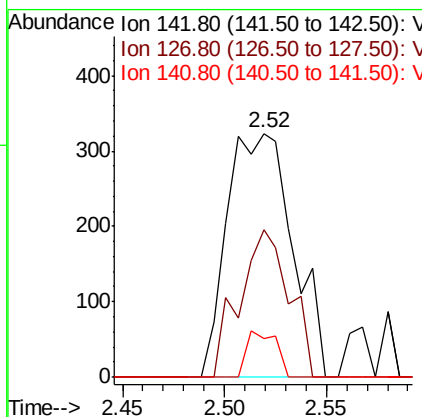
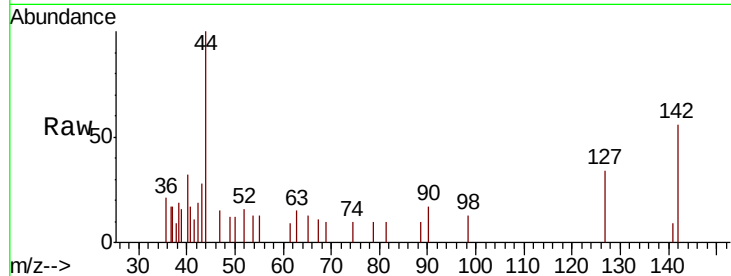




#10
Methvl Iodide
Concen: 0.215 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX010434.D
Acq: 25 Jun 2019 15:32

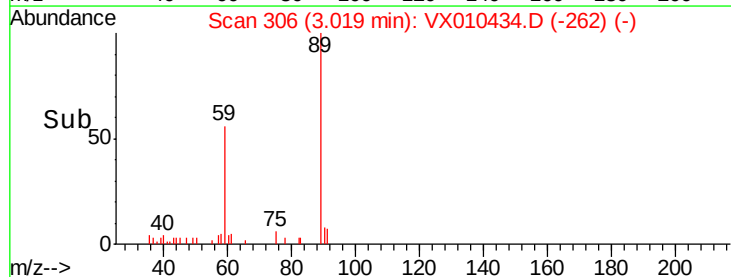
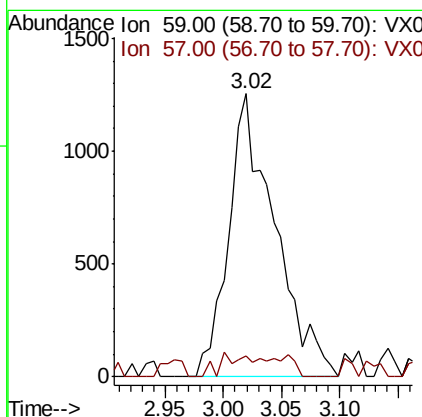
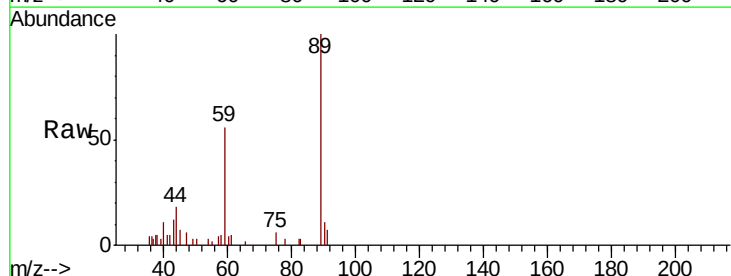
Instrument :
MSVOA_X
ClientSampleId :
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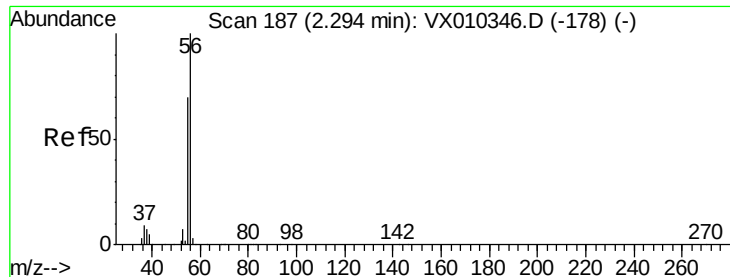
Tot Ion:142 Resp: 725
Ion Ratio Lower Upper
142 100
127 45.9 31.1 46.7
141 8.4 11.2 16.8#



#11
Tert butyl alcohol
Concen: 5.105 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010434.D
Acq: 25 Jun 2019 15:32

Tgt Ion: 59 Resp: 3468
Ion Ratio Lower Upper
59 100
57 6.5 7.7 11.5#





#13

Acrolein

Concen: 0.444 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010434.D

Acq: 25 Jun 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

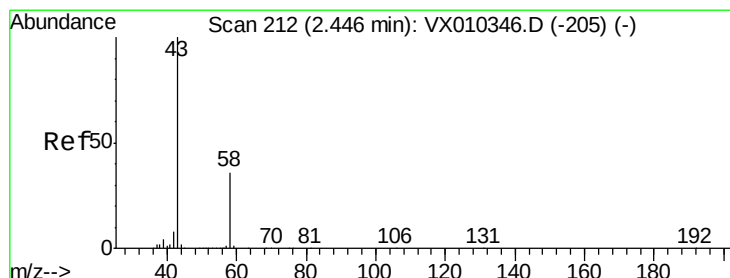
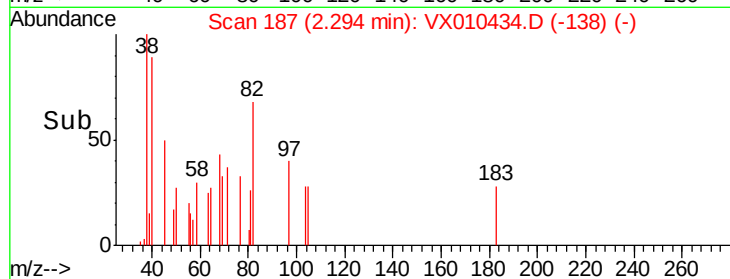
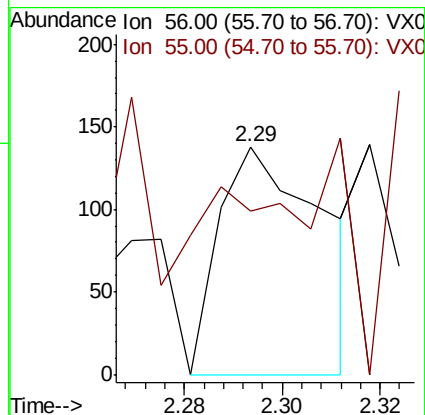
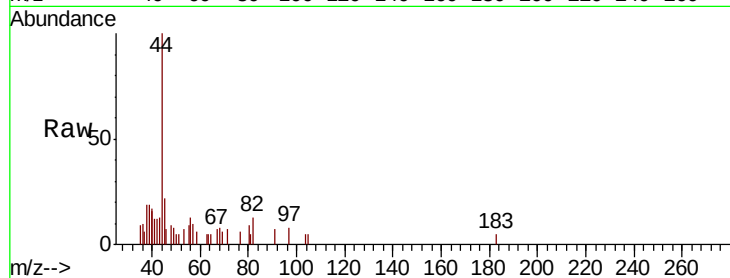
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Tot Ion: 56 Resp: 200

