

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040819\
 Data File : VX008746.D
 Acq On : 08 Apr 2019 15:37
 Operator : JC/SP
 Sample : K2306-01
 Misc : 4.86µ/5mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-003-IDWSO-20190404

Quant Time: Apr 09 06:45:14 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	144224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	239983	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	207120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	93758	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	98493	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	
35) Dibromofluoromethane	5.50	113	70151	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	
50) Toluene-d8	8.71	98	299761	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
62) 4-Bromofluorobenzene	11.14	95	105046	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	

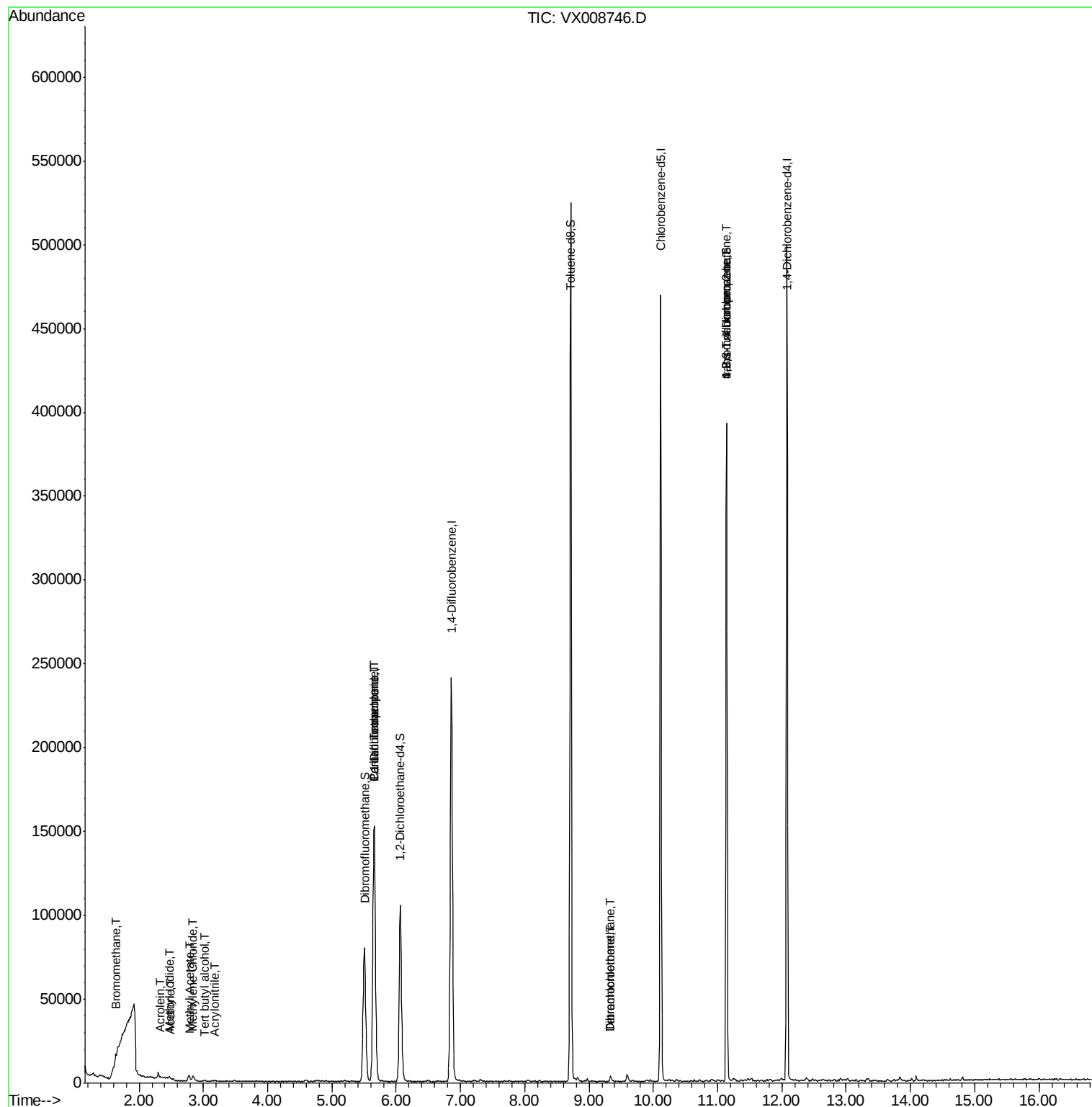
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	423	Below Cal	#	80
5) Bromomethane	1.64	94	1190	2.921	ug/l	99
6) Chloroethane	1.69	64	178	Below Cal		89
10) Methyl Iodide	2.48	142	734	4.467	ug/l	92
11) Tert butyl alcohol	3.02	59	219	0.445	ug/l #	72
13) Acrolein	2.33	56	338	1.384	ug/l #	52
15) Acrylonitrile	3.18	53	593	0.455	ug/l #	72
16) Acetone	2.50	43	677	0.559	ug/l #	88
17) Carbon Disulfide	2.52	76	890	Below Cal	#	91
18) Methyl Acetate	2.79	43	2504	0.852	ug/l #	80
20) Methylene Chloride	2.84	84	1355	0.668	ug/l #	89
28) Bromochloromethane	5.03	49	147	Below Cal	#	22
36) 1,1-Dichloropropene	5.66	75	12019	4.582	ug/l #	51
38) Carbon Tetrachloride	5.66	117	13960	6.430	ug/l #	16
60) Dibromochloromethane	9.34	129	593	0.340	ug/l #	11
64) Tetrachloroethene	9.34	164	630	0.411	ug/l #	80
76) 1,2,3-Trichloropropane	11.14	75	53303	20.695	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	53303	57.047	ug/l #	9

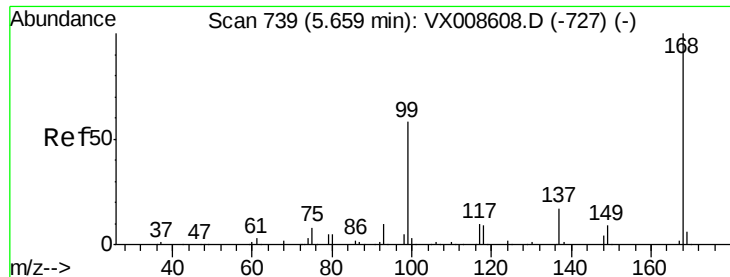
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008746.D

Acq: 08 Apr 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

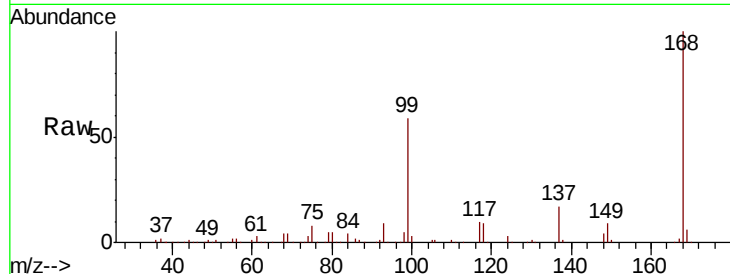
TT-003-IDWSO-20190404

Tot Ion:168 Resp: 144224

Ion Ratio Lower Upper

168 100

99 58.5 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

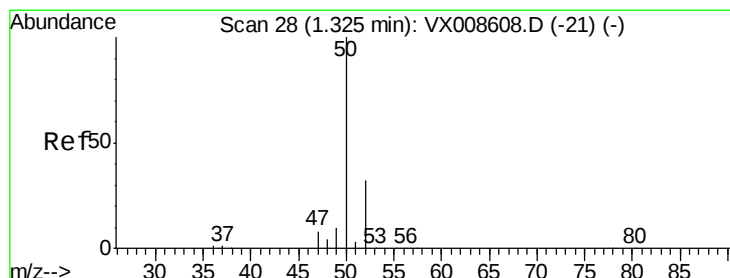
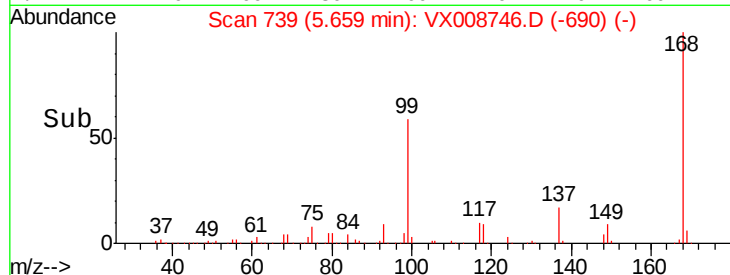
20000

