

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122618\
 Data File : VX006814.D
 Acq On : 26 Dec 2018 13:23
 Operator : JC/MD
 Sample : J6549-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
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Quant Time: Dec 27 03:03:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	689446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1019904	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	924410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	456675	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	344831	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
35) Dibromofluoromethane	5.50	113	304499	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
50) Toluene-d8	8.71	98	1188070	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
62) 4-Bromofluorobenzene	11.13	95	425498	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	

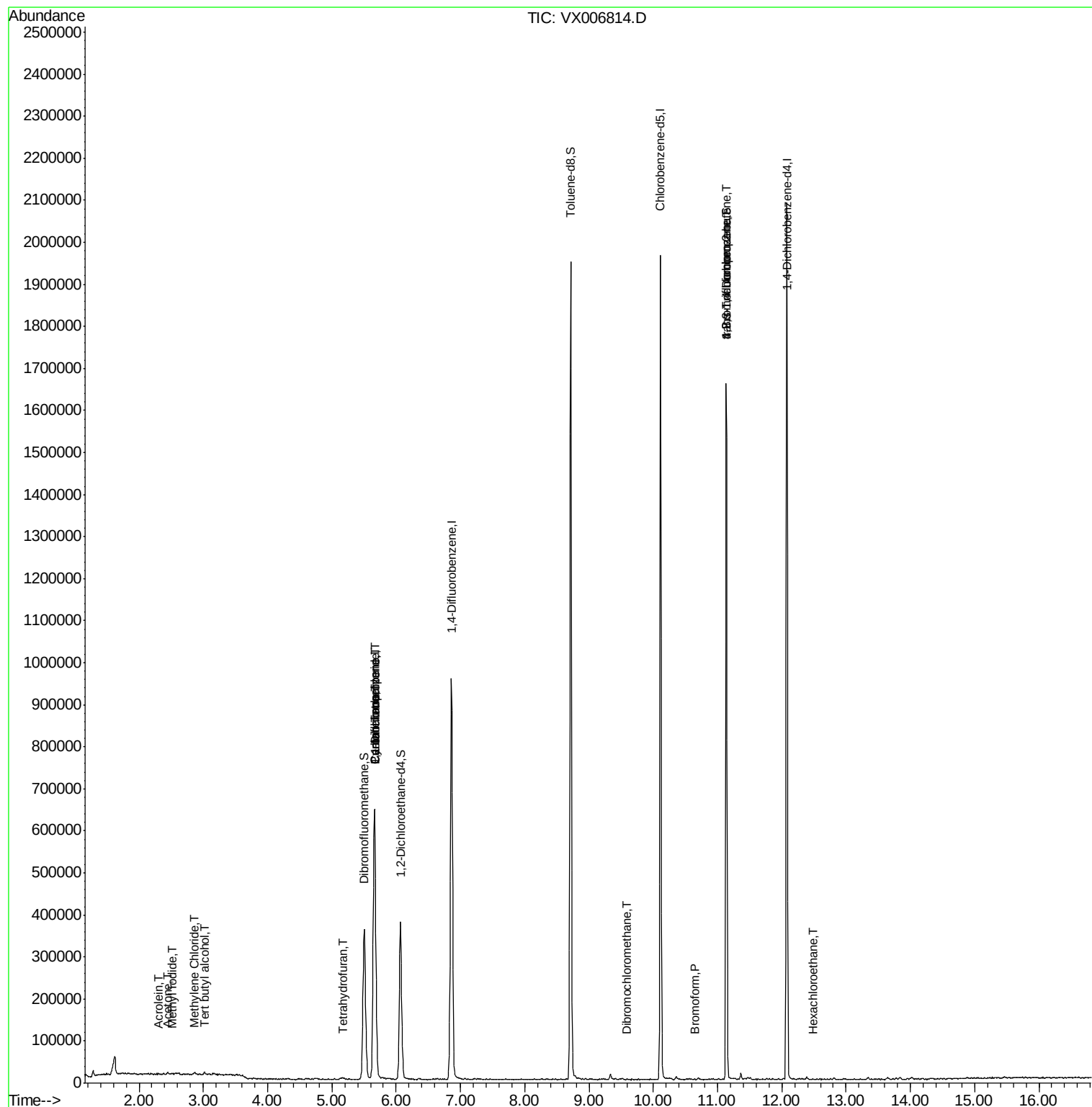
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1055	Below Cal	#	69
10) Methyl Iodide	2.52	142	1966	0.211	ug/l #	79
11) Tert butyl alcohol	3.01	59	4468	2.694	ug/l #	75
13) Acrolein	2.29	56	351	0.314	ug/l	93
16) Acetone	2.45	43	3864	1.132	ug/l	97
20) Methylene Chloride	2.86	84	2692	0.381	ug/l #	76
28) Bromochloromethane	5.03	49	305	Below Cal	#	29
29) Tetrahydrofuran	5.17	42	3108	0.983	ug/l #	85
31) Cyclohexane	5.66	56	12592	1.224	ug/l #	18
36) 1,1-Dichloropropene	5.66	75	43804	5.186	ug/l #	45
38) Carbon Tetrachloride	5.67	117	62529	7.617	ug/l #	14
49) 1,4-Dioxane	7.75	88	519	Below Cal	#	57
60) Dibromochloromethane	9.59	129	150	2.344	ug/l	92
71) Bromoform	10.65	173	116	4.479	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	204702	24.120	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	204702	71.422	ug/l #	10
90) Hexachloroethane	12.49	117	48	3.304	ug/l	71

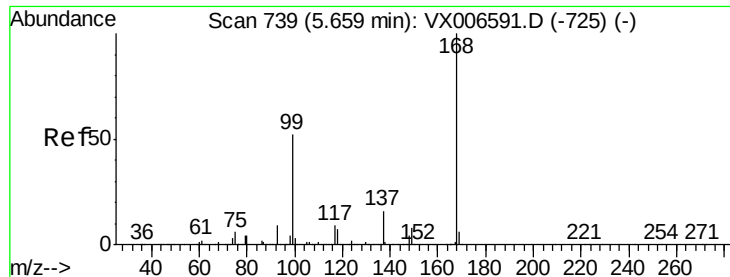
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX122618\
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FIELD-BLANK

Quant Time: Dec 27 03:03:00 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006814.D

Acq: 26 Dec 2018 13:23

Instrument :

MSVOA_X

ClientSampled :

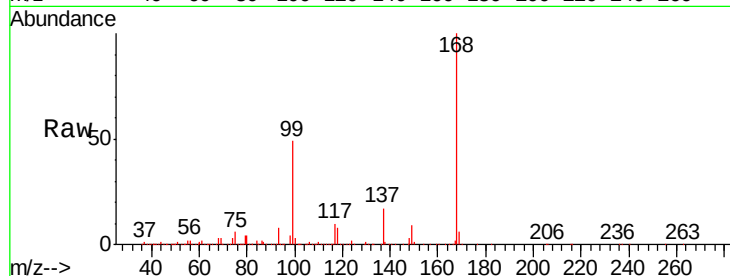
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Tgt Ion:168 Resp: 689446

Ion Ratio Lower Upper

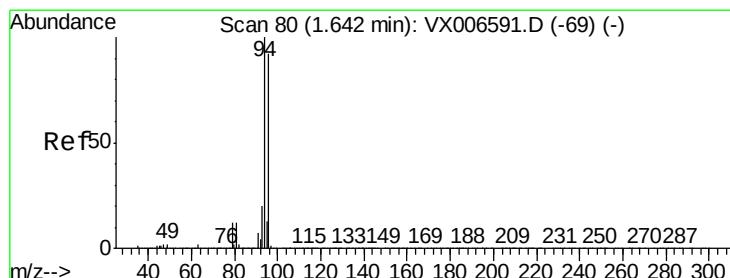
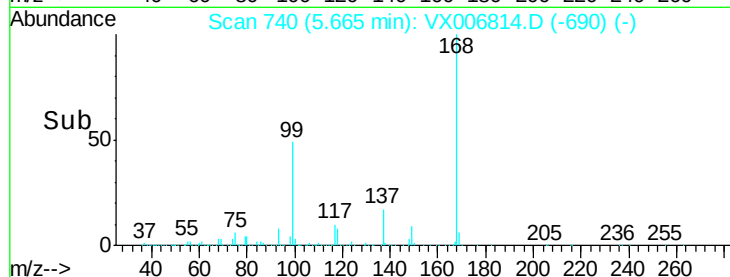
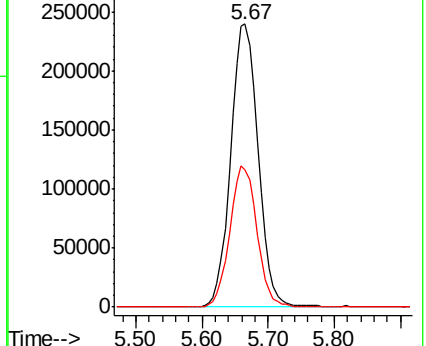
168 100

