

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021219\
 Data File : VX007495.D
 Acq On : 12 Feb 2019 18:10
 Operator : JC/SP
 Sample : K1457-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-LIQUID-04

Quant Time: Feb 13 00:14:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	511962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	796597	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	741306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	358044	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	277272	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
35) Dibromofluoromethane	5.50	113	258268	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
50) Toluene-d8	8.71	98	948862	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.13	95	338792	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	

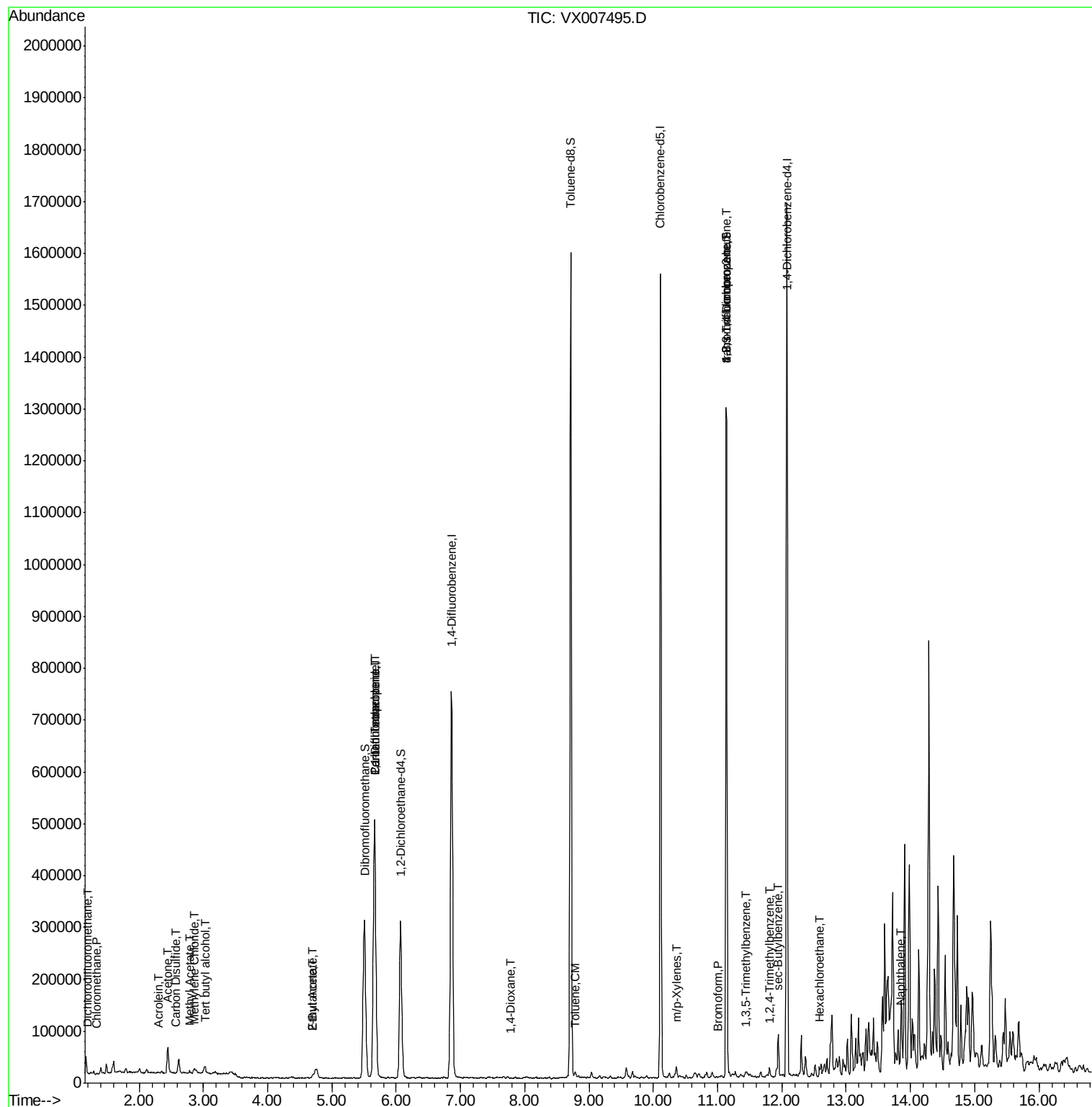
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	308	0.226	ug/l	98
3) Chloromethane	1.33	50	1205	0.209	ug/l #	34
5) Bromomethane	1.64	94	264	Below Cal	#	39
11) Tert butyl alcohol	3.03	59	11011	9.791	ug/l #	73
13) Acrolein	2.29	56	1359	2.577	ug/l	99
16) Acetone	2.45	43	56161	22.562	ug/l	99
17) Carbon Disulfide	2.57	76	1571	2.239	ug/l #	21
18) Methyl Acetate	2.78	43	4096	1.217	ug/l #	86
20) Methylene Chloride	2.86	84	4663	0.528	ug/l	95
25) 2-Butanone	4.70	43	11513	3.250	ug/l	97
36) 1,1-Dichloropropene	5.66	75	33307	4.660	ug/l #	49
37) Ethyl Acetate	4.70	43	11779	1.630	ug/l #	75
38) Carbon Tetrachloride	5.67	117	46022	6.637	ug/l #	18
49) 1,4-Dioxane	7.77	88	25	7.075	ug/l #	1
52) Toluene	8.79	92	3941	0.290	ug/l	87
68) m/p-Xylenes	10.35	106	4533	0.438	ug/l	86
71) Bromoform	11.02	173	130	4.055	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	160902	23.104	ug/l #	33
80) 1,3,5-Trimethylbenzene	11.43	105	5533	0.278	ug/l	87
81) trans-1,4-Dichloro-2-buten	11.13	75	160902	69.600	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	6346	0.314	ug/l	99
85) sec-Butylbenzene	11.94	105	42352	1.776	ug/l	90
90) Hexachloroethane	12.59	117	1251	0.388	ug/l #	5
95) Naphthalene	13.83	128	8733	0.362	ug/l #	69

