

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101718\
 Data File : VX005387.D
 Acq On : 17 Oct 2018 13:30
 Operator : JC/MD
 Sample : J5573-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FIELD-BLANK

Quant Time: Oct 17 16:40:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	285677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	421582	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.12	117	370114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	187822	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	162185	51.15	ug/l	-0.01
Spiked Amount			Recovery	=	102.30%	
35) Dibromofluoromethane	5.50	113	130665	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	
50) Toluene-d8	8.71	98	491439	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
62) 4-Bromofluorobenzene	11.14	95	165596	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	

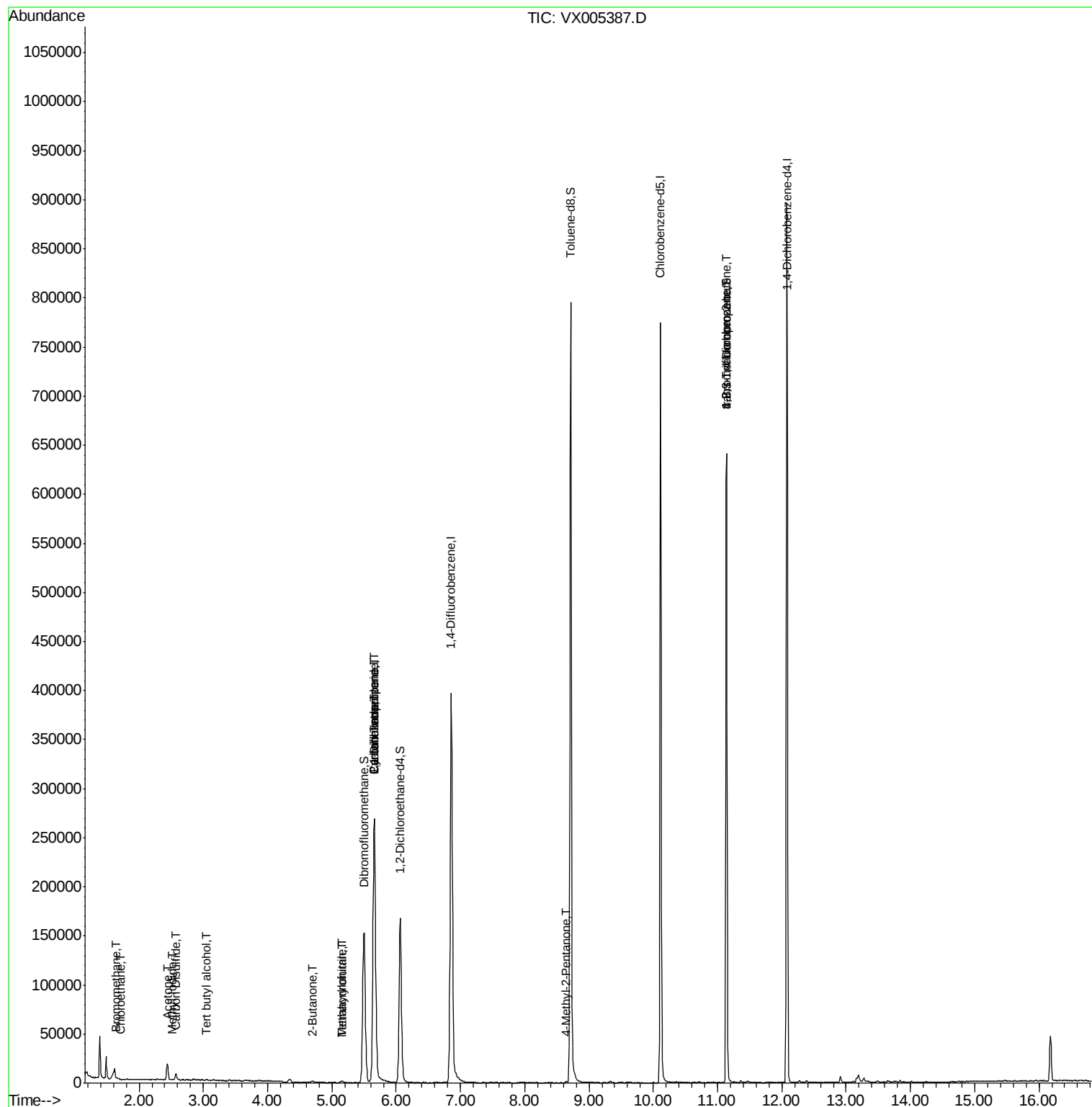
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	596	0.90	ug/l	94
6) Chloroethane	1.71	64	89	0.38	ug/l	# 1
10) Methyl Iodide	2.51	142	583	2.69	ug/l	# 91
11) Tert butyl alcohol	3.06	59	1513	1.69	ug/l	98
13) Acrolein	2.30	56	260	Below Cal	#	70
16) Acetone	2.44	43	17895	9.76	ug/l	96
17) Carbon Disulfide	2.57	76	7850	1.04	ug/l	99
20) Methylene Chloride	2.86	84	443	Below Cal	#	85
25) 2-Butanone	4.70	43	2959	1.10	ug/l	91
29) Tetrahydrofuran	5.15	42	1397	0.82	ug/l	# 71
31) Cyclohexane	5.67	56	4725	1.08	ug/l	# 1
36) 1,1-Dichloropropene	5.66	75	18730	4.59	ug/l	# 49
38) Carbon Tetrachloride	5.65	117	25054	6.11	ug/l	# 15
41) Methacrylonitrile	5.15	41	937	0.33	ug/l	# 48
44) Trichloroethene	7.21	130	165	Below Cal		90
51) 4-Methyl-2-Pentanone	8.65	43	1261	0.26	ug/l	88
76) 1,2,3-Trichloropropane	11.13	75	80483	22.09	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.13	75	80483	67.12	ug/l	# 10

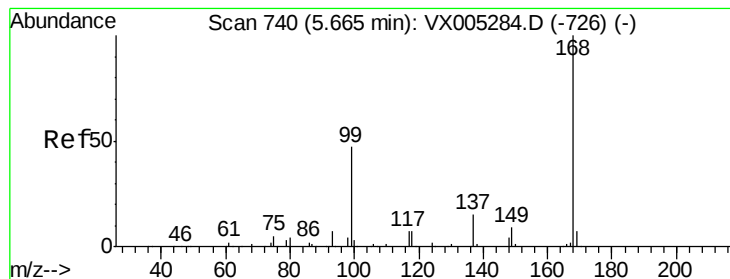
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX101718\
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ClientSampleId :
FIELD-BLANK

Quant Time: Oct 17 16:40:22 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005387.D

Acq: 17 Oct 2018 13:30

Instrument :

MSVOA_X

ClientSampled :

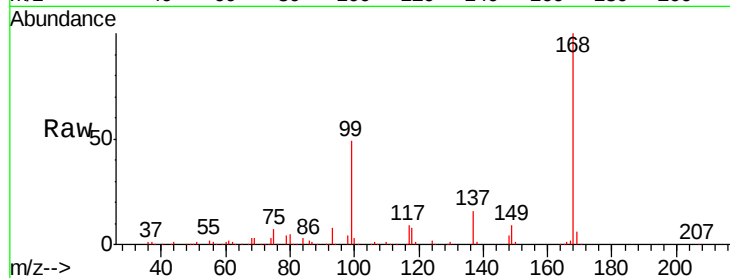
FIELD-BLANK

Tgt Ion:168 Resp: 285677

Ion Ratio Lower Upper

168 100

99 48.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VX005284.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX005284.D (-726) (-)

5.66

100000

80000

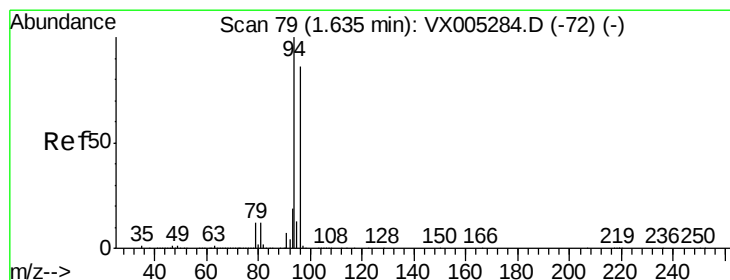
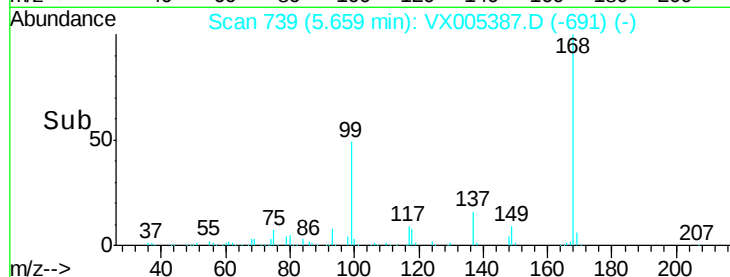
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.90 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005387.D