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: VX008746.D

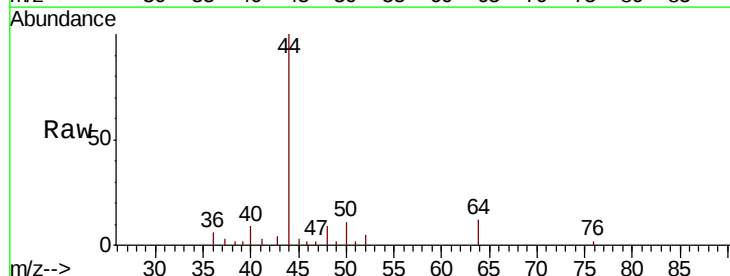
Acq: 08 Apr 2019 15:37

Tgt Ion: 50 Resp: 423

Ion Ratio Lower Upper

50 100

52 43.3 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

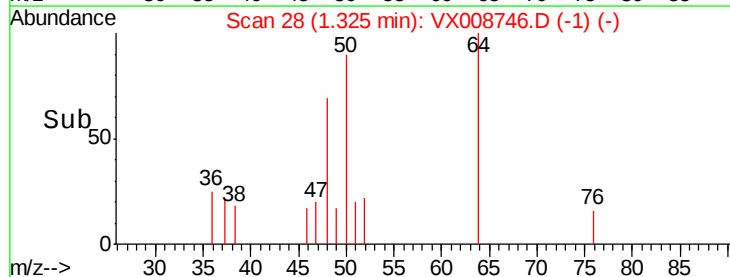
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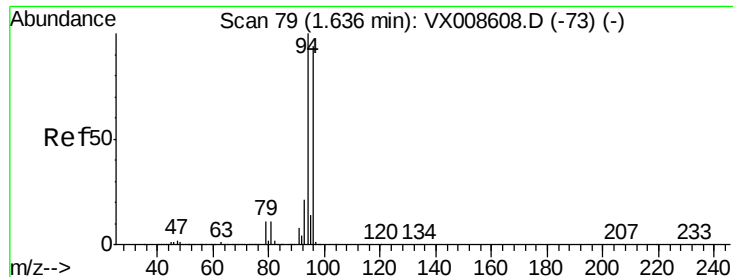
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 2.921 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008746.D

Acq: 08 Apr 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

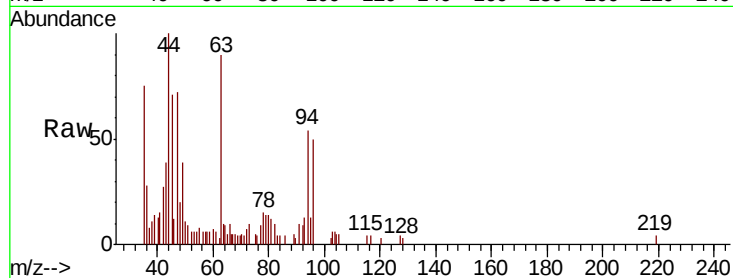
TT-003-IDWSO-20190404

Tot Ion: 94 Resp: 1190

Ion Ratio Lower Upper

94 100

96 93.5 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

600

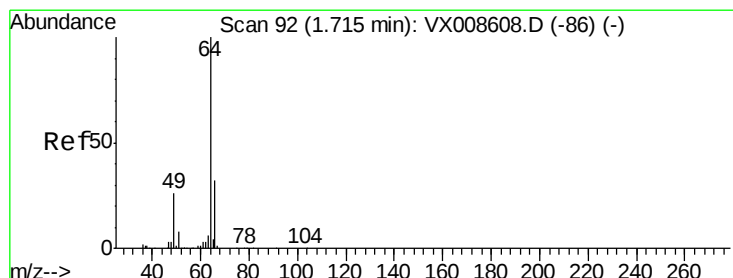
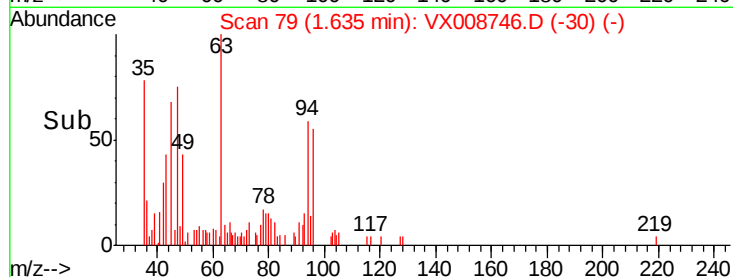
400

200

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX008746.D

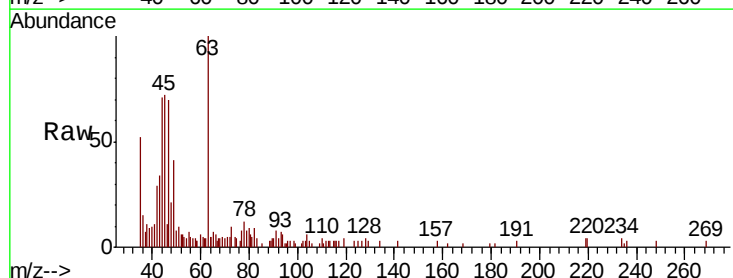
Acq: 08 Apr 2019 15:37

Tgt Ion: 64 Resp: 178

Ion Ratio Lower Upper

64 100

66 37.6 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

300

250

200

150

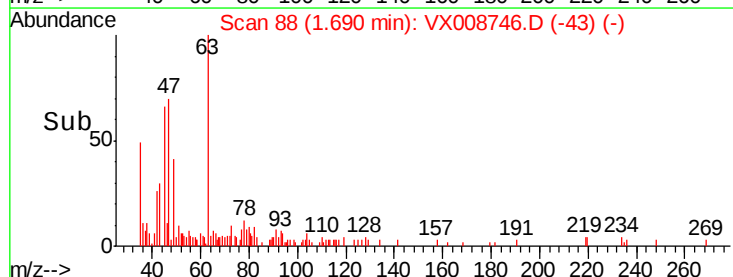
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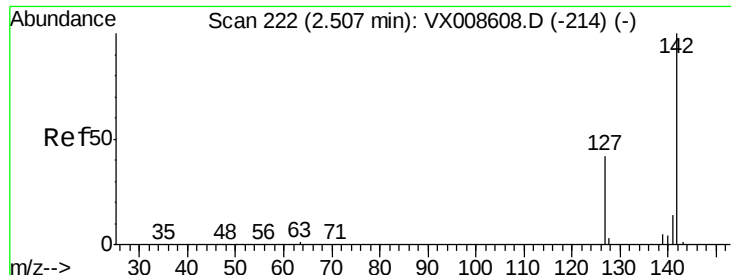
50

0

1.66 1.68 1.70 1.72

Time-->

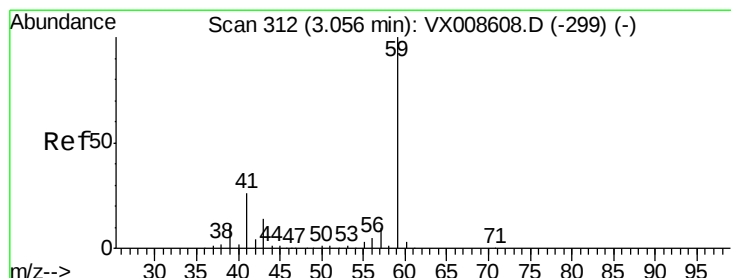
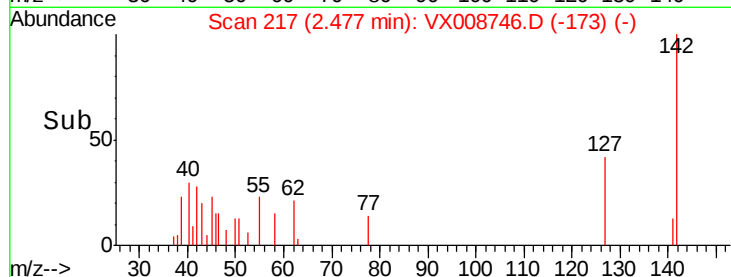
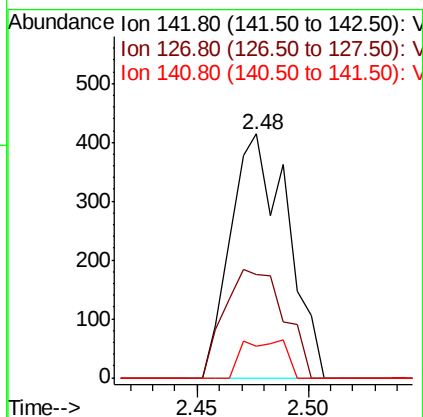
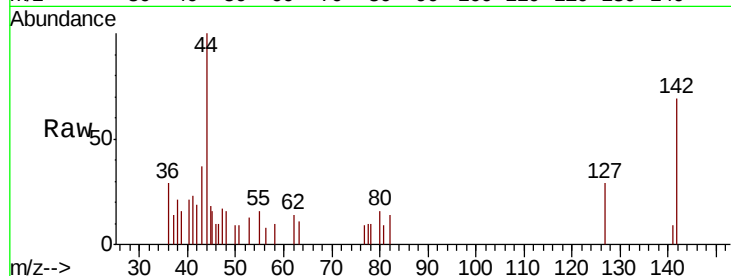




#10
Methvl Iodide
Concen: 4.467 ug/l
RT: 2.48 min Scan# 217
Delta R.T. -0.03 min
Lab File: VX008746.D
Acq: 08 Apr 2019 15:37