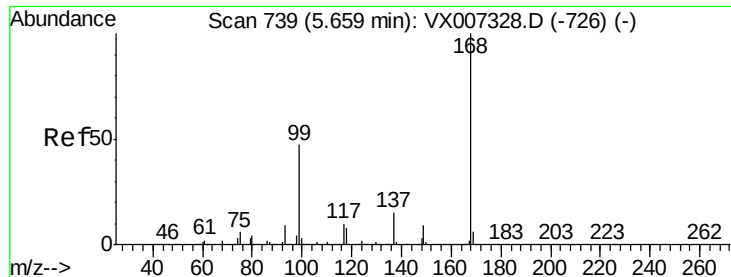
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021219\
Data File : VX007495.D
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Misc : 5.0mL/MSVOA X/WATER
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Instrument :
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Quant Time: Feb 13 00:14:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007495.D

Acq: 12 Feb 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

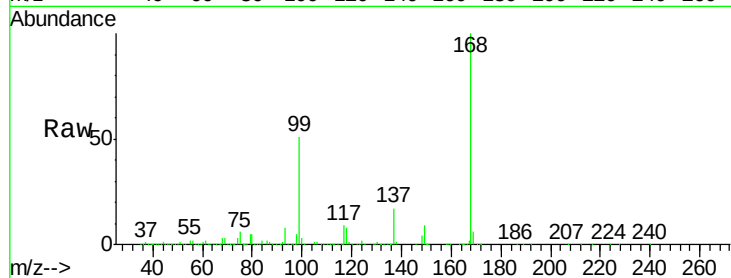
IDW-LIQUID-04

Tot Ion:168 Resp: 511962

Ion Ratio Lower Upper

168 100

99 51.0 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

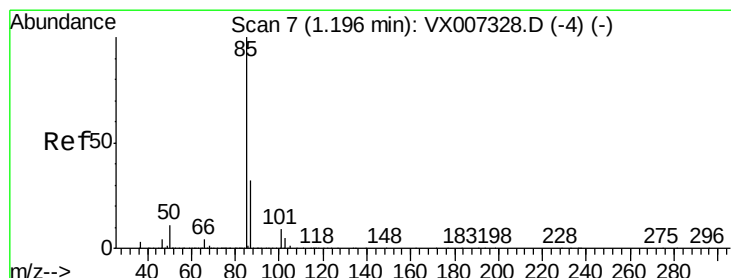
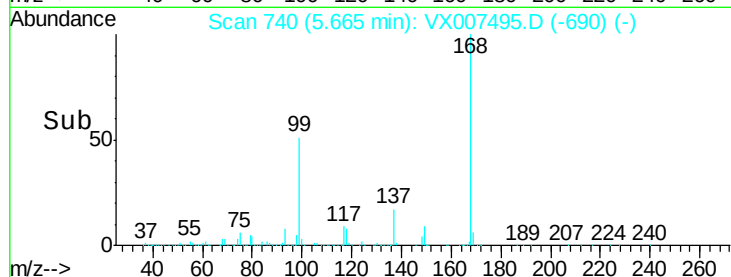
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.226 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007495.D

