

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX040419\
 Data File : VX008626.D
 Acq On : 04 Apr 2019 11:28
 Operator : JC/SP
 Sample : K2242-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FIELD-BLANK

Quant Time: Apr 05 07:02:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	214667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	360150	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	311843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	127339	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	148625	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
35) Dibromofluoromethane	5.49	113	110544	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
50) Toluene-d8	8.71	98	451529	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.13	95	150344	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	

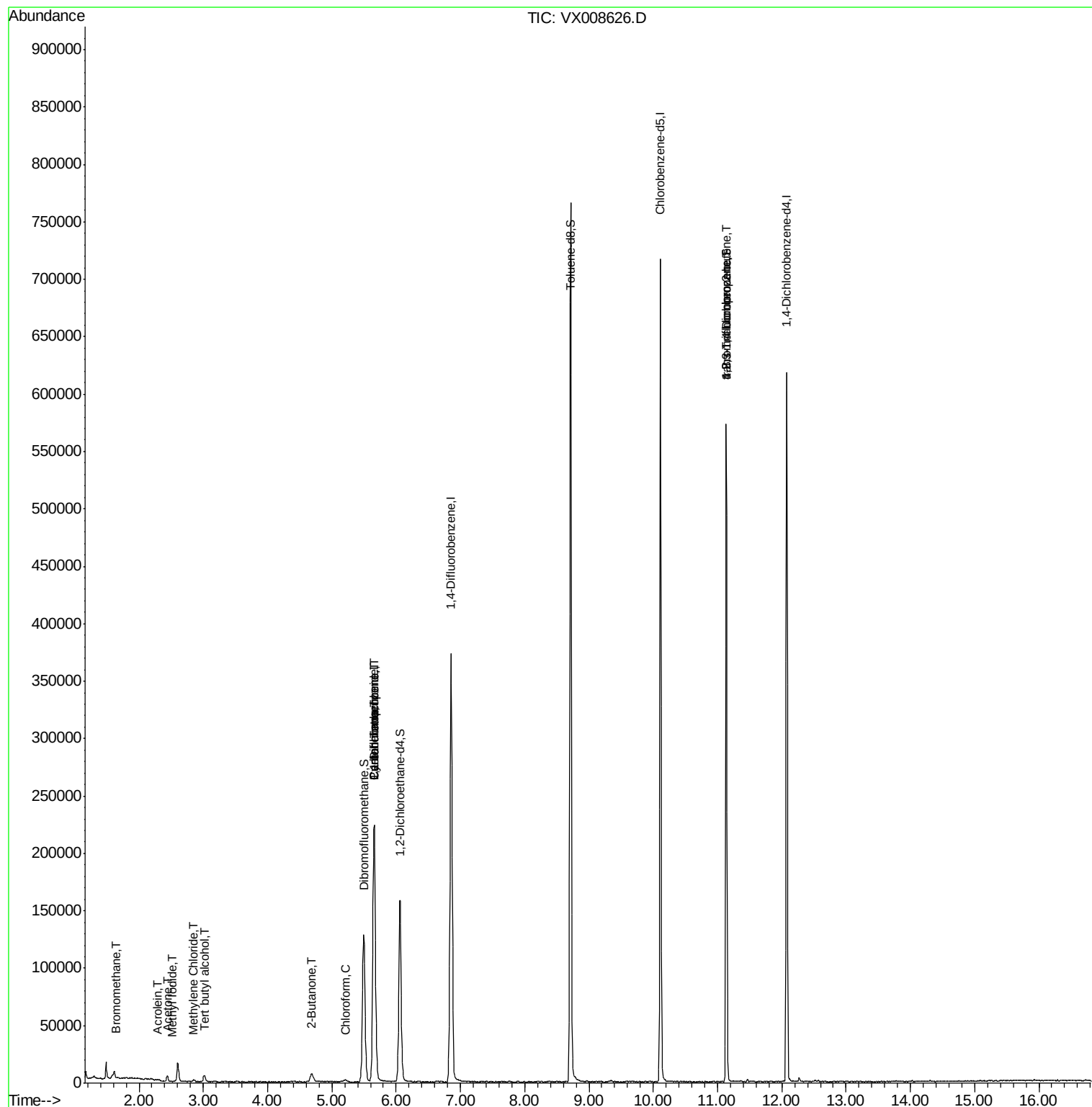
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	634	Below Cal		92
5) Bromomethane	1.65	94	431	2.137 ug/l #		76
6) Chloroethane	1.65	64	207	Below Cal #		43
10) Methyl Iodide	2.51	142	50	4.024 ug/l #		42
11) Tert butyl alcohol	3.01	59	3469	4.732 ug/l #		78
13) Acrolein	2.29	56	227	0.625 ug/l		89
16) Acetone	2.44	43	5928	3.287 ug/l		98
17) Carbon Disulfide	2.57	76	844	Below Cal #		75
20) Methylene Chloride	2.85	84	650	0.215 ug/l #		95
25) 2-Butanone	4.68	43	687	0.241 ug/l #		53
28) Bromochloromethane	5.04	49	48	Below Cal #		22
30) Chloroform	5.21	83	2159	0.446 ug/l		93
31) Cyclohexane	5.66	56	5172	0.956 ug/l #		1
36) 1,1-Dichloropropene	5.65	75	18263	4.639 ug/l #		51
38) Carbon Tetrachloride	5.65	117	21005	6.447 ug/l #		17
76) 1,2,3-Trichloropropane	11.13	75	77715	22.216 ug/l #		34
81) trans-1,4-Dichloro-2-buten	11.13	75	77715	61.240 ug/l #		9

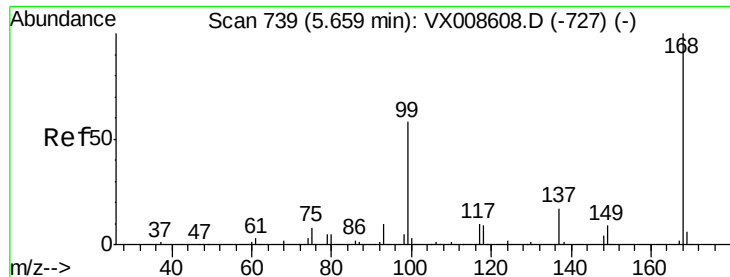
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampled :
FIELD-BLANK

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008626.D

Acq: 04 Apr 2019 11:28

Instrument :

MSVOA_X

ClientSampled :

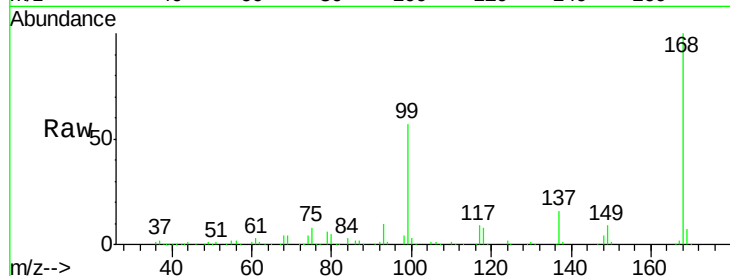
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Tgt Ion:168 Resp: 214667

Ion Ratio Lower Upper

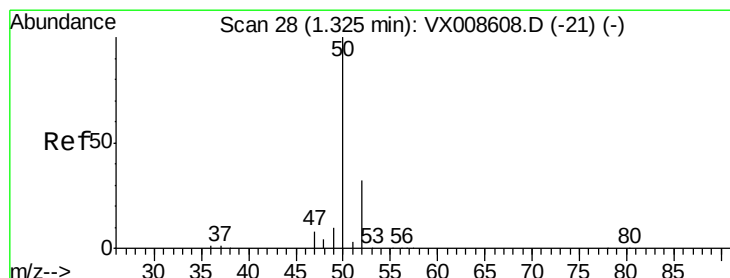
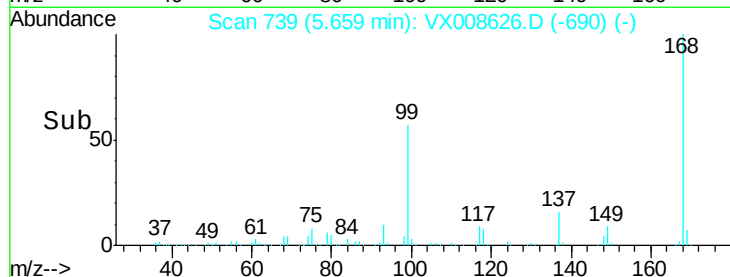
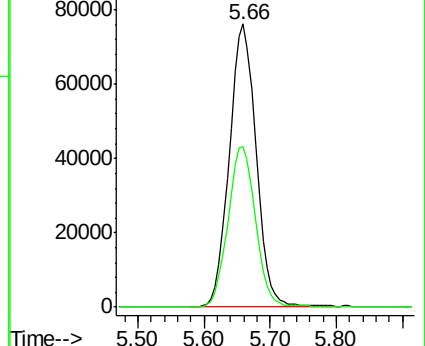
168 100