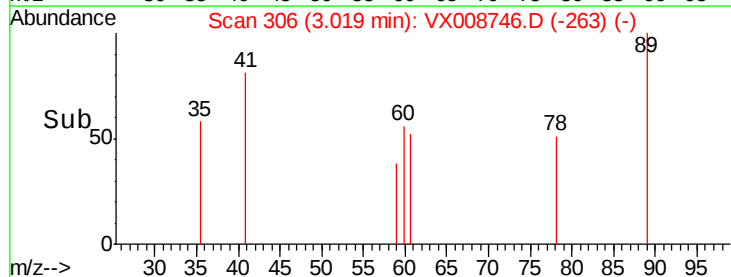
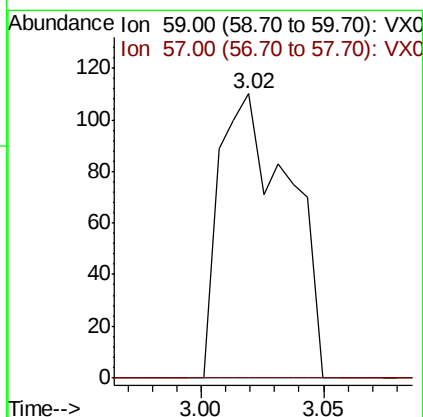
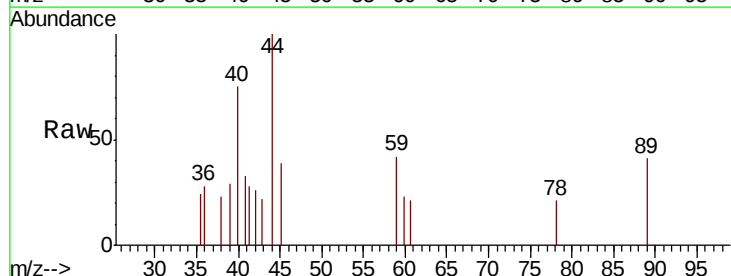
Instrument :
MSVOA_X
ClientSampleId :
TT-003-IDWSO-20190404

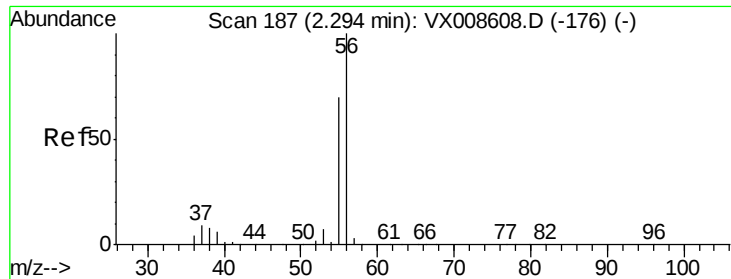
Tot Ion:142 Resp: 734
Ion Ratio Lower Upper
142 100
127 46.5 33.0 49.6
141 11.9 11.4 17.2



#11
Tert butyl alcohol
Concen: 0.445 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.04 min
Lab File: VX008746.D
Acq: 08 Apr 2019 15:37

Tgt Ion: 59 Resp: 219
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

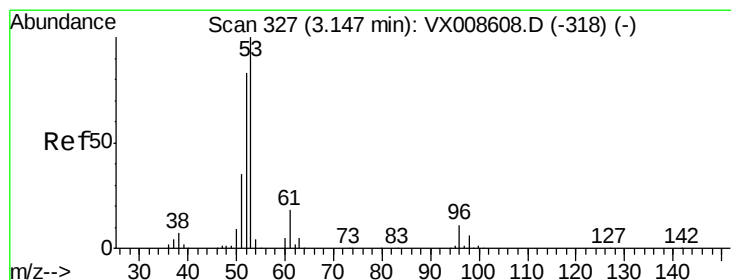
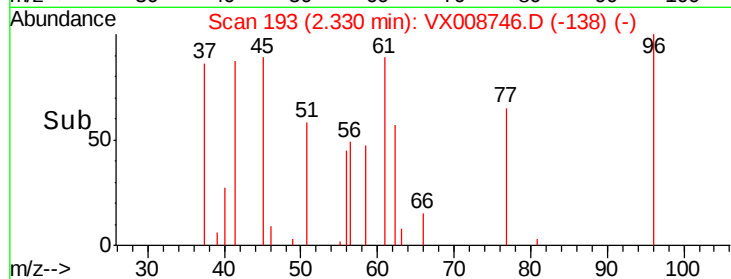
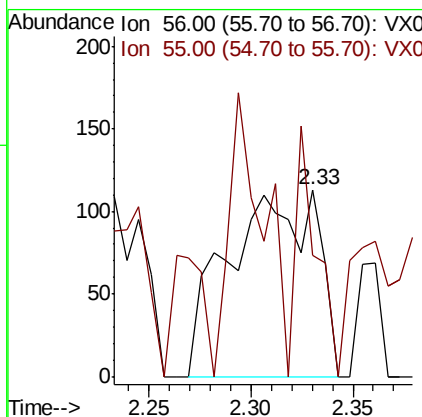
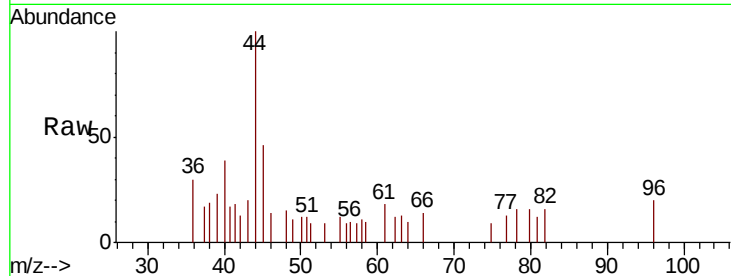




#13
Acrolein
Concen: 1.384 ug/l
RT: 2.33 min Scan# 193
Delta R.T. 0.04 min
Lab File: VX008746.D
Acq: 08 Apr 2019 15:37

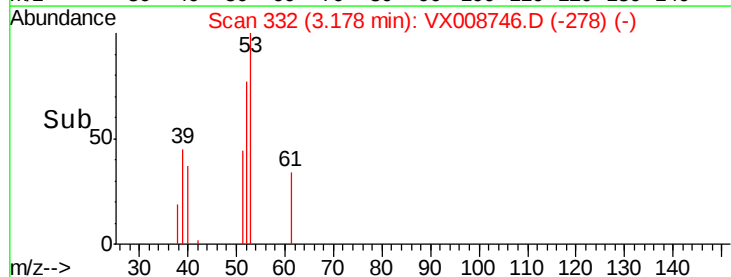
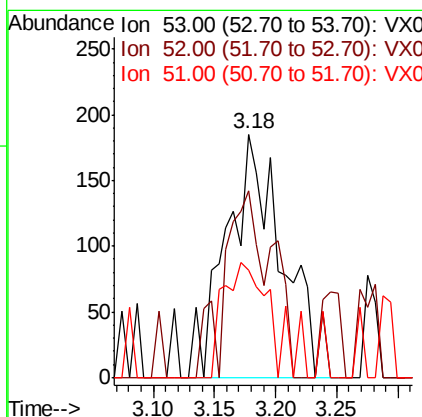
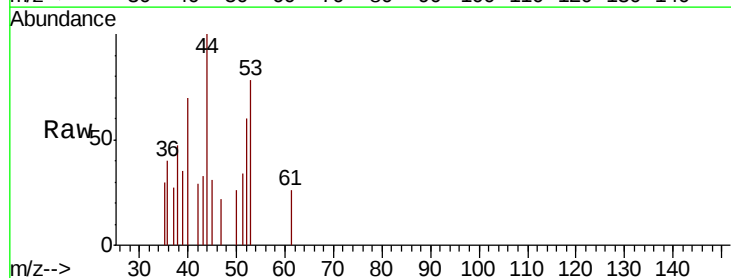
Instrument :
MSVOA_X
ClientSampleId :
TT-003-IDWSO-20190404

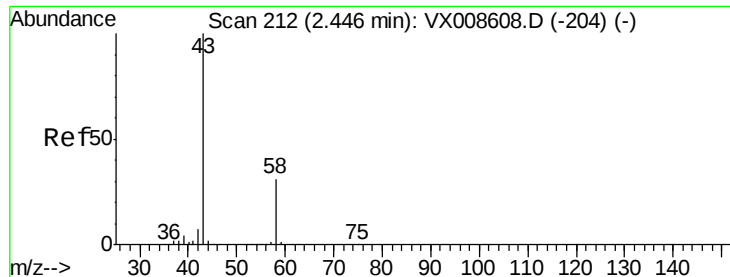
Tot Ion: 56 Resp: 338
Ion Ratio Lower Upper
56 100
55 32.0 58.0 87.0#



#15
Acrylonitrile
Concen: 0.455 ug/l
RT: 3.18 min Scan# 332
Delta R.T. 0.03 min
Lab File: VX008746.D
Acq: 08 Apr 2019 15:37

Tgt Ion: 53 Resp: 593
Ion Ratio Lower Upper
53 100
52 47.2 66.5 99.7#
51 35.2 28.6 42.8