Ion Ratio Lower Upper

56 100

55 10.0 56.9 85.3#



#16

Acetone

Concen: 1.871 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010434.D

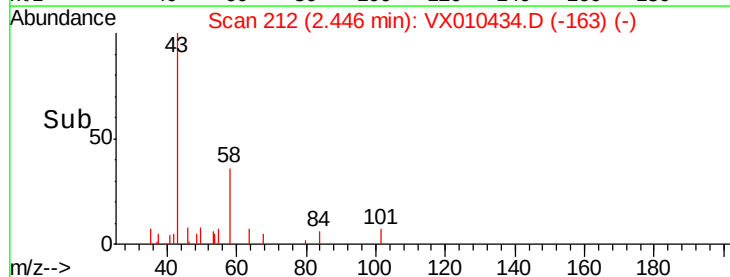
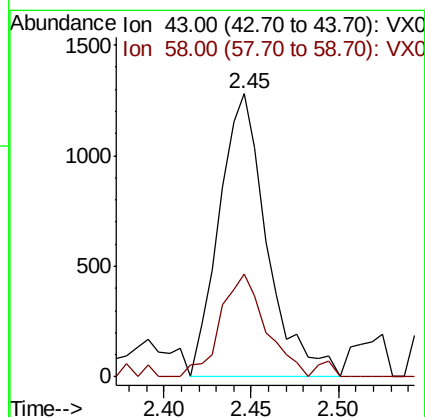
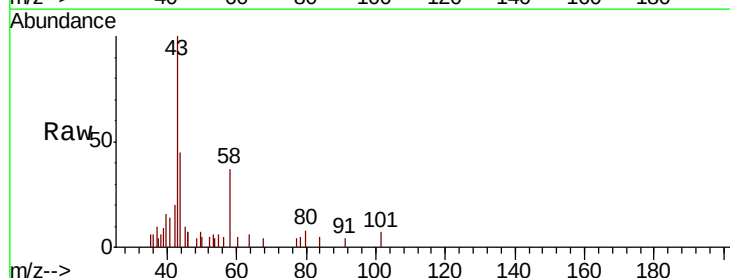
Acq: 25 Jun 2019 15:32

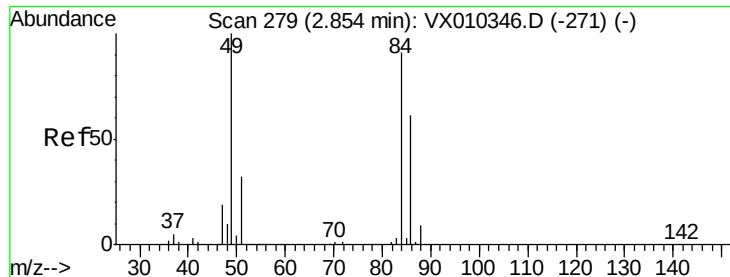
Tgt Ion: 43 Resp: 2434

Ion Ratio Lower Upper

43 100

58 36.5 28.9 43.3

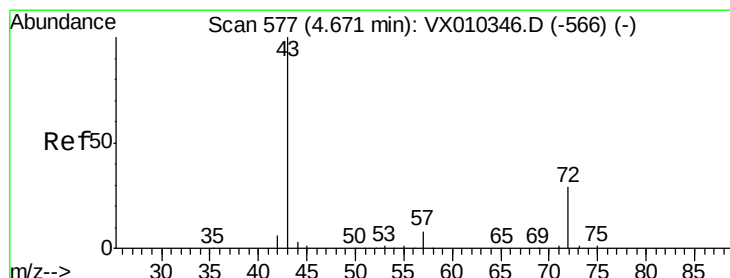
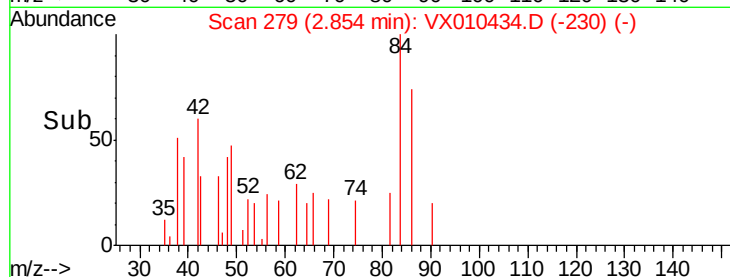
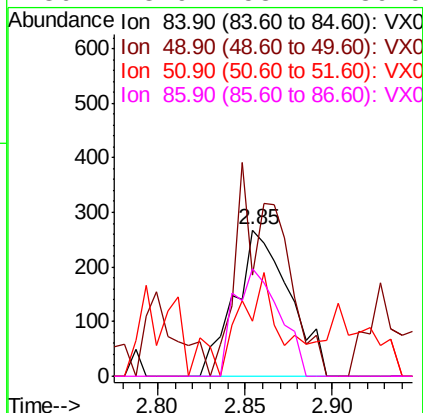
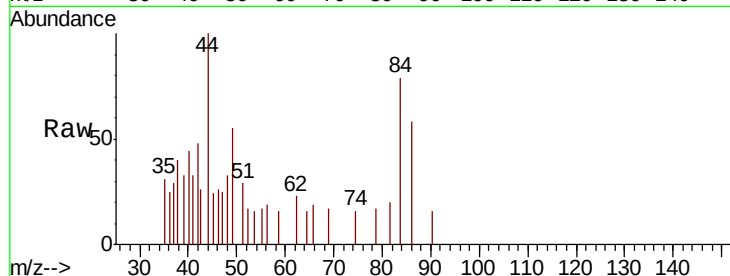