99 48.7 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006814.D

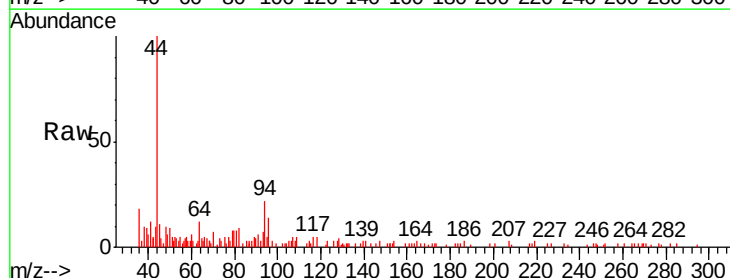
Acq: 26 Dec 2018 13:23

Tgt Ion: 94 Resp: 1055

Ion Ratio Lower Upper

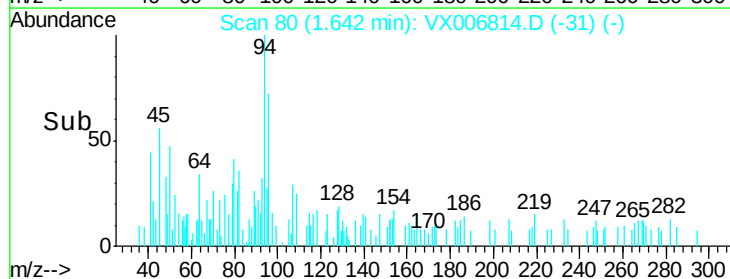
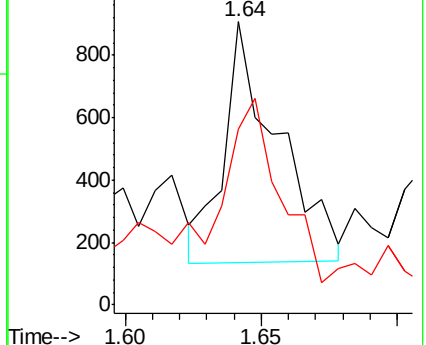
94 100

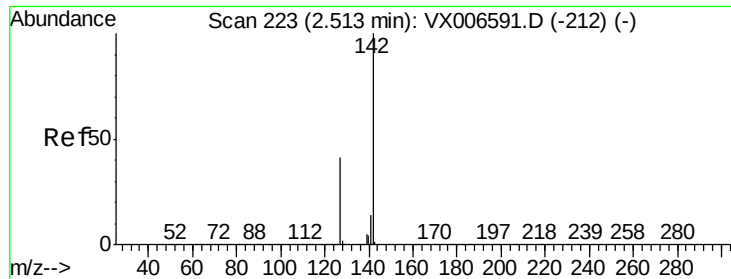
96 62.6 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

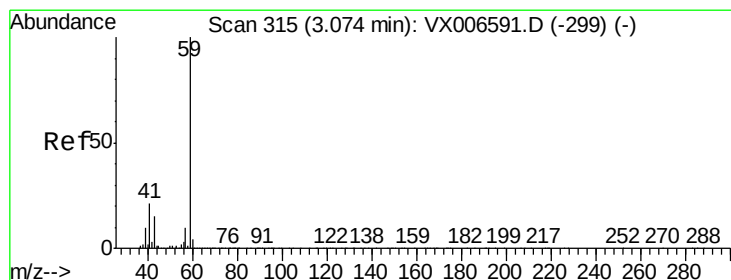
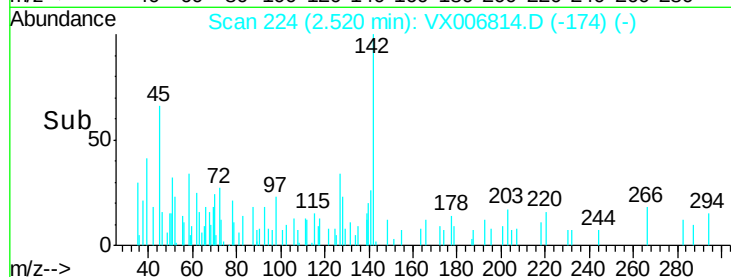
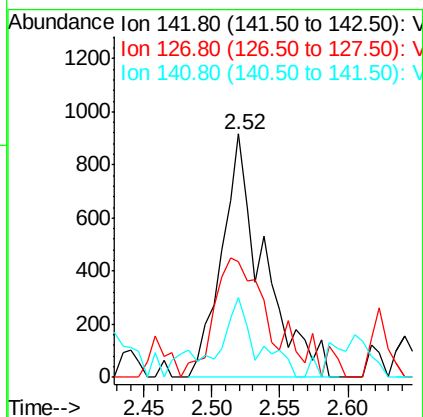
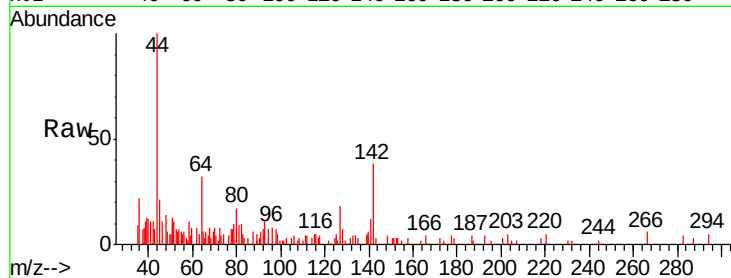




#10
Methyl Iodide
Concen: 0.211 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX006814.D
Acq: 26 Dec 2018 13:23

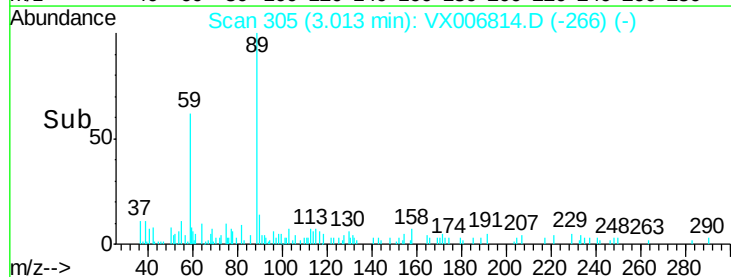
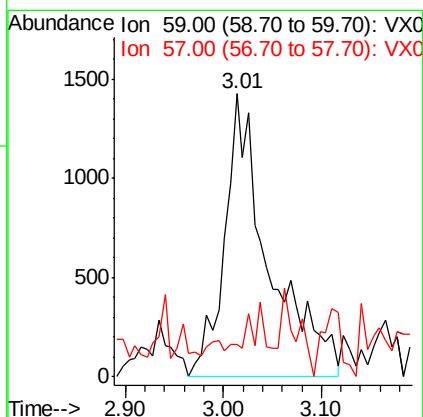
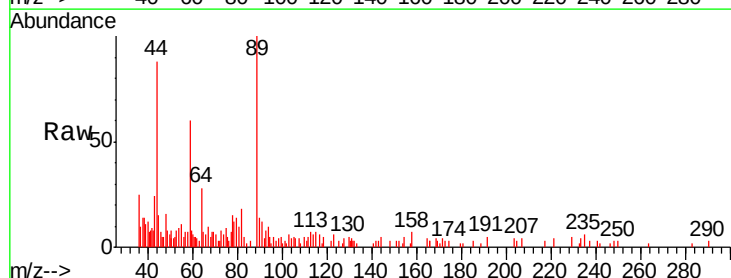
Instrument :
MSVOA_X
ClientSampleId :
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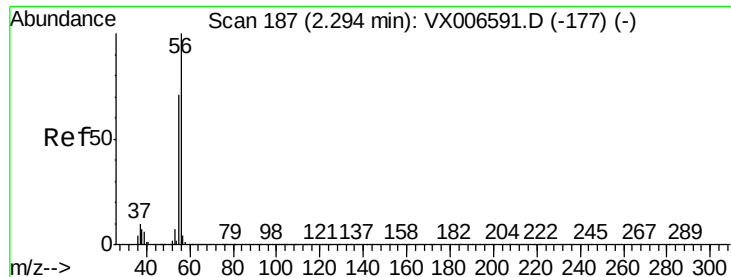
Tgt Ion:142 Resp: 1966
Ion Ratio Lower Upper
142 100
127 55.4 33.9 50.9#
141 23.5 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.694 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.06 min
Lab File: VX006814.D
Acq: 26 Dec 2018 13:23

Tgt Ion: 59 Resp: 4468
Ion Ratio Lower Upper
59 100
57 1.3 8.5 12.7#





#13

Acrolein

Concen: 0.314 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006814.D

Acq: 26 Dec 2018 13:23

Instrument :

MSVOA_X

ClientSampled :

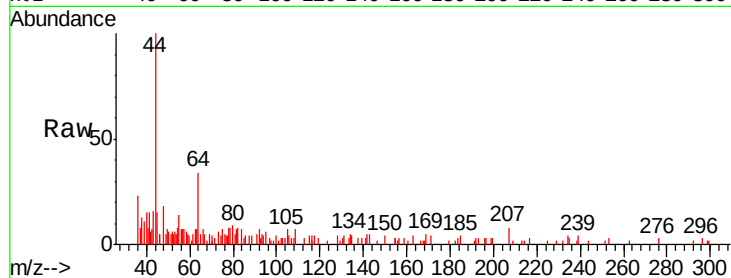
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Tgt Ion: 56 Resp: 351