#16

Acetone

Concen: 0.559 ug/l

RT: 2.50 min Scan# 220

Delta R.T. 0.05 min

Lab File: VX008746.D

Acq: 08 Apr 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

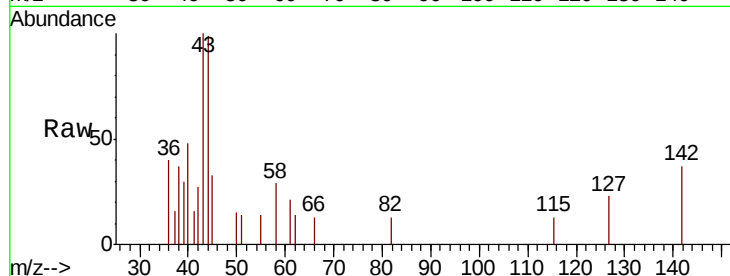
TT-003-IDWSO-20190404

Tot Ion: 43 Resp: 677

Ion Ratio Lower Upper

43 100

58 37.6 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.50

400

300

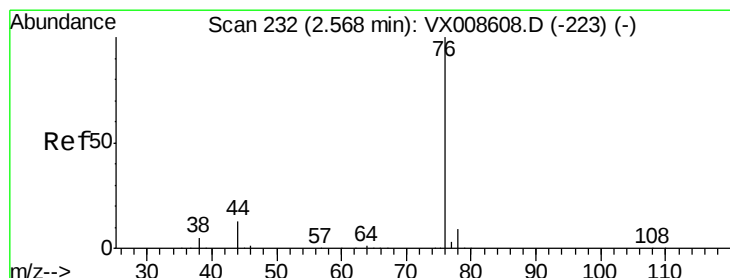
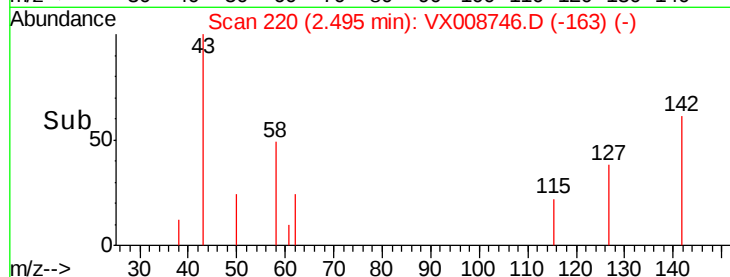
200

100

0

2.40 2.45 2.50 2.55

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.52 min Scan# 224

Delta R.T. -0.05 min

Lab File: VX008746.D

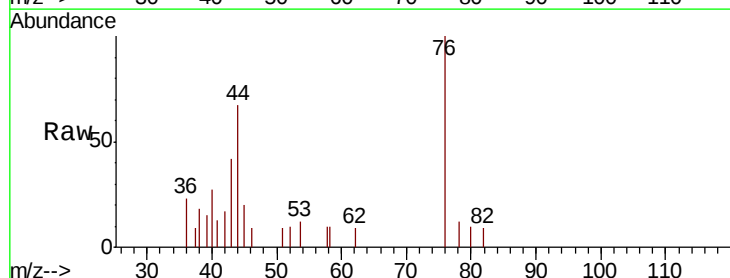
Acq: 08 Apr 2019 15:37

Tgt Ion: 76 Resp: 890

Ion Ratio Lower Upper

76 100

78 12.3 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.52

600

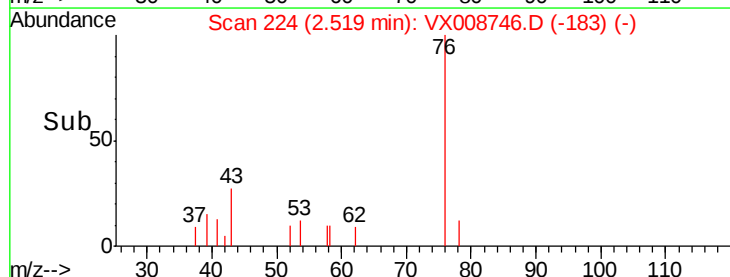
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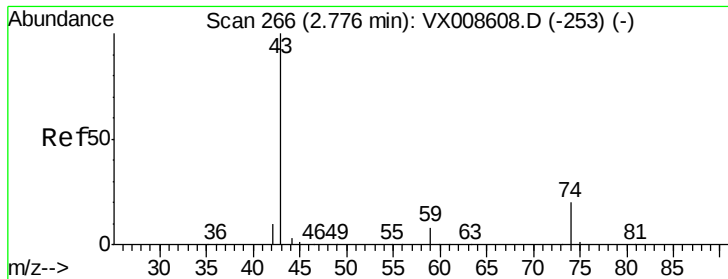
200

0

2.50 2.55

Time-->

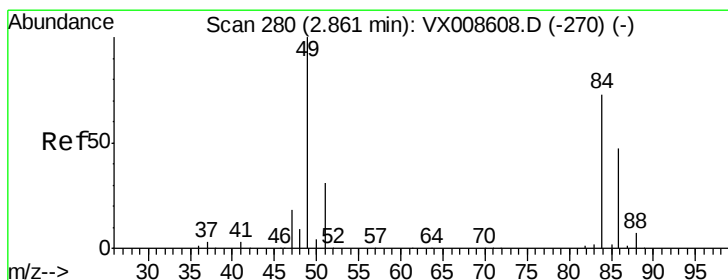
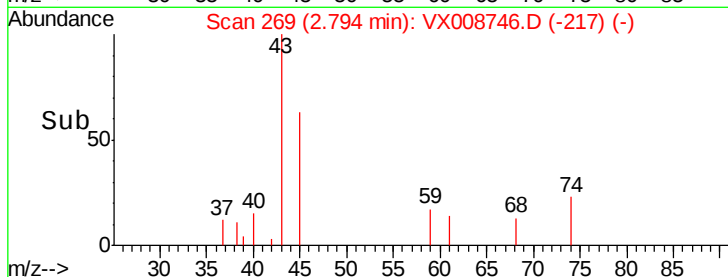
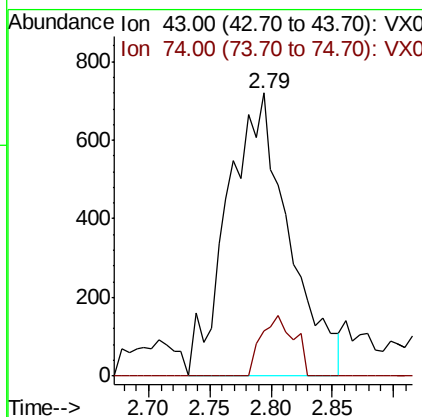
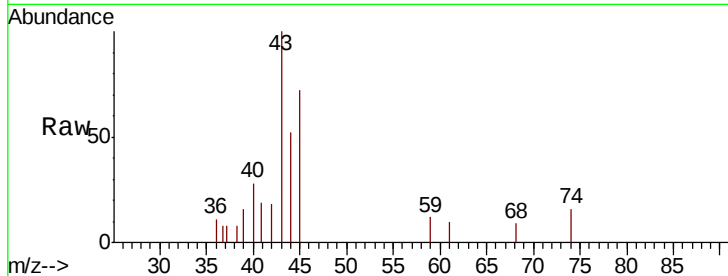




#18
Methvl Acetate
Concen: 0.852 ug/l
RT: 2.79 min Scan# 269
Delta R.T. 0.02 min
Lab File: VX008746.D
Acq: 08 Apr 2019 15:37

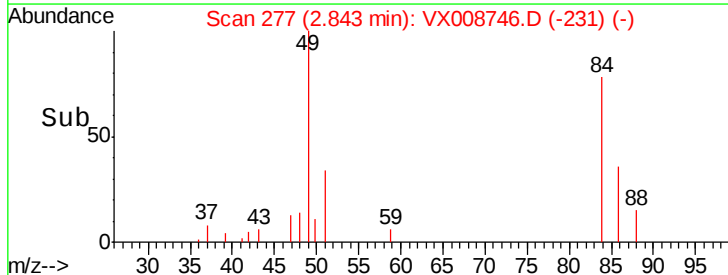
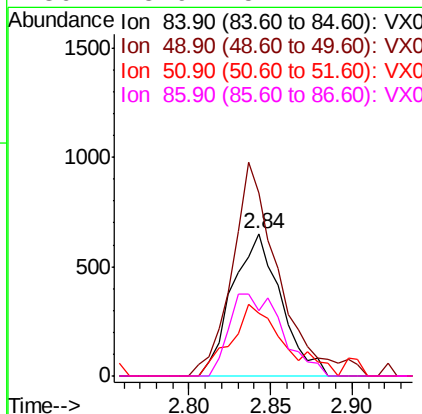
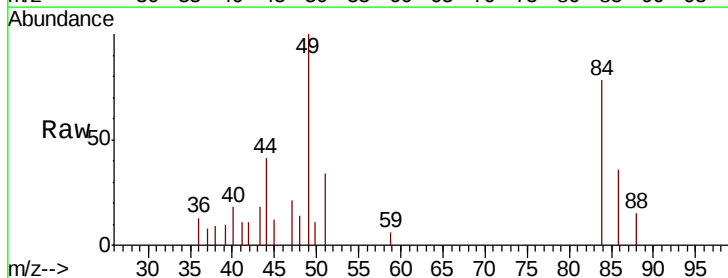
Instrument :
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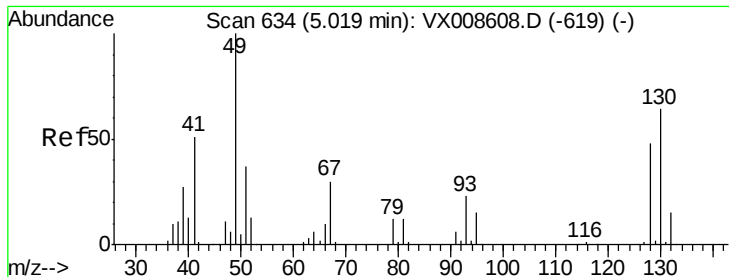
Tot Ion: 43 Resp: 2504
Ion Ratio Lower Upper
43 100
74 11.5 16.5 24.7#