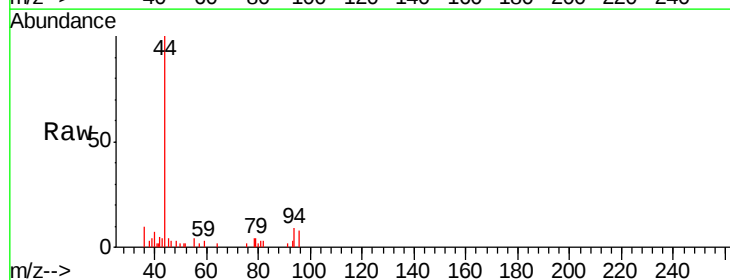
Acq: 17 Oct 2018 13:30

Tgt Ion: 94 Resp: 596

Ion Ratio Lower Upper

94 100

96 87.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX005284.D (-72) (-)

Ion 95.90 (95.60 to 96.60): VX005284.D (-72) (-)

1.64

250

200

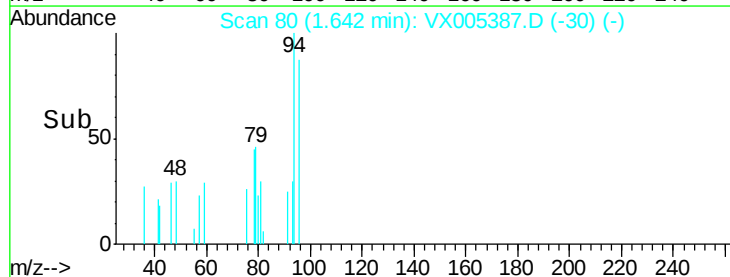
150

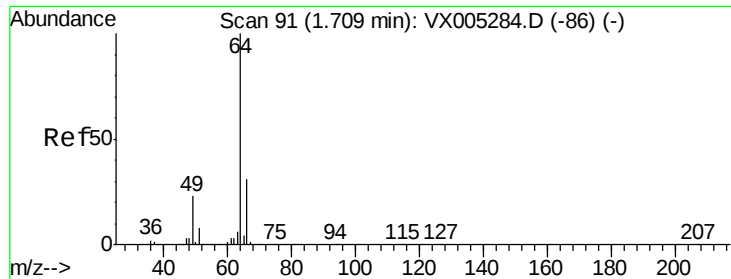
100

50

0

Time-->





#6

Chloroethane

Concen: 0.38 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005387.D

Acq: 17 Oct 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

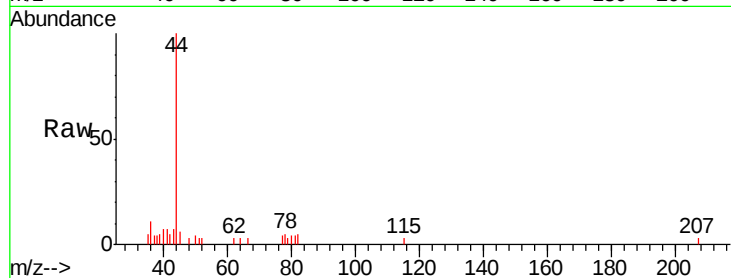
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Tgt Ion: 64 Resp: 89

Ion Ratio Lower Upper

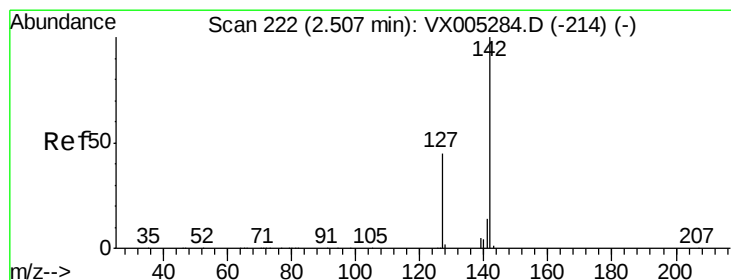
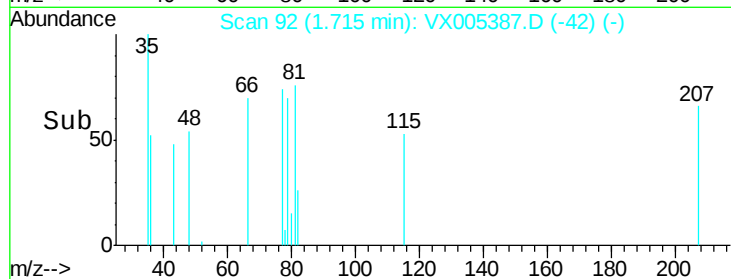
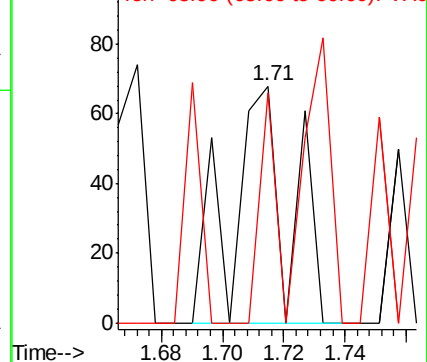
64 100

66 97.1 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.69 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005387.D

Acq: 17 Oct 2018 13:30

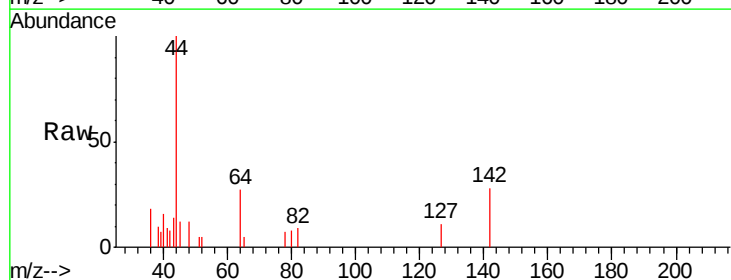
Tgt Ion: 142 Resp: 583

Ion Ratio Lower Upper

142 100

127 42.5 33.8 50.6

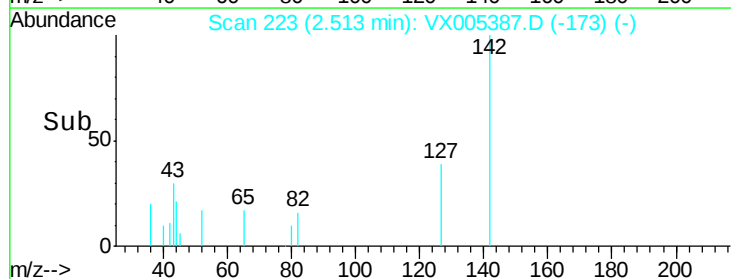
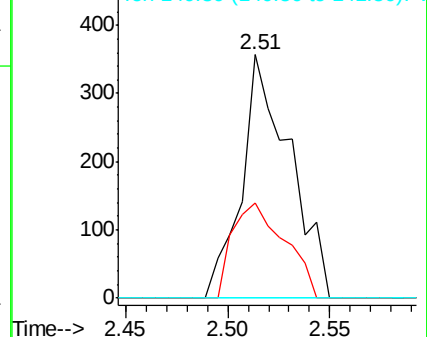
141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

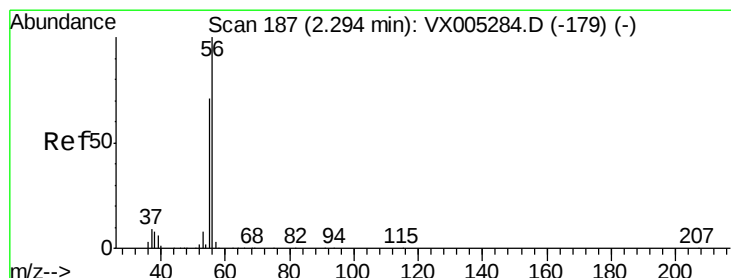
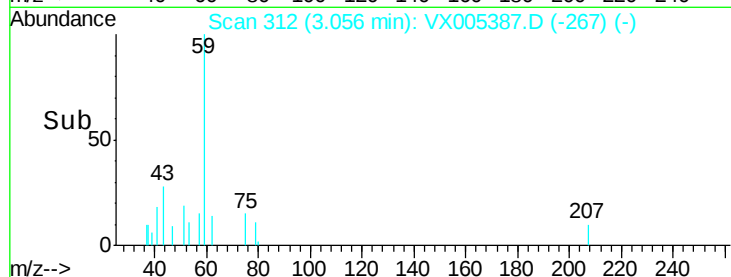
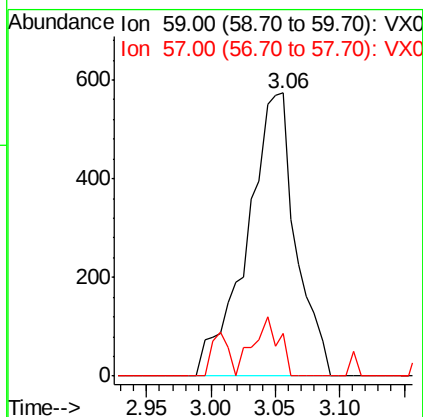
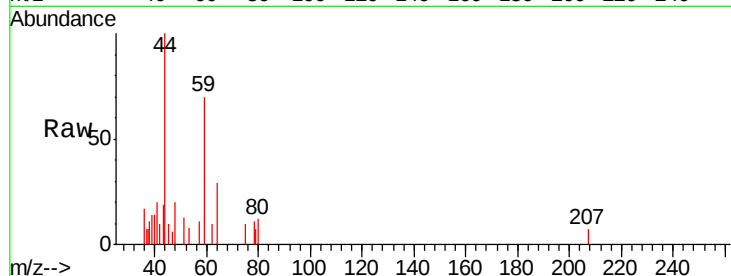




