

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040819\
 Data File : VX008747.D
 Acq On : 08 Apr 2019 16:01
 Operator : JC/SP
 Sample : K2306-04
 Misc : 5.89g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-004-IDWSO-20190404

Quant Time: Apr 09 06:45:26 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	147824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	245415	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	219606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	103899	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	102019	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
35) Dibromofluoromethane	5.51	113	72268	46.06	ug/l	0.00
Spiked Amount			Recovery	=	92.12%	
50) Toluene-d8	8.71	98	309891	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	11.14	95	111938	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	

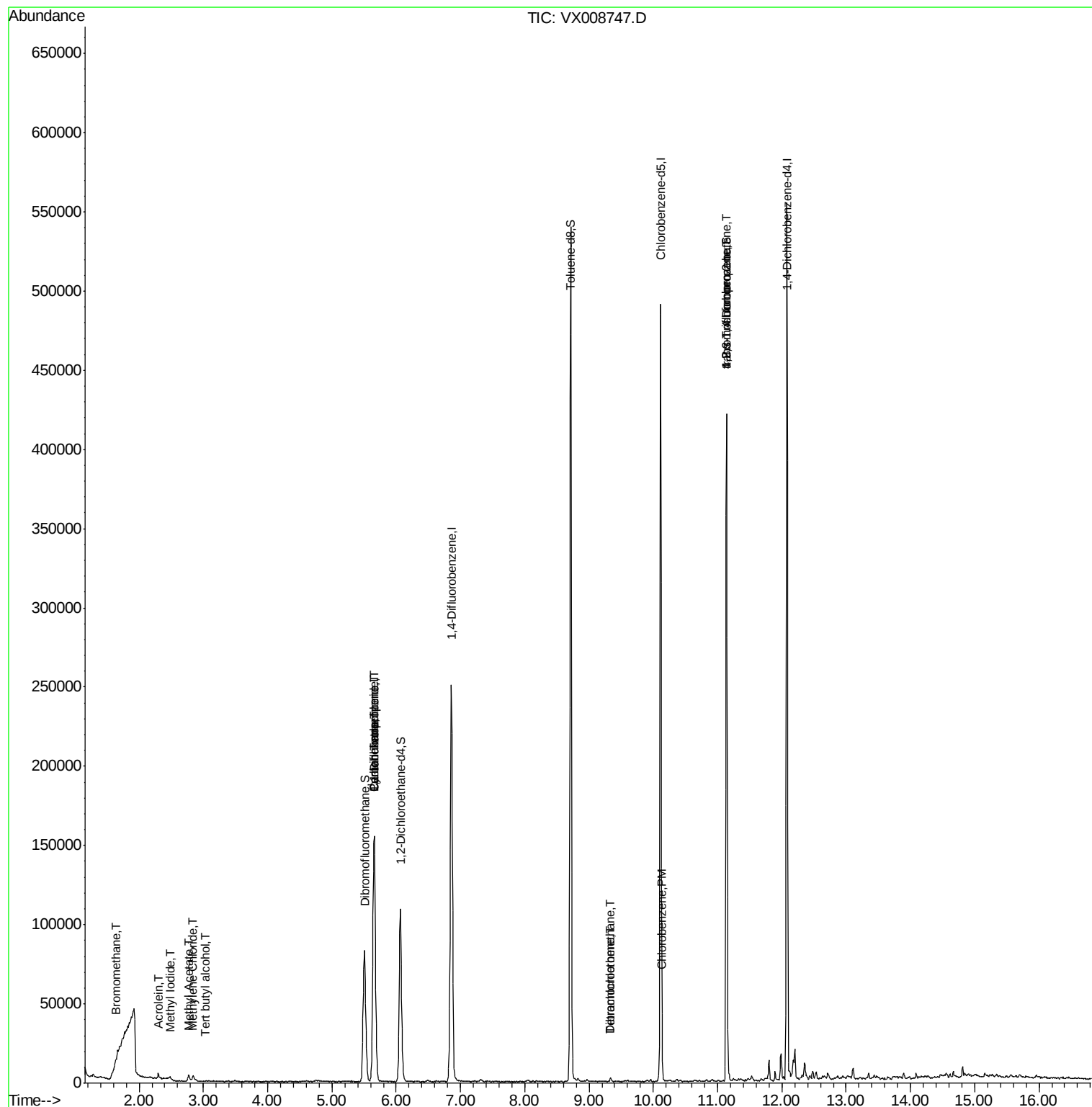
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	438	Below Cal	#	70
5) Bromomethane	1.64	94	793	2.559	ug/l	85
6) Chloroethane	1.70	64	241	Below Cal		98
10) Methyl Iodide	2.48	142	391	4.244	ug/l #	91
11) Tert butyl alcohol	3.03	59	249	0.493	ug/l #	72
13) Acrolein	2.29	56	227	0.907	ug/l #	68
17) Carbon Disulfide	2.56	76	19	Below Cal	#	86
18) Methyl Acetate	2.77	43	752	0.250	ug/l #	56
20) Methylene Chloride	2.84	84	1706	0.821	ug/l #	94
28) Bromochloromethane	4.99	49	88	Below Cal	#	22
31) Cyclohexane	5.66	56	3388	0.909	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	12360	4.607	ug/l #	51
38) Carbon Tetrachloride	5.65	117	14163	6.379	ug/l #	17
60) Dibromochloromethane	9.34	129	491	0.276	ug/l #	11
64) Tetrachloroethene	9.33	164	406	0.250	ug/l #	79
65) Chlorobenzene	10.14	112	1284	0.264	ug/l	100
76) 1,2,3-Trichloropropane	11.14	75	56635	19.843	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	56635	54.697	ug/l #	9

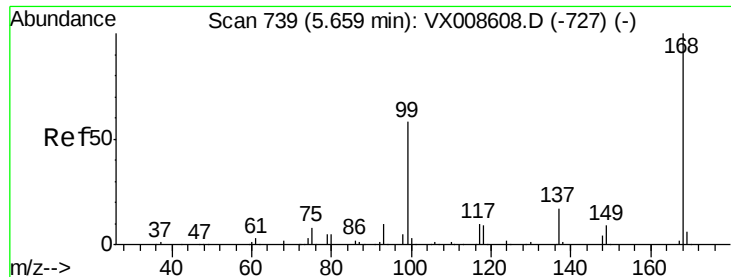
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008747.D

Acq: 08 Apr 2019 16:01

Instrument :

MSVOA_X

ClientSampleId :

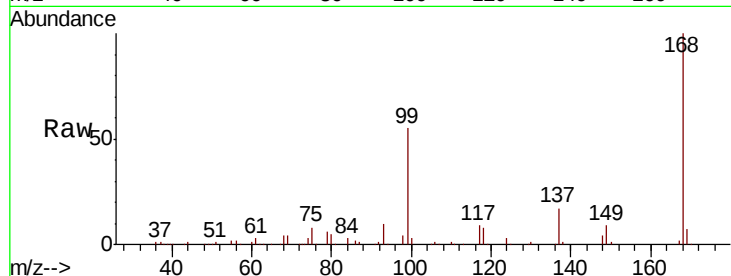
TT-004-IDWSO-20190404

Tot Ion:168 Resp: 147824

Ion Ratio Lower Upper

168 100

99 55.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

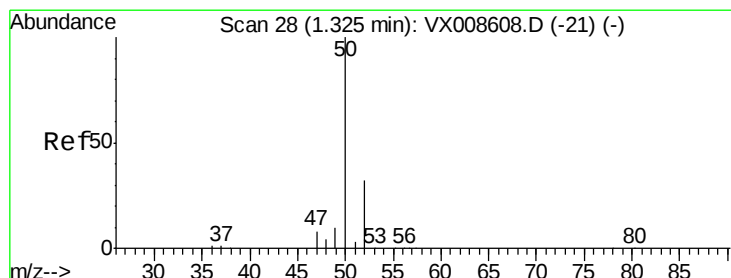
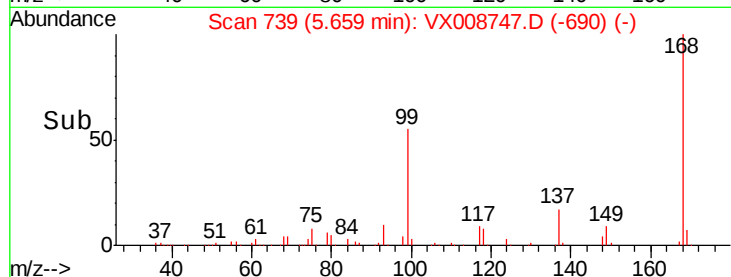
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008747.D