#20
Methylene Chloride
Concen: 0.668 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.02 min
Lab File: VX008746.D
Acq: 08 Apr 2019 15:37

Tgt Ion: 84 Resp: 1355
Ion Ratio Lower Upper
84 100
49 128.9 109.7 164.5
51 44.1 33.6 50.4
86 45.9 51.4 77.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX008746.D

Acq: 08 Apr 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
TT-003-IDWSO-20190404

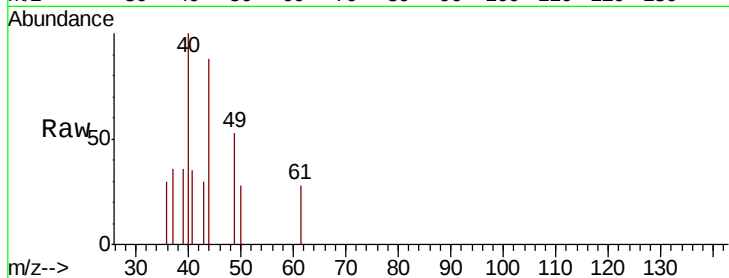
Tot Ion: 49 Resp: 147

Ion Ratio Lower Upper

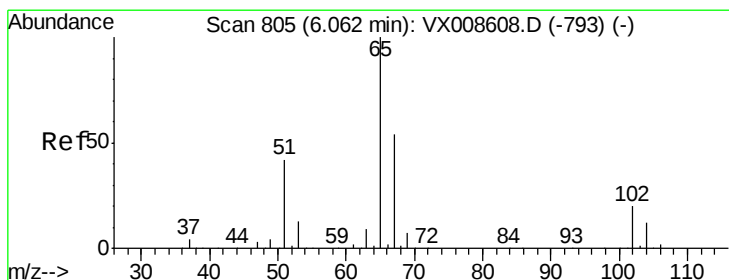
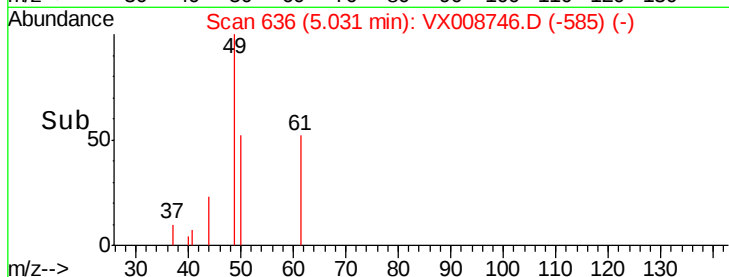
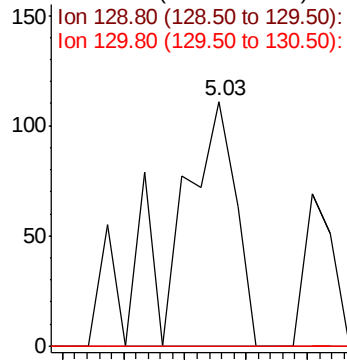
49 100

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



#33

1,2-Dichloroethane-d4

Concen: 46.821 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008746.D

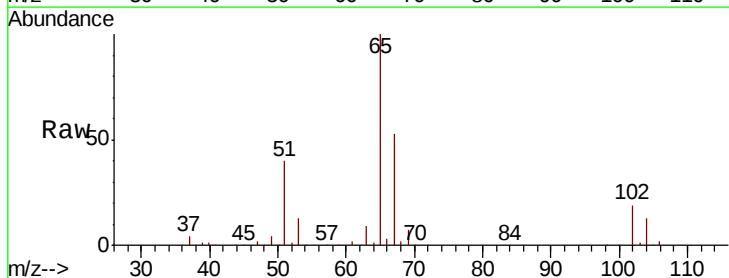
Acq: 08 Apr 2019 15:37

Tgt Ion: 65 Resp: 98493

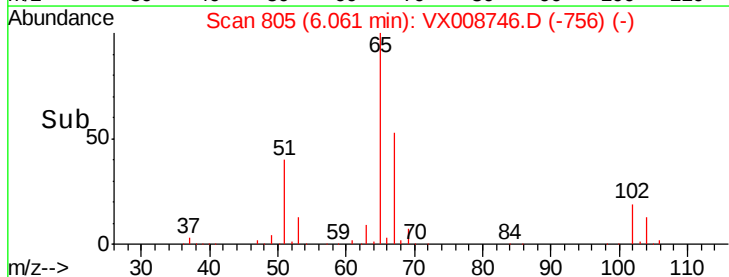
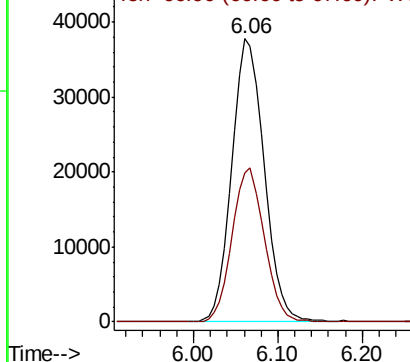
Ion Ratio Lower Upper

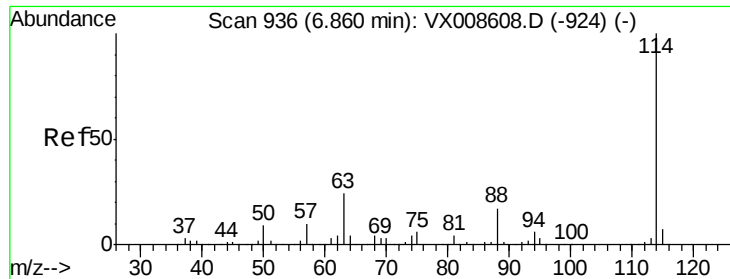
65 100

67 54.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

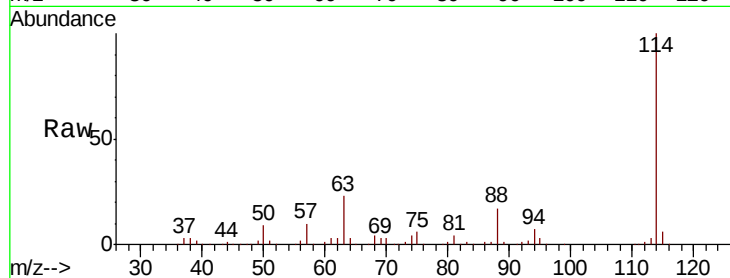




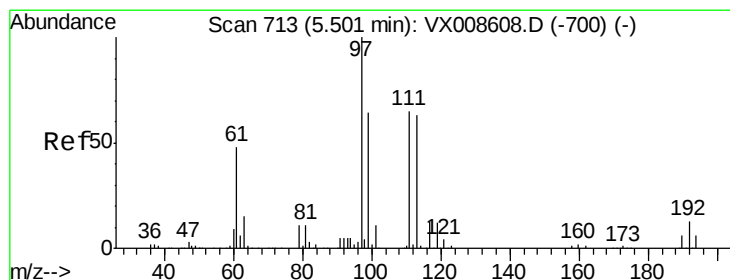
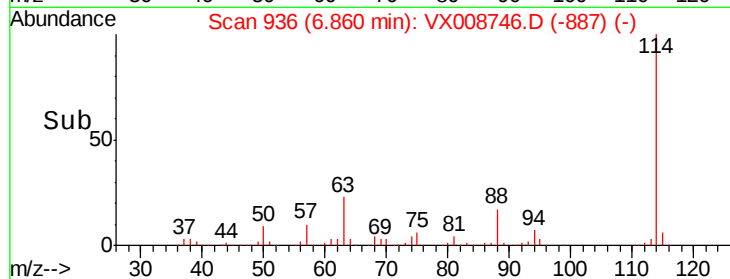
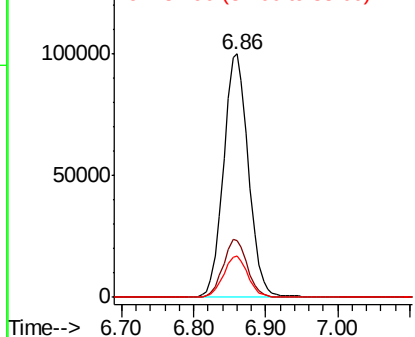
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008746.D
 Acq: 08 Apr 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-003-IDWSO-20190404

Tot Ion:114 Resp: 239983
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 47.2
 88 16.8 0.0 34.0