Ion Ratio Lower Upper

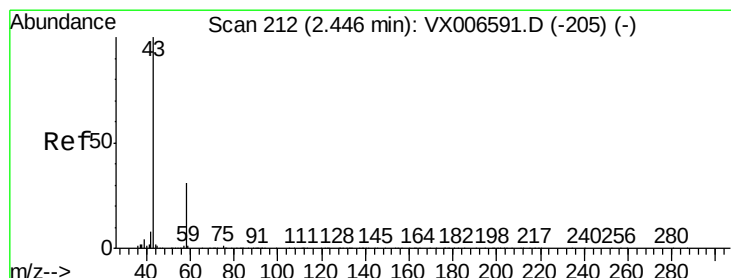
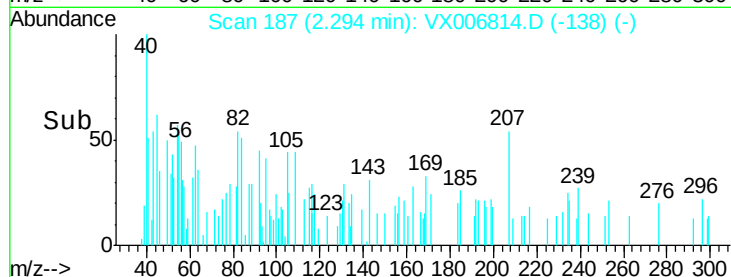
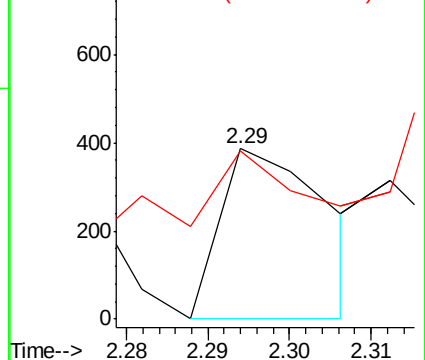
56 100

55 78.3 58.2 87.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.132 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006814.D

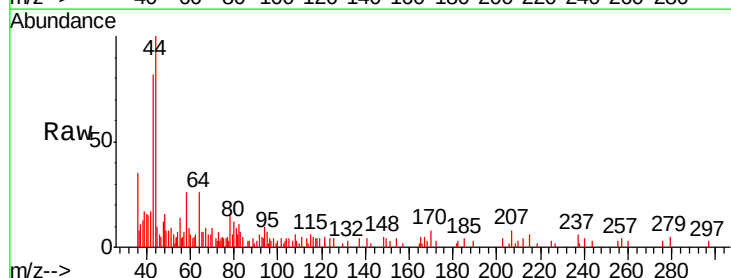
Acq: 26 Dec 2018 13:23

Tgt Ion: 43 Resp: 3864

Ion Ratio Lower Upper

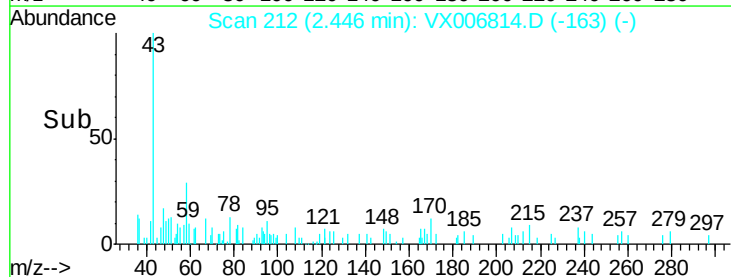
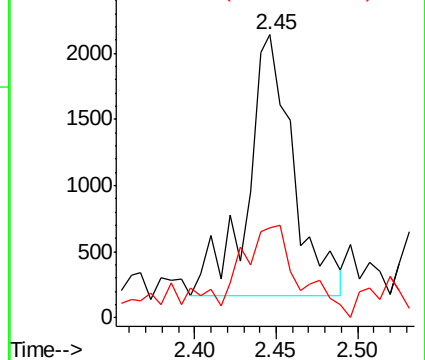
43 100

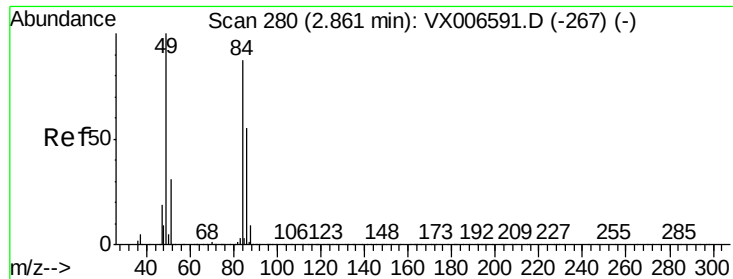
58 29.6 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

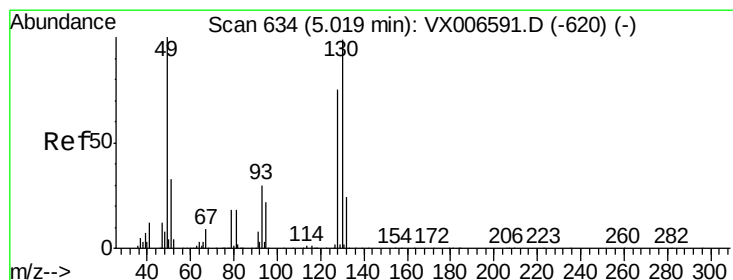
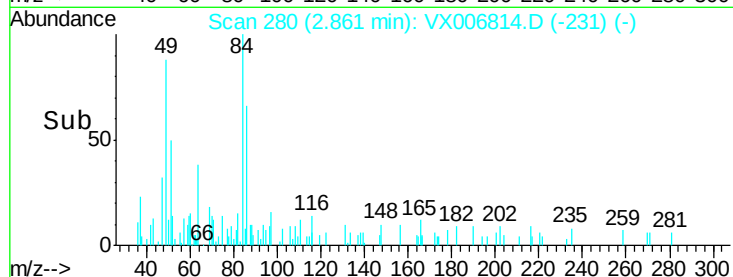
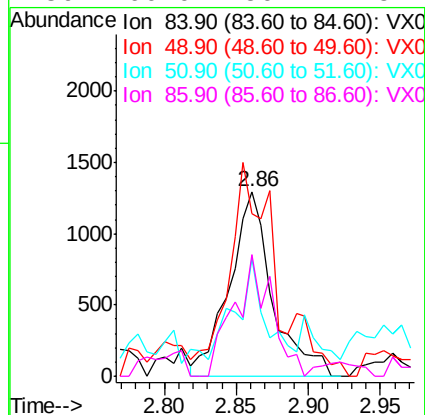
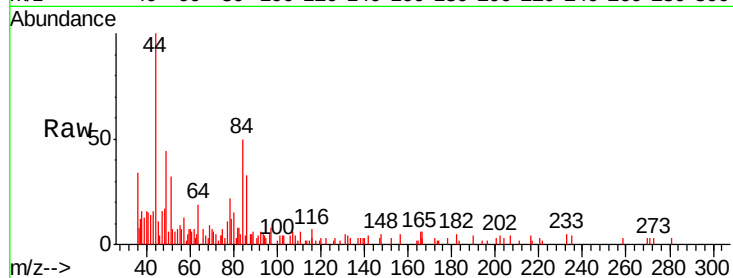




#20
Methylene Chloride
Concen: 0.381 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006814.D
Acq: 26 Dec 2018 13:23

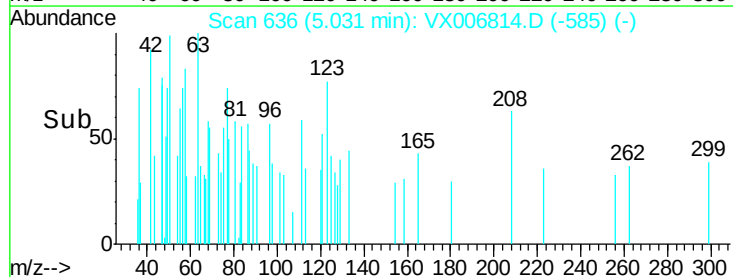
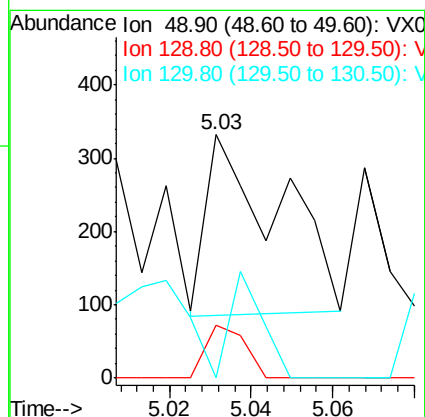
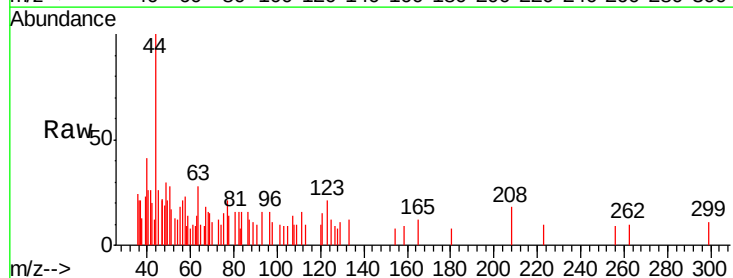
Instrument :
MSVOA_X
ClientSampled :
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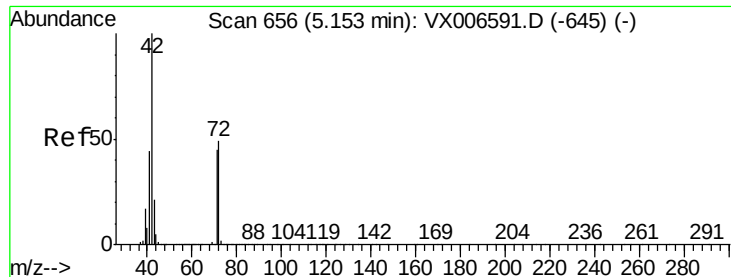
Tgt Ion:	84	Resp:	2692
Ion	Ratio	Lower	Upper
84	100		
49	79.8	91.8	137.6#
51	54.5	28.5	42.7#
86	66.0	50.2	75.2