99 56.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008626.D

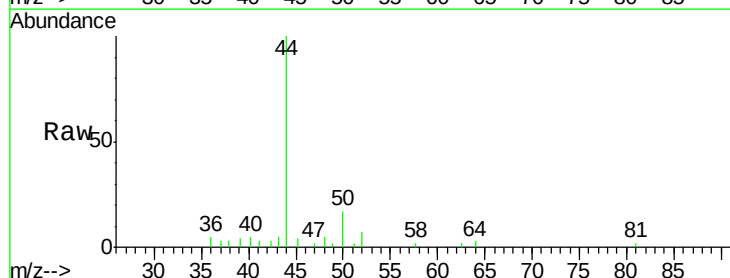
Acq: 04 Apr 2019 11:28

Tgt Ion: 50 Resp: 634

Ion Ratio Lower Upper

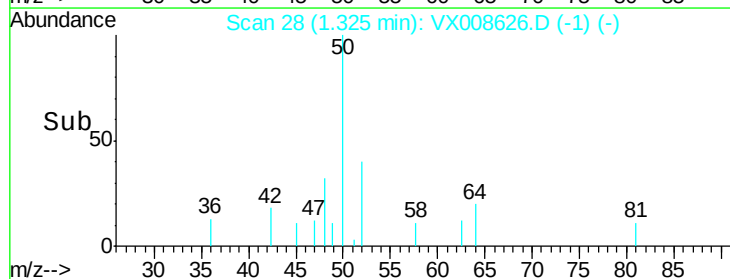
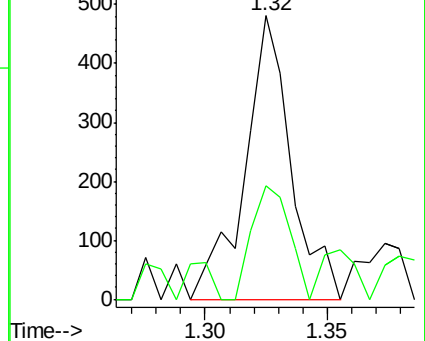
50 100

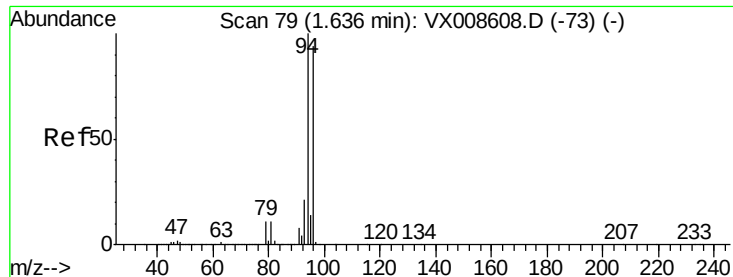
52 27.9 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 2.137 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008626.D

Acq: 04 Apr 2019 11:28

Instrument :

MSVOA_X

ClientSampled :

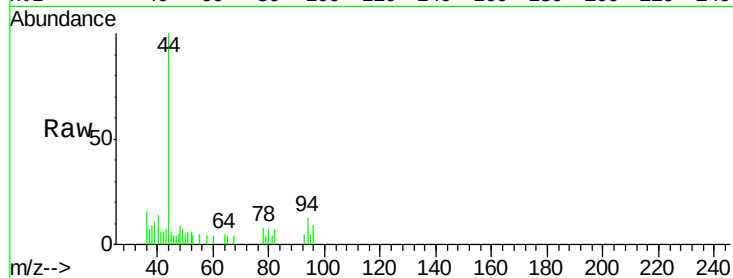
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Tgt Ion: 94 Resp: 431

Ion Ratio Lower Upper

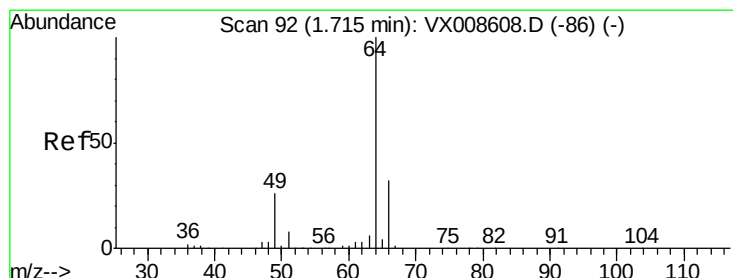
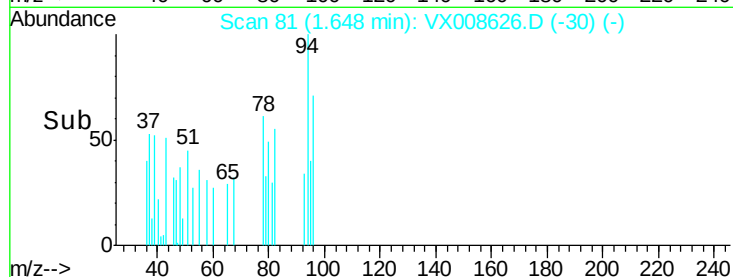
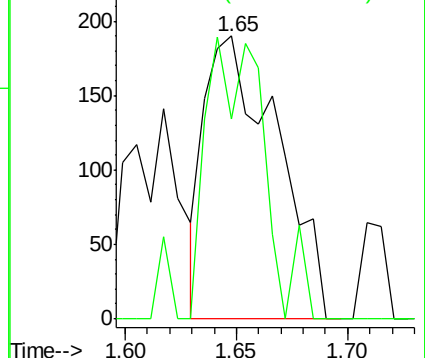
94 100

96 70.5 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. -0.06 min

Lab File: VX008626.D

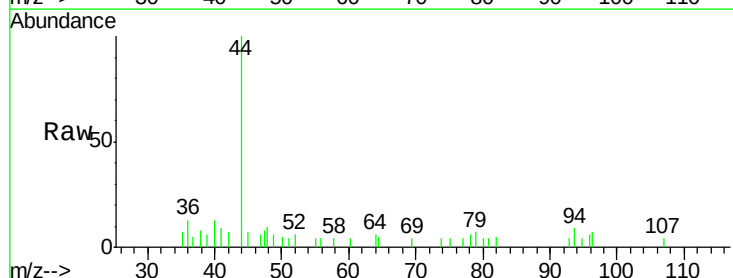
Acq: 04 Apr 2019 11:28

Tgt Ion: 64 Resp: 207

Ion Ratio Lower Upper

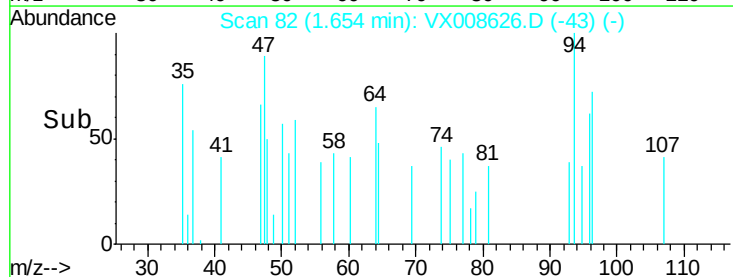
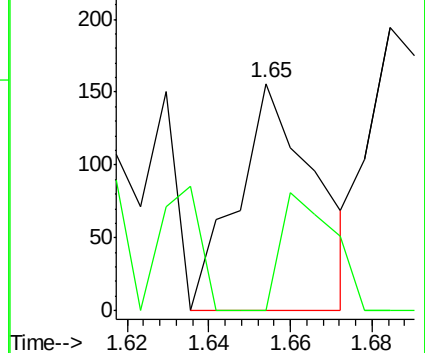
64 100

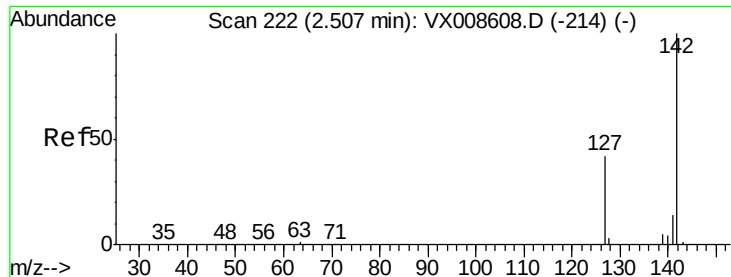
66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

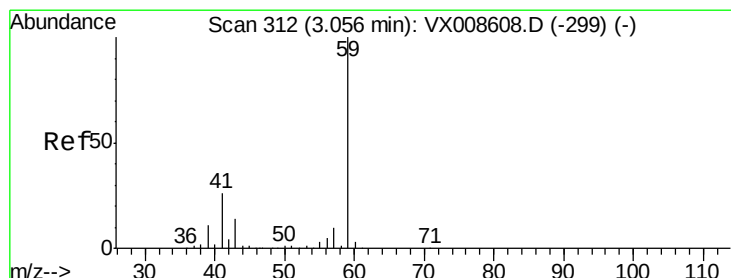
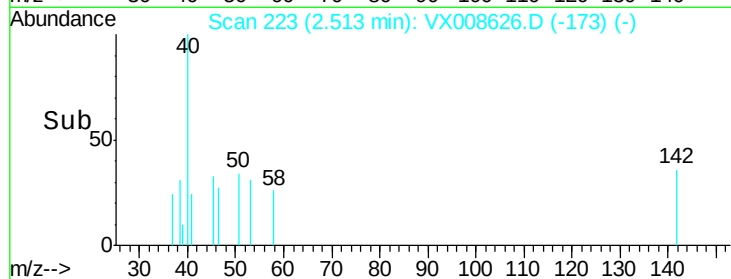
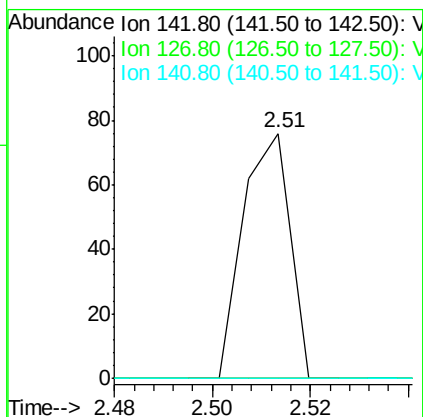
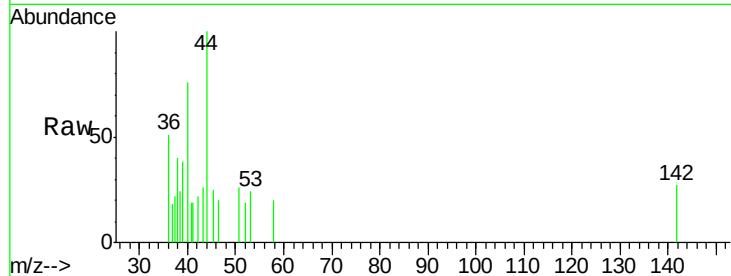