#11
Tert butyl alcohol
Concen: 1.69 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX005387.D
Acq: 17 Oct 2018 13:30

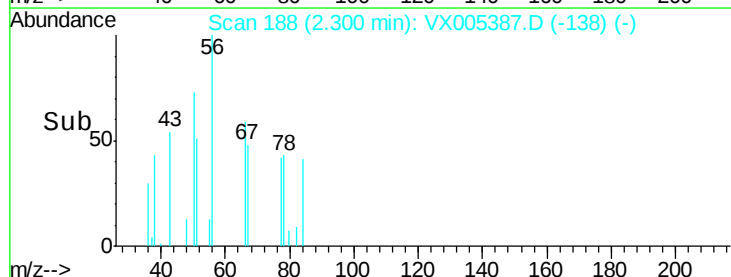
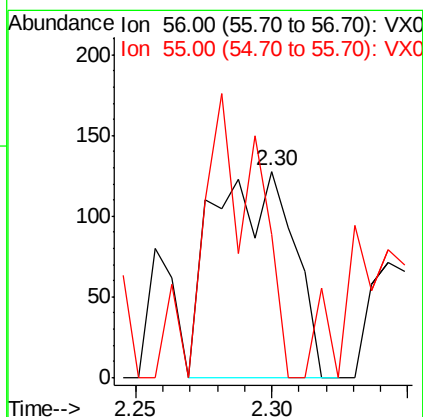
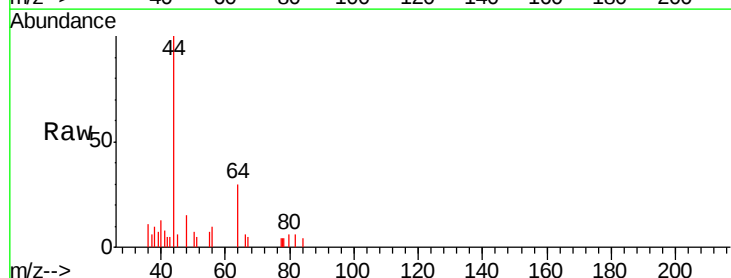
Instrument :
MSVOA_X
ClientSampleId :
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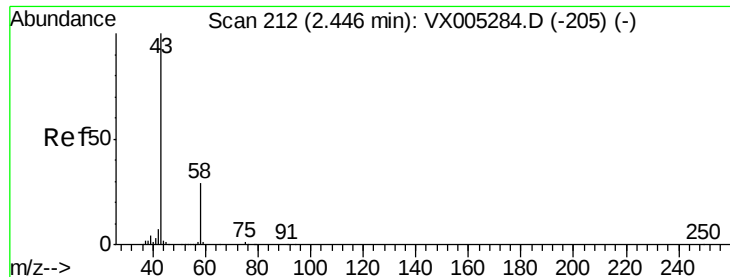
Tgt Ion: 59 Resp: 1513
Ion Ratio Lower Upper
59 100
57 11.1 8.2 12.4



#13
Acrolein
Concen: Below Cal
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX005387.D
Acq: 17 Oct 2018 13:30

Tgt Ion: 56 Resp: 260
Ion Ratio Lower Upper
56 100
55 92.7 54.7 82.1#





#16

Acetone

Concen: 9.76 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005387.D

Acq: 17 Oct 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

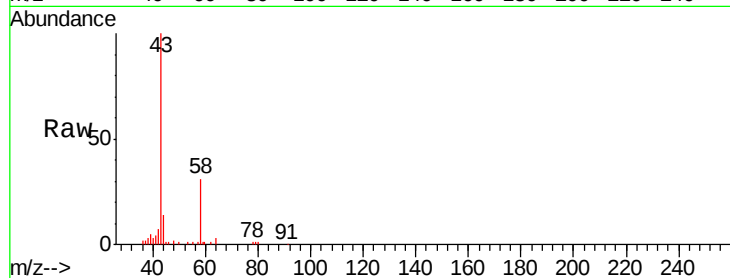
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Tgt Ion: 43 Resp: 17895

Ion Ratio Lower Upper

43 100

58 30.7 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

12000

10000

8000

6000

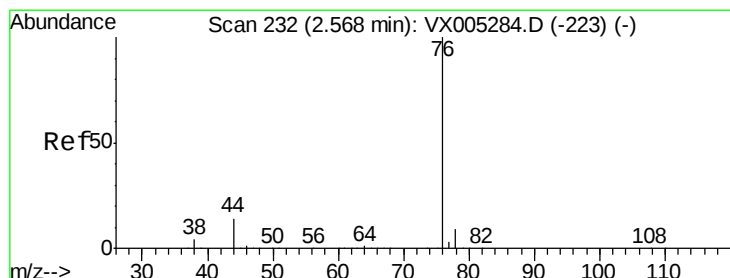
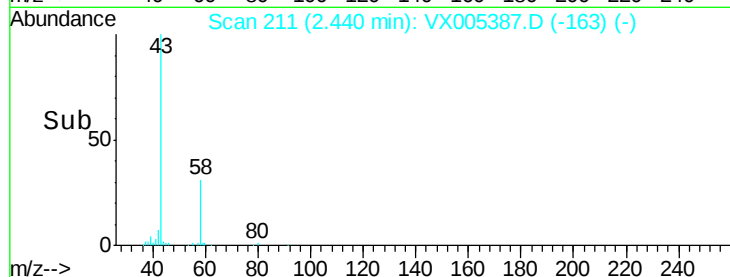
4000

2000

0

Time-->

2.35 2.40 2.45 2.50 2.55



#17

Carbon Disulfide

Concen: 1.04 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX005387.D

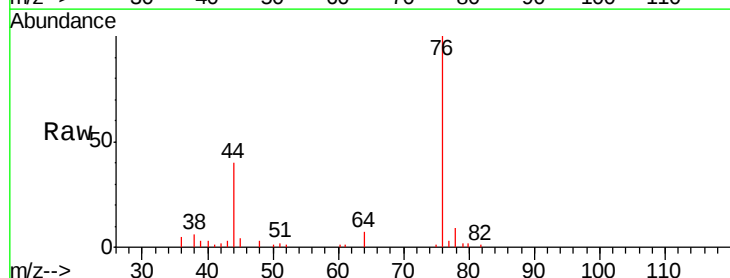
Acq: 17 Oct 2018 13:30

Tgt Ion: 76 Resp: 7850

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

5000

4000

3000

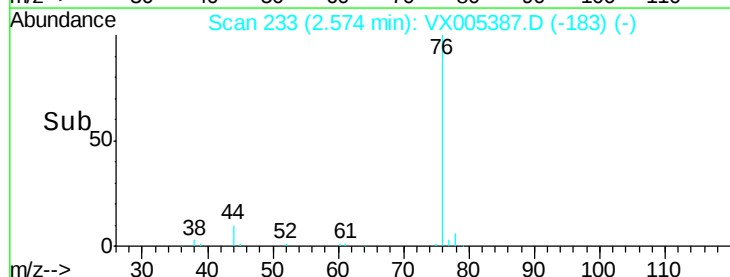
2000

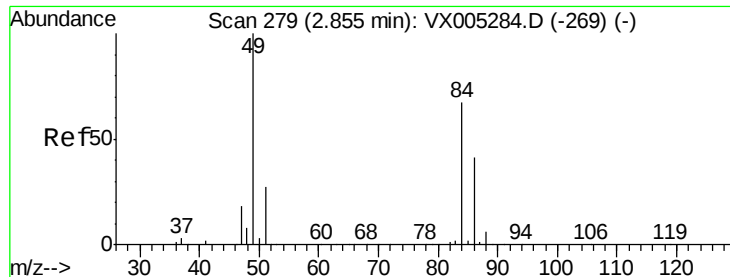
1000

0

Time-->

2.50 2.55 2.60 2.65

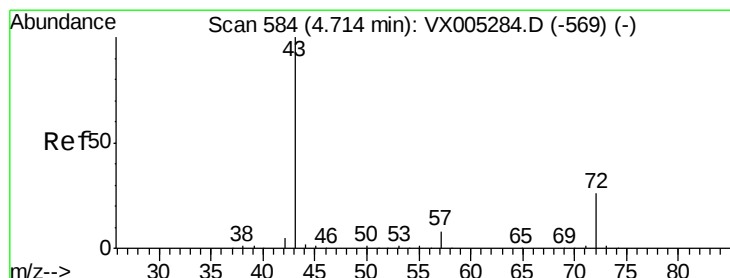
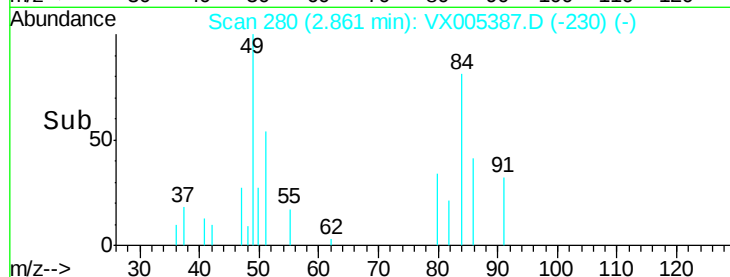
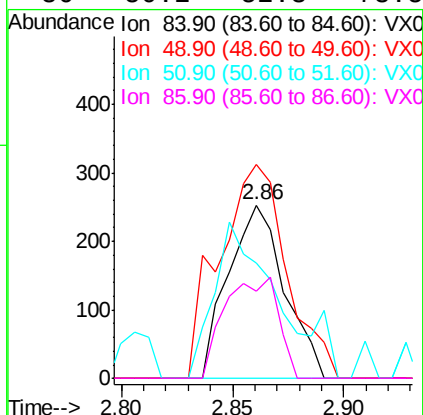
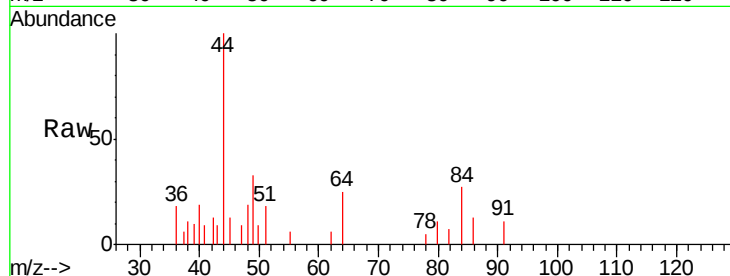