#28
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 636
Delta R.T. 0.01 min
Lab File: VX006814.D
Acq: 26 Dec 2018 13:23

Tgt Ion:	49	Resp:	305
Ion	Ratio	Lower	Upper
49	100		
129	15.7	0.0	5.4#
130	25.9	77.7	116.5#





#29

Tetrahydrofuran

Concen: 0.983 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX006814.D

Acq: 26 Dec 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANK

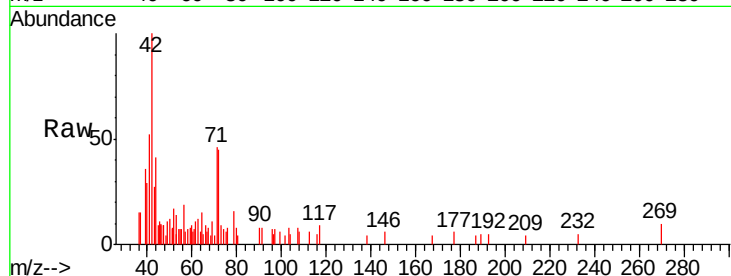
Tgt Ion: 42 Resp: 3108

Ion Ratio Lower Upper

42 100

72 52.9 38.9 58.3

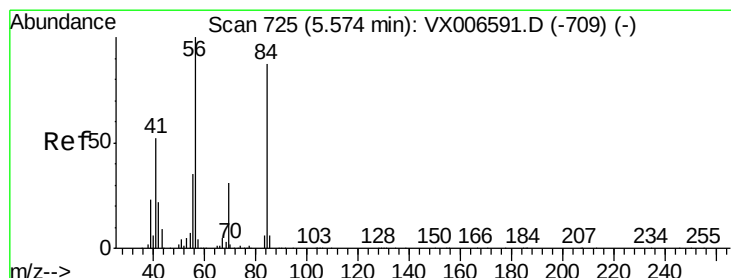
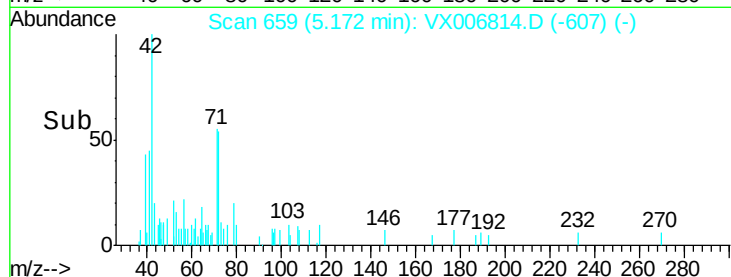
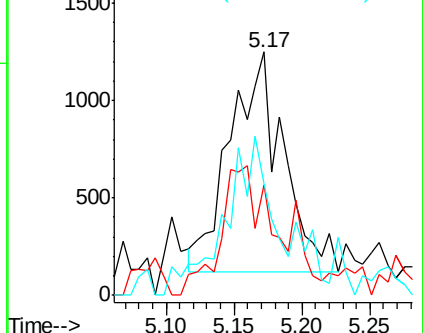
71 61.6 36.2 54.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.224 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX006814.D

Acq: 26 Dec 2018 13:23

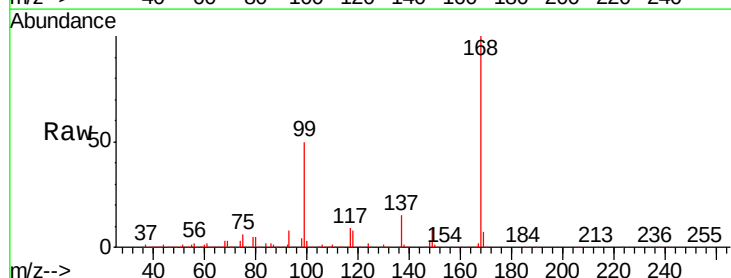
Tgt Ion: 56 Resp: 12592

Ion Ratio Lower Upper

56 100

69 170.9 24.4 36.6#

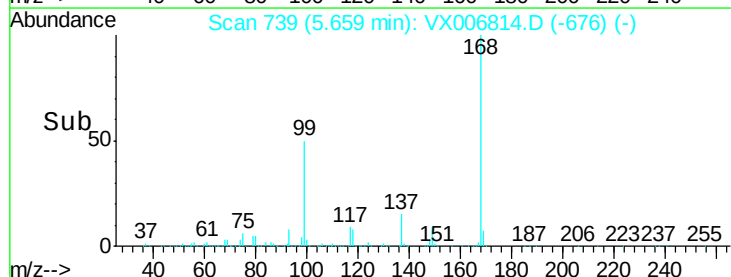
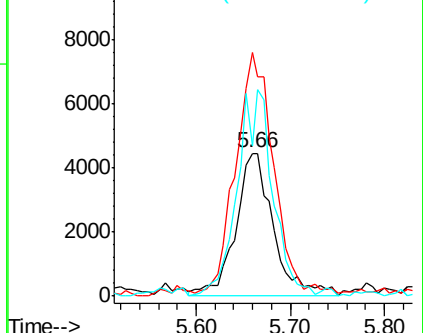
84 107.2 70.0 105.0#

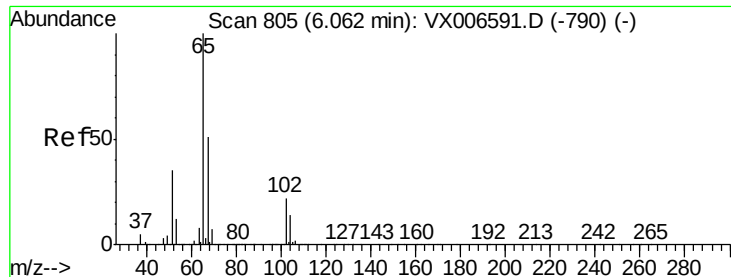


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

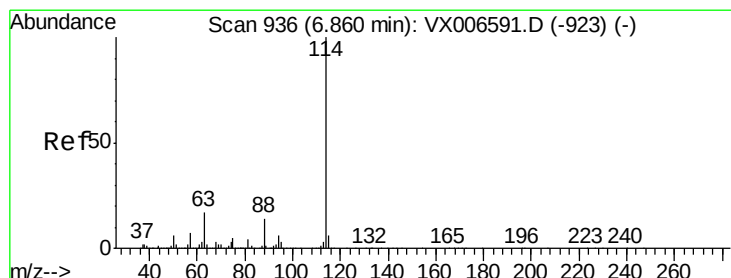
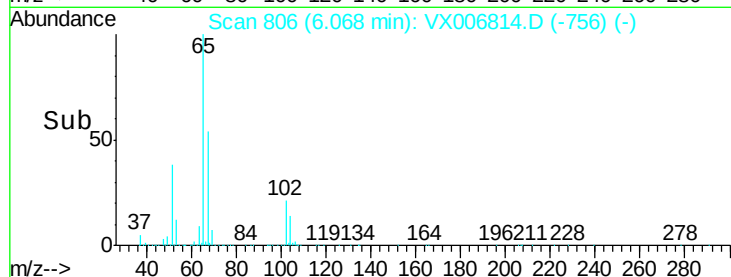
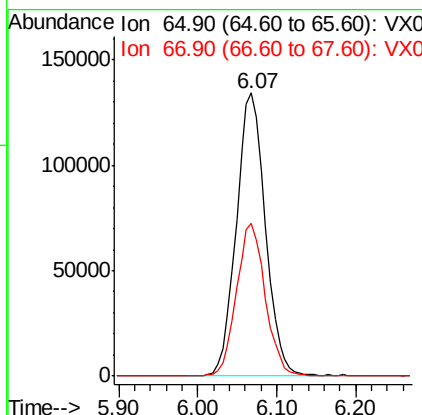
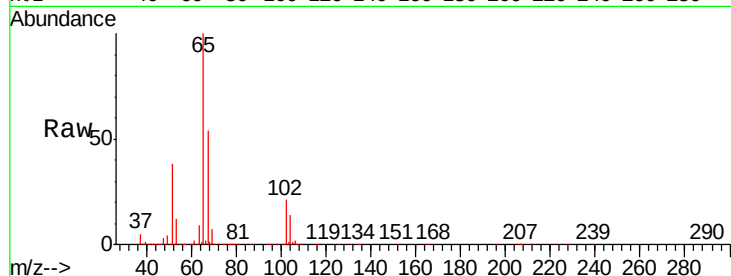