#10
Methyl Iodide
Concen: 4.024 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008626.D
Acq: 04 Apr 2019 11:28

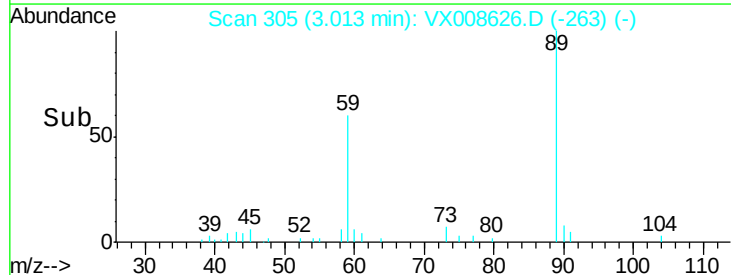
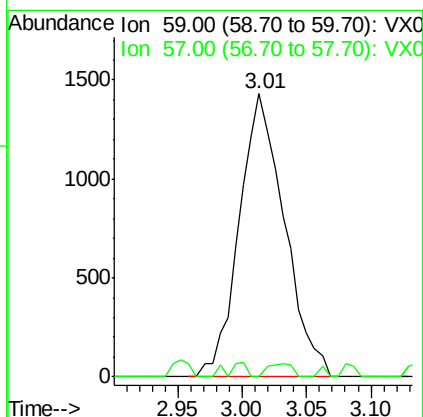
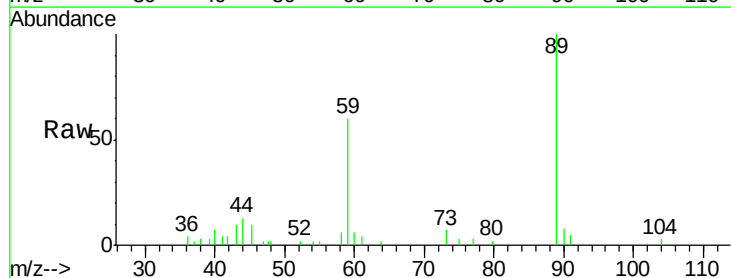
Instrument :
MSVOA_X
ClientSampled :
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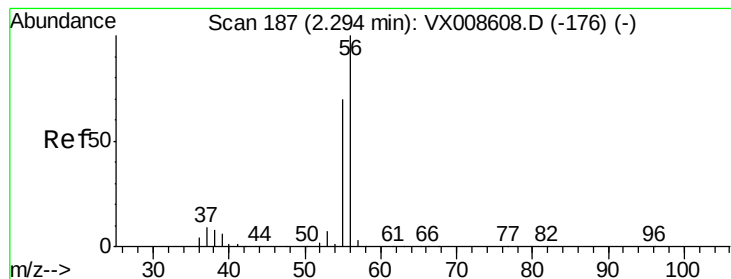
Tgt Ion: 142 Resp: 50
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 4.732 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX008626.D
Acq: 04 Apr 2019 11:28

Tgt Ion: 59 Resp: 3469
Ion Ratio Lower Upper
59 100
57 2.1 8.3 12.5#





#13

Acrolein

Concen: 0.625 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008626.D

Acq: 04 Apr 2019 11:28

Instrument :

MSVOA_X

ClientSampled :

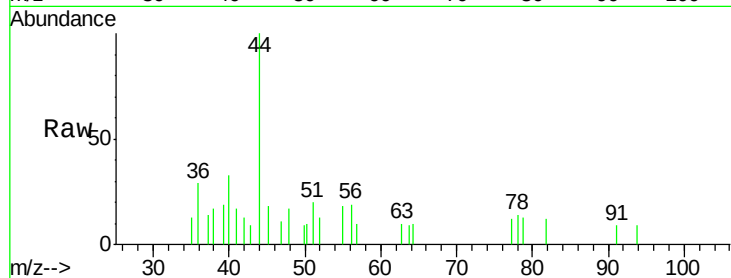
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Tgt Ion: 56 Resp: 227

Ion Ratio Lower Upper

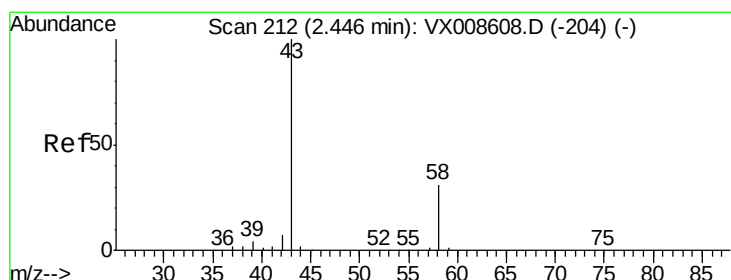
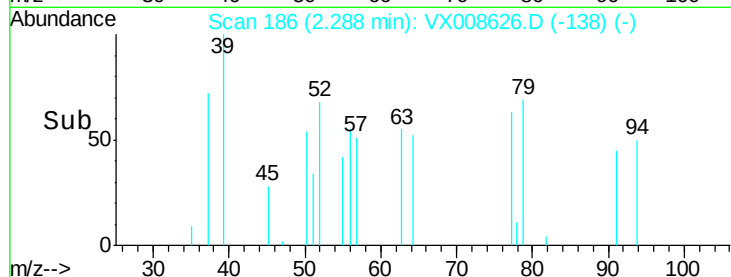
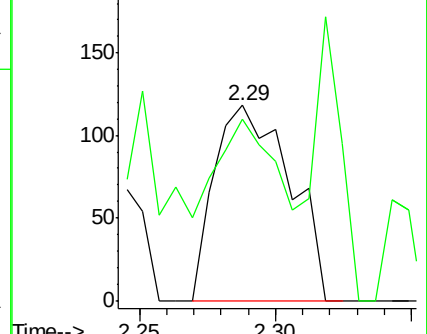
56 100

55 81.9 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.287 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008626.D

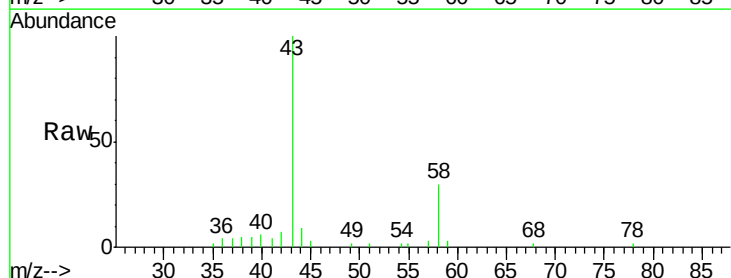
Acq: 04 Apr 2019 11:28

Tgt Ion: 43 Resp: 5928

Ion Ratio Lower Upper

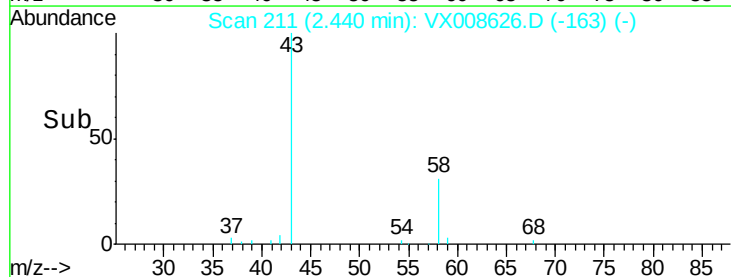
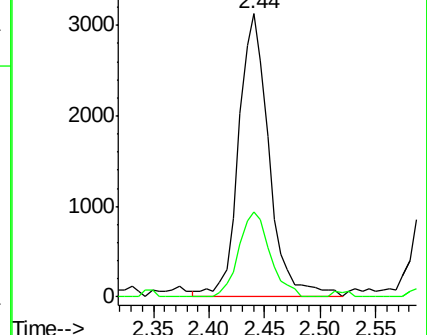
43 100