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005387.D
Acq: 17 Oct 2018 13:30

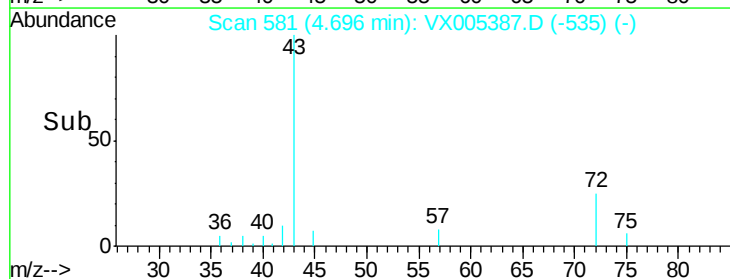
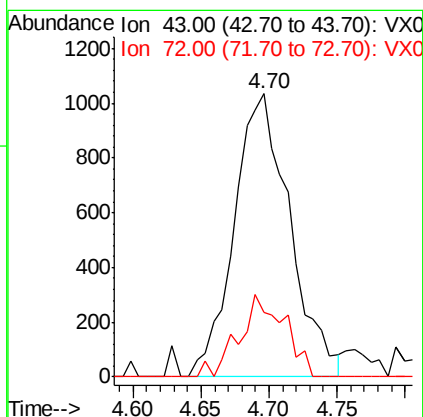
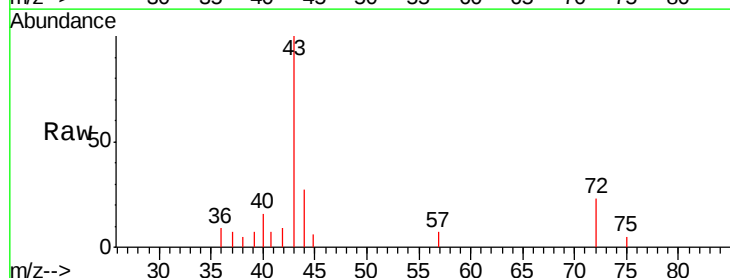
Instrument :
MSVOA_X
ClientSampled :
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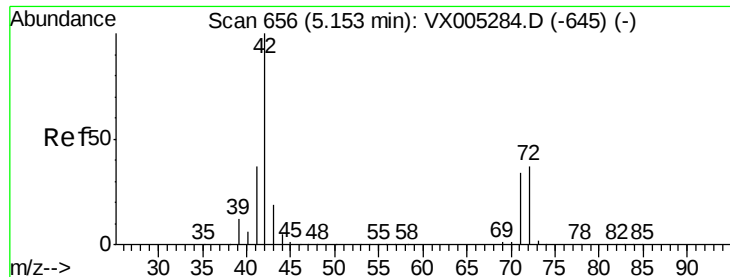
Tgt Ion: 84 Resp: 443
Ion Ratio Lower Upper
84 100
49 123.3 101.2 151.8
51 66.4 29.5 44.3#
86 50.2 52.3 78.5#



#25
2-Butanone
Concen: 1.10 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.02 min
Lab File: VX005387.D
Acq: 17 Oct 2018 13:30

Tgt Ion: 43 Resp: 2959
Ion Ratio Lower Upper
43 100
72 22.9 22.0 33.0





#29

Tetrahydrofuran

Concen: 0.82 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005387.D

Acq: 17 Oct 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANK

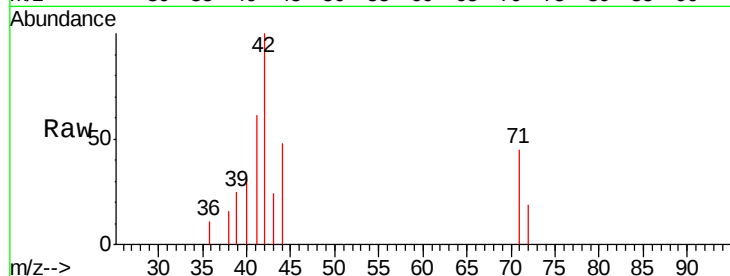
Tgt Ion: 42 Resp: 1397

Ion Ratio Lower Upper

42 100

72 17.7 37.4 56.0#

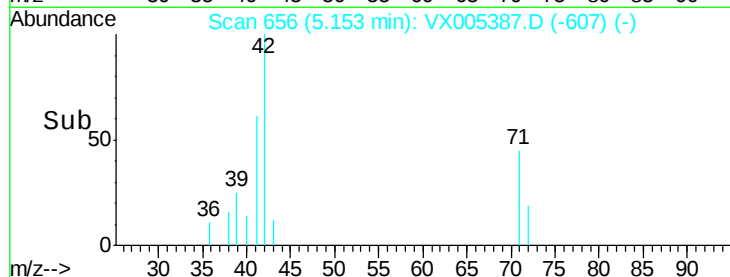
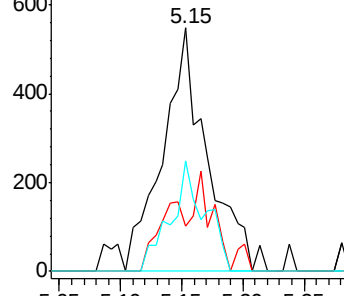
71 34.7 34.5 51.7



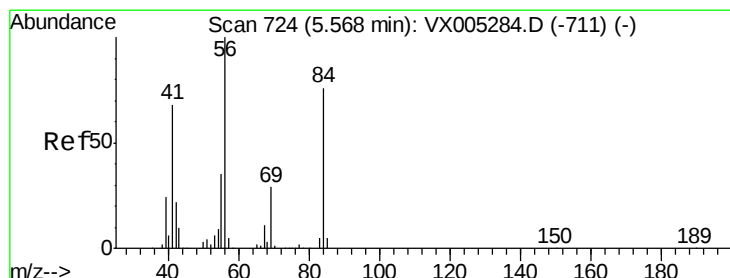
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#31

Cyclohexane

Concen: 1.08 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.10 min

Lab File: VX005387.D

Acq: 17 Oct 2018 13:30

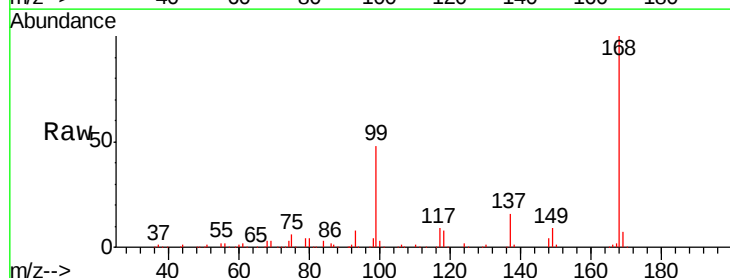
Tgt Ion: 56 Resp: 4725

Ion Ratio Lower Upper

56 100

69 176.3 25.4 38.2#

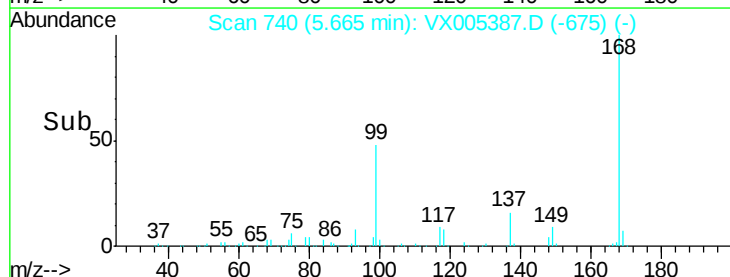
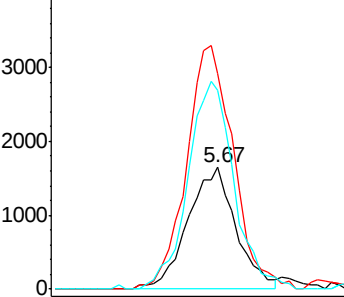
84 163.7 71.4 107.2#