#33
 1,2-Dichloroethane-d4
 Concen: 46.407 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006814.D
 Acq: 26 Dec 2018 13:23

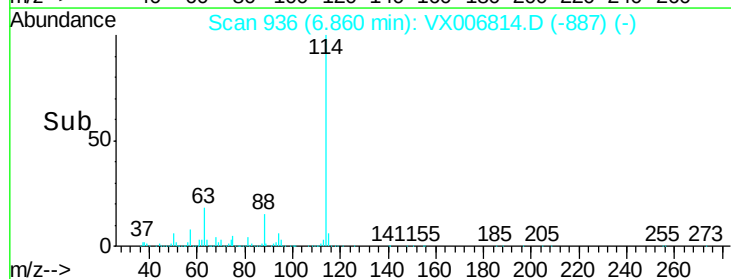
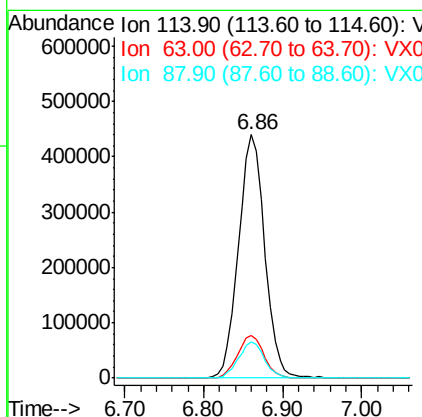
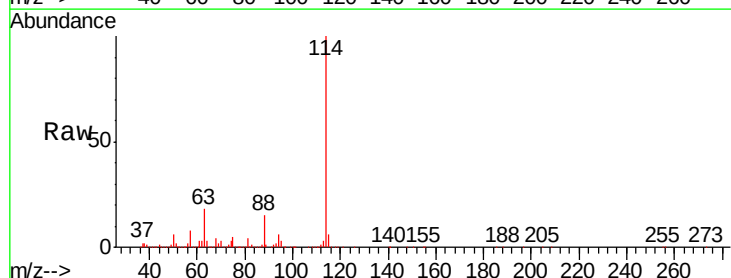
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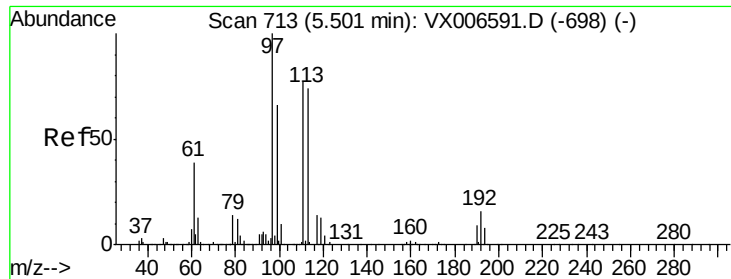
Tgt Ion: 65 Resp: 344831
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006814.D
 Acq: 26 Dec 2018 13:23

Tgt Ion: 114 Resp: 1019904
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 34.8
 88 15.0 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.211 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006814.D

Acq: 26 Dec 2018 13:23

Instrument :

MSVOA_X

ClientSampled :

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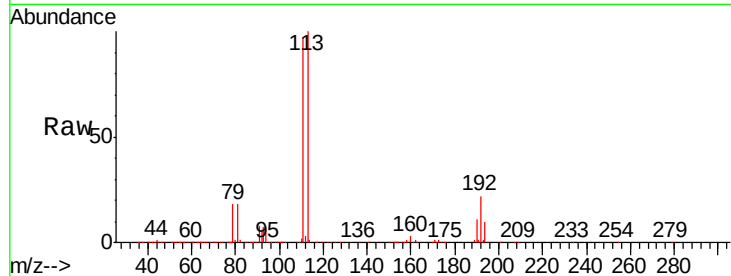
Tgt Ion:113 Resp: 304499

Ion Ratio Lower Upper

113 100

111 102.1 81.6 122.4

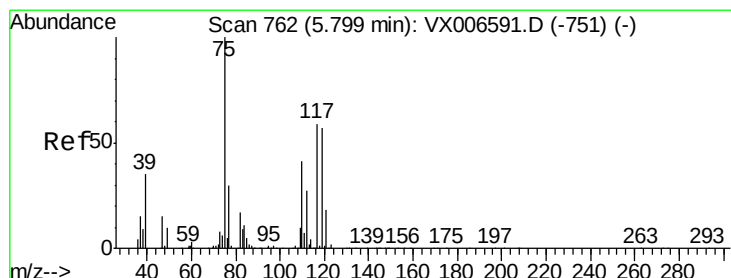
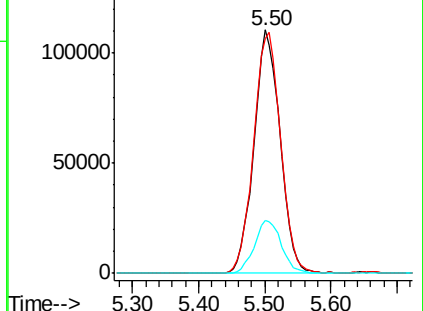
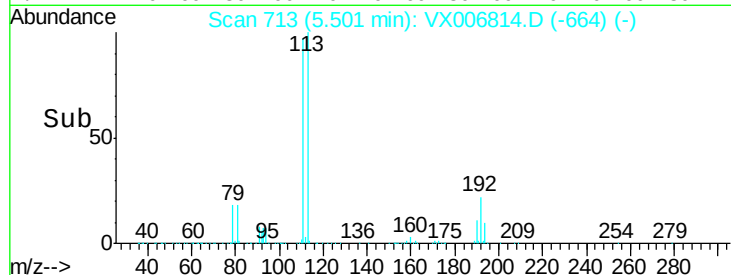
192 22.3 16.7 25.1



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: 5.186 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006814.D

Acq: 26 Dec 2018 13:23

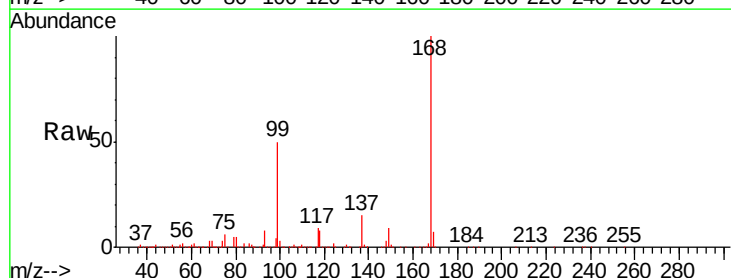
Tgt Ion: 75 Resp: 43804

Ion Ratio Lower Upper

75 100

110 6.5 20.2 60.5#

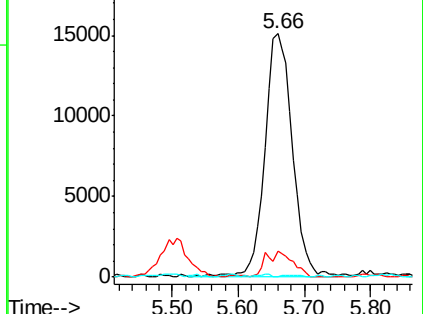
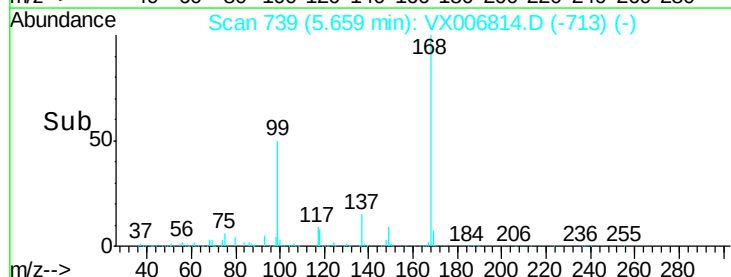
77 0.0 24.8 37.2#

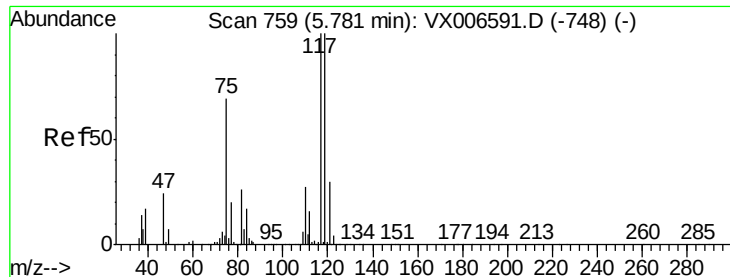


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.617 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006814.D

Acq: 26 Dec 2018 13:23

Instrument :

MSVOA_X

ClientSampled :