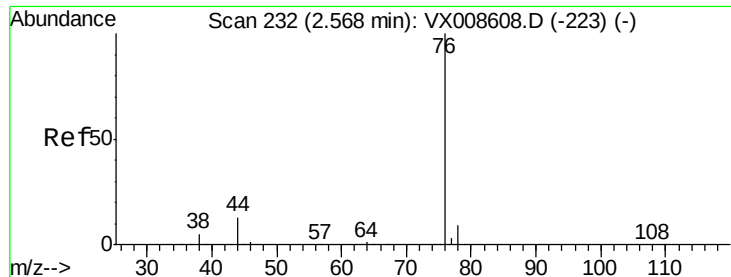
58 29.9 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008626.D

Acq: 04 Apr 2019 11:28

Instrument :

MSVOA_X

ClientSampleId :

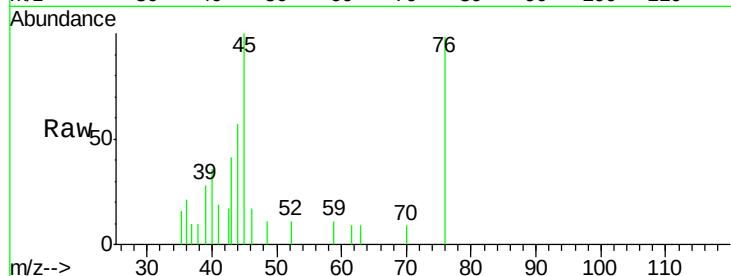
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Tgt Ion: 76 Resp: 844

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

600

500

400

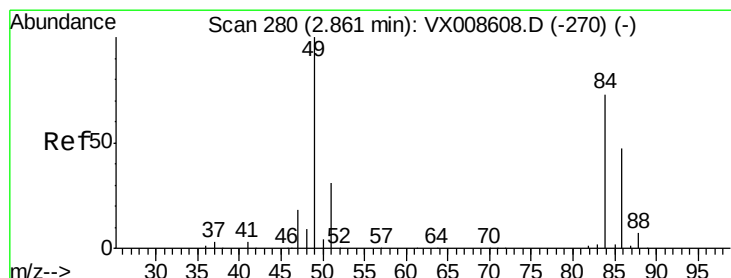
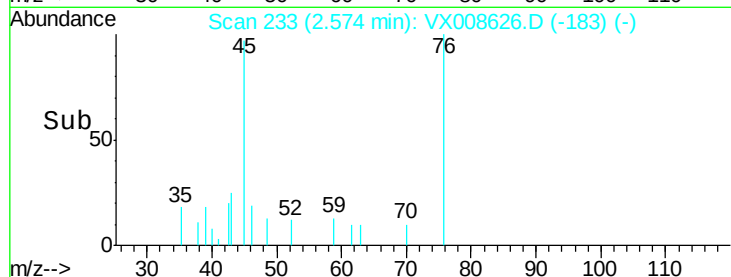
300

200

100

0

Time--> 2.50 2.55 2.60



#20

Methylene Chloride

Concen: 0.215 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX008626.D

Acq: 04 Apr 2019 11:28

Tgt Ion: 84 Resp: 650

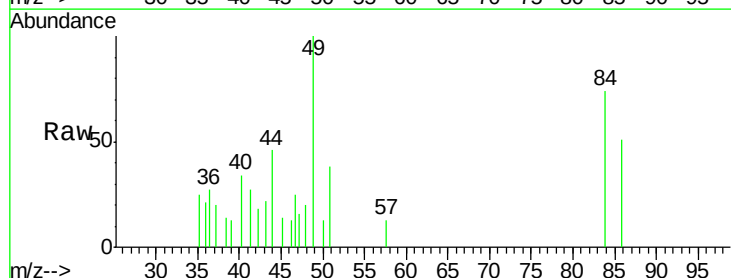
Ion Ratio Lower Upper

84 100

49 135.4 109.7 164.5

51 52.0 33.6 50.4#

86 68.9 51.4 77.2



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

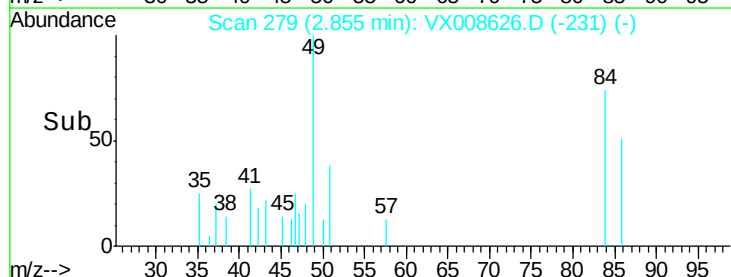
600

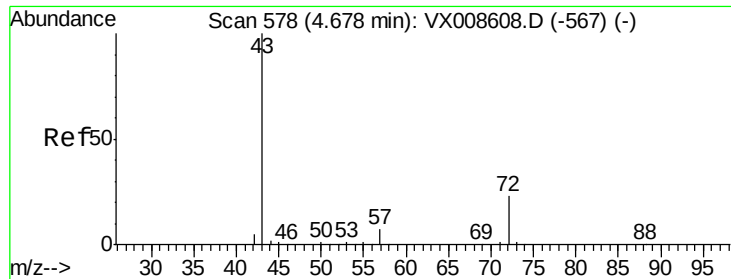
400

200

0

Time--> 2.80 2.85 2.90





#25

2-Butanone

Concen: 0.241 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.00 min

Lab File: VX008626.D

Acq: 04 Apr 2019 11:28

Instrument :

MSVOA_X

ClientSampled :

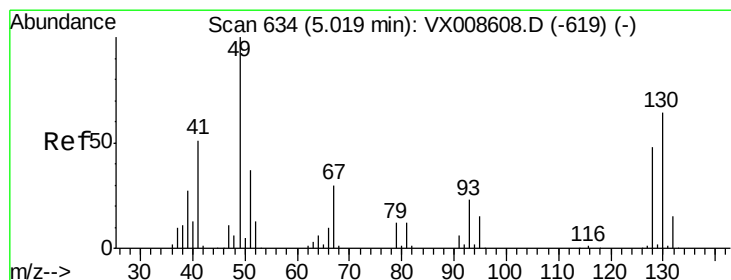
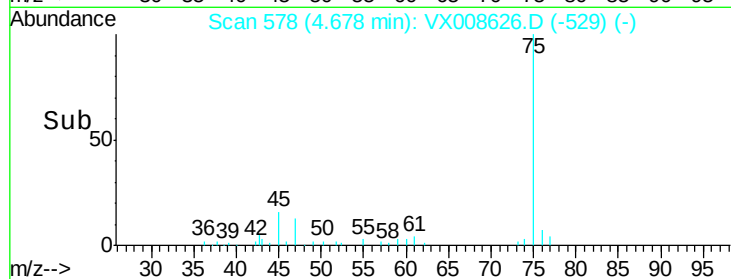
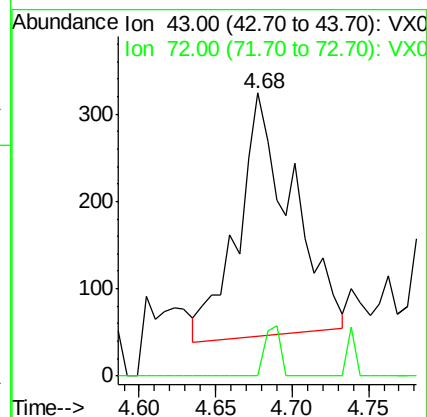
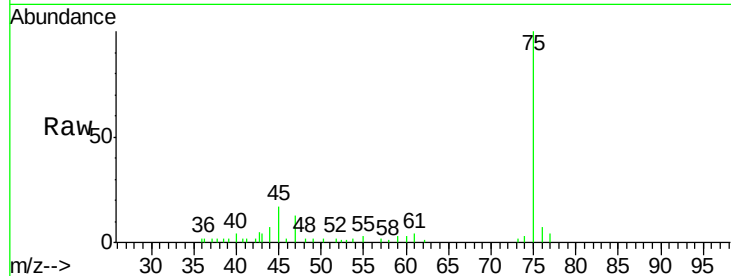
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Tgt Ion: 43 Resp: 687

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.4#



#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 637

Delta R.T. 0.02 min

Lab File: VX008626.D

Acq: 04 Apr 2019 11:28

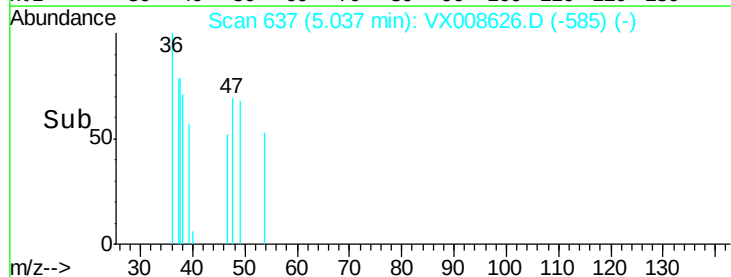
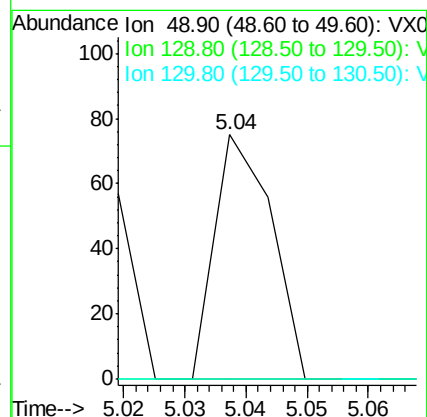
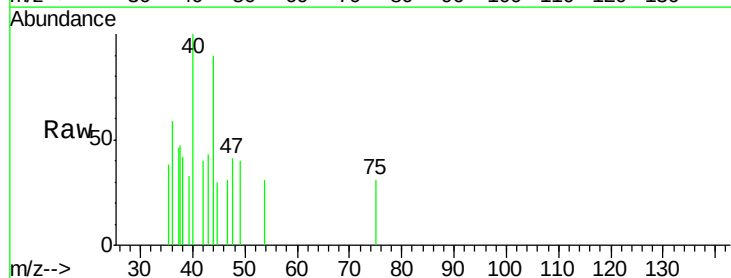
Tgt Ion: 49 Resp: 48