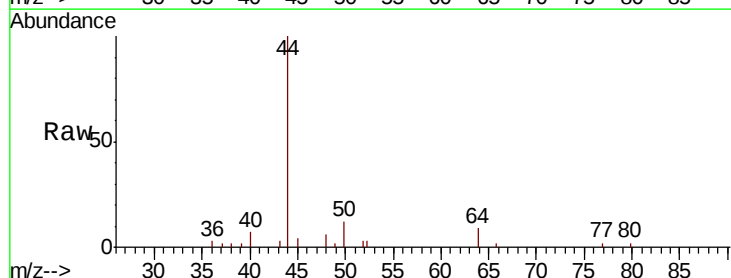
Acq: 08 Apr 2019 16:01

Tgt Ion: 50 Resp: 438

Ion Ratio Lower Upper

50 100

52 49.0 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

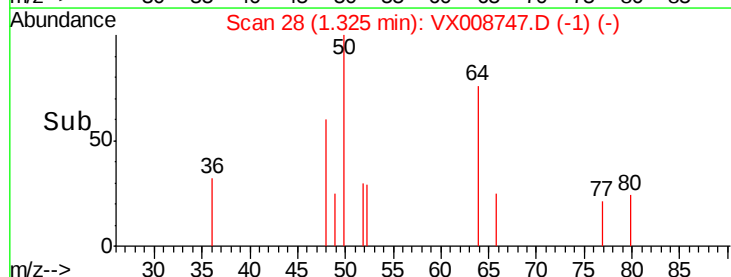
300

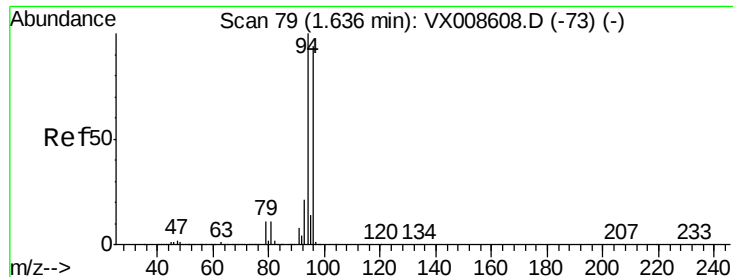
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.559 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008747.D

Acq: 08 Apr 2019 16:01

Instrument :

MSVOA_X

ClientSampleId :

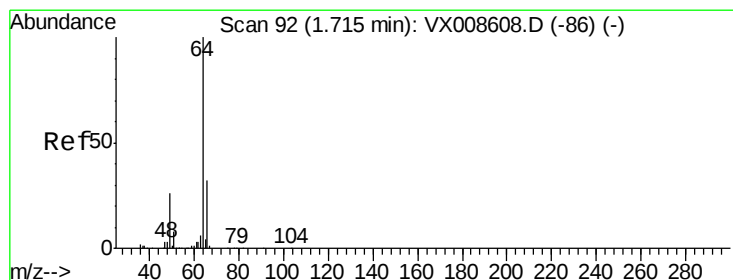
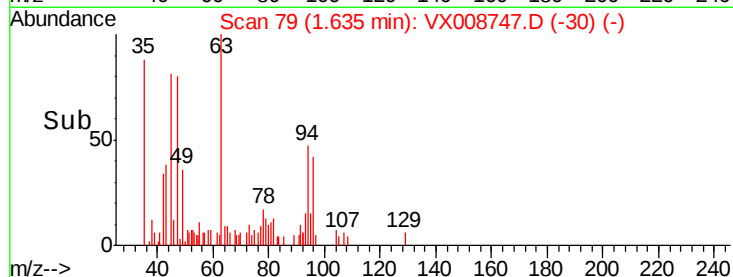
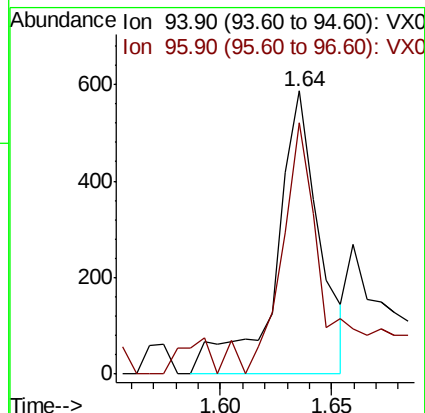
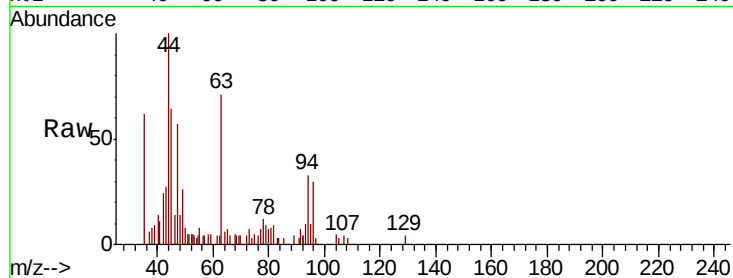
TT-004-IDWSO-20190404

Tot Ion: 94 Resp: 793

Ion Ratio Lower Upper

94 100

96 79.6 75.2 112.8



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX008747.D

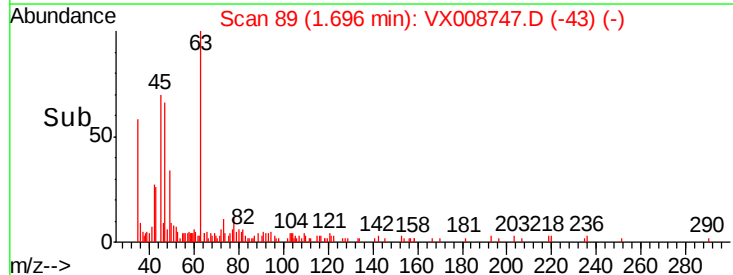
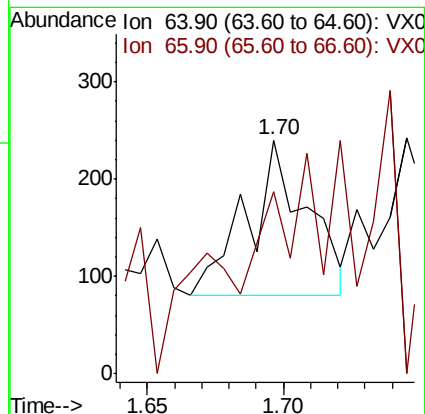
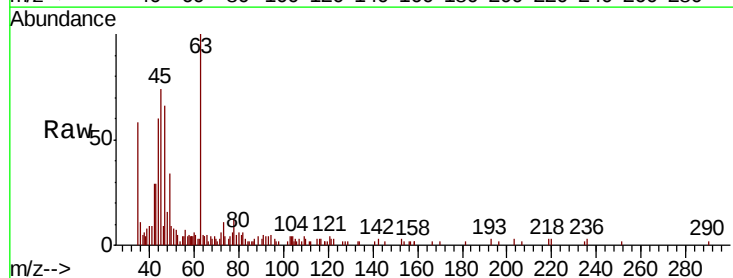
Acq: 08 Apr 2019 16:01

Tgt Ion: 64 Resp: 241

Ion Ratio Lower Upper

64 100

66 30.6 25.4 38.0

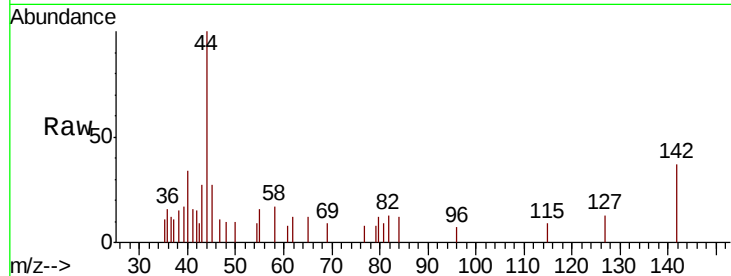




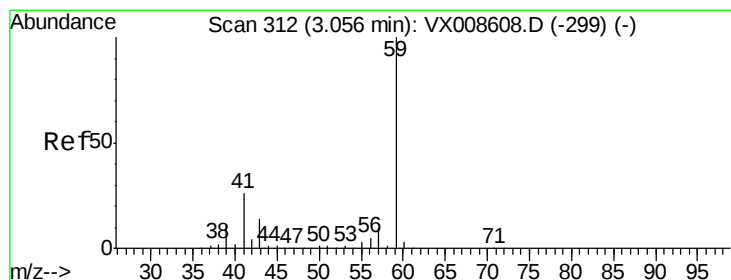
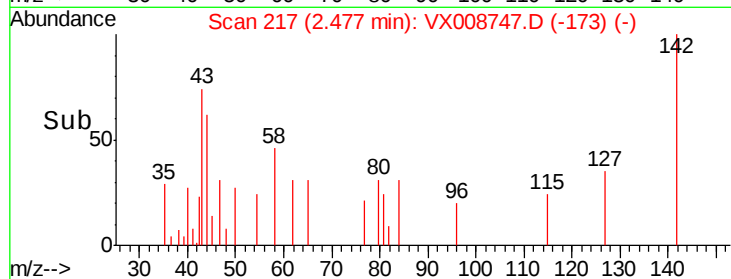
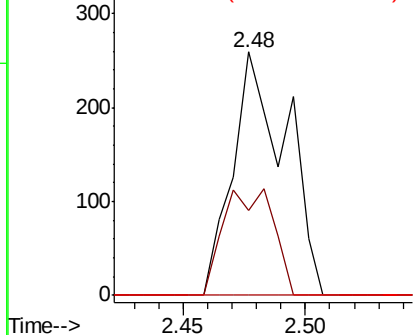
#10
Methvl Iodide
Concen: 4.244 ug/l
RT: 2.48 min Scan# 217
Delta R.T. -0.03 min
Lab File: VX008747.D
Acq: 08 Apr 2019 16:01