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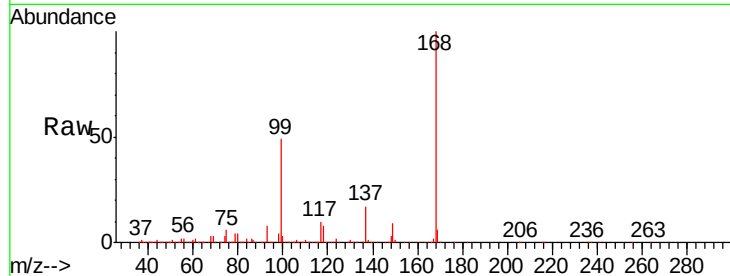
Tgt Ion: 117 Resp: 62529

Ion Ratio Lower Upper

117 100

119 4.9 79.4 119.2#

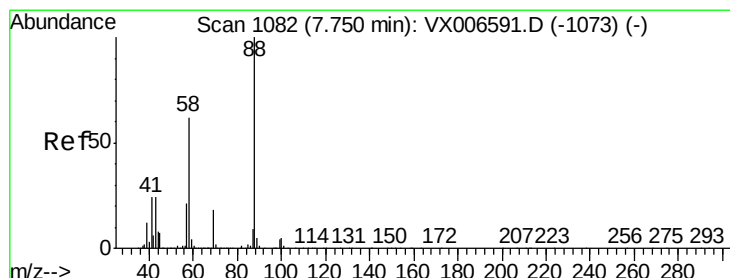
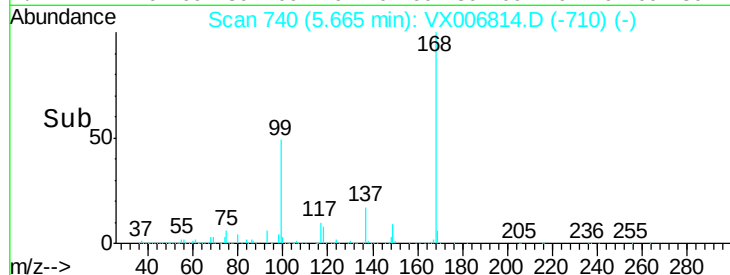
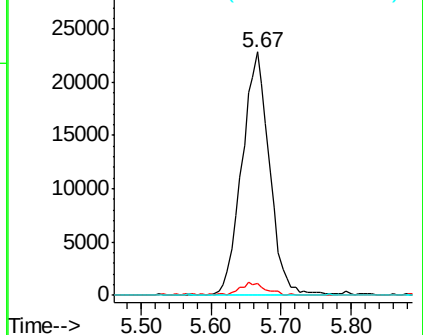
121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006814.D

Acq: 26 Dec 2018 13:23

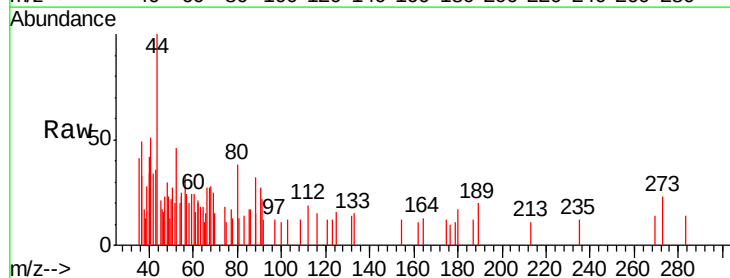
Tgt Ion: 88 Resp: 519

Ion Ratio Lower Upper

88 100

43 63.4 22.2 33.4#

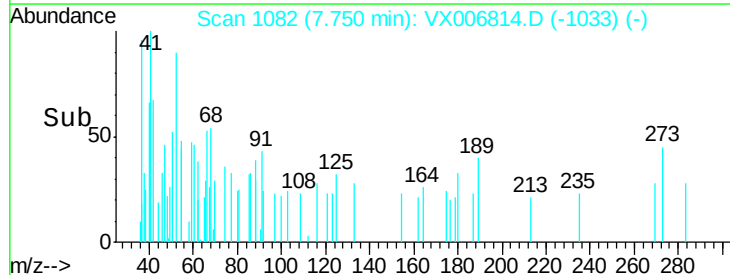
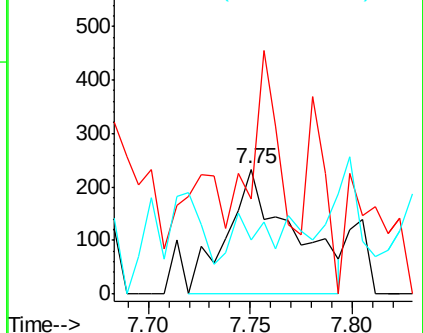
58 38.5 51.0 76.4#

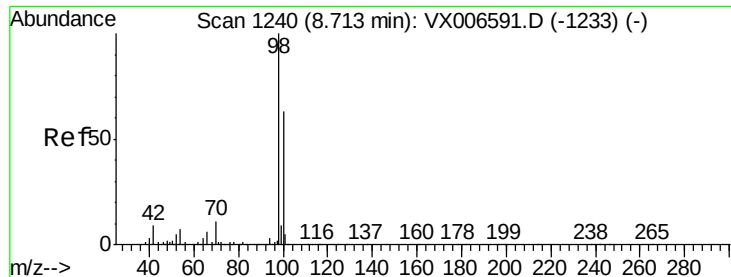


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.861 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006814.D

Acq: 26 Dec 2018 13:23

Instrument :

MSVOA_X

ClientSampled :

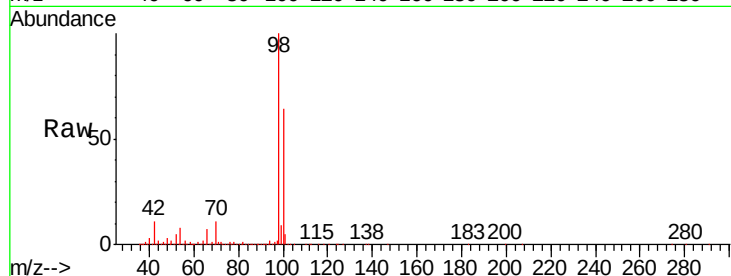
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Tgt Ion: 98 Resp: 1188070

Ion Ratio Lower Upper

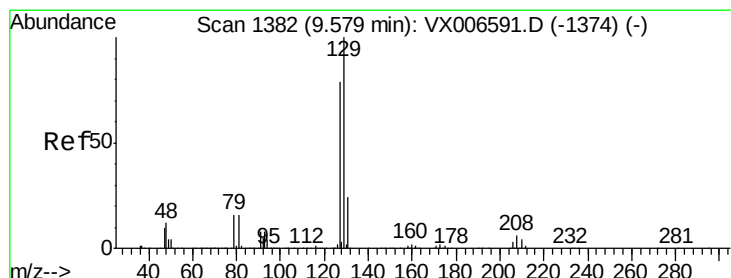
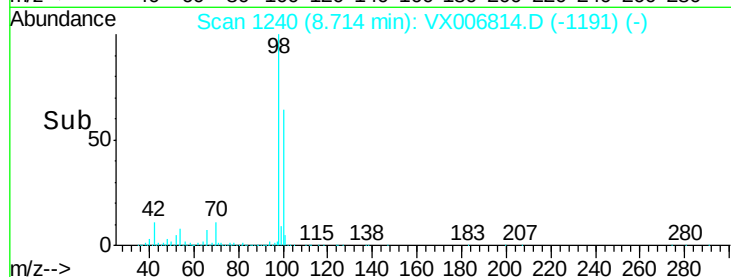
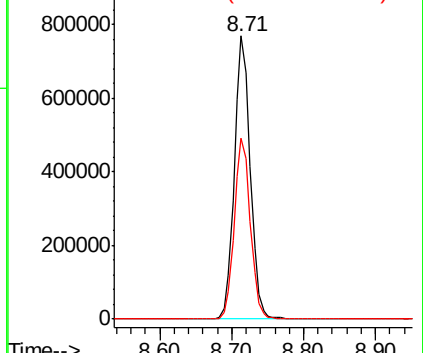
98 100

100 64.5 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 2.344 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX006814.D

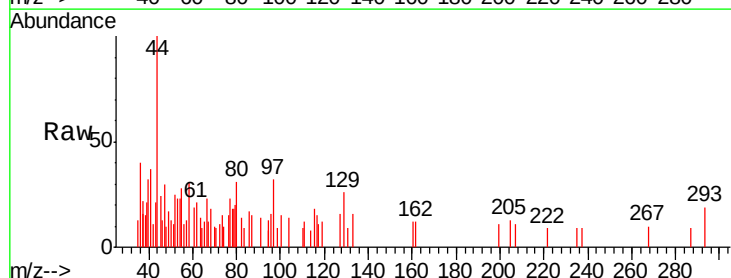
Acq: 26 Dec 2018 13:23

Tgt Ion: 129 Resp: 150

Ion Ratio Lower Upper

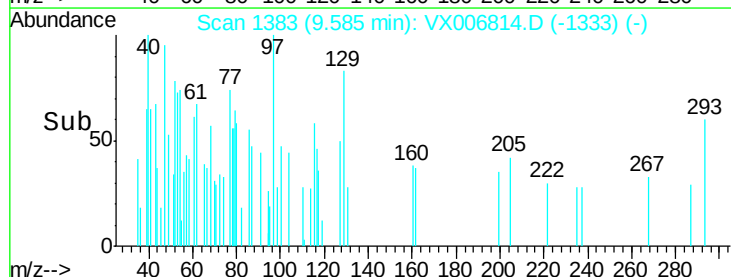
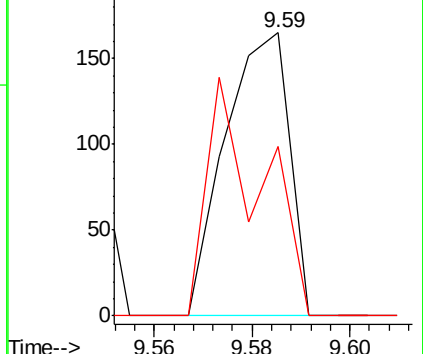
129 100