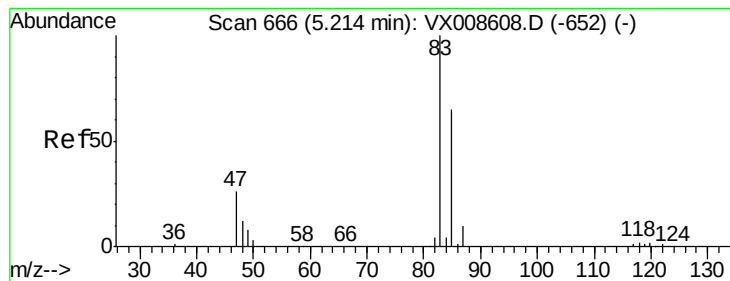
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 49.3 73.9#





#30

Chloroform

Concen: 0.446 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX008626.D

Acq: 04 Apr 2019 11:28

Instrument :

MSVOA_X

ClientSampleId :

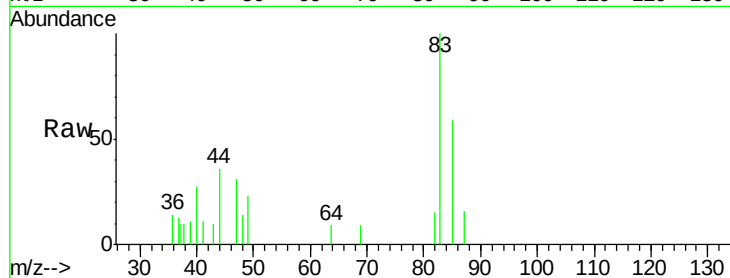
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Tgt Ion: 83 Resp: 2159

Ion Ratio Lower Upper

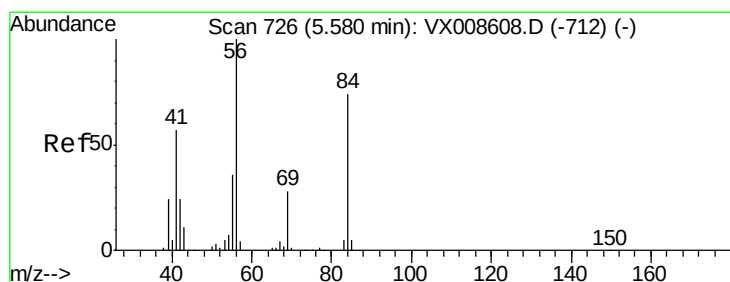
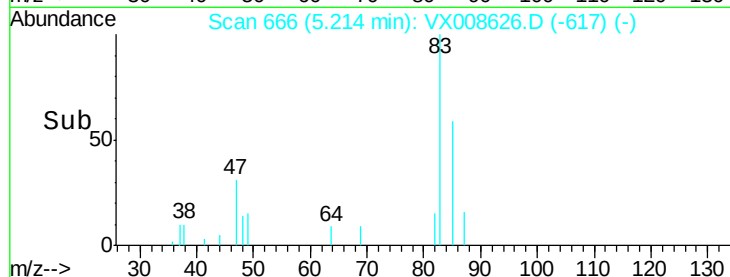
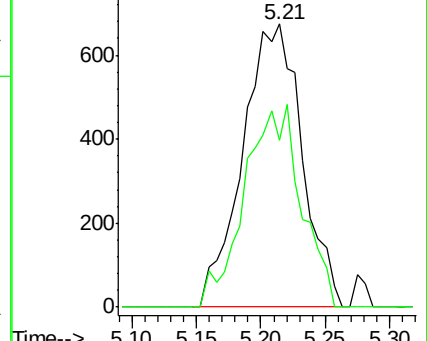
83 100

85 59.2 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



#31

Cyclohexane

Concen: 0.956 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008626.D

Acq: 04 Apr 2019 11:28

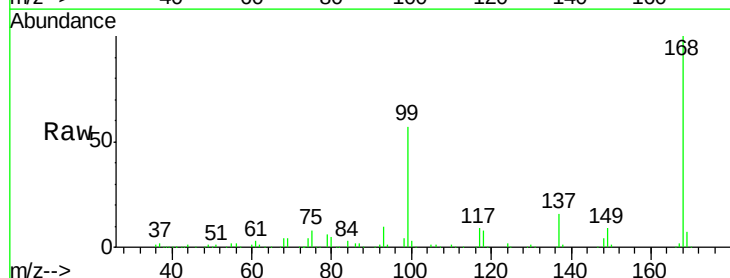
Tgt Ion: 56 Resp: 5172

Ion Ratio Lower Upper

56 100

69 164.9 22.6 33.8#

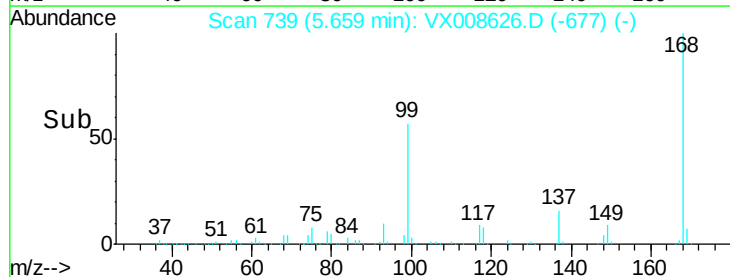
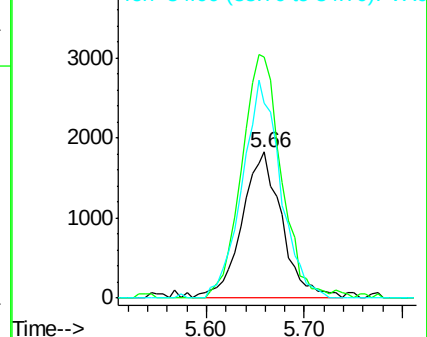
84 133.6 59.3 88.9#

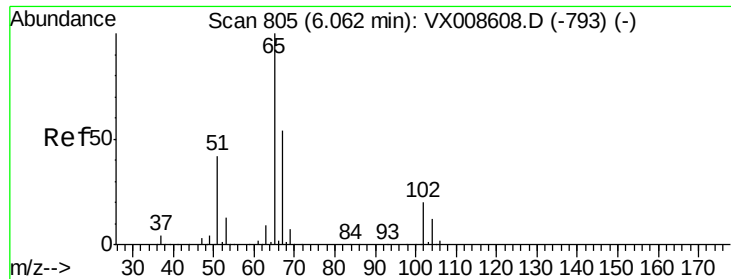


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

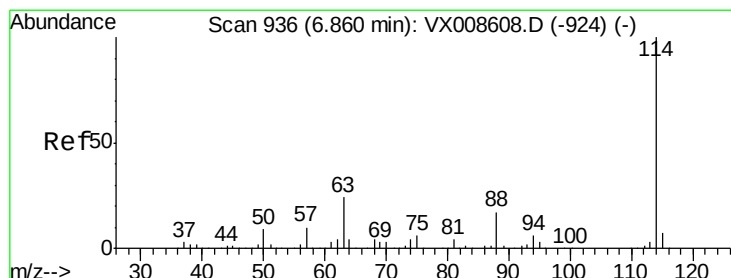
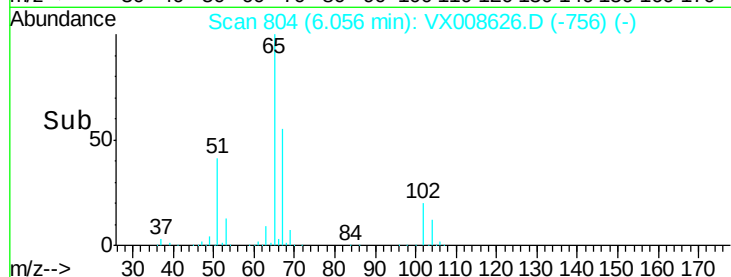
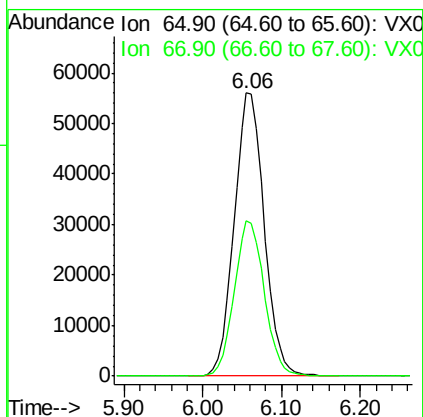
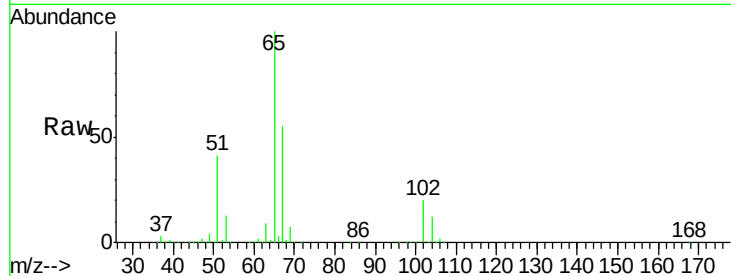