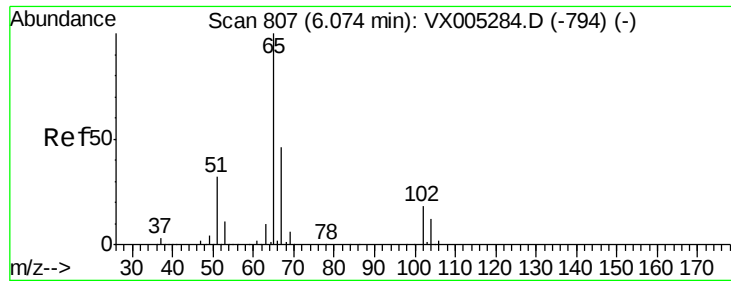
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.15 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005387.D

Acq: 17 Oct 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

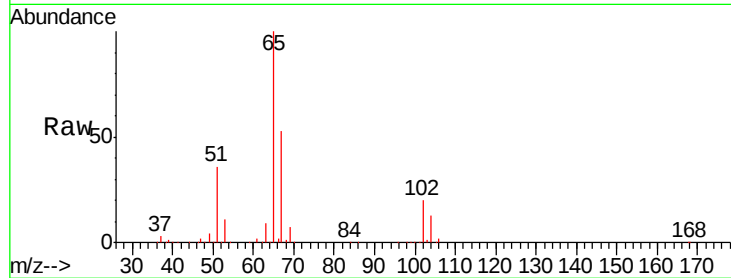
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Tgt Ion: 65 Resp: 162185

Ion Ratio Lower Upper

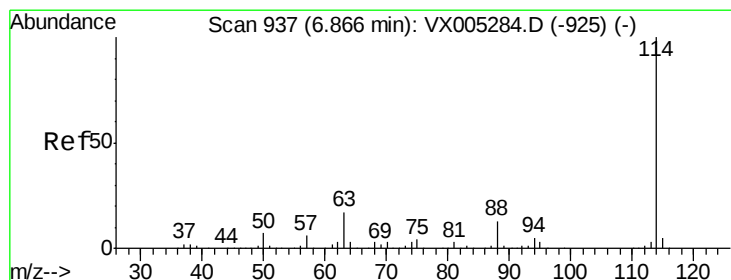
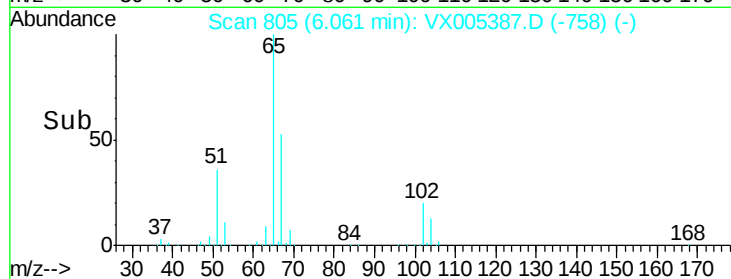
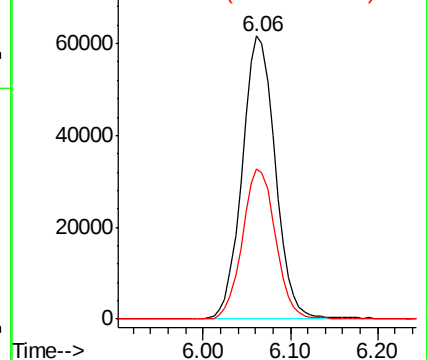
65 100

67 53.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX005387.D

Acq: 17 Oct 2018 13:30

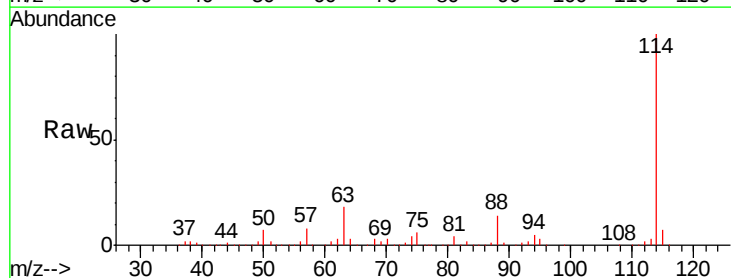
Tgt Ion: 114 Resp: 421582

Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.0

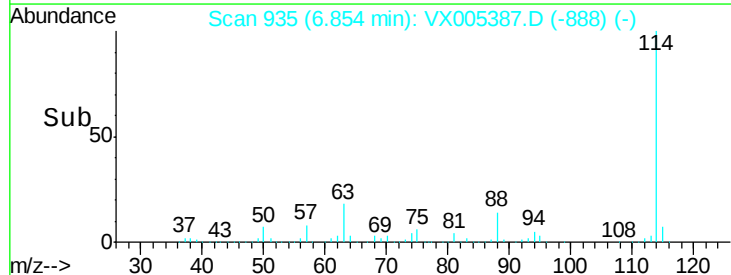
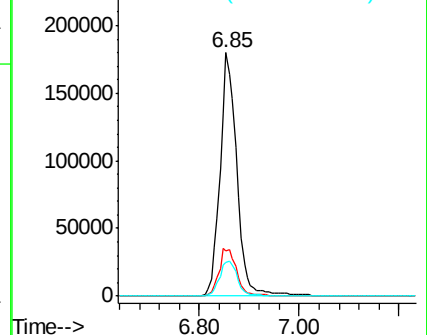
88 13.8 0.0 30.4

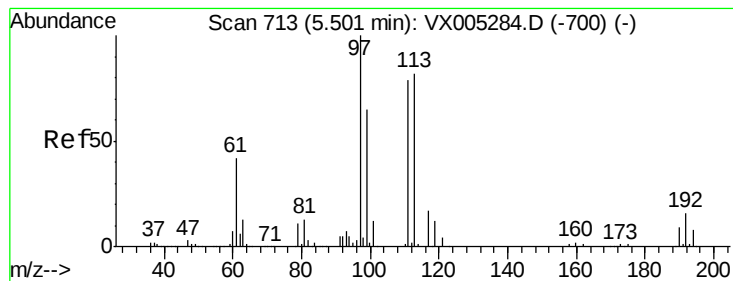


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.80 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005387.D

Acq: 17 Oct 2018 13:30

Instrument :

MSVOA_X

ClientSampled :

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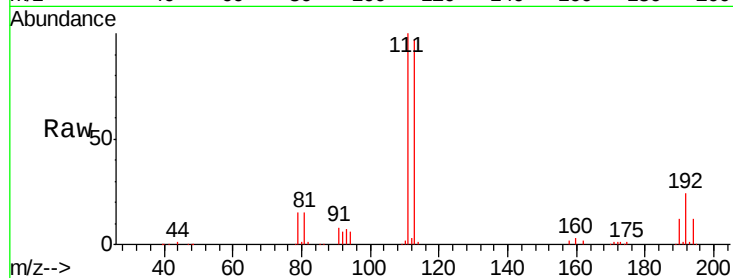
Tgt Ion:113 Resp: 130665

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

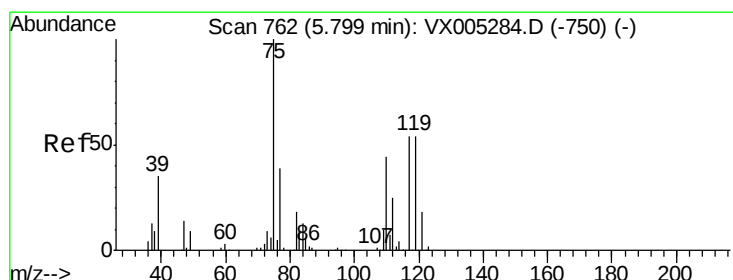
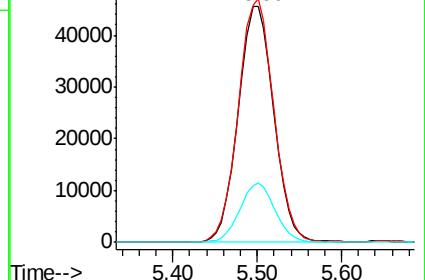
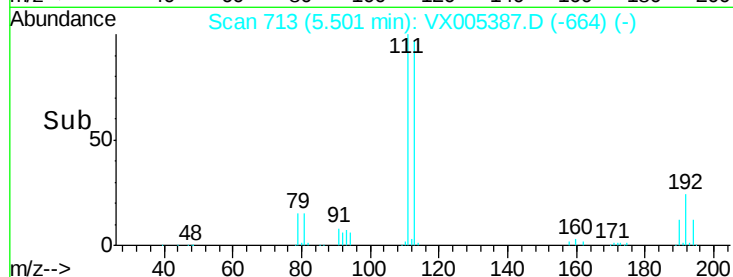
192 24.8 19.4 29.2



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: 4.59 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005387.D