Instrument :
MSVOA_X
ClientSampleId :
TT-004-IDWSO-20190404

Tot Ion:142 Resp: 391
Ion Ratio Lower Upper
142 100
127 41.4 33.0 49.6
141 0.0 11.4 17.2#

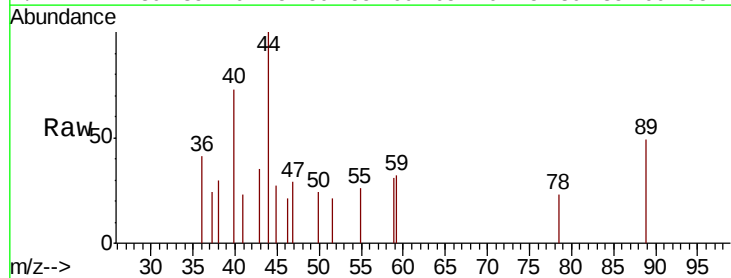


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

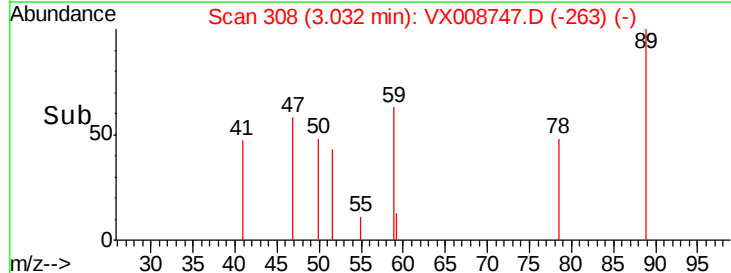
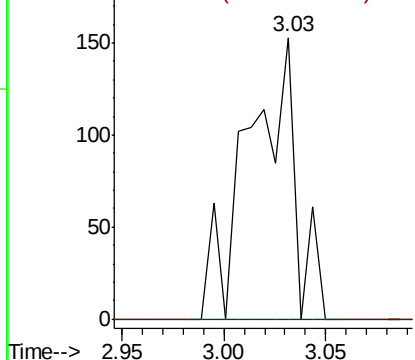


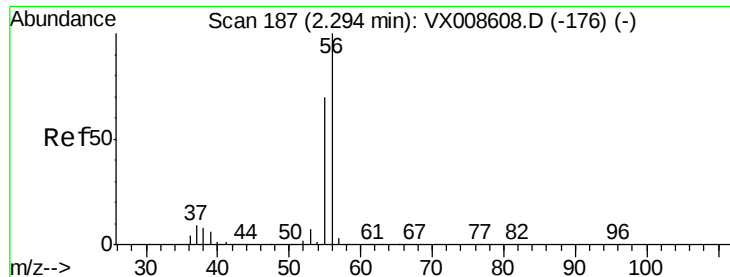
#11
Tert butyl alcohol
Concen: 0.493 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX008747.D
Acq: 08 Apr 2019 16:01

Tgt Ion: 59 Resp: 249
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.907 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008747.D

Acq: 08 Apr 2019 16:01

Instrument :

MSVOA_X

ClientSampleId :

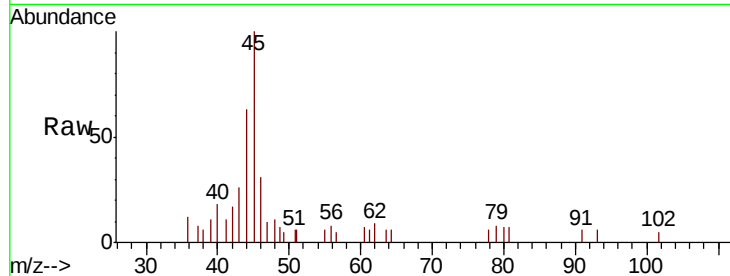
TT-004-IDWSO-20190404

Tot Ion: 56 Resp: 227

Ion Ratio Lower Upper

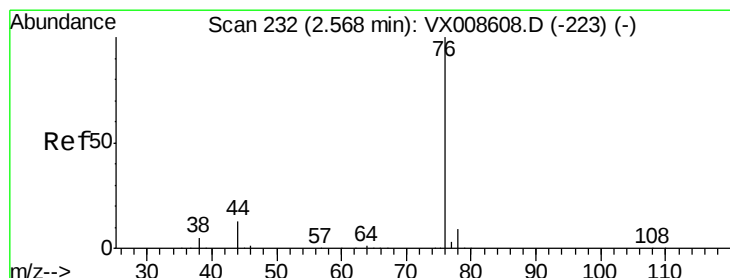
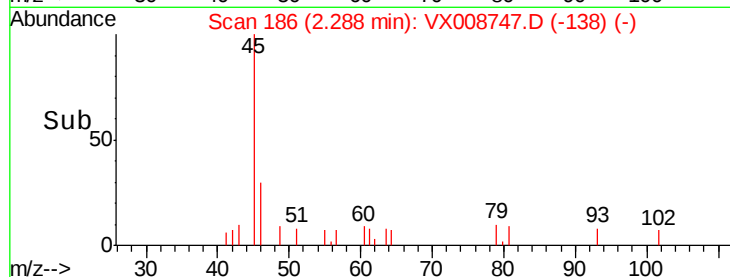
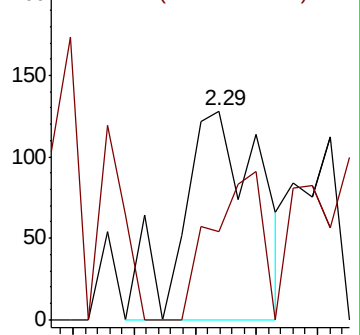
56 100

55 45.8 58.0 87.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.56 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX008747.D

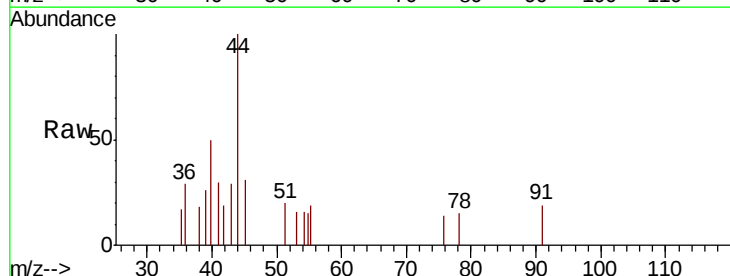
Acq: 08 Apr 2019 16:01

Tgt Ion: 76 Resp: 19

Ion Ratio Lower Upper

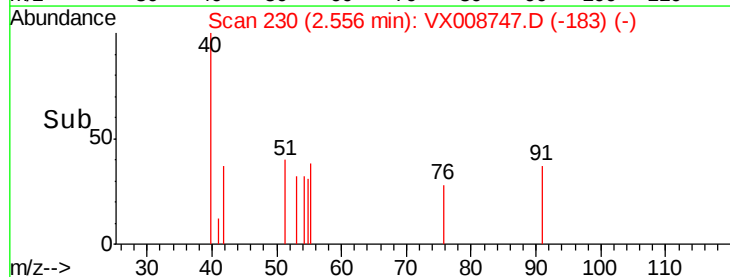
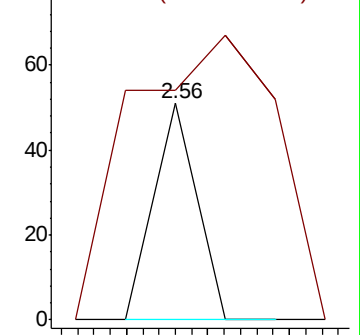
76 100

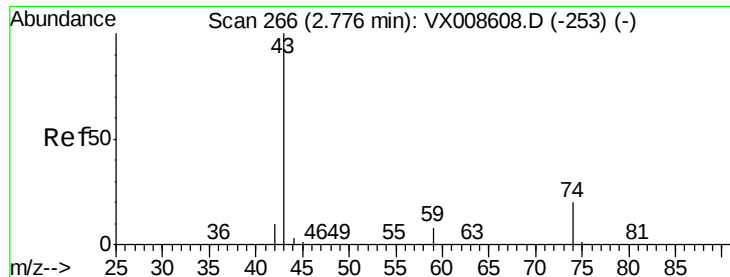
78 3.9 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