#33
 1,2-Dichloroethane-d4
 Concen: 47.468 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX008626.D
 Acq: 04 Apr 2019 11:28

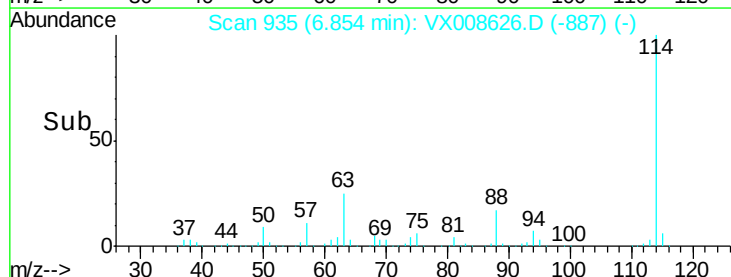
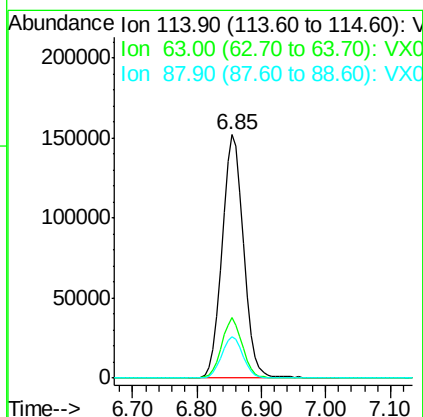
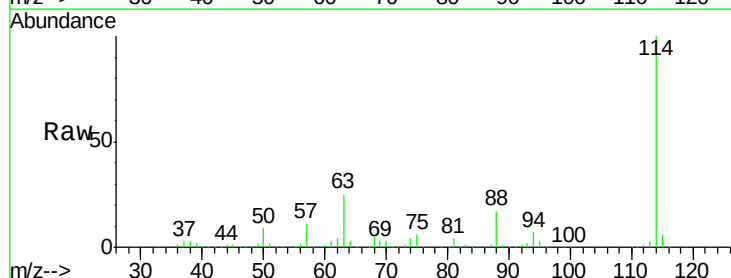
Instrument :
 MSVOA_X
 ClientSampled :
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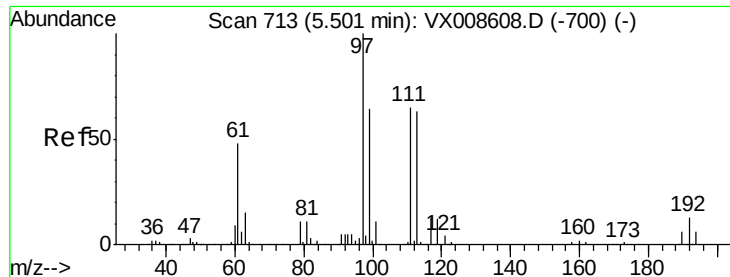
Tgt Ion: 65 Resp: 148625
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008626.D
 Acq: 04 Apr 2019 11:28

Tgt Ion: 114 Resp: 360150
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 47.2
 88 16.8 0.0 34.0





#35

Dibromofluoromethane

Concen: 48.007 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008626.D

Acq: 04 Apr 2019 11:28

Instrument :

MSVOA_X

ClientSampled :

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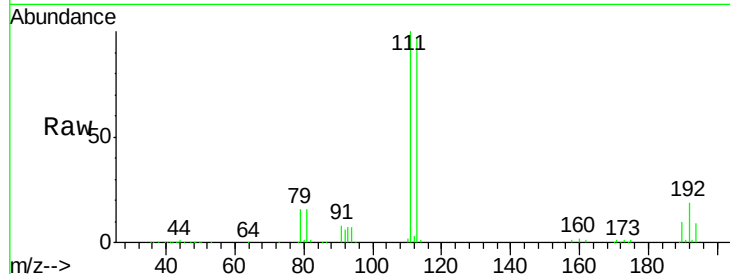
Tgt Ion:113 Resp: 110544

Ion Ratio Lower Upper

113 100

111 103.9 83.4 125.2

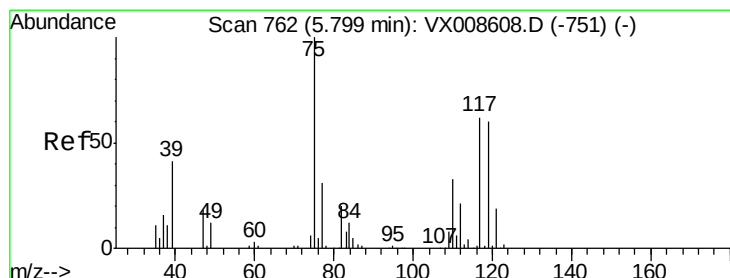
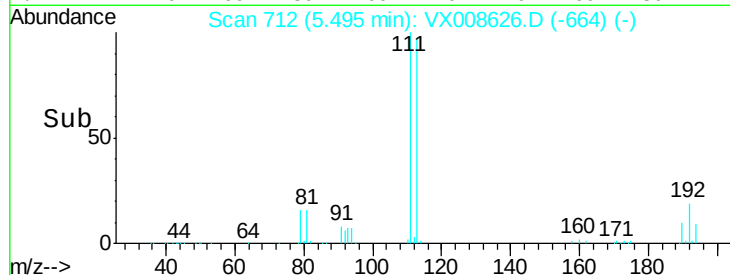
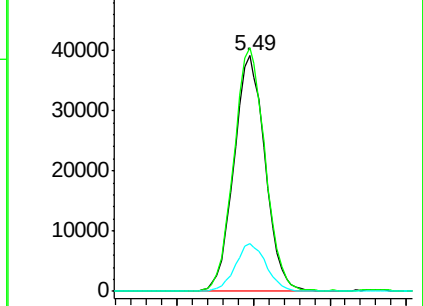
192 20.2 16.1 24.1



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: 4.639 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX008626.D

Acq: 04 Apr 2019 11:28

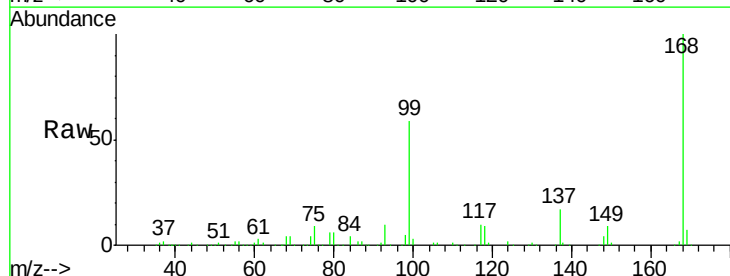
Tgt Ion: 75 Resp: 18263

Ion Ratio Lower Upper

75 100

110 8.8 16.4 49.2#

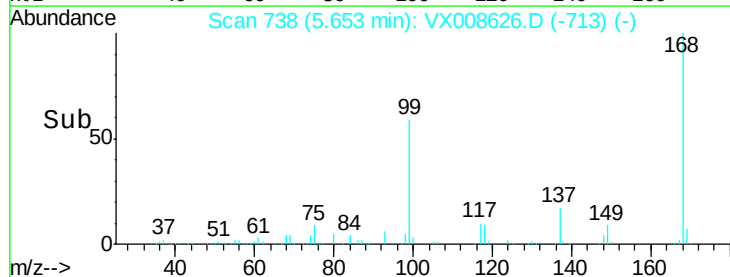
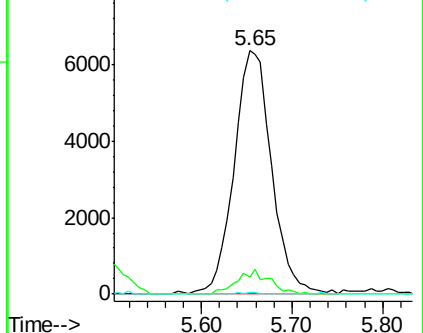
77 0.3 24.7 37.1#