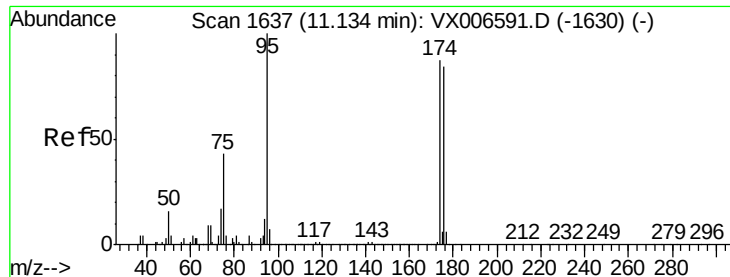
127 71.3 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 47.780 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006814.D

Acq: 26 Dec 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

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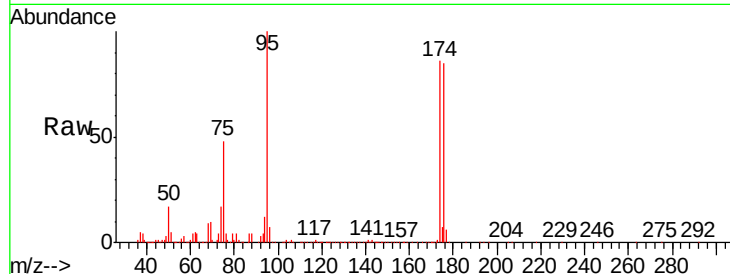
Tgt Ion: 95 Resp: 425498

Ion Ratio Lower Upper

95 100

174 92.4 0.0 182.2

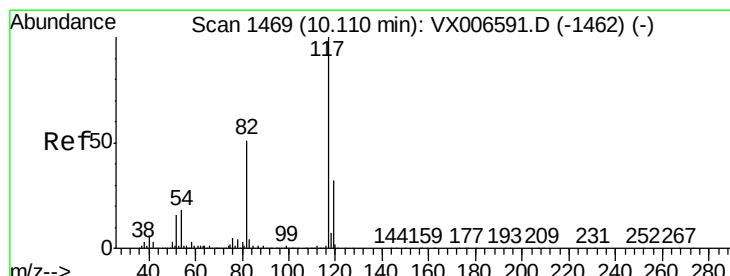
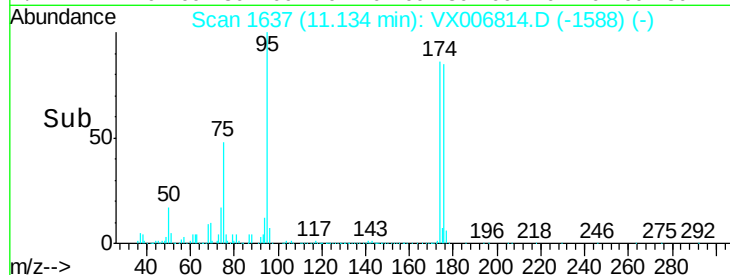
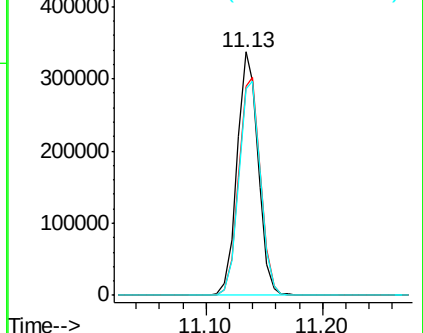
176 90.4 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX006814.D

Acq: 26 Dec 2018 13:23

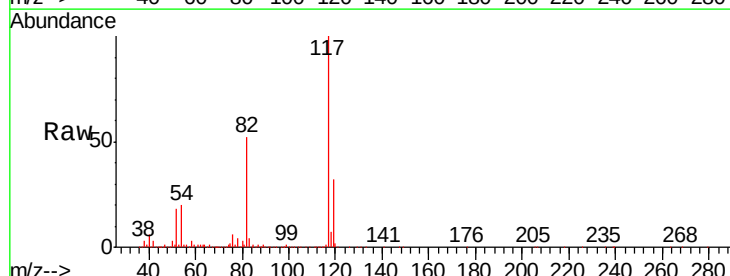
Tgt Ion: 117 Resp: 924410

Ion Ratio Lower Upper

117 100

82 52.2 41.0 61.6

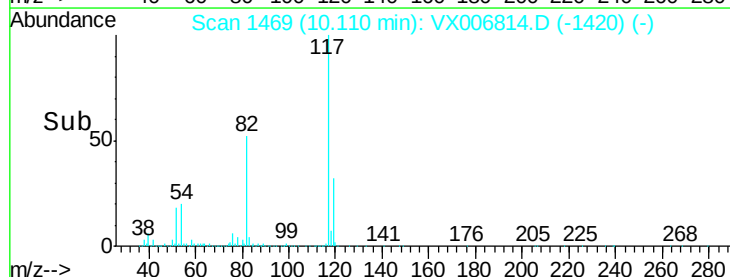
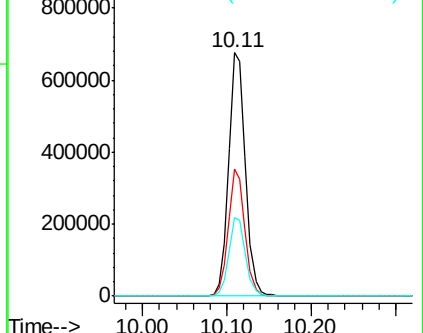
119 32.4 25.4 38.0

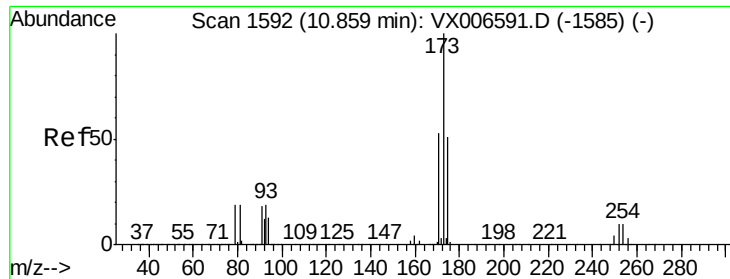


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 4.479 ug/l

RT: 10.65 min Scan# 1558

Delta R.T. -0.21 min

Lab File: VX006814.D

Acq: 26 Dec 2018 13:23

Instrument :

MSVOA_X

ClientSampled :

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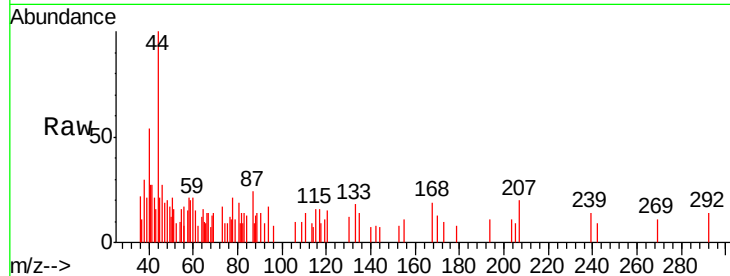
Tgt Ion:173 Resp: 116

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

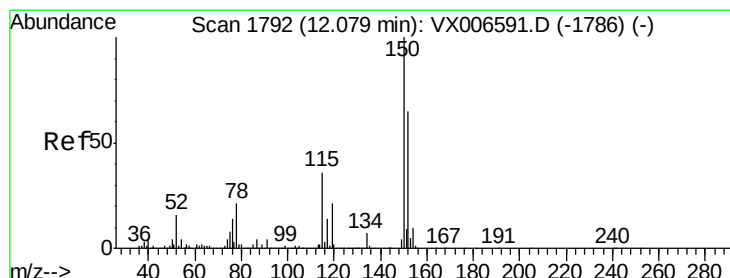
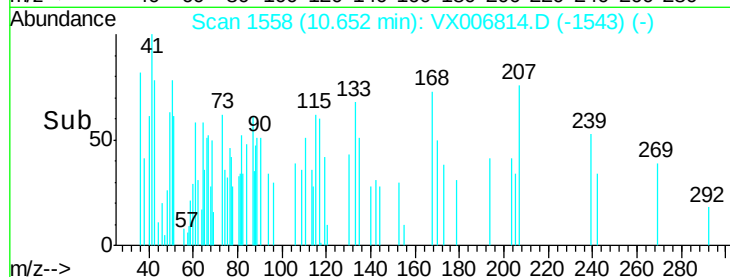
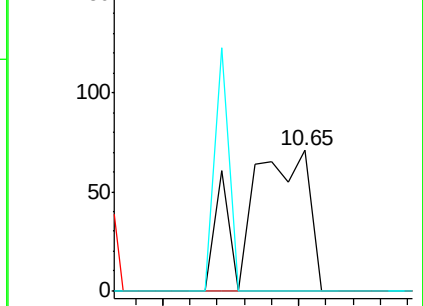
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006814.D