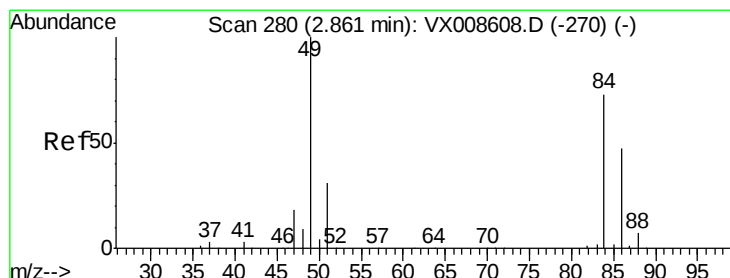
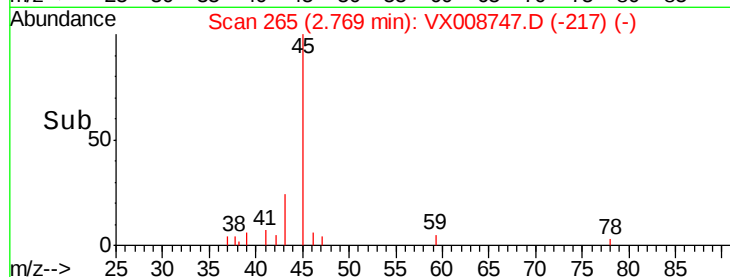
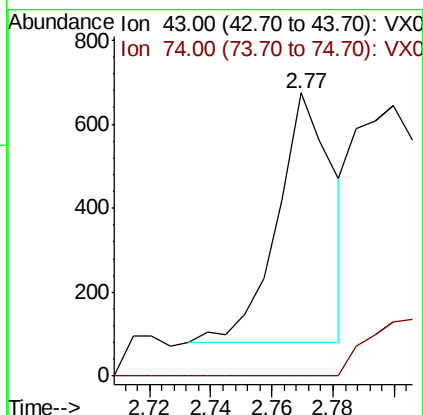
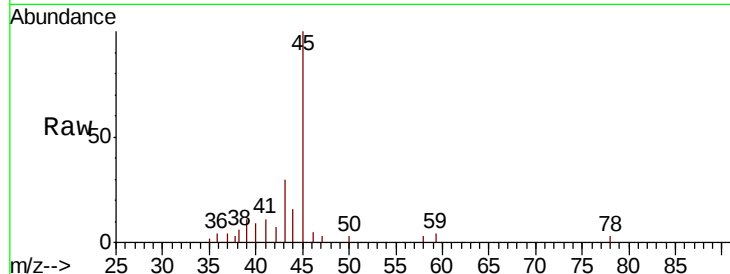




#18
Methvl Acetate
Concen: 0.250 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX008747.D
Acq: 08 Apr 2019 16:01

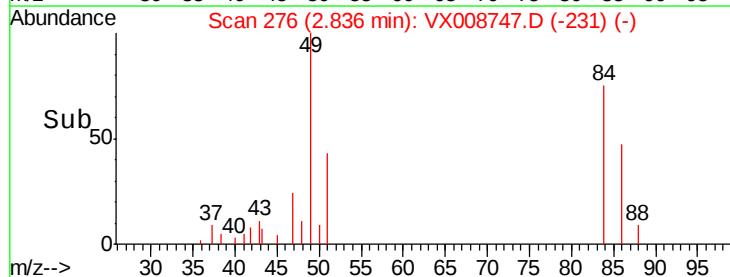
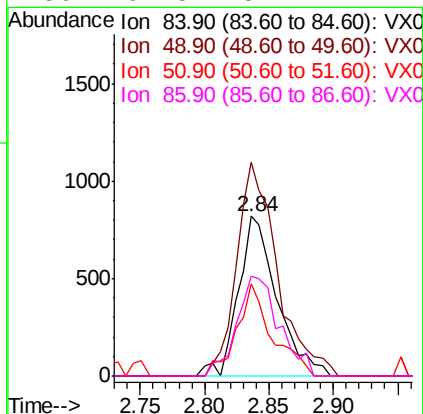
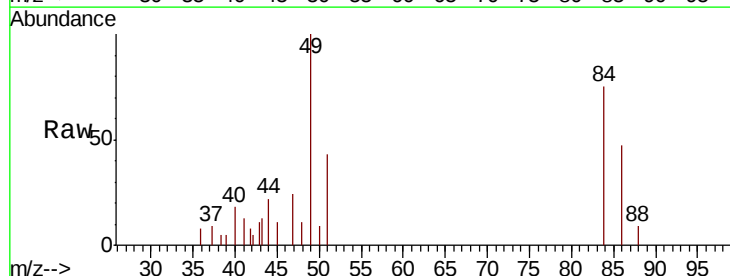
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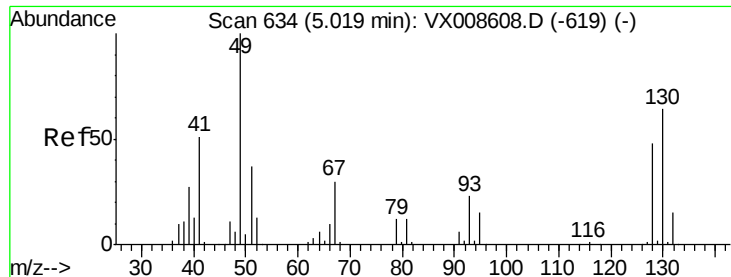
Tot Ion: 43 Resp: 752
Ion Ratio Lower Upper
43 100
74 0.0 16.5 24.7#



#20
Methylene Chloride
Concen: 0.821 ug/l
RT: 2.84 min Scan# 276
Delta R.T. -0.02 min
Lab File: VX008747.D
Acq: 08 Apr 2019 16:01

Tgt Ion: 84 Resp: 1706
Ion Ratio Lower Upper
84 100
49 133.8 109.7 164.5
51 57.9 33.6 50.4#
86 62.5 51.4 77.2





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 629

Delta R.T. -0.03 min

Lab File: VX008747.D

Acq: 08 Apr 2019 16:01

Instrument :

MSVOA_X

ClientSampleId :

TT-004-IDWSO-20190404

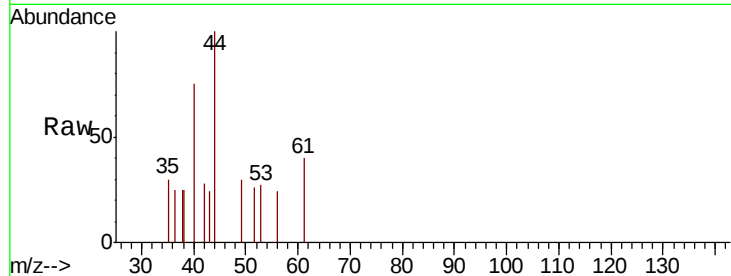
Tot Ion: 49 Resp: 88

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

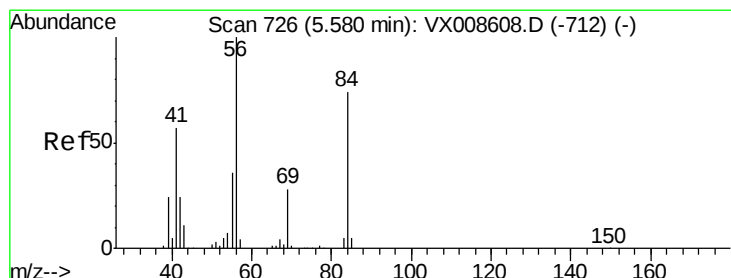
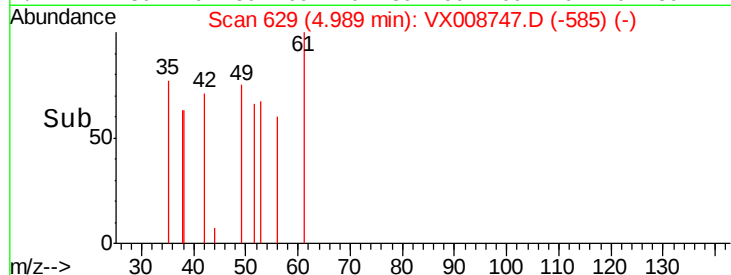
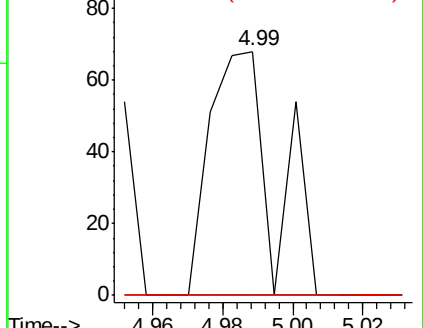
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 0.909 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008747.D