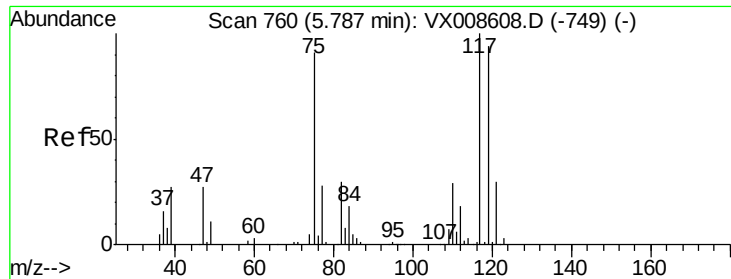


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

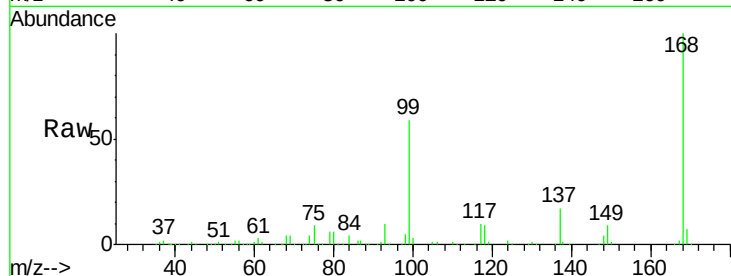




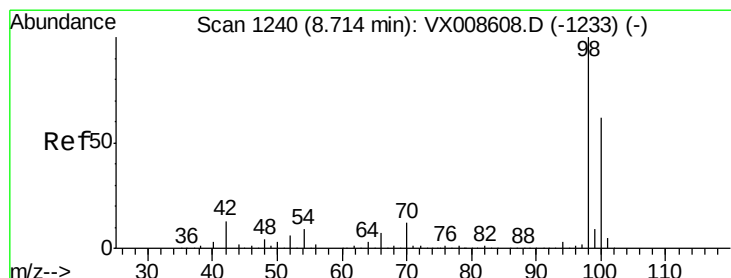
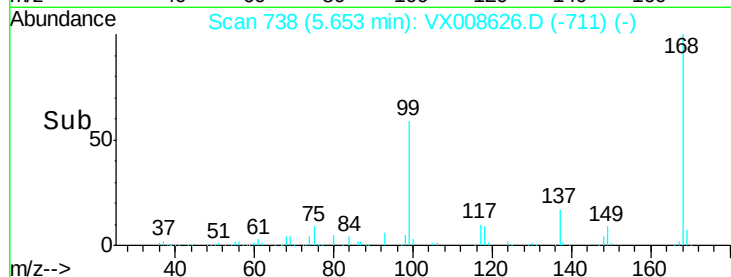
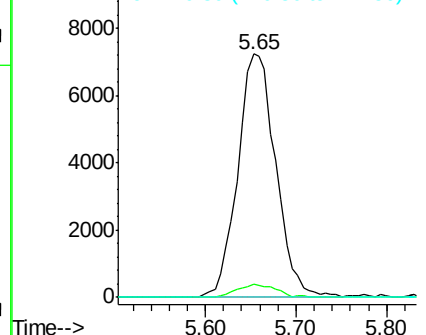
#38
Carbon Tetrachloride
Concen: 6.447 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX008626.D
Acq: 04 Apr 2019 11:28

Instrument :
MSVOA_X
ClientSampled :
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Tgt Ion:117 Resp: 21005
Ion Ratio Lower Upper
117 100
119 5.3 75.0 112.6#
121 0.0 24.3 36.5#

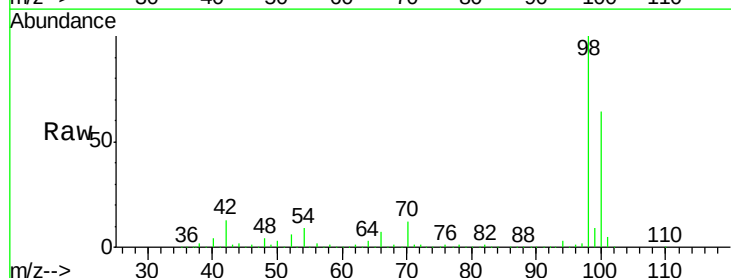


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

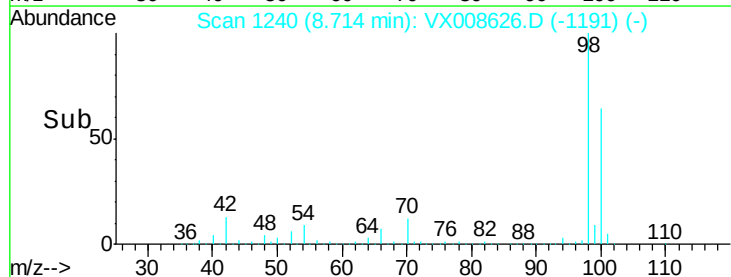
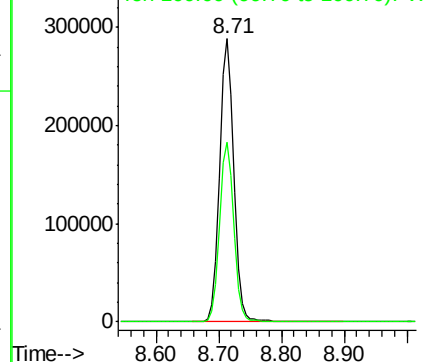


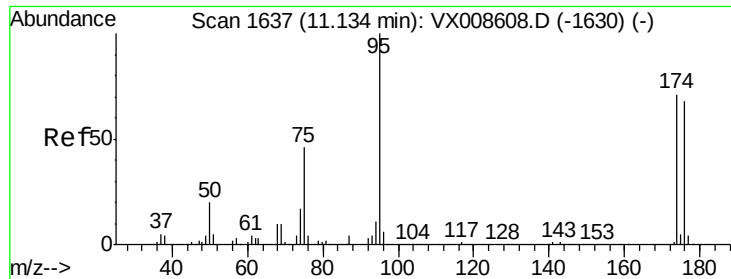
#50
Toluene-d8
Concen: 49.247 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008626.D
Acq: 04 Apr 2019 11:28

Tgt Ion: 98 Resp: 451529
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

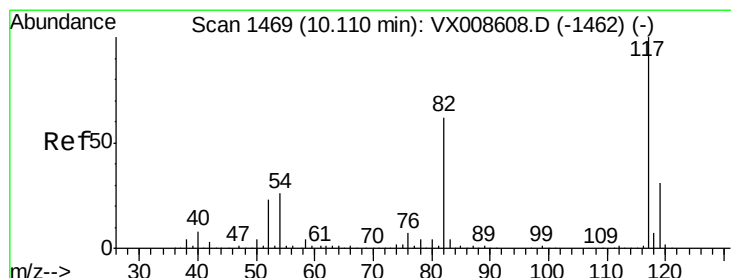
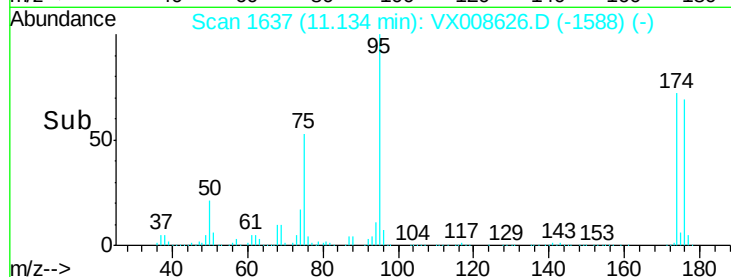
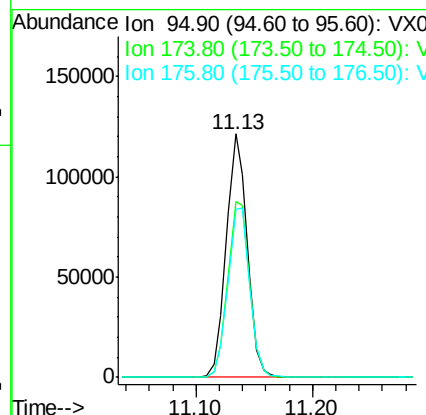
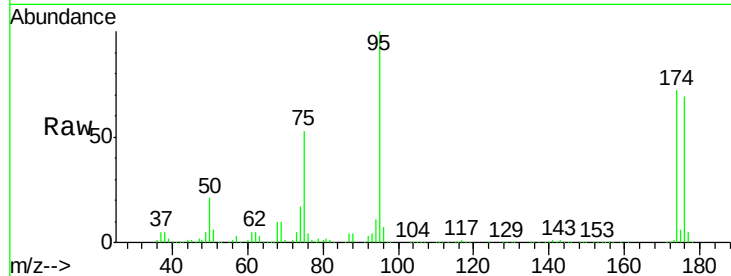




#62
4-Bromofluorobenzene
Concen: 46.241 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008626.D
Acq: 04 Apr 2019 11:28