#20
Methylene Chloride
Concen: 0.218 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010434.D
Acq: 25 Jun 2019 15:32

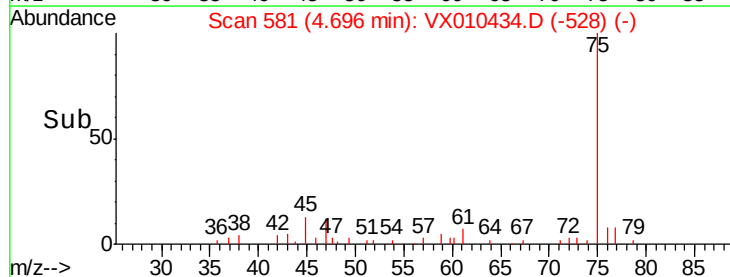
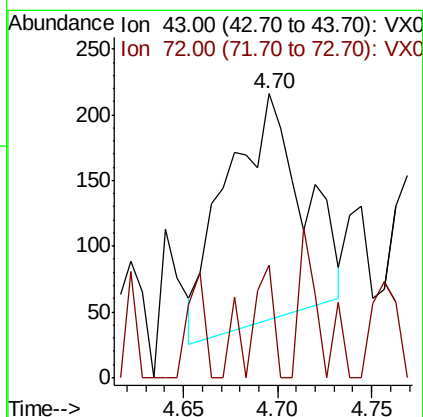
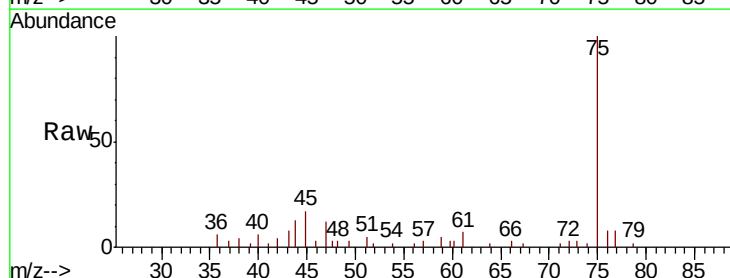
Instrument :
MSVOA_X
ClientSampleId :
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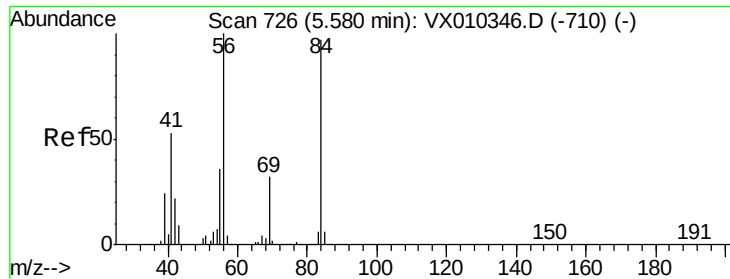
Tot Ion: 84 Resp: 584
Ion Ratio Lower Upper
84 100
49 69.4 87.5 131.3#
51 37.3 27.7 41.5
86 73.9 53.4 80.0



#25
2-Butanone
Concen: 0.256 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.02 min
Lab File: VX010434.D
Acq: 25 Jun 2019 15:32

Tgt Ion: 43 Resp: 489
Ion Ratio Lower Upper
43 100
72 19.9 23.3 34.9#

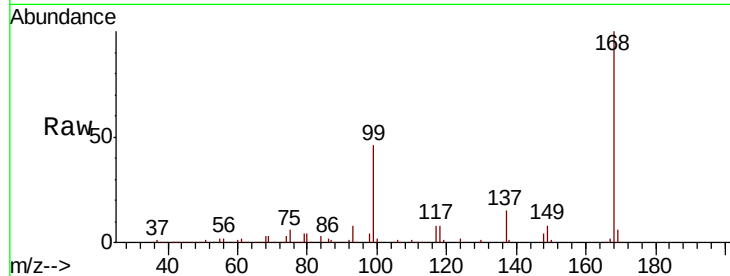




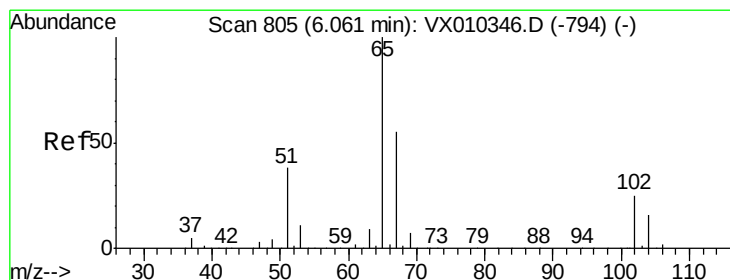
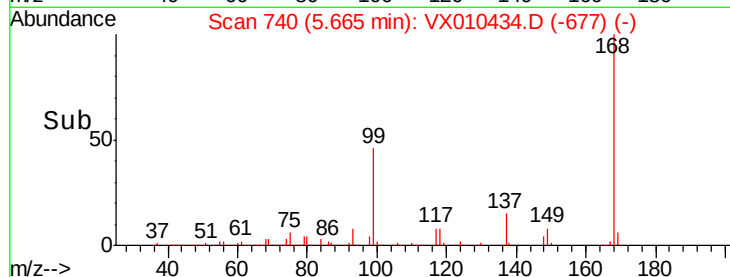
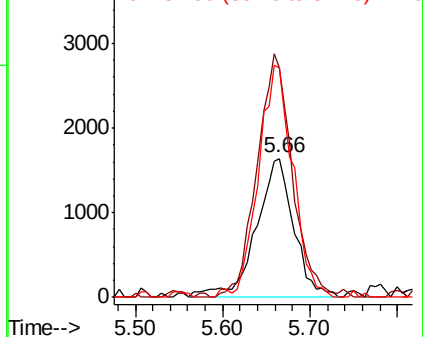
#31
Cyclohexane
Concen: 1.314 ug/l
RT: 5.66 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX010434.D
Acq: 25 Jun 2019 15:32