Acq: 17 Oct 2018 13:30

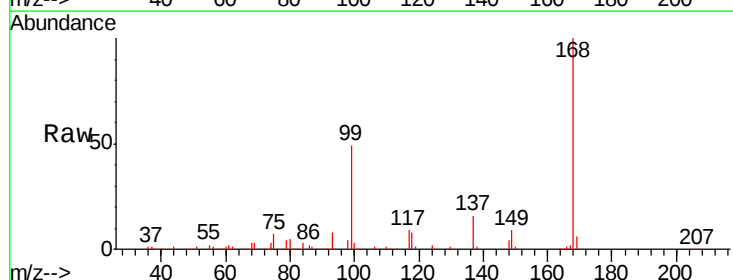
Tgt Ion: 75 Resp: 18730

Ion Ratio Lower Upper

75 100

110 8.9 18.0 54.0#

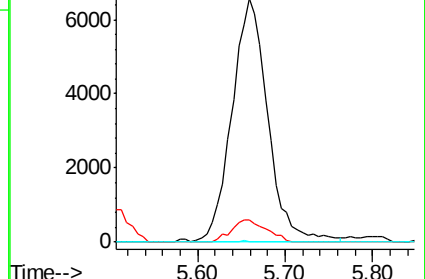
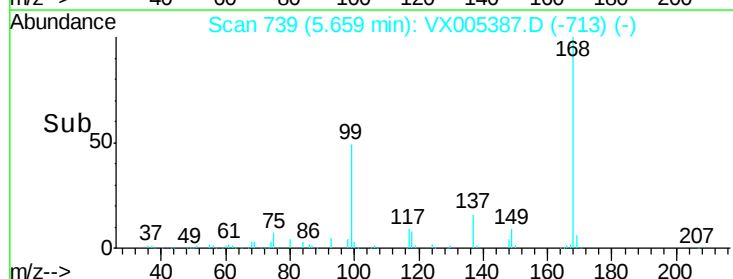
77 0.1 24.6 36.8#

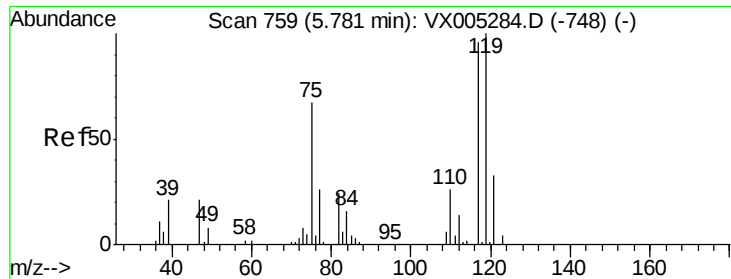


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.11 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX005387.D

Acq: 17 Oct 2018 13:30

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANK

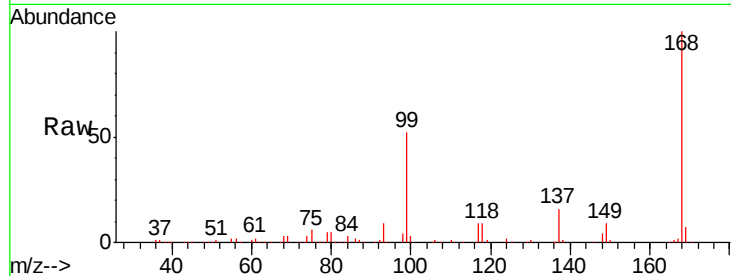
Tgt Ion:117 Resp: 25054

Ion Ratio Lower Upper

117 100

119 5.5 78.8 118.2#

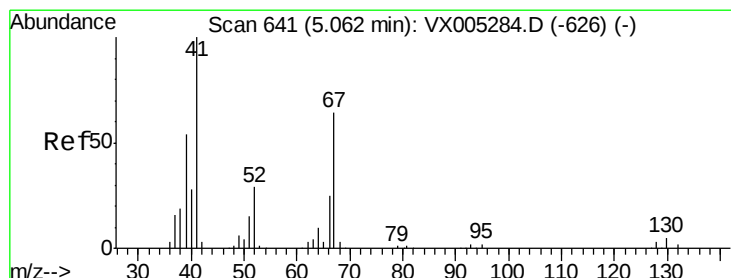
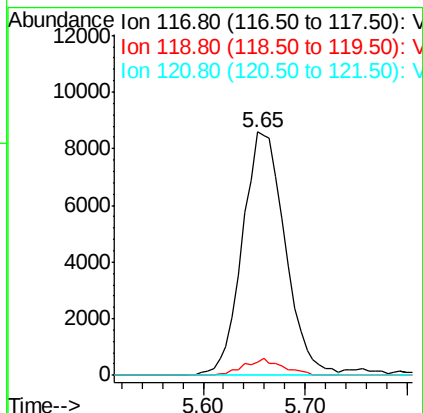
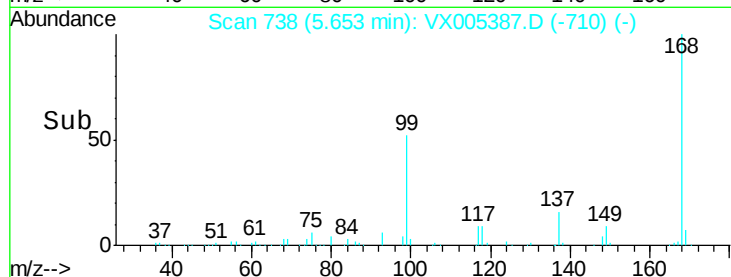
121 0.0 24.9 37.3#



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



#41

Methacrylonitrile

Concen: 0.33 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.09 min

Lab File: VX005387.D

Acq: 17 Oct 2018 13:30

Tgt Ion: 41 Resp: 937

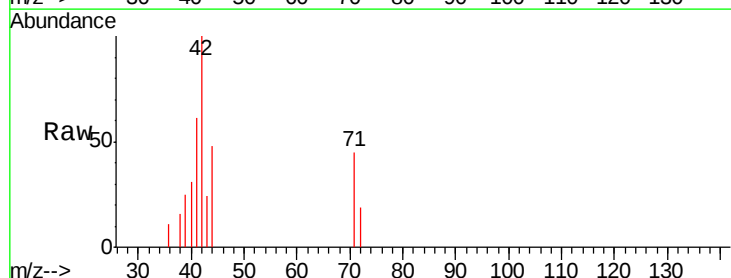
Ion Ratio Lower Upper

41 100

39 54.0 42.4 63.6

67 0.0 59.2 88.8#

52 0.0 23.0 34.4#

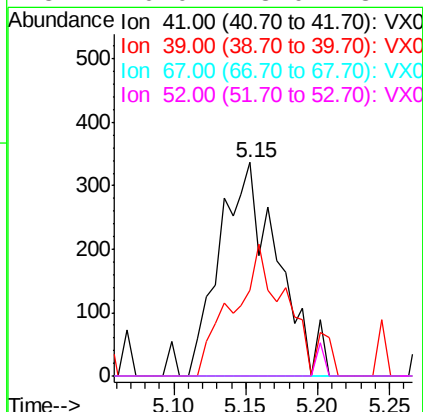
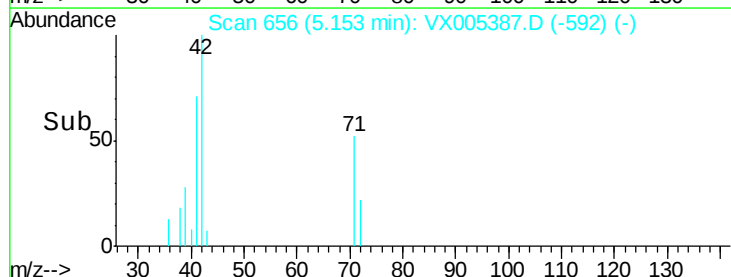


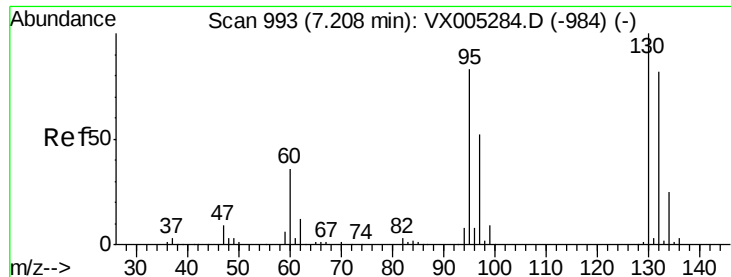
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#44

Trichloroethene

Concen: Below Cal

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005387.D

Acq: 17 Oct 2018 13:30

Instrument :

MSVOA_X

ClientSampled :

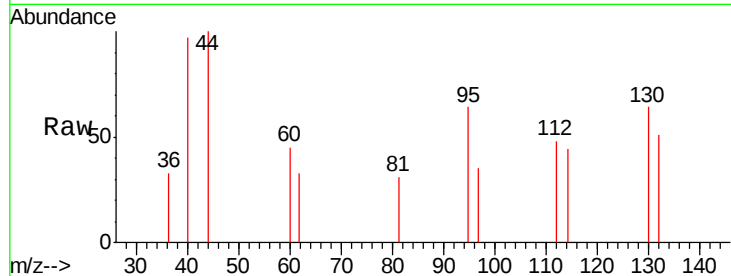
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Tgt Ion:130 Resp: 165