Acq: 26 Dec 2018 13:23

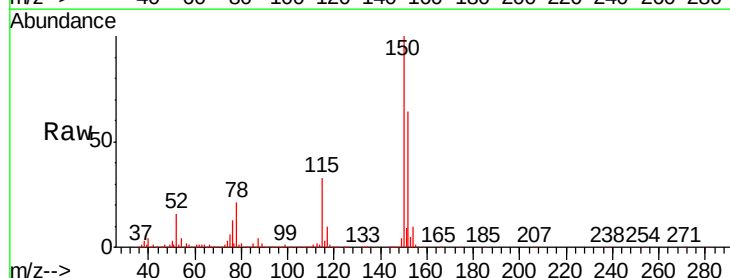
Tgt Ion:152 Resp: 456675

Ion Ratio Lower Upper

152 100

115 54.5 39.1 117.2

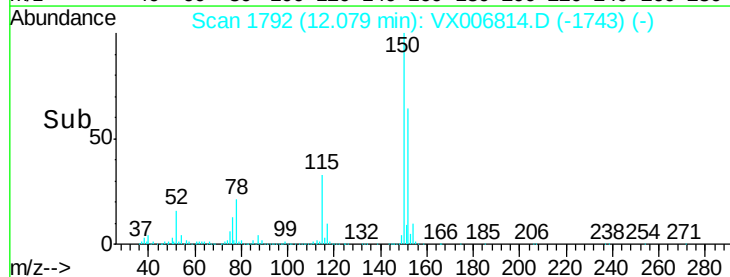
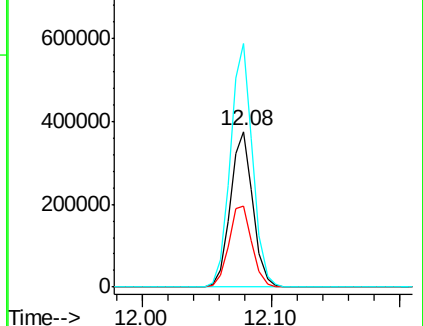
150 155.2 0.0 344.8

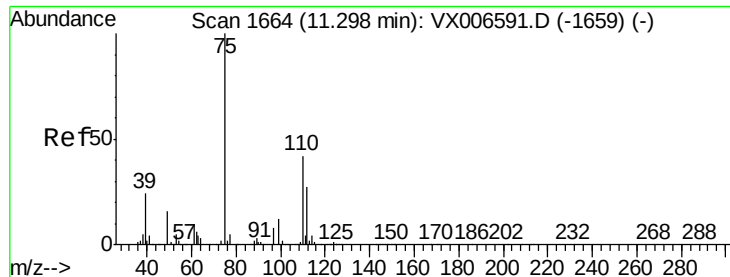


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.120 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006814.D

Acq: 26 Dec 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

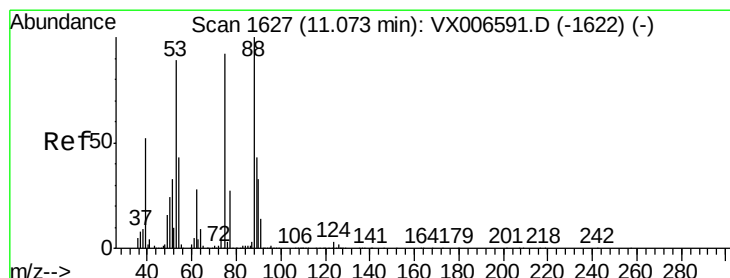
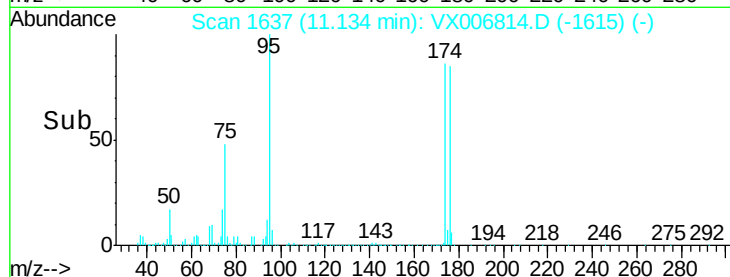
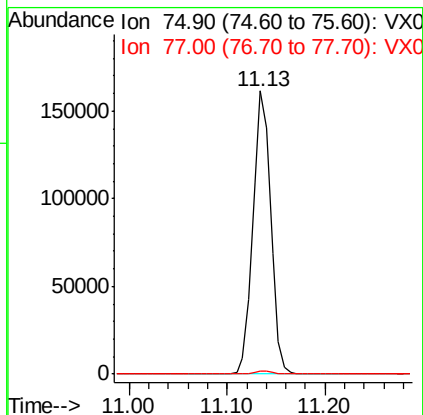
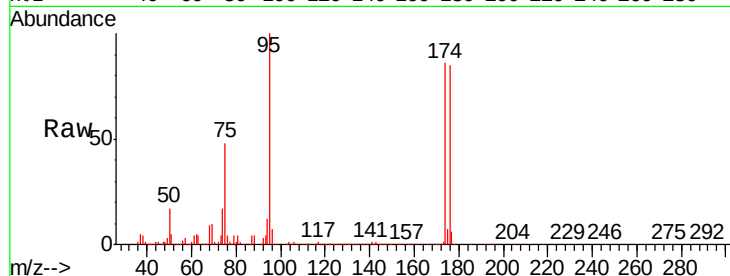
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Tgt Ion: 75 Resp: 204702

Ion Ratio Lower Upper

75 100

77 1.2 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.422 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006814.D

Acq: 26 Dec 2018 13:23

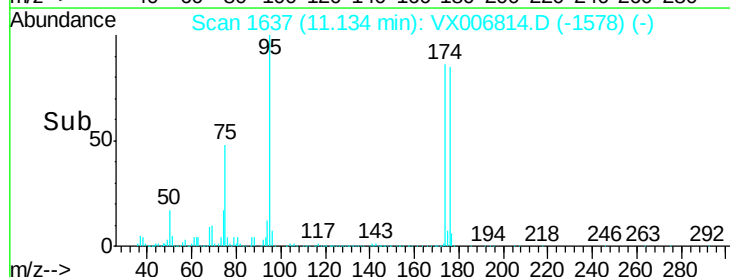
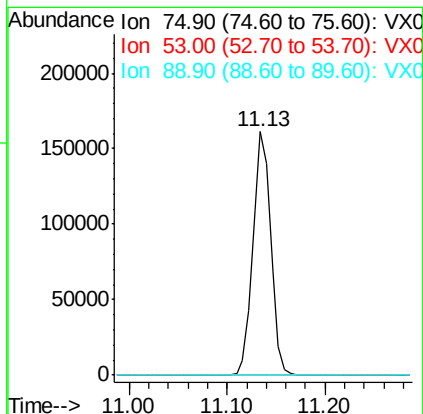
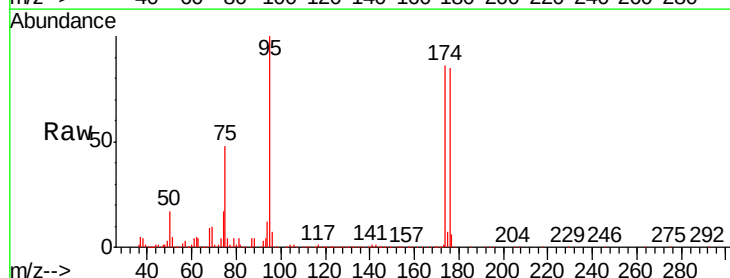
Tgt Ion: 75 Resp: 204702

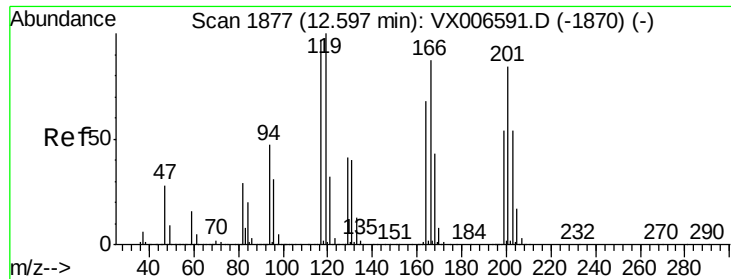
Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

89 0.1 38.0 57.0#





#90

Hexachloroethane

Concen: 3.304 ug/l

RT: 12.49 min Scan# 1859

Delta R.T. -0.11 min

Lab File: VX006814.D

Acq: 26 Dec 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

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Tgt Ion:117 Resp: 48

Ion Ratio Lower Upper

117 100

201 112.5 42.9 128.7