Instrument :
MSVOA_X
ClientSampleId :
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Tot Ion: 56 Resp: 4928
Ion Ratio Lower Upper
56 100
69 165.6 25.9 38.9#
84 165.1 78.0 117.0#

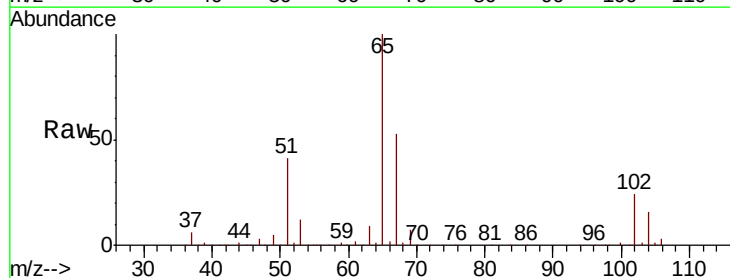


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

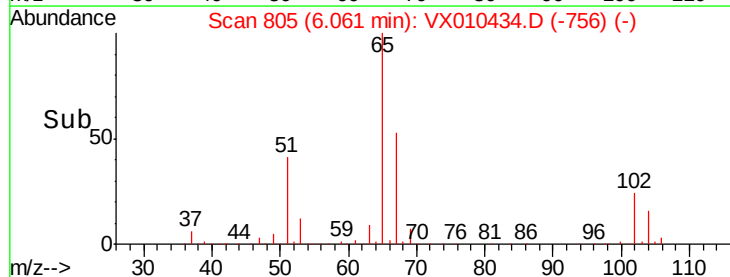
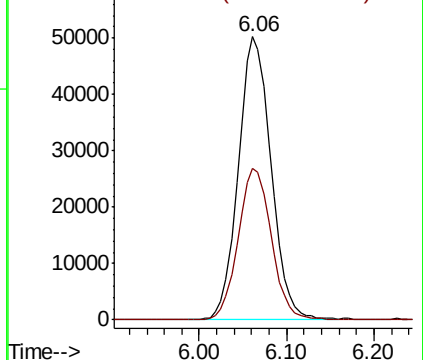


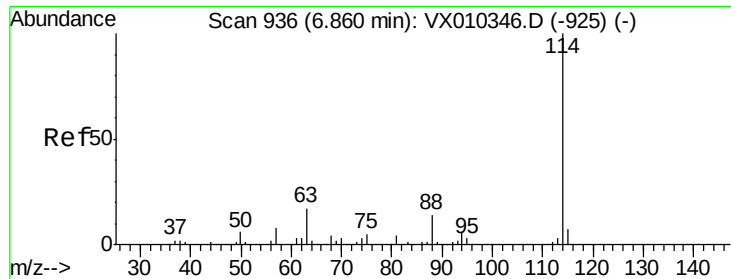
#33
1,2-Dichloroethane-d4
Concen: 50.213 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX010434.D
Acq: 25 Jun 2019 15:32

Tgt Ion: 65 Resp: 130375
Ion Ratio Lower Upper
65 100
67 54.4 0.0 110.2



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010434.D

Acq: 25 Jun 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

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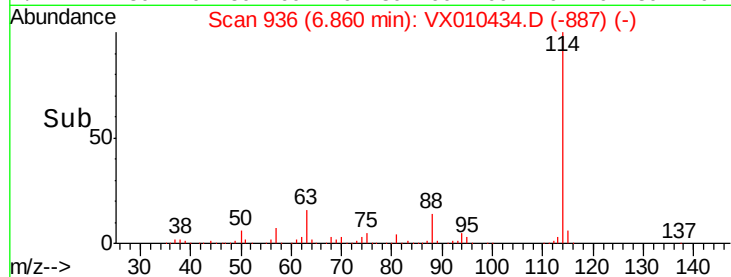
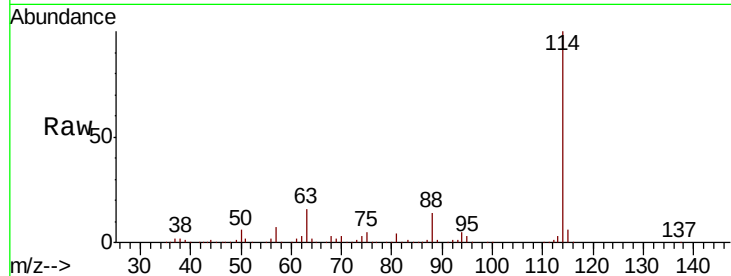
Tot Ion:114 Resp: 426638

Ion Ratio Lower Upper

114 100

63 16.0 0.0 33.8

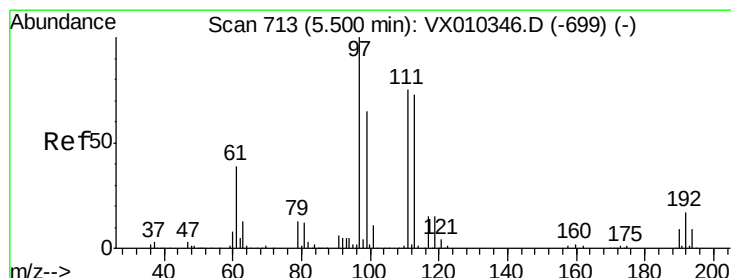
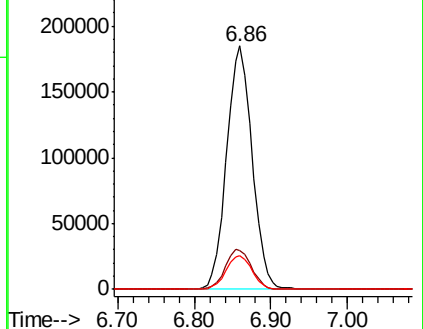
88 13.7 0.0 27.6



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: 49.190 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010434.D