Acq: 08 Apr 2019 16:01

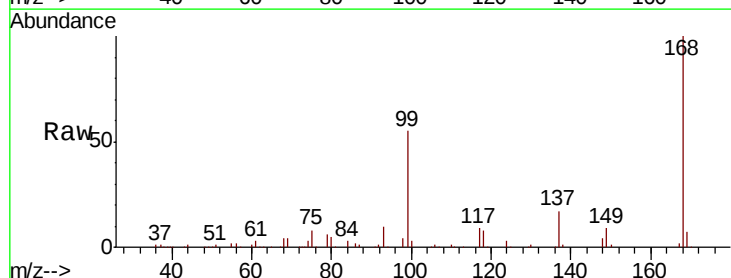
Tgt Ion: 56 Resp: 3388

Ion Ratio Lower Upper

56 100

69 161.8 22.6 33.8#

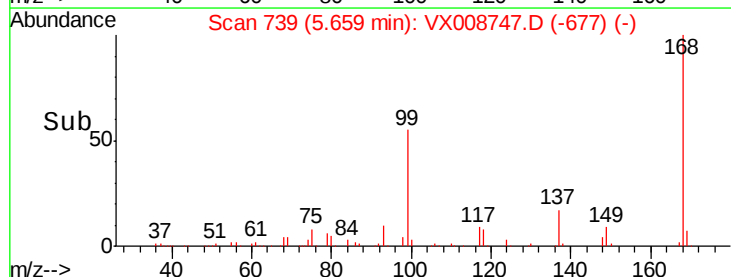
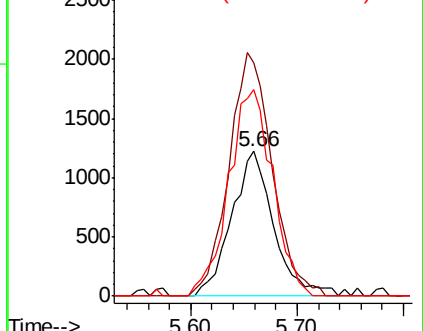
84 143.0 59.3 88.9#

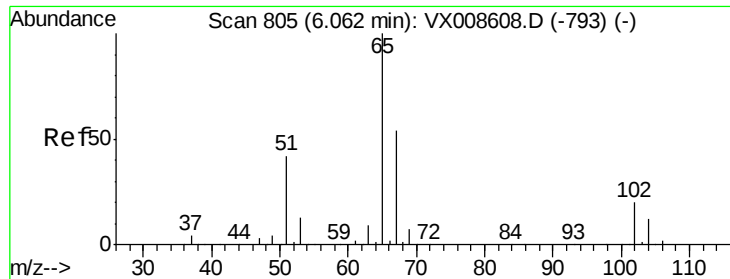


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

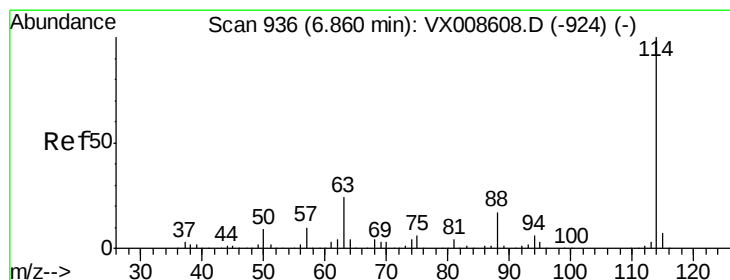
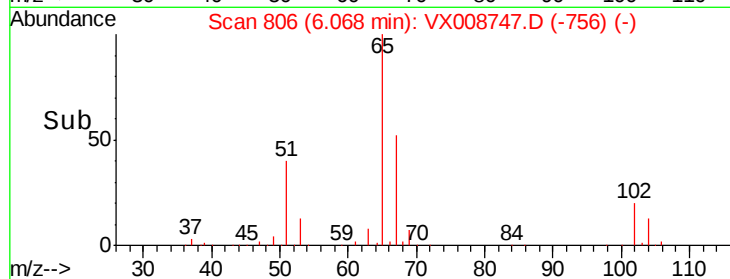
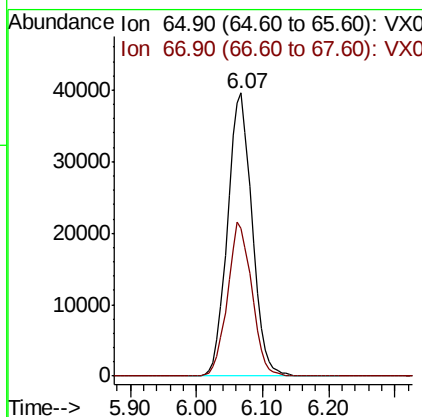
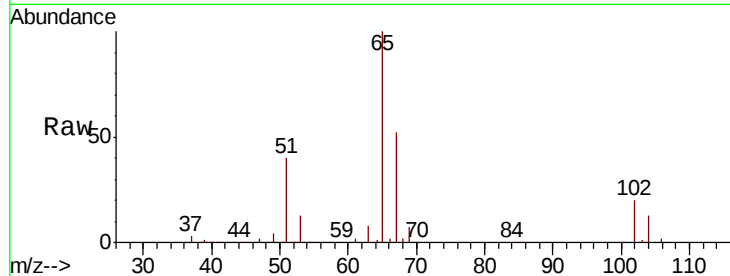




#33
 1,2-Dichloroethane-d4
 Concen: 47.316 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX008747.D
 Acq: 08 Apr 2019 16:01

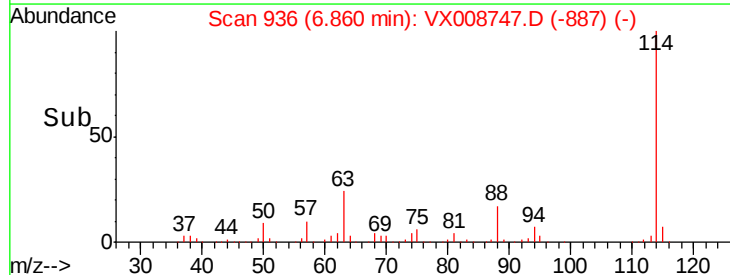
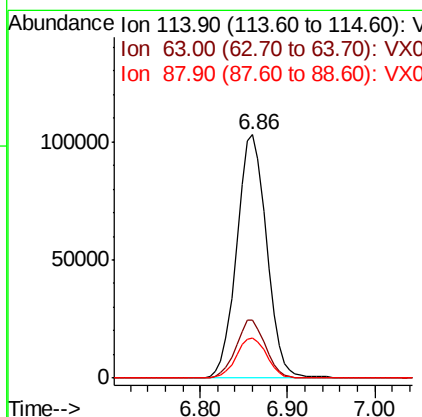
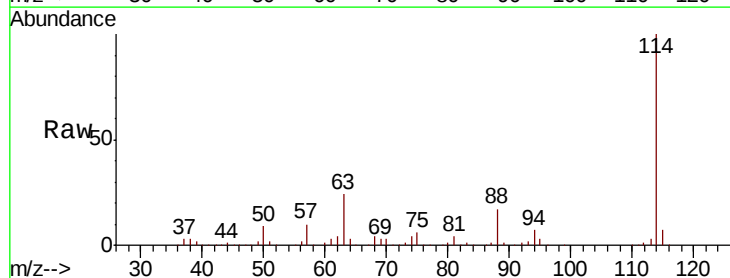
Instrument :
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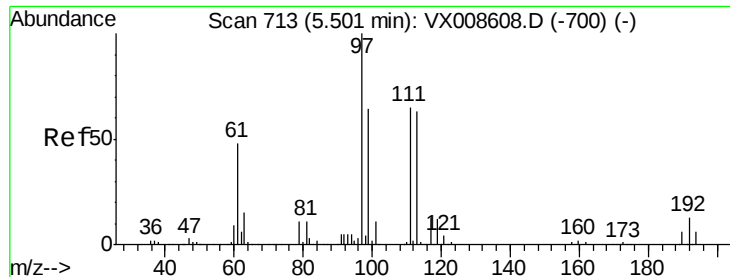
Tot Ion: 65 Resp: 102019
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008747.D
 Acq: 08 Apr 2019 16:01

Tgt Ion: 114 Resp: 245415
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 47.2
 88 16.7 0.0 34.0

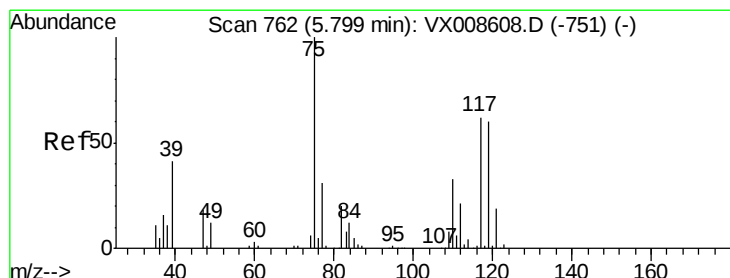
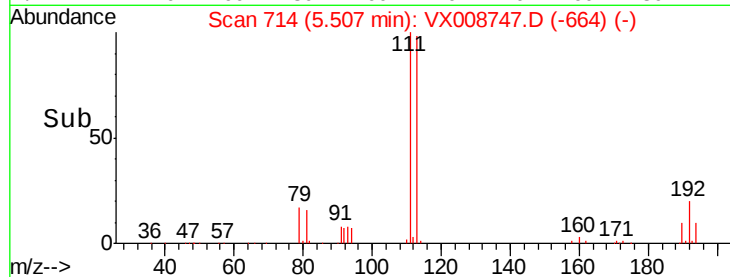
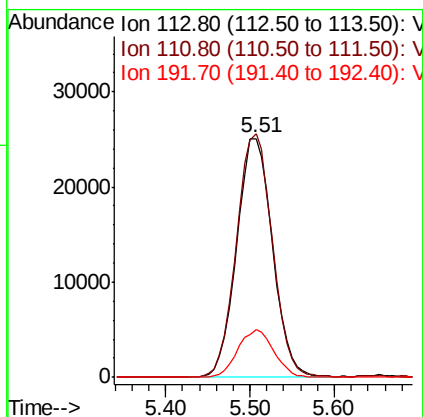
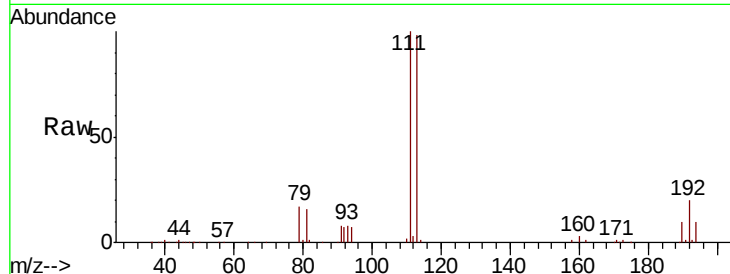