Ion Ratio Lower Upper

130 100

95 100.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

120

100

80

60

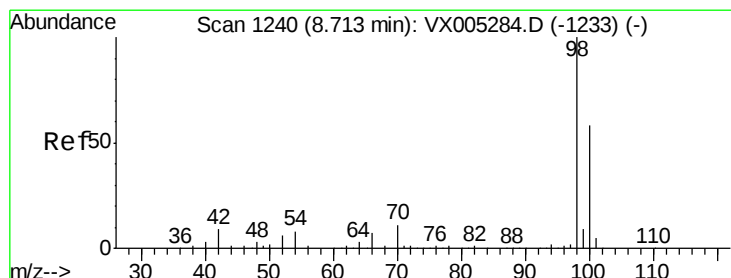
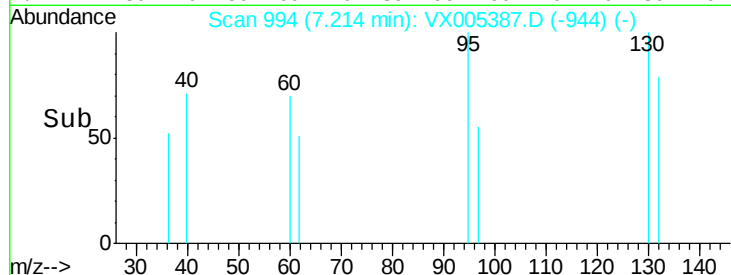
40

20

0

Time-->

7.16 7.18 7.20 7.22 7.24



#50

Toluene-d8

Concen: 51.27 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005387.D

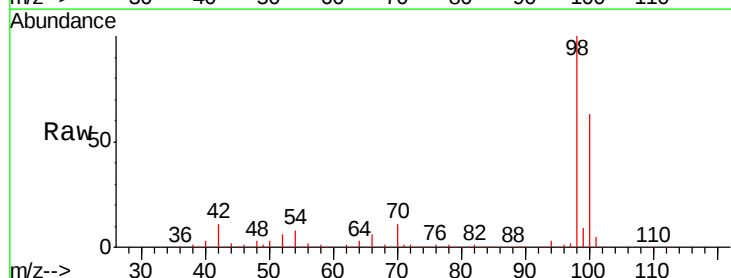
Acq: 17 Oct 2018 13:30

Tgt Ion: 98 Resp: 491439

Ion Ratio Lower Upper

98 100

100 63.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

300000

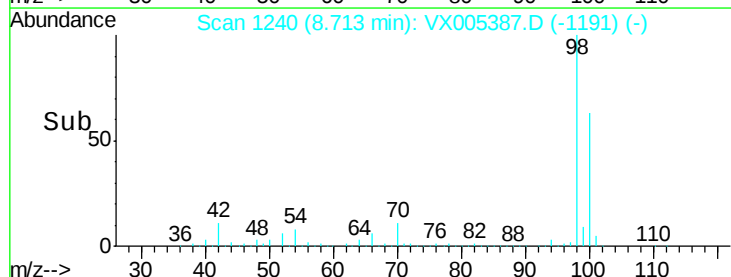
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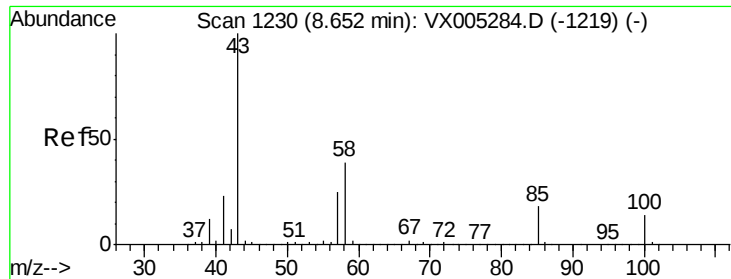
100000

0

Time-->

8.60 8.70 8.80 8.90

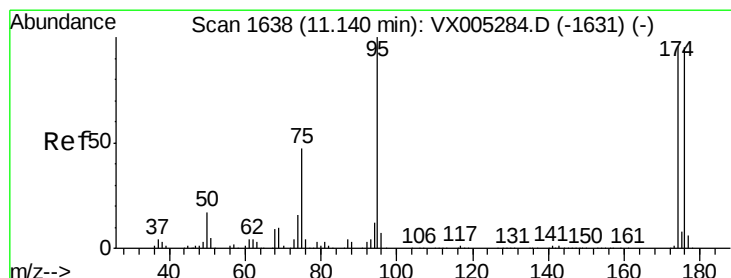
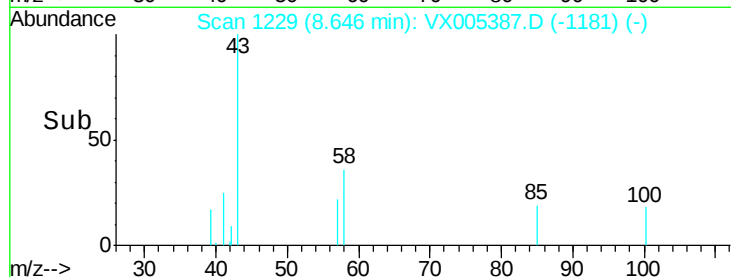
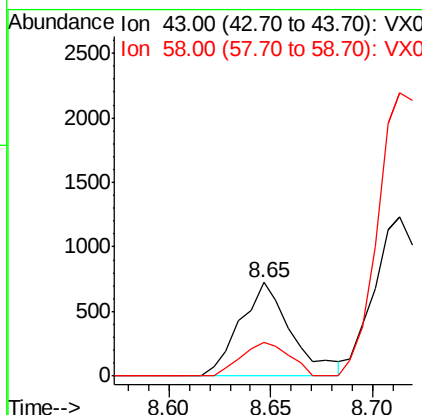
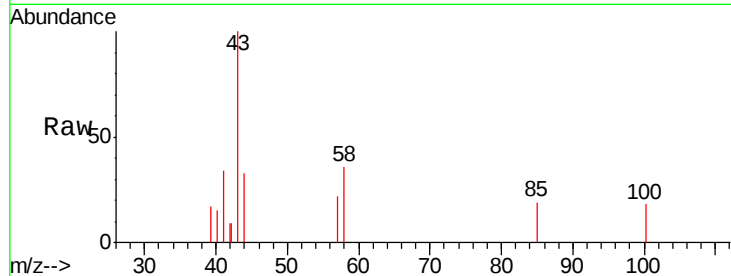




#51
 4-Methyl-2-Pentanone
 Concen: 0.26 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VX005387.D
 Acq: 17 Oct 2018 13:30

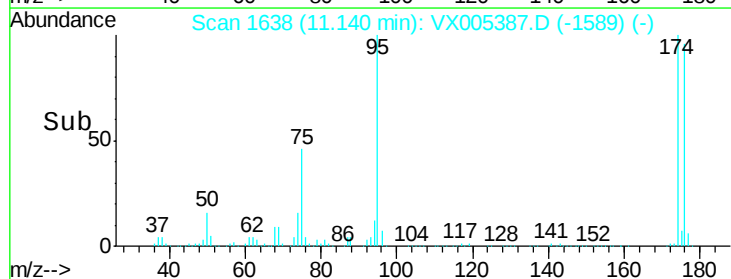
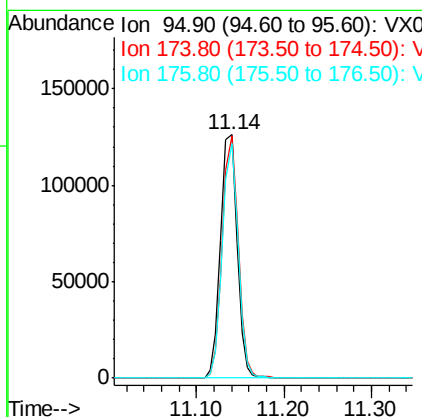
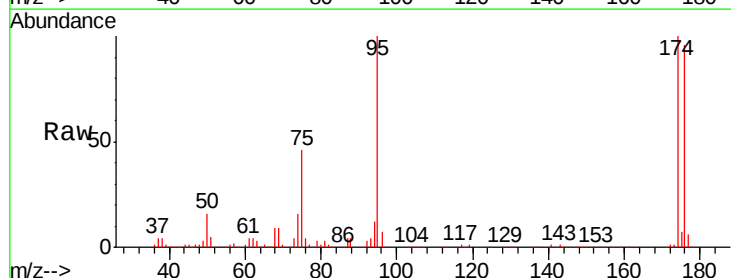
Instrument :
 MSVOA_X
 ClientSampleId :
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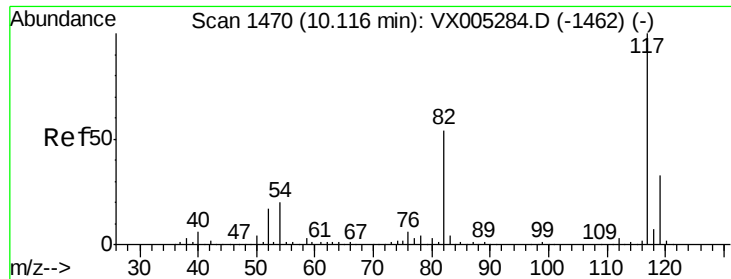
Tgt Ion: 43 Resp: 1261
 Ion Ratio Lower Upper
 43 100
 58 33.9 33.1 49.7



#62
 4-Bromofluorobenzene
 Concen: 45.98 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005387.D
 Acq: 17 Oct 2018 13:30

Tgt Ion: 95 Resp: 165596
 Ion Ratio Lower Upper
 95 100
 174 96.0 0.0 185.2
 176 92.1 0.0 178.6