Acq: 25 Jun 2019 15:32

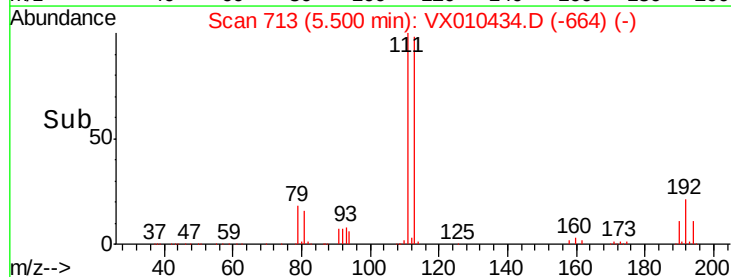
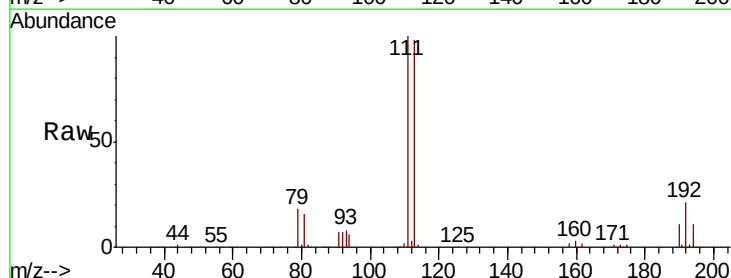
Tgt Ion:113 Resp: 128401

Ion Ratio Lower Upper

113 100

111 102.9 81.2 121.8

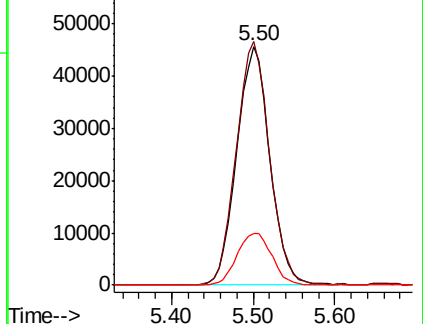
192 23.2 18.6 27.8

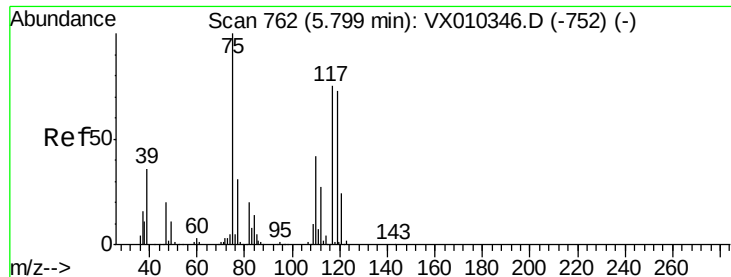


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.175 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010434.D

Acq: 25 Jun 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

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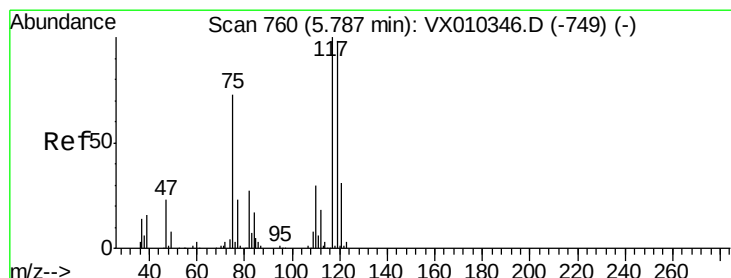
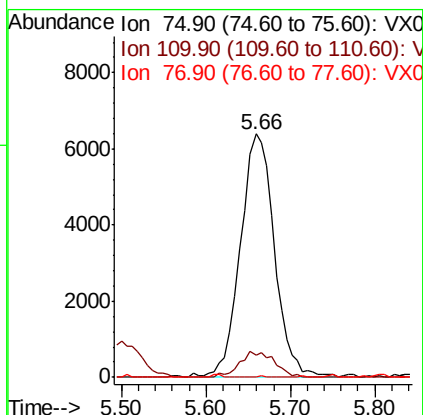
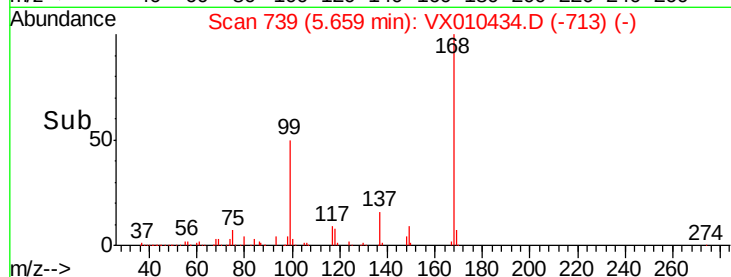
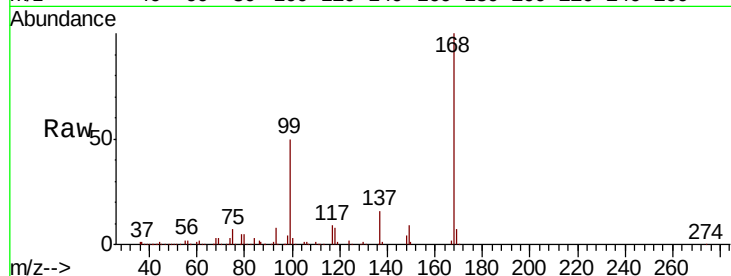
Tot Ion: 75 Resp: 17544

Ion Ratio Lower Upper

75 100

110 10.9 20.8 62.2#

77 0.1 25.4 38.0#



#38

Carbon Tetrachloride

Concen: 6.677 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010434.D

Acq: 25 Jun 2019 15:32

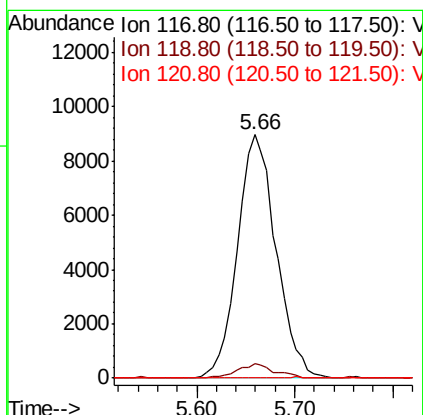
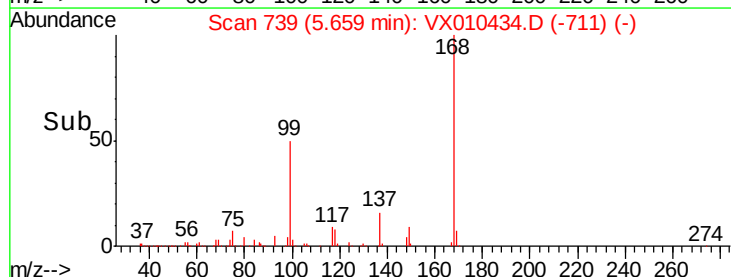
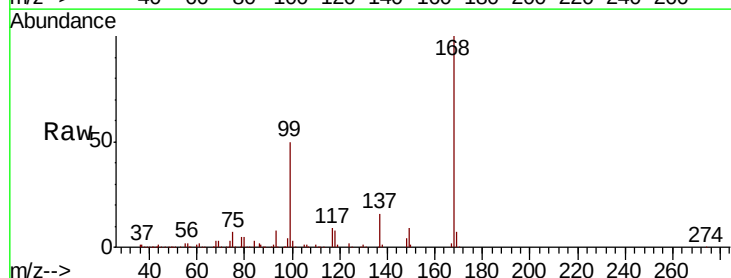
Tgt Ion: 117 Resp: 24514