#35
 Dibromofluoromethane
 Concen: 46.057 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX008747.D
 Acq: 08 Apr 2019 16:01

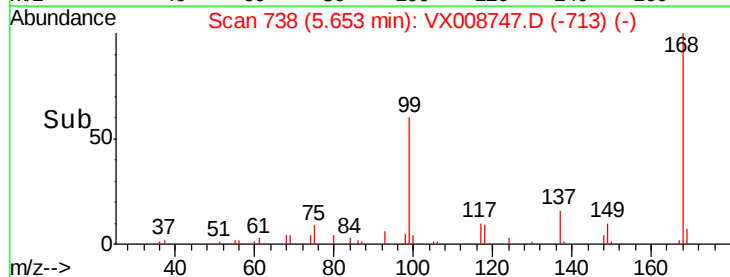
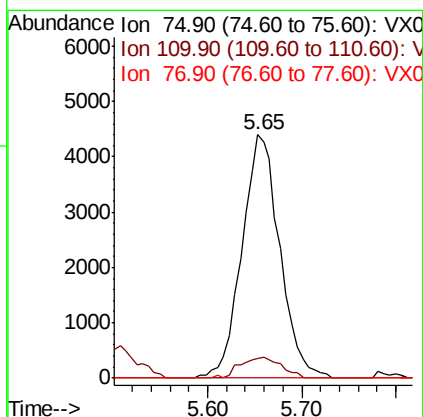
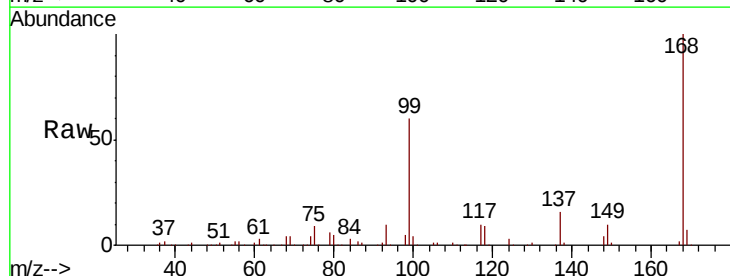
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-004-IDWSO-20190404

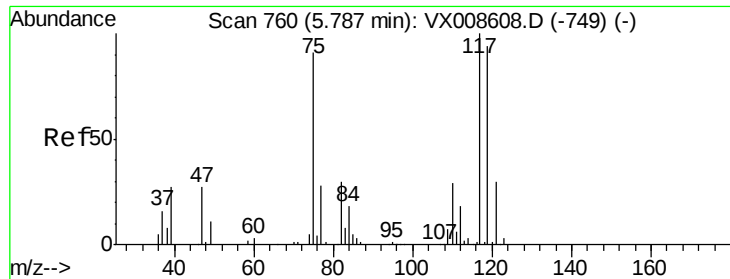
Tot Ion:113 Resp: 72268
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.4 125.2
 192 20.2 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.607 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX008747.D
 Acq: 08 Apr 2019 16:01

Tgt Ion: 75 Resp: 12360
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.4 49.2#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.379 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX008747.D

Acq: 08 Apr 2019 16:01

Instrument :

MSVOA_X

ClientSampleId :

TT-004-IDWSO-20190404

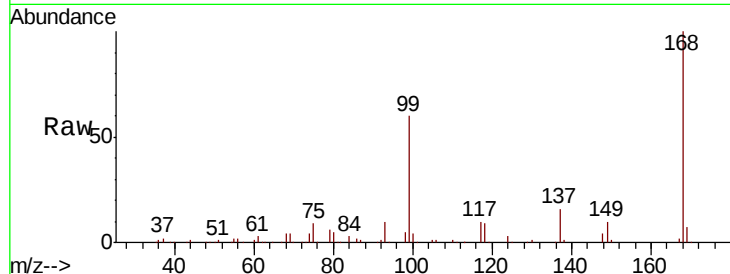
Tot Ion:117 Resp: 14163

Ion Ratio Lower Upper

117 100

119 4.9 75.0 112.6#

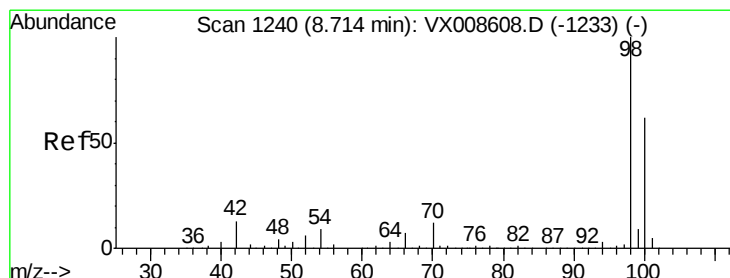
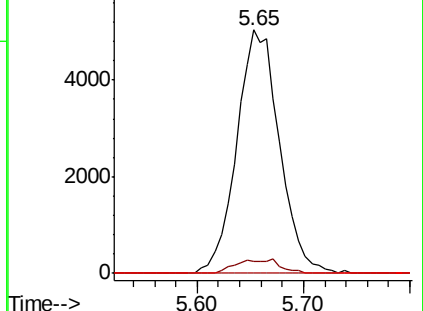
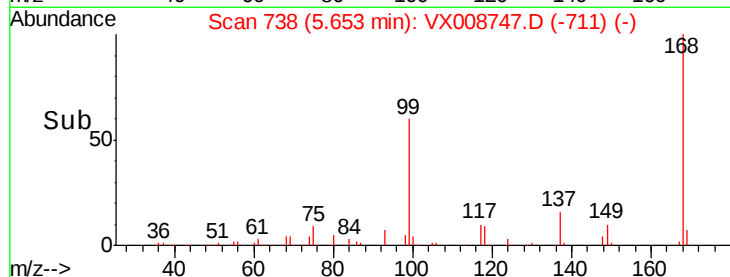
121 0.0 24.3 36.5#



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: 49.601 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008747.D

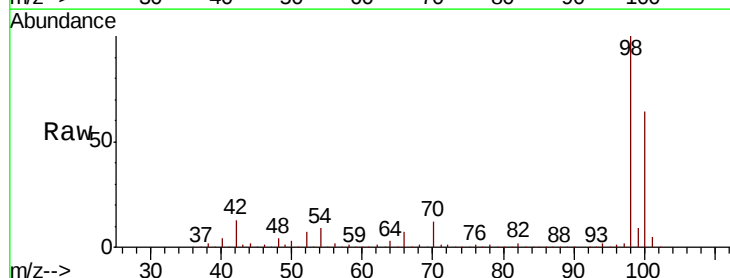
Acq: 08 Apr 2019 16:01

Tgt Ion: 98 Resp: 309891

Ion Ratio Lower Upper

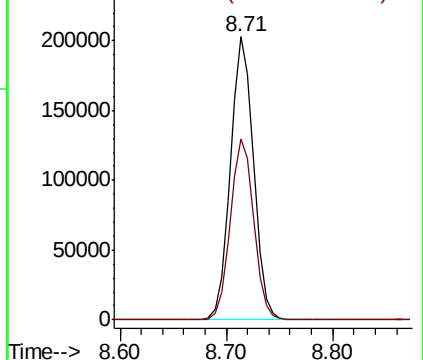
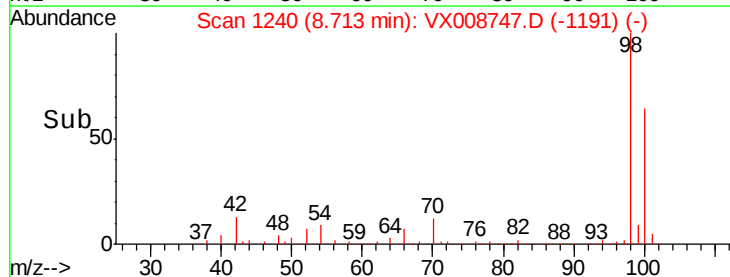
98 100