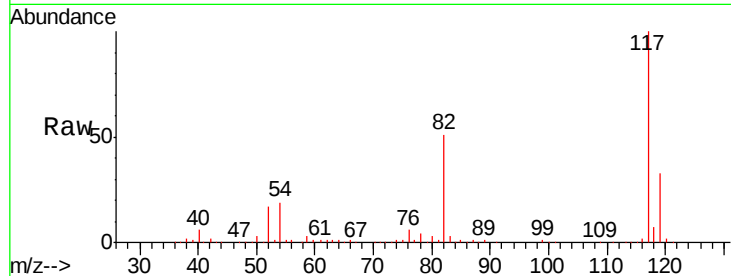




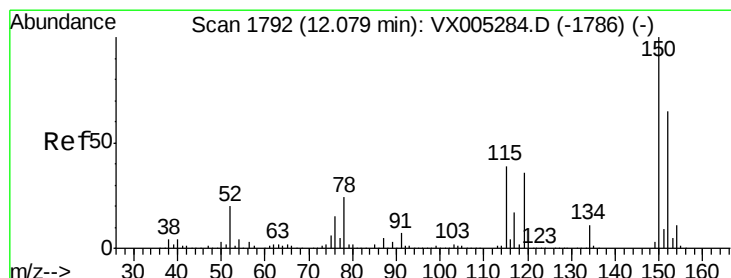
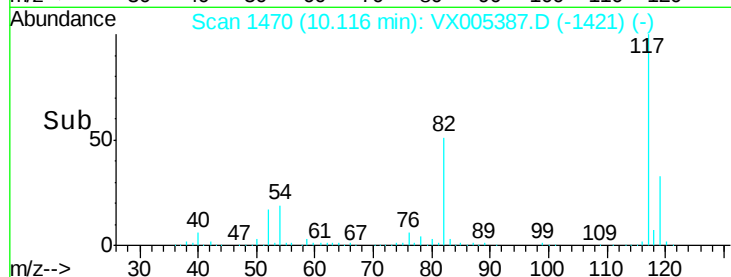
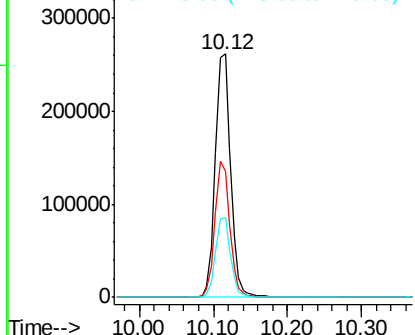
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005387.D
Acq: 17 Oct 2018 13:30

Instrument :
MSVOA_X
ClientSampled :
FIELD-BLANK

Tgt Ion:117 Resp: 370114
Ion Ratio Lower Upper
117 100
82 51.5 47.8 71.6
119 32.8 29.3 43.9

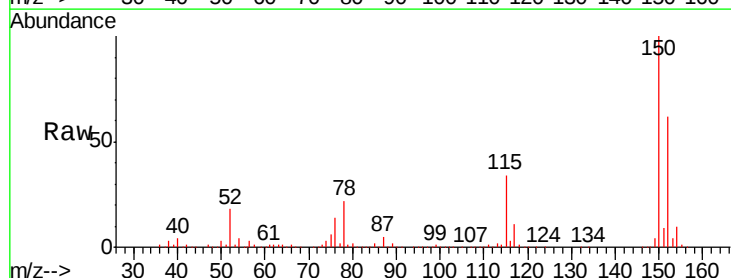


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VXO
Ion 118.90 (118.60 to 119.60): V

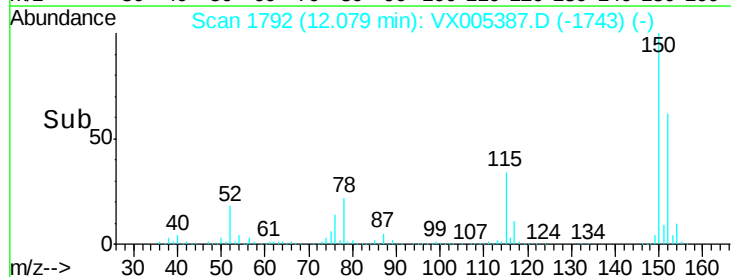
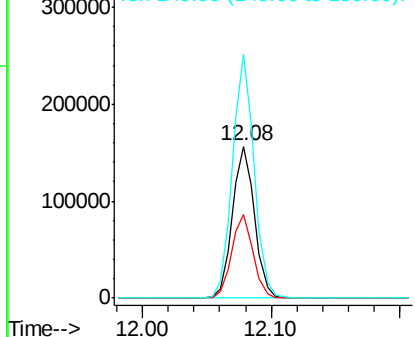


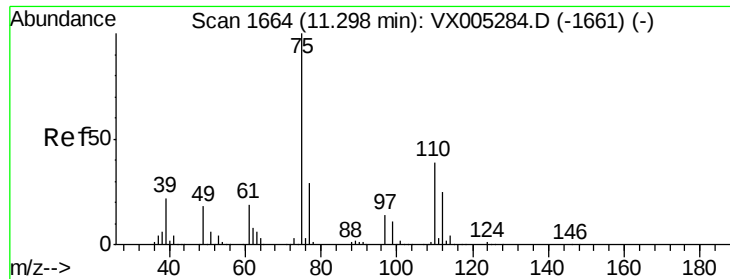
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005387.D
Acq: 17 Oct 2018 13:30

Tgt Ion:152 Resp: 187822
Ion Ratio Lower Upper
152 100
115 54.2 39.0 117.0
150 157.2 0.0 351.0



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: 22.09 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX005387.D

Acq: 17 Oct 2018 13:30

Instrument :

MSVOA_X

ClientSampled :

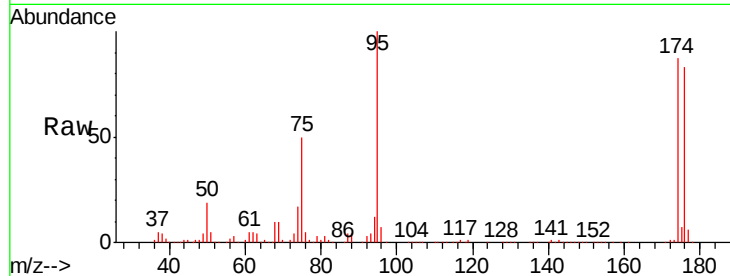
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Tgt Ion: 75 Resp: 80483

Ion Ratio Lower Upper

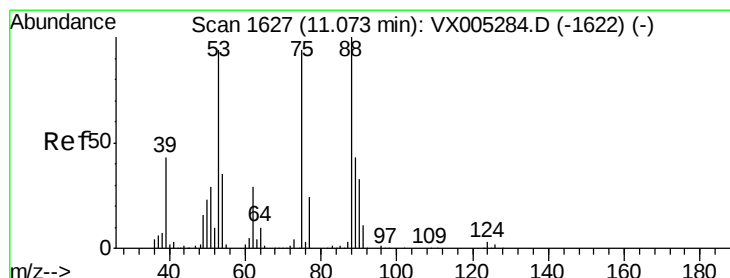
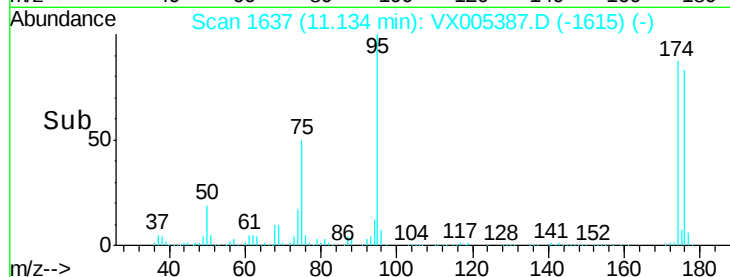
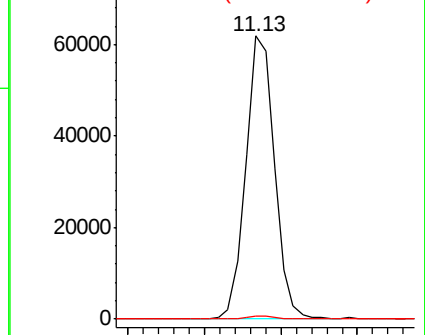
75 100

77 1.2 20.2 60.6#



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: 67.12 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX005387.D

Acq: 17 Oct 2018 13:30

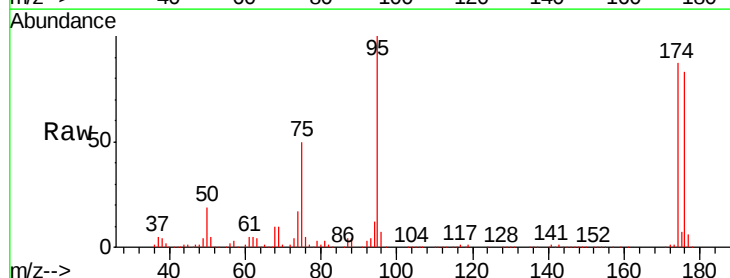
Tgt Ion: 75 Resp: 80483

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 37.2 55.8#



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