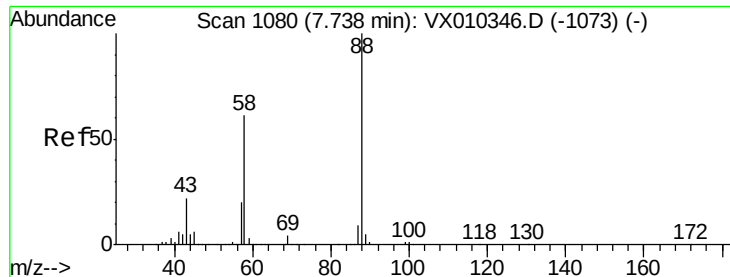
Ion Ratio Lower Upper

117 100

119 5.9 78.2 117.4#

121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 0.984 ug/l

RT: 7.71 min Scan# 1076

Delta R.T. -0.02 min

Lab File: VX010434.D

Acq: 25 Jun 2019 15:32

Instrument :

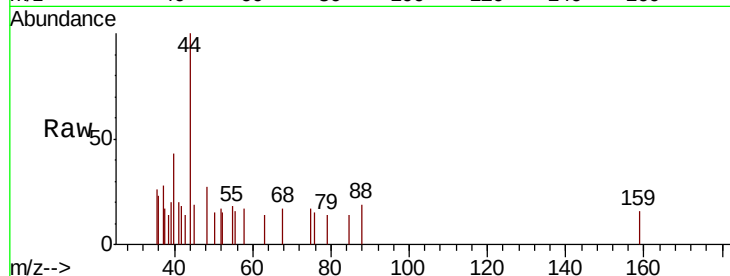
MSVOA_X

ClientSampleId :

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Tot Ion: 88 Resp: 76

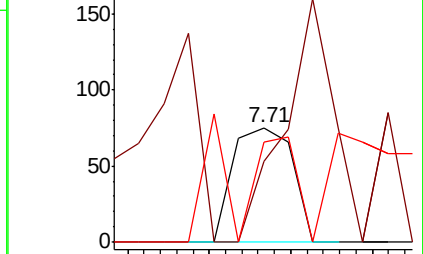
Ion	Ratio	Lower	Upper
88	100		
43	0.0	20.2	30.2#
58	64.5	49.5	74.3



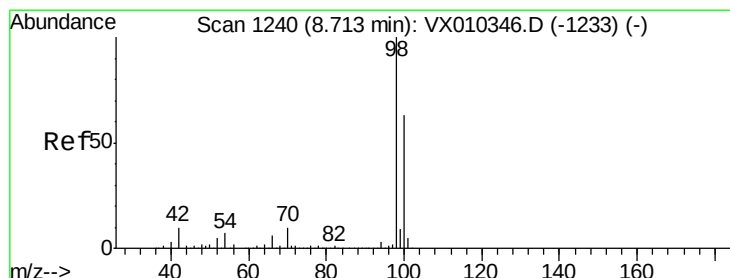
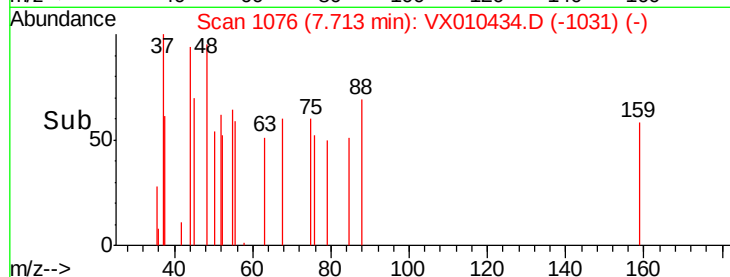
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 50.029 ug/l

RT: 8.71 min Scan# 1240

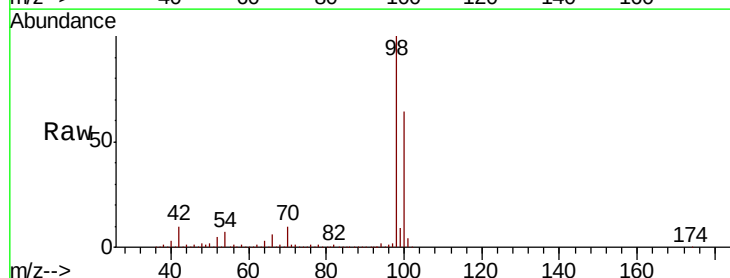
Delta R.T. -0.00 min

Lab File: VX010434.D

Acq: 25 Jun 2019 15:32

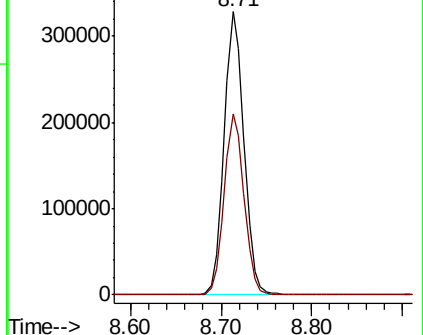
Tgt Ion: 98 Resp: 499621

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4

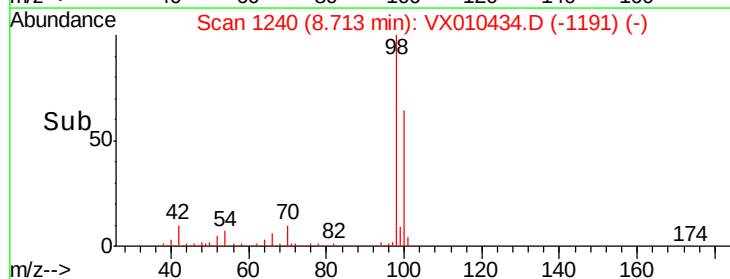


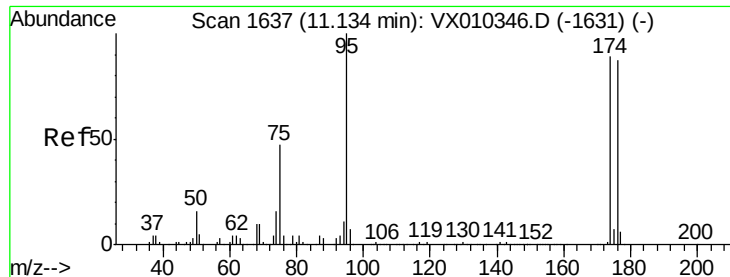
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->