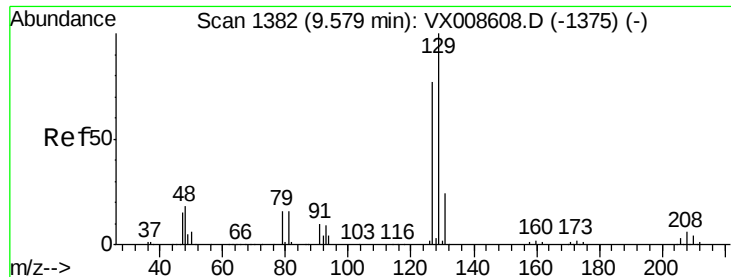
100 64.7 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 0.276 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008747.D

Acq: 08 Apr 2019 16:01

Instrument :

MSVOA_X

ClientSampleId :

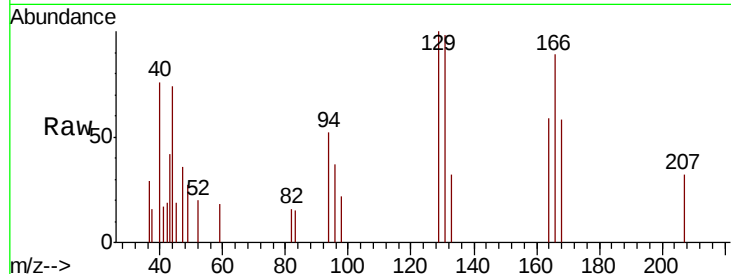
TT-004-IDWSO-20190404

Tot Ion:129 Resp: 491

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

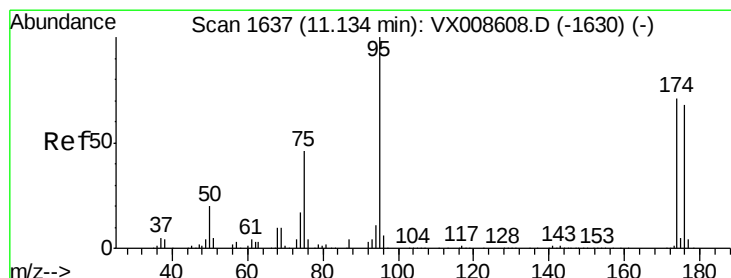
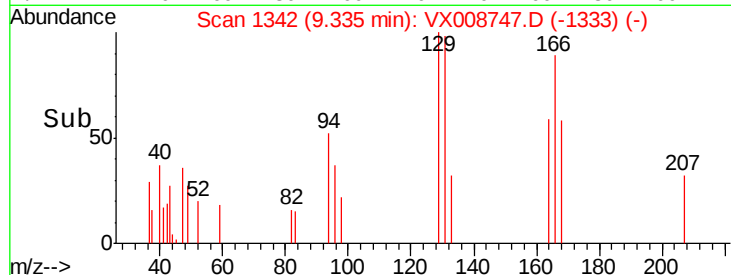
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.524 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX008747.D

Acq: 08 Apr 2019 16:01

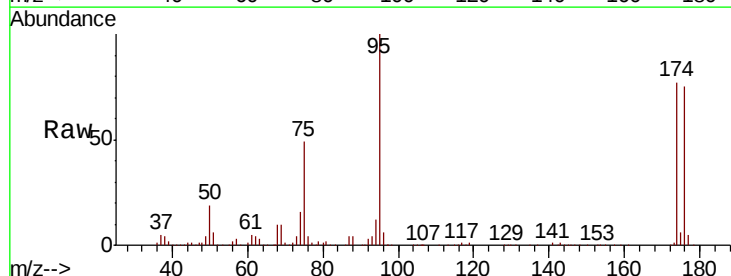
Tgt Ion: 95 Resp: 111938

Ion Ratio Lower Upper

95 100

174 76.5 0.0 151.8

176 74.2 0.0 145.8



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

120000

100000

80000

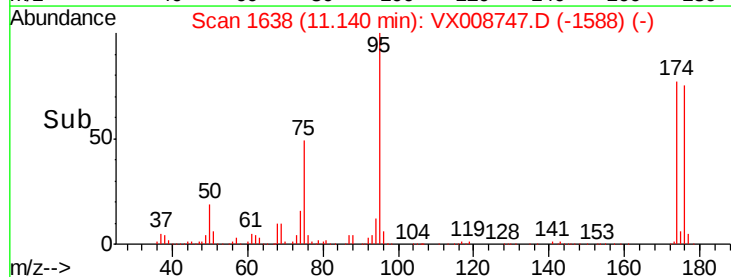
60000

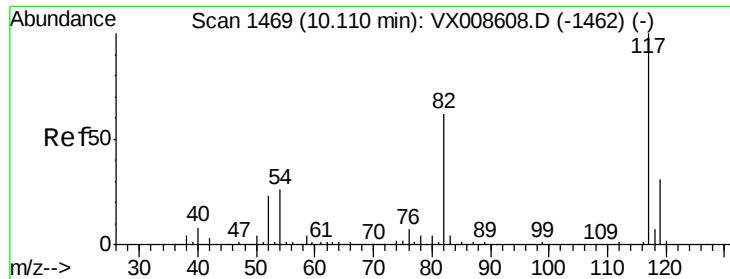
40000

20000

0

Time-->

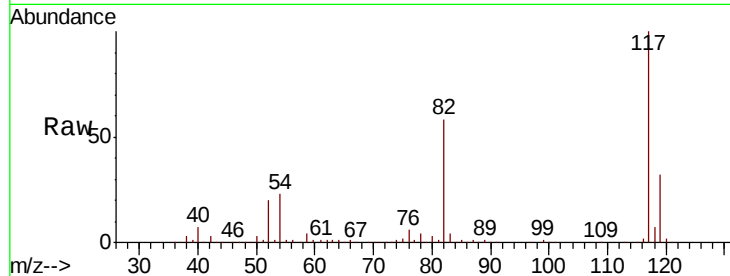




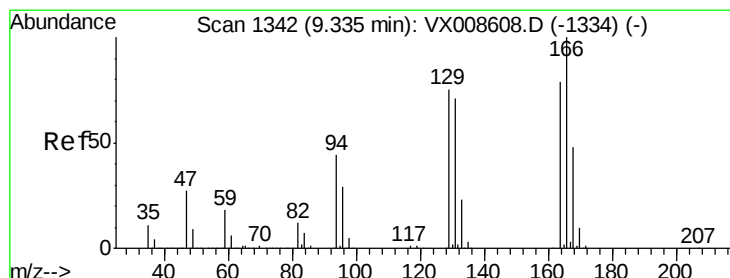
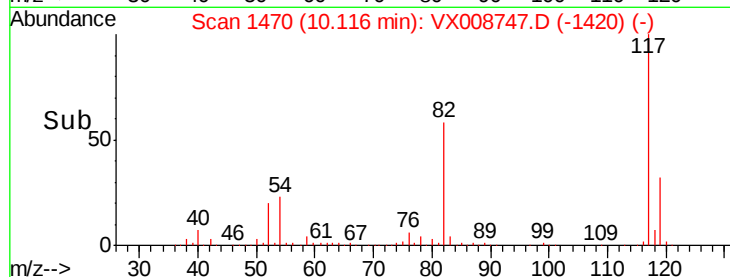
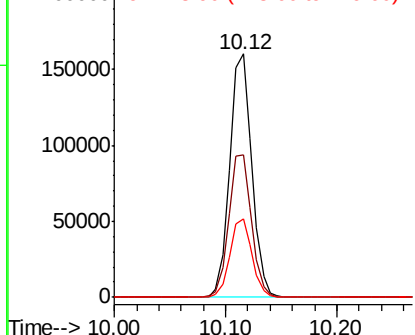
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008747.D
Acq: 08 Apr 2019 16:01

Instrument :
MSVOA_X
ClientSampleId :
TT-004-IDWSO-20190404

Tot Ion:117 Resp: 219606
Ion Ratio Lower Upper
117 100
82 58.3 49.6 74.4
119 32.1 25.0 37.4

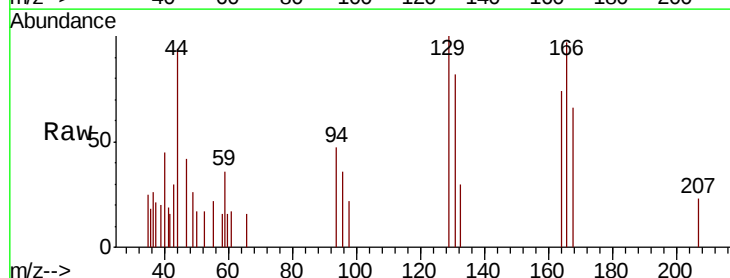


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

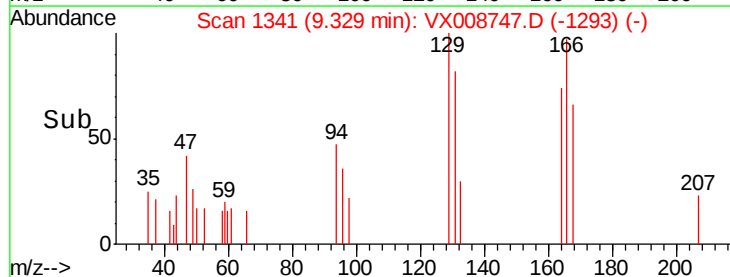
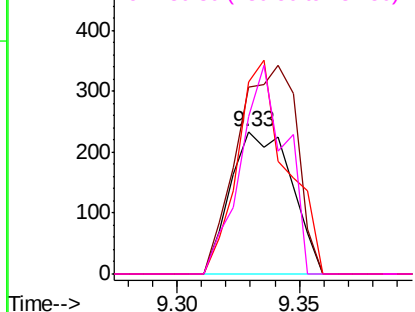