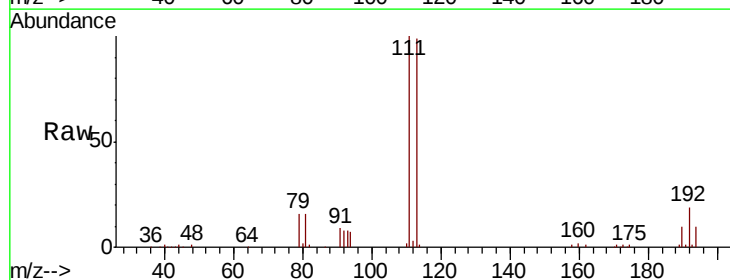


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

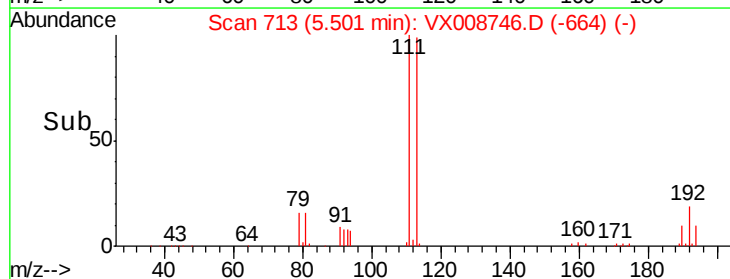
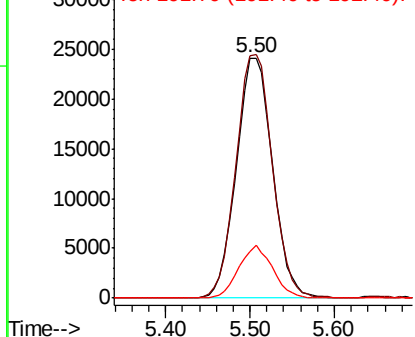


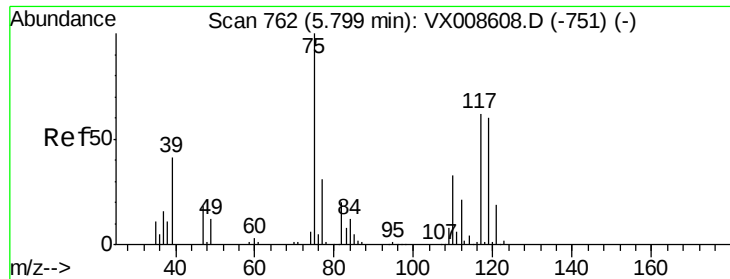
#35
 Dibromofluoromethane
 Concen: 45.720 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008746.D
 Acq: 08 Apr 2019 15:37

Tgt Ion:113 Resp: 70151
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.4 125.2
 192 20.6 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

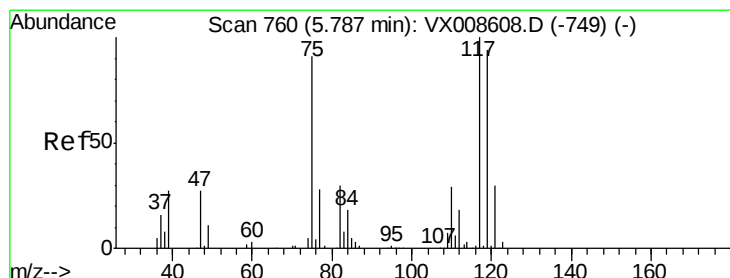
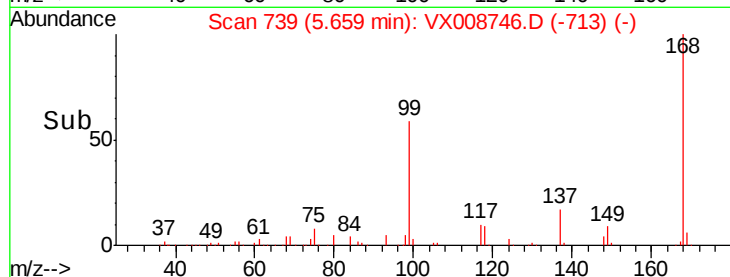
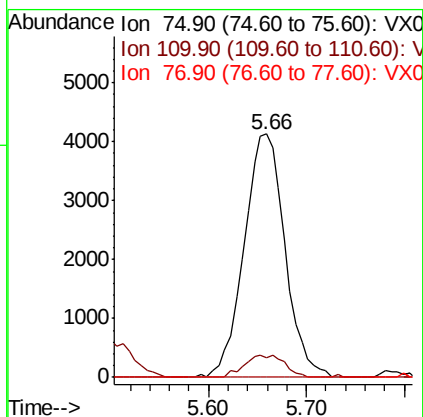
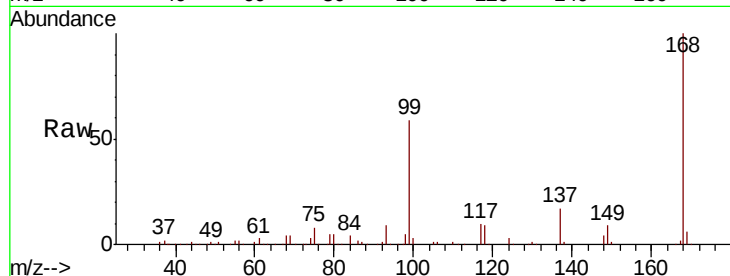




#36
 1,1-Dichloropropene
 Concen: 4.582 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008746.D
 Acq: 08 Apr 2019 15:37

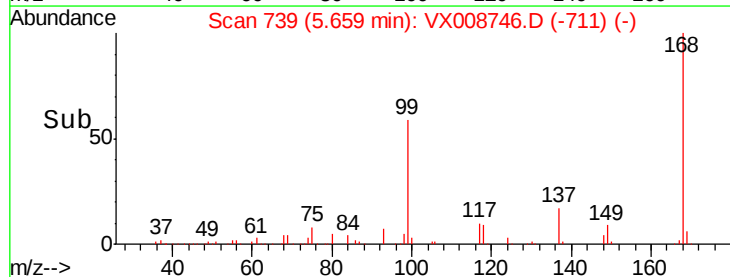
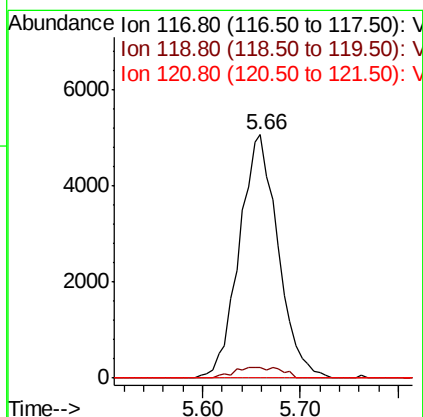
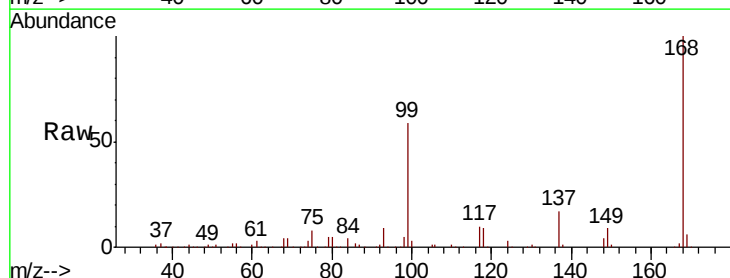
Instrument :
 MSVOA_X
 ClientSampleId :
 TT-003-IDWSO-20190404

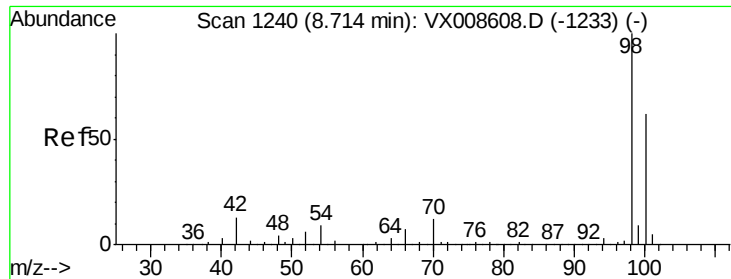
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	16.4	49.2#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.430 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008746.D
 Acq: 08 Apr 2019 15:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	75.0	112.6#
121	0.0	24.3	36.5#