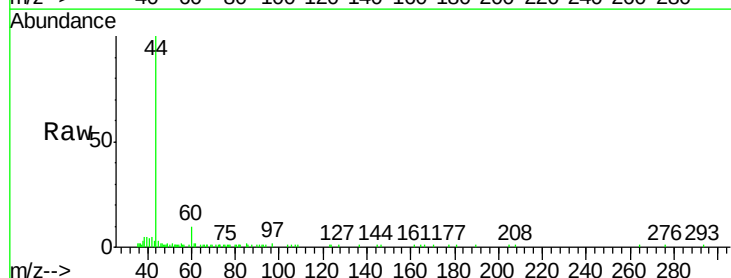
Acq: 12 Feb 2019 18:10

Tgt Ion: 85 Resp: 308

Ion Ratio Lower Upper

85 100

87 32.9 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

250

200

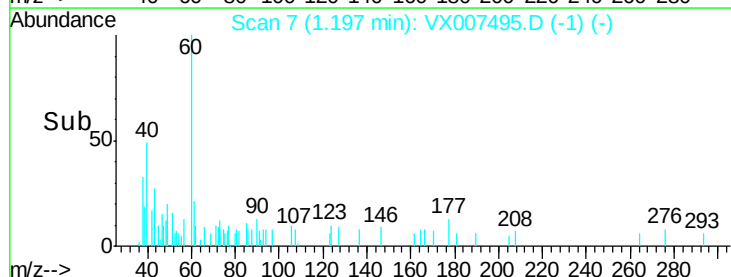
150

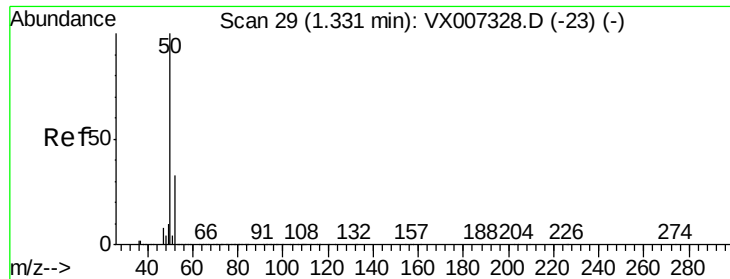
100

50

0

Time-->





#3

Chloromethane

Concen: 0.209 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007495.D

Acq: 12 Feb 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

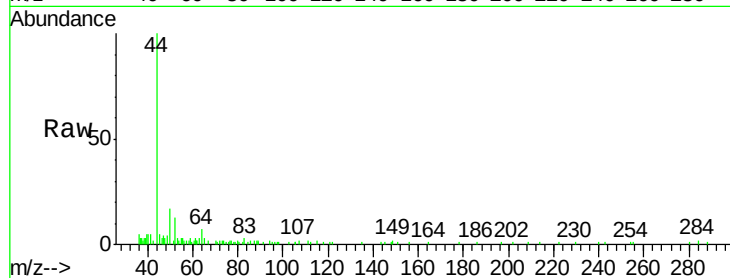
IDW-LIQUID-04

Tot Ion: 50 Resp: 1205