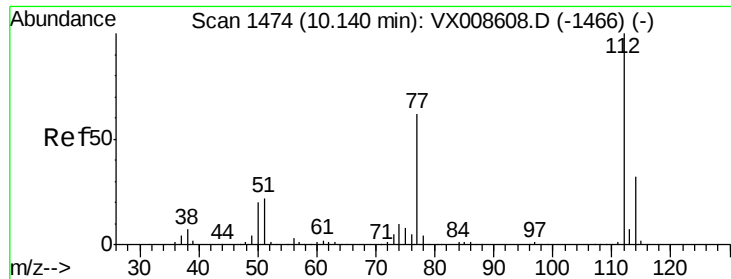
#64
Tetrachloroethene
Concen: 0.250 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX008747.D
Acq: 08 Apr 2019 16:01

Tgt Ion:164 Resp: 406
Ion Ratio Lower Upper
164 100
166 131.6 101.0 151.6
129 135.0 75.8 113.8#
131 110.7 71.8 107.8#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 0.264 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX008747.D

Acq: 08 Apr 2019 16:01

Instrument :

MSVOA_X

ClientSampleId :

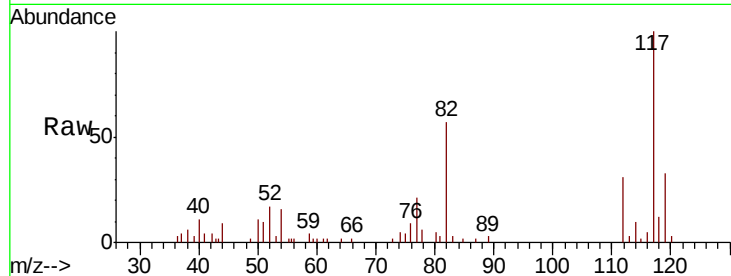
TT-004-IDWSO-20190404

Tot Ion:112 Resp: 1284

Ion Ratio Lower Upper

112 100

114 32.2 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

1000

800

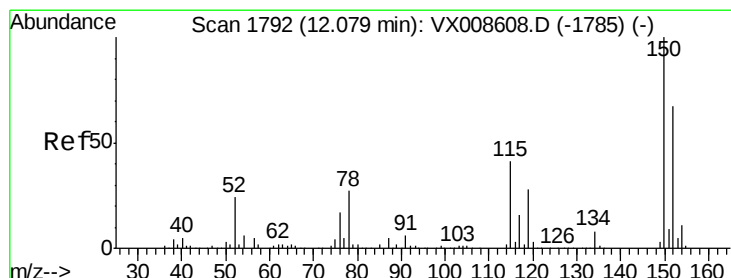
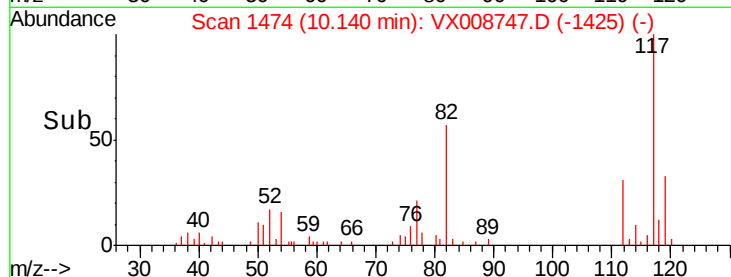
600

400

200

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008747.D

Acq: 08 Apr 2019 16:01

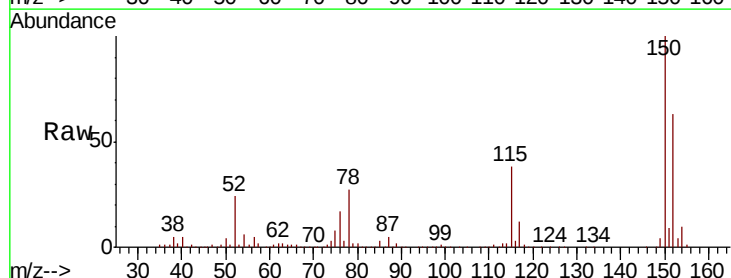
Tgt Ion:152 Resp: 103899

Ion Ratio Lower Upper

152 100

115 59.8 43.5 130.5

150 156.5 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

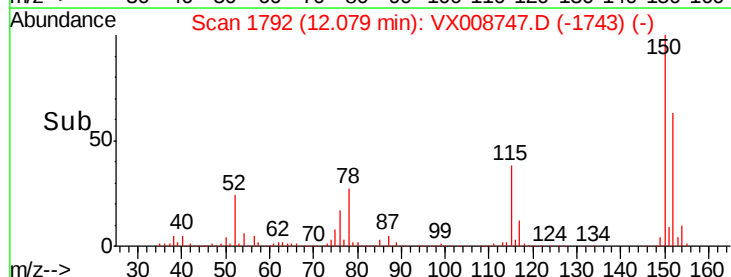
150000

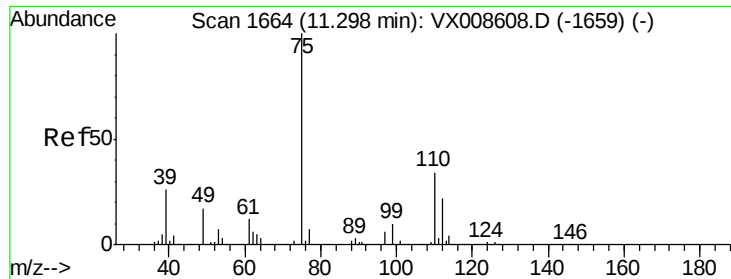
100000

50000

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 19.843 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX008747.D

Acq: 08 Apr 2019 16:01

Instrument :

MSVOA_X

ClientSampleId :

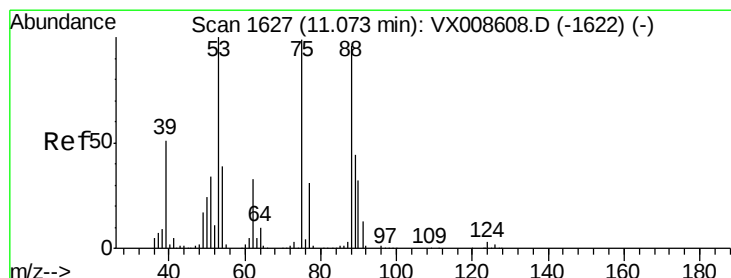
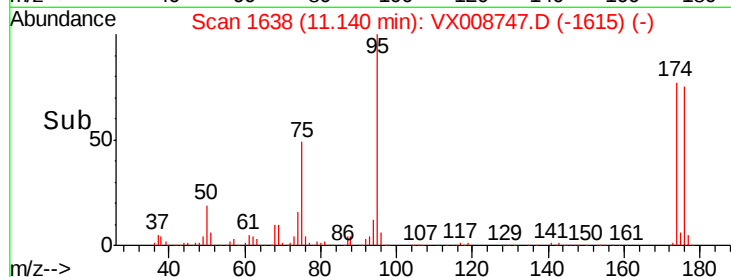
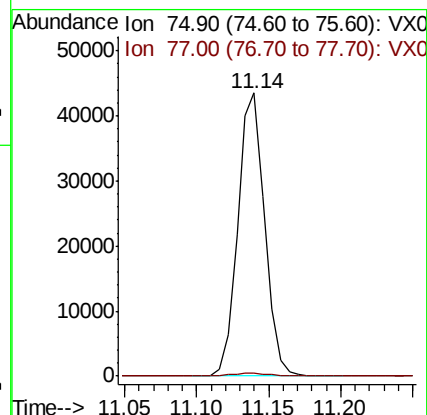
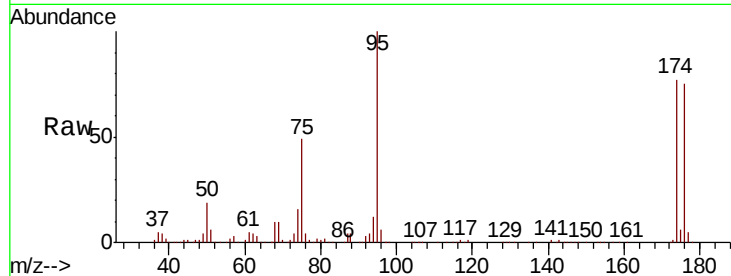
TT-004-IDWSO-20190404

Tot Ion: 75 Resp: 56635

Ion Ratio Lower Upper

75 100

77 1.4 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.697 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX008747.D

Acq: 08 Apr 2019 16:01

Tgt Ion: 75 Resp: 56635

Ion Ratio Lower Upper

75 100

53 0.2 81.3 121.9#

89 0.0 35.6 53.4#