#50

Toluene-d8

Concen: 49.065 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008746.D

Acq: 08 Apr 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

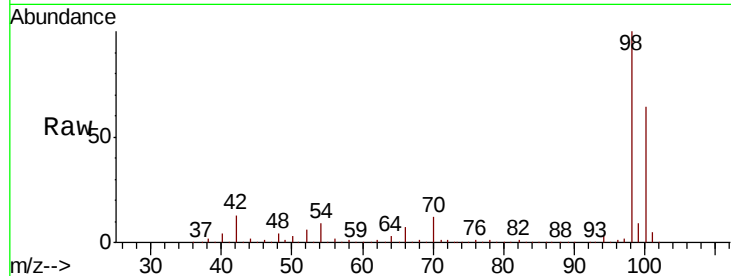
TT-003-IDWSO-20190404

Tot Ion: 98 Resp: 299761

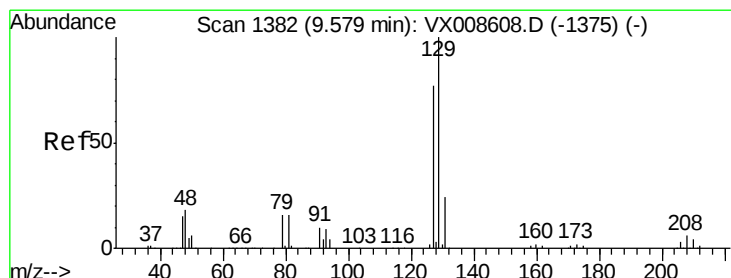
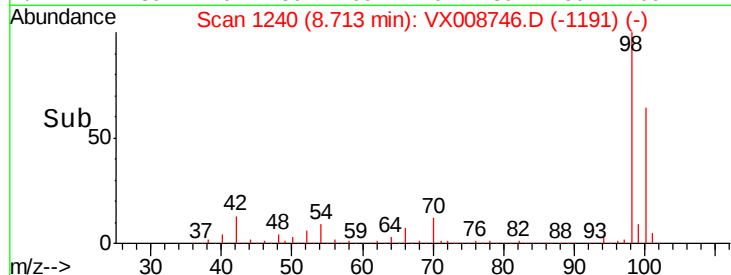
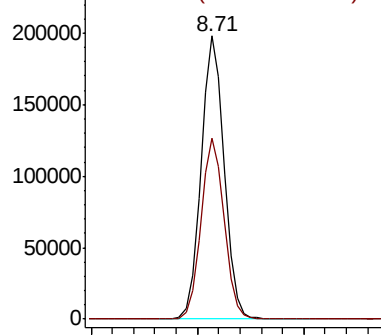
Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX008608.D (-1233) (-)



#60

Dibromochloromethane

Concen: 0.340 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008746.D

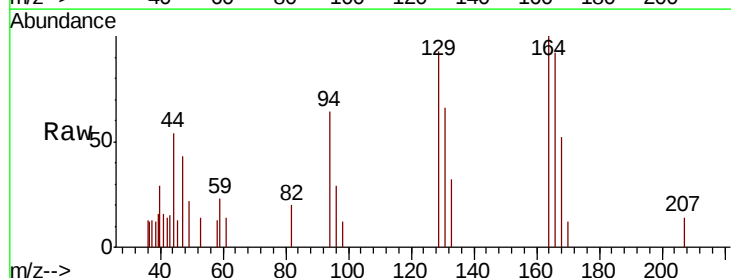
Acq: 08 Apr 2019 15:37

Tgt Ion: 129 Resp: 593

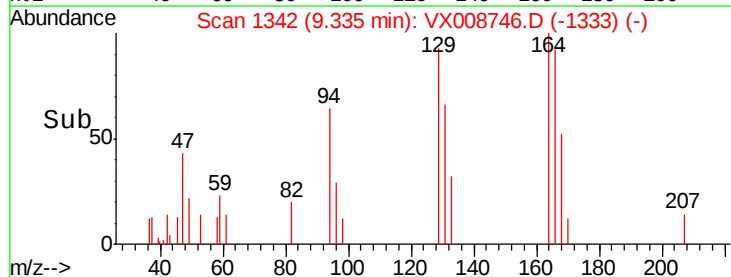
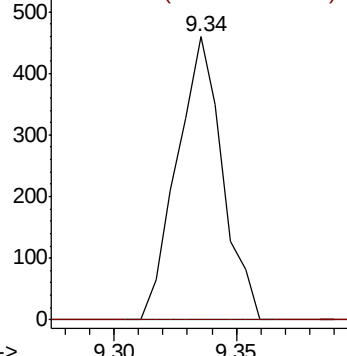
Ion Ratio Lower Upper

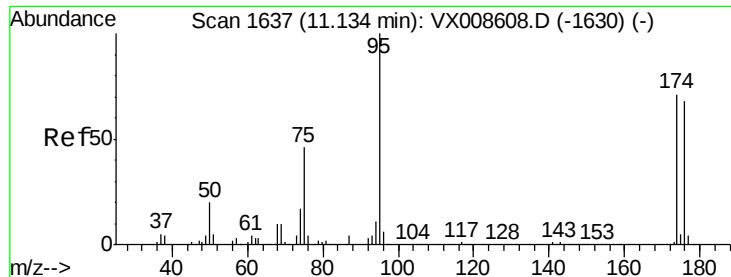
129 100

127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): VX008608.D (-1375) (-)





#62

4-Bromofluorobenzene

Concen: 48.487 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX008746.D

Acq: 08 Apr 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

TT-003-IDWSO-20190404

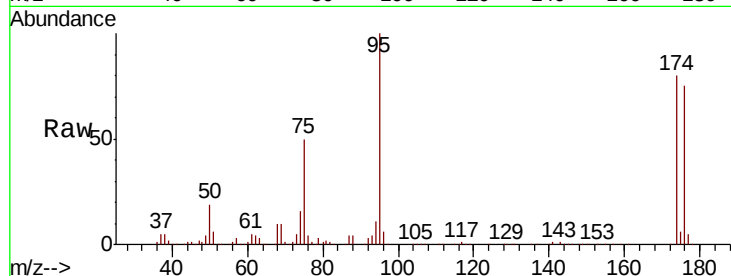
Tot Ion: 95 Resp: 105046

Ion Ratio Lower Upper

95 100

174 76.9 0.0 151.8

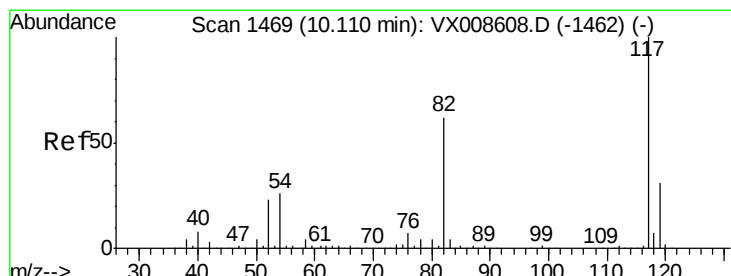
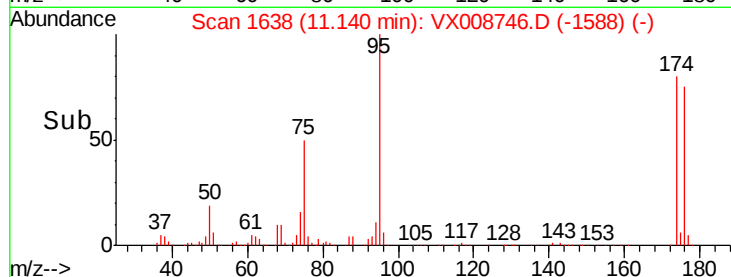
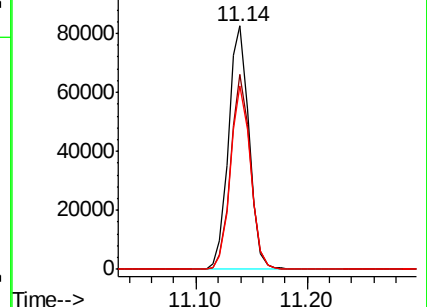
176 73.9 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008608.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008608.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008608.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008746.D

Acq: 08 Apr 2019 15:37

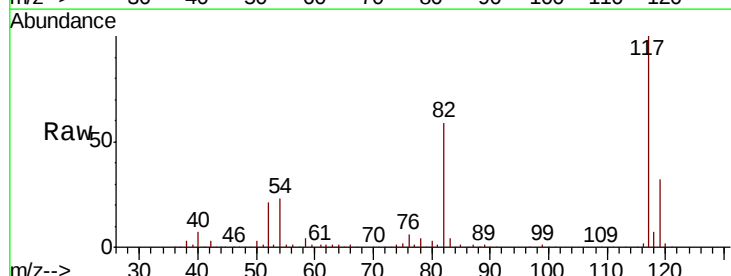
Tgt Ion: 117 Resp: 207120

Ion Ratio Lower Upper

117 100

82 59.4 49.6 74.4

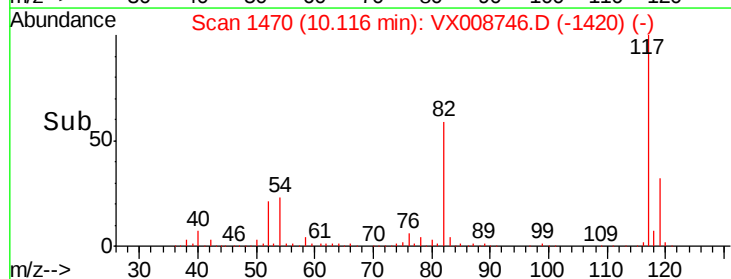
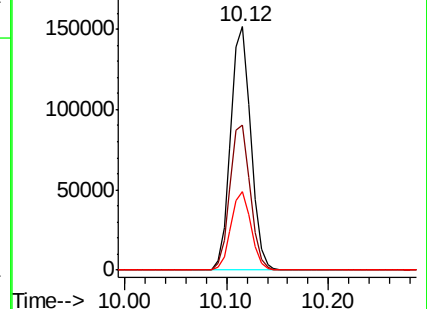
119 32.2 25.0 37.4