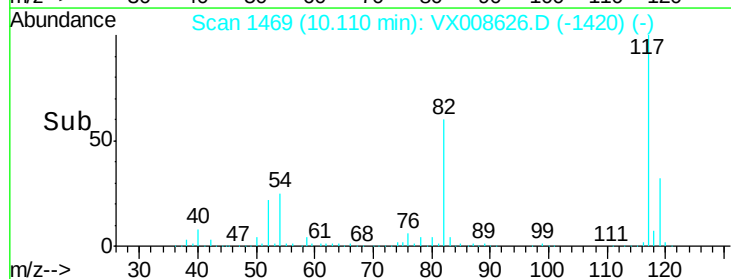
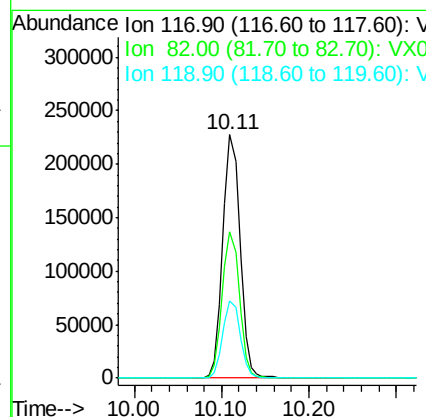
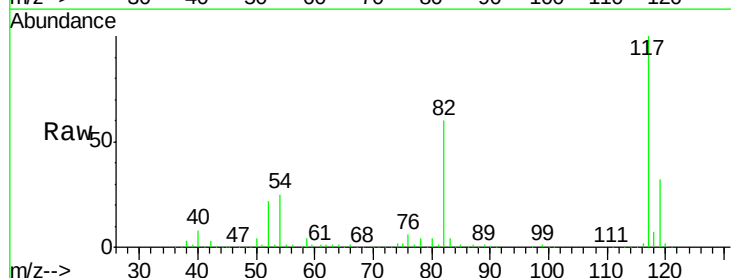
Instrument :
MSVOA_X
ClientSampleId :
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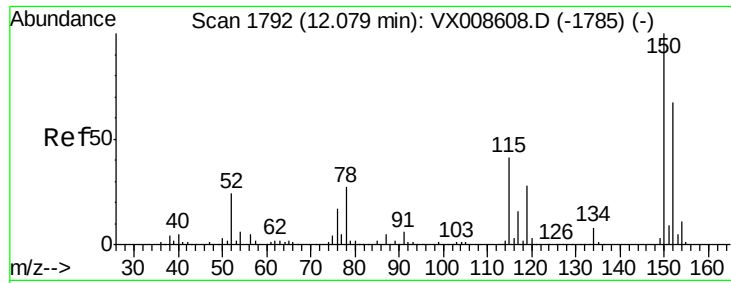
Tgt Ion: 95 Resp: 150344
Ion Ratio Lower Upper
95 100
174 75.4 0.0 151.8
176 73.1 0.0 145.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008626.D
Acq: 04 Apr 2019 11:28

Tgt Ion: 117 Resp: 311843
Ion Ratio Lower Upper
117 100
82 60.3 49.6 74.4
119 31.5 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008626.D

Acq: 04 Apr 2019 11:28

Instrument :

MSVOA_X

ClientSampled :

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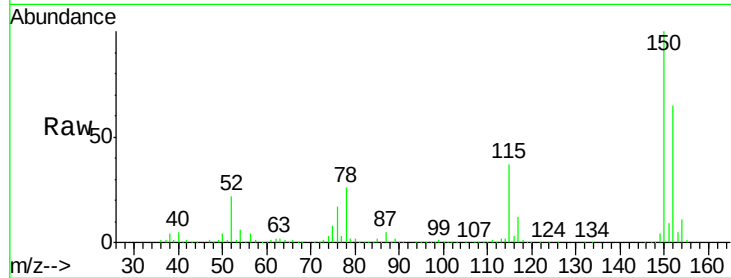
Tgt Ion: 152 Resp: 127339

Ion Ratio Lower Upper

152 100

115 60.1 43.5 130.5

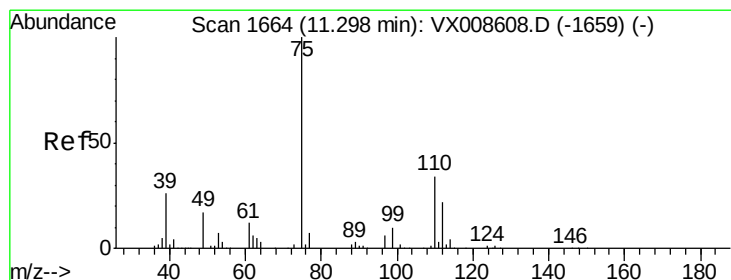
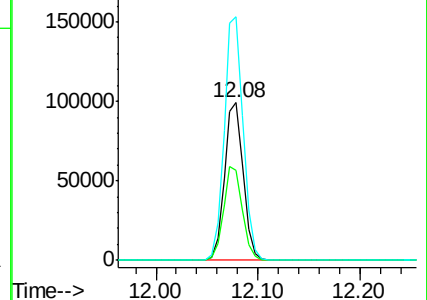
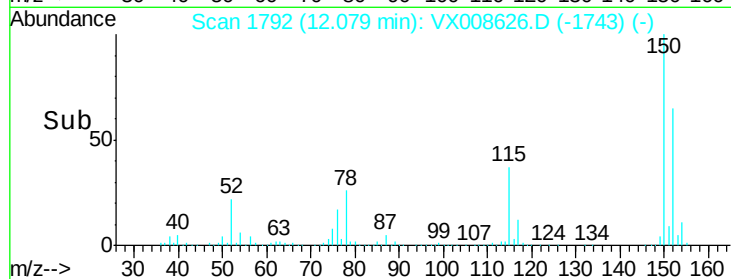
150 156.2 0.0 348.8



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: 22.216 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008626.D

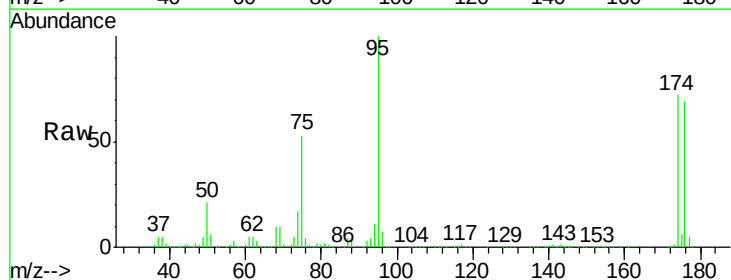
Acq: 04 Apr 2019 11:28

Tgt Ion: 75 Resp: 77715

Ion Ratio Lower Upper

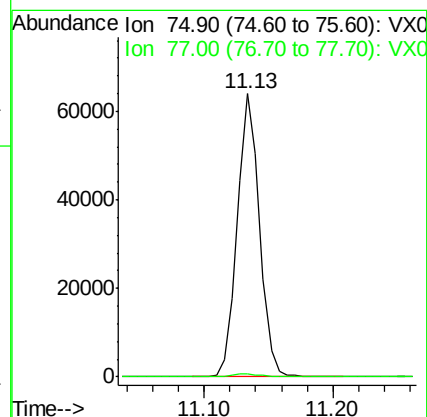
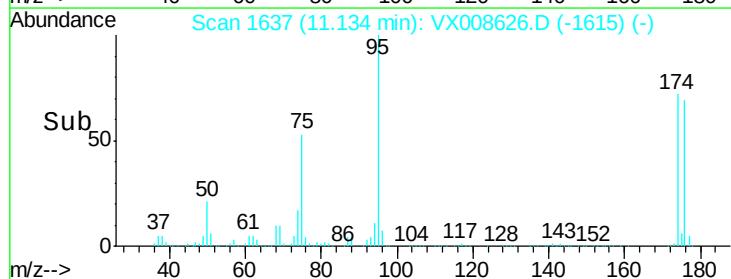
75 100

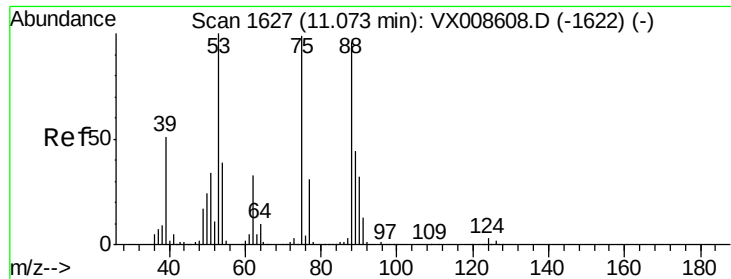
77 1.3 22.3 66.8#



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: 61.240 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008626.D

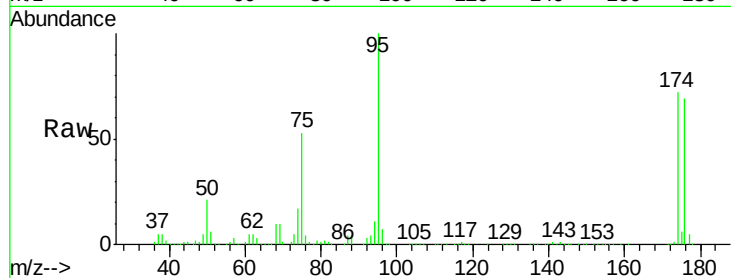
Acq: 04 Apr 2019 11:28

Instrument :

MSVOA_X

ClientSampleId :

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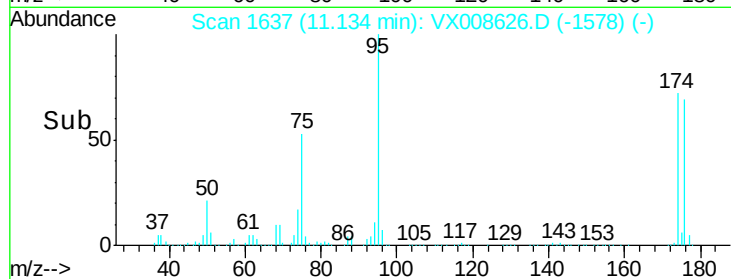
Tgt Ion: 75 Resp: 77715

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.1 35.6 53.4#



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