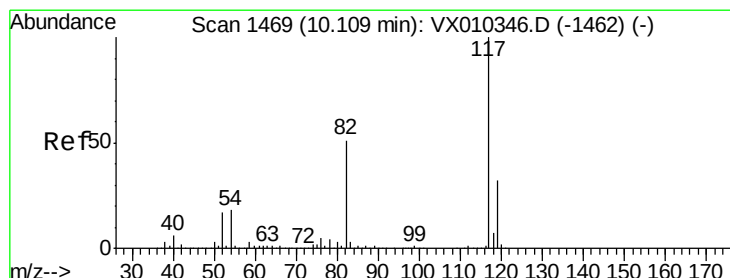
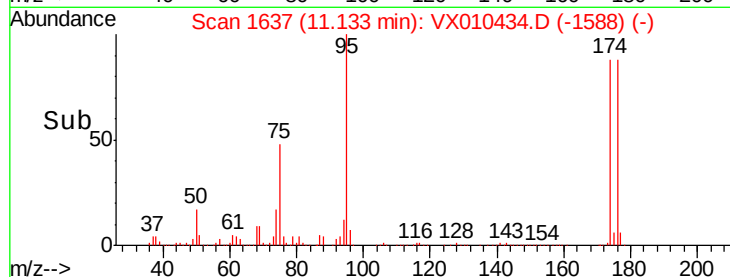
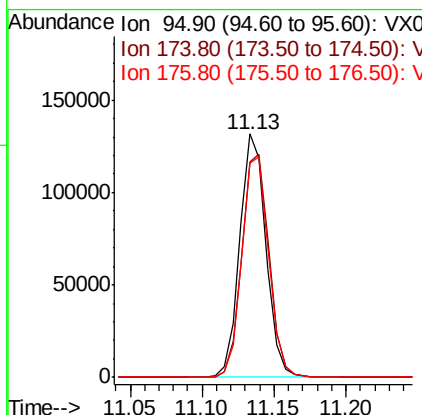
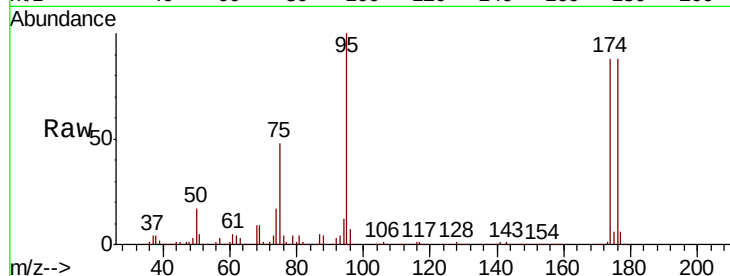




#62
4-Bromofluorobenzene
Concen: 45.986 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010434.D
Acq: 25 Jun 2019 15:32

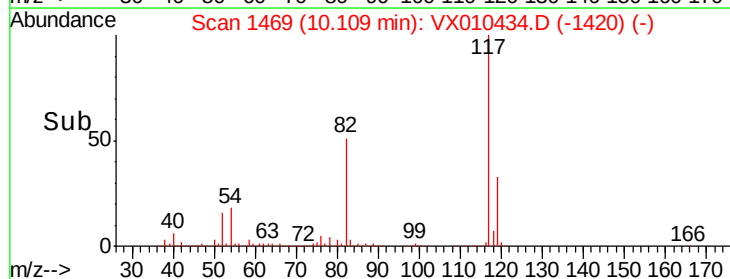
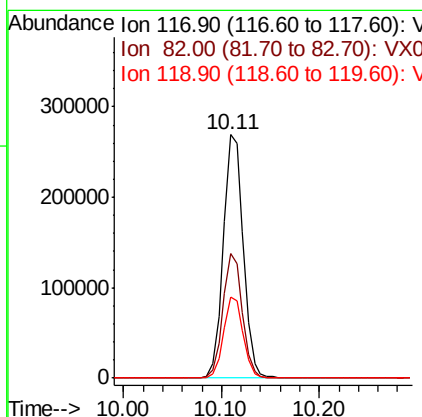
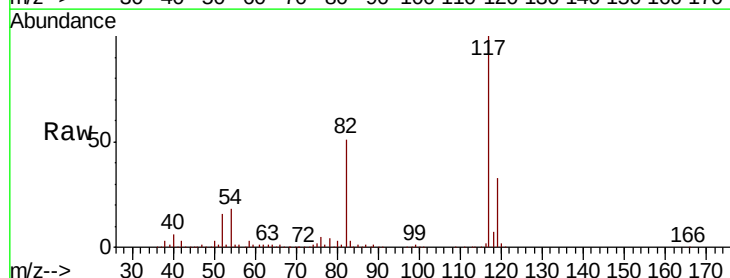
Instrument :
MSVOA_X
ClientSampleId :
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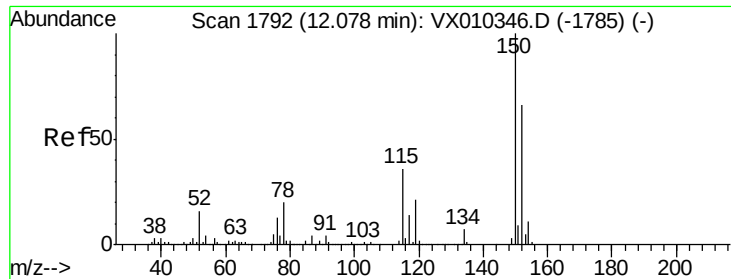
Tot Ion	95	Resp	165800
Ion	Ratio	Lower	Upper
95	100		
174	94.8	0.0	187.6
176	92.7	0.0	184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010434.D
Acq: 25 Jun 2019 15:32