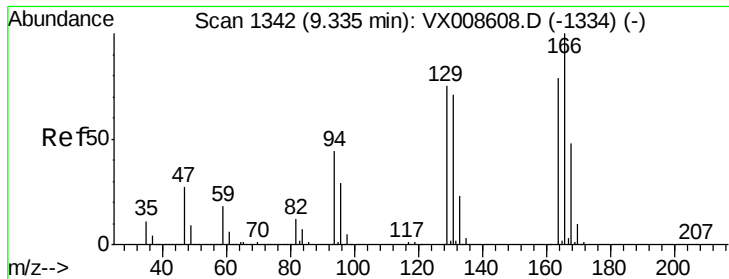


Abundance Ion 116.90 (116.60 to 117.60): VX008608.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008608.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008608.D (-1462) (-)





#64

Tetrachloroethene

Concen: 0.411 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008746.D

Acq: 08 Apr 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

TT-003-IDWSO-20190404

Tot Ion:164 Resp: 630

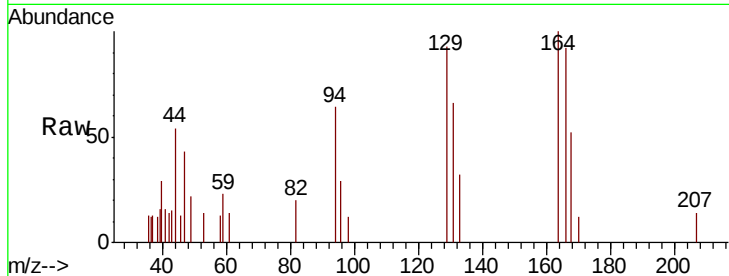
Ion Ratio Lower Upper

164 100

166 91.6 101.0 151.6#

129 93.5 75.8 113.8

131 65.8 71.8 107.8#



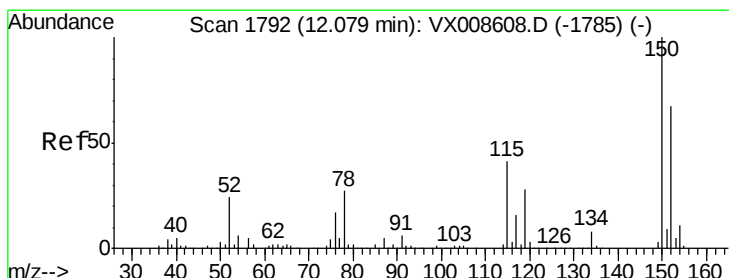
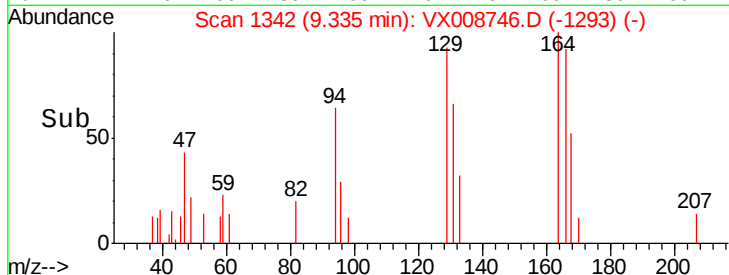
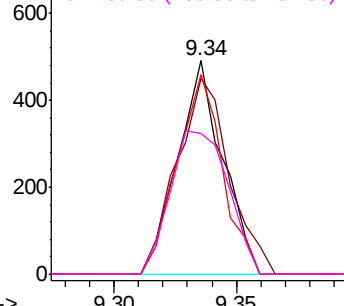
Abundance

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008746.D

Acq: 08 Apr 2019 15:37

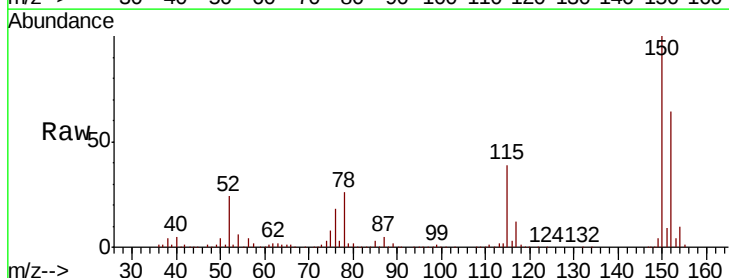
Tgt Ion:152 Resp: 93758

Ion Ratio Lower Upper

152 100

115 60.4 43.5 130.5

150 157.6 0.0 348.8

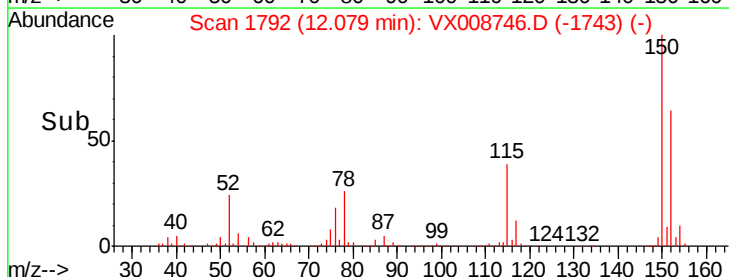
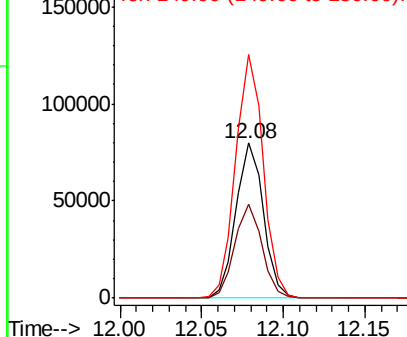


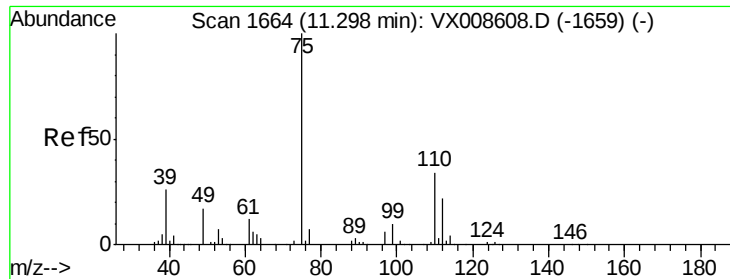
Abundance

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

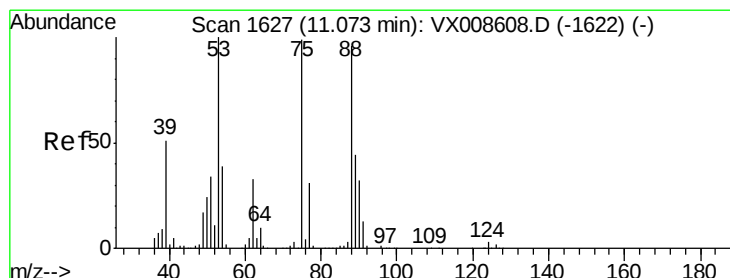
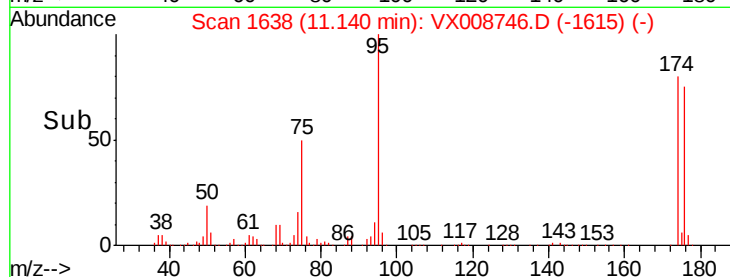
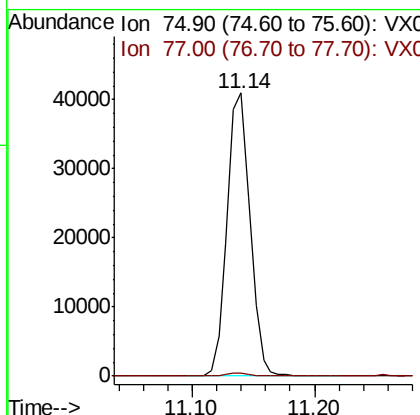
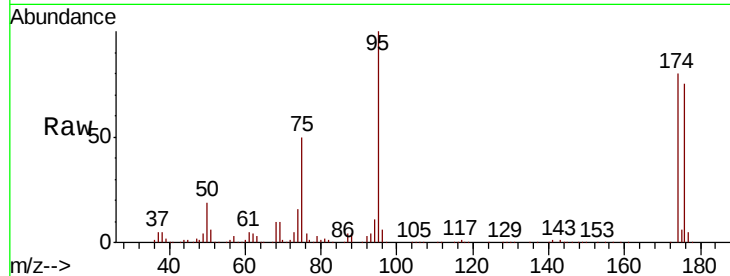




#76
 1,2,3-Trichloropropane
 Concen: 20.695 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX008746.D
 Acq: 08 Apr 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-003-IDWSO-20190404

Tot Ion: 75 Resp: 53303
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.047 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX008746.D
 Acq: 08 Apr 2019 15:37

Tgt Ion: 75 Resp: 53303
 Ion Ratio Lower Upper
 75 100
 53 0.3 81.3 121.9#
 89 0.0 35.6 53.4#