Tgt Ion	117	Resp	380391
Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.2	61.8
119	33.1	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010434.D

Acq: 25 Jun 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

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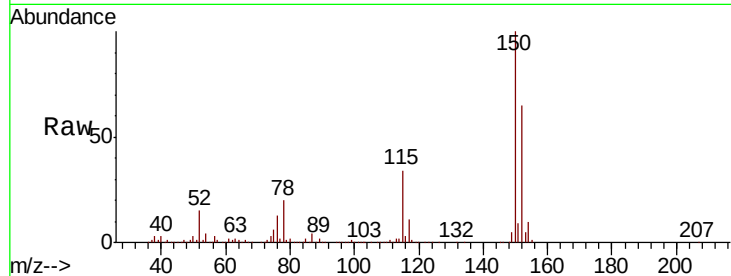
Tot Ion:152 Resp: 175430

Ion Ratio Lower Upper

152 100

115 54.4 38.6 115.7

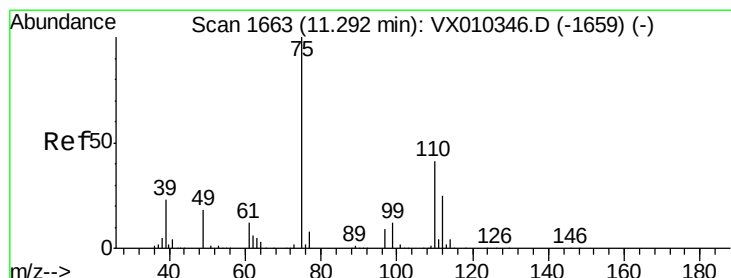
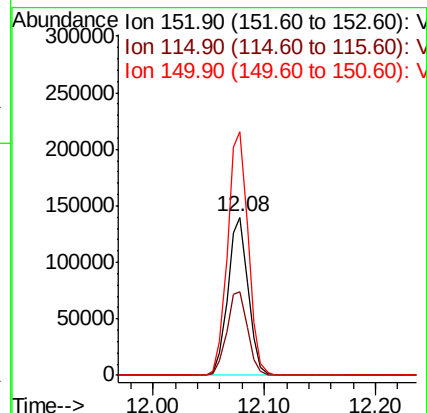
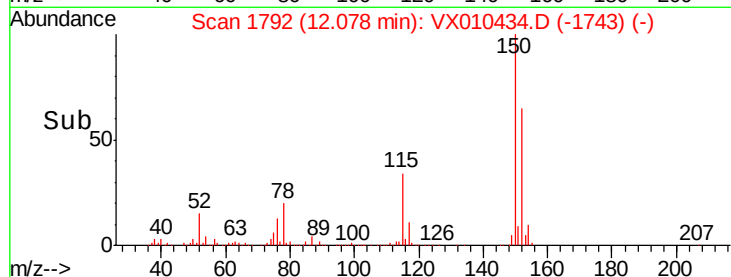
150 156.2 0.0 347.4



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: 24.327 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010434.D

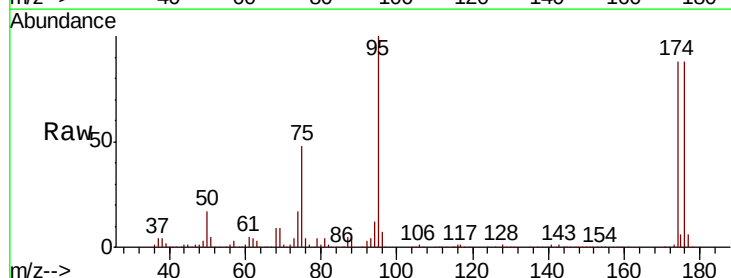
Acq: 25 Jun 2019 15:32

Tgt Ion: 75 Resp: 77769

Ion Ratio Lower Upper

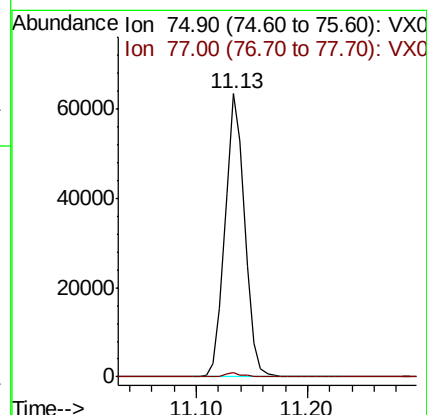
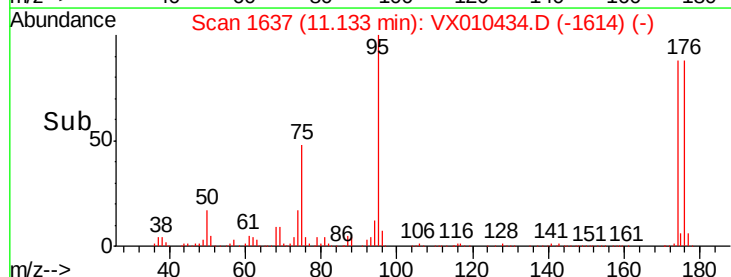
75 100

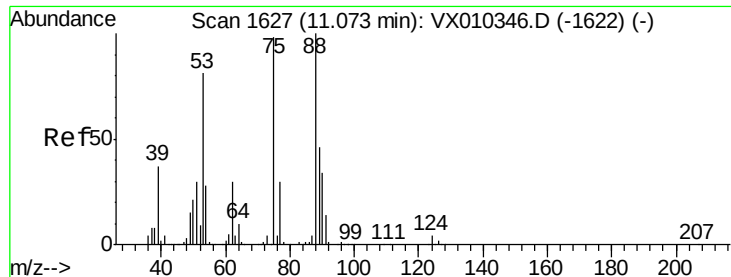
77 1.4 22.6 67.8#



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: 56.753 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010434.D

Acq: 25 Jun 2019 15:32

Instrument :

MSVOA_X

ClientSampleId :

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Tot Ion: 75 Resp: 77769

Ion Ratio Lower Upper

75 100

53 0.2 66.1 99.1#

89 0.1 37.8 56.6#