Ion Ratio Lower Upper

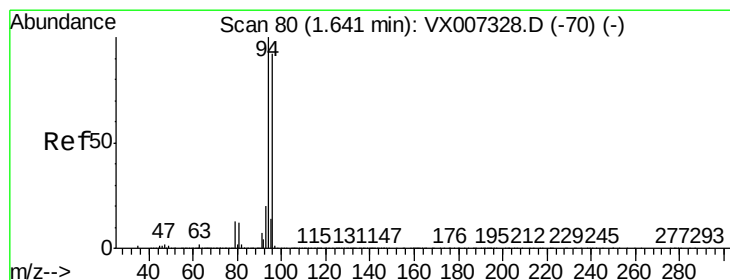
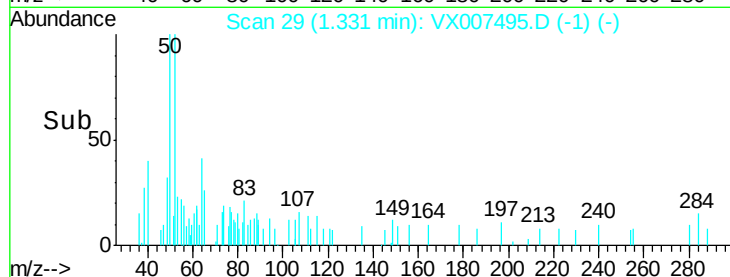
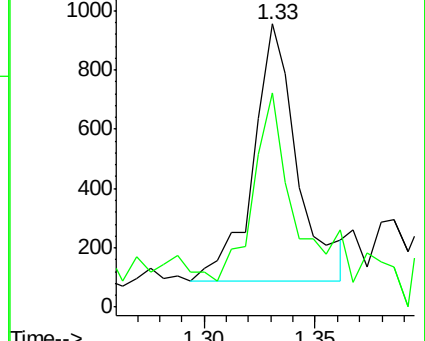
50 100

52 69.9 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007495.D

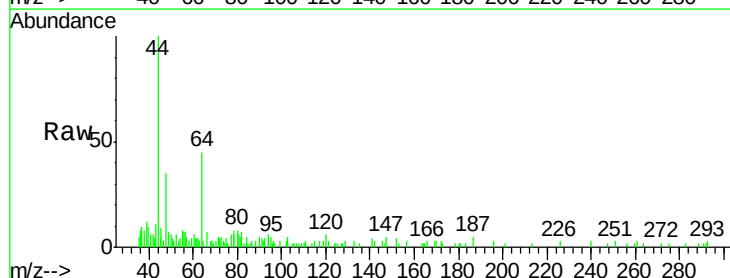
Acq: 12 Feb 2019 18:10

Tgt Ion: 94 Resp: 264

Ion Ratio Lower Upper

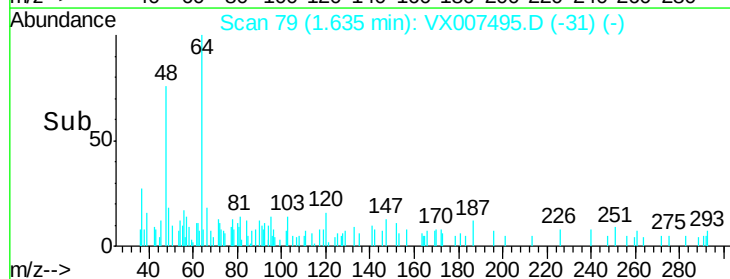
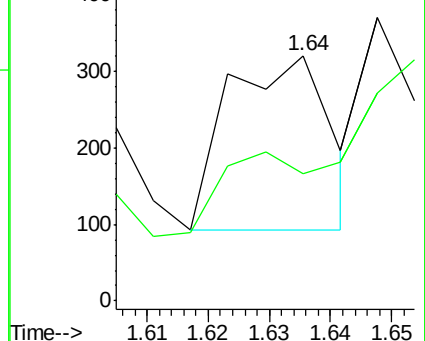
94 100

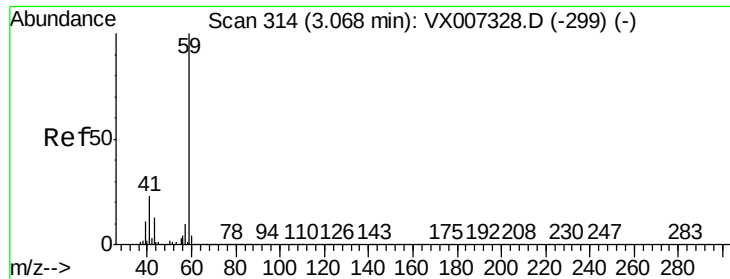
96 33.6 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



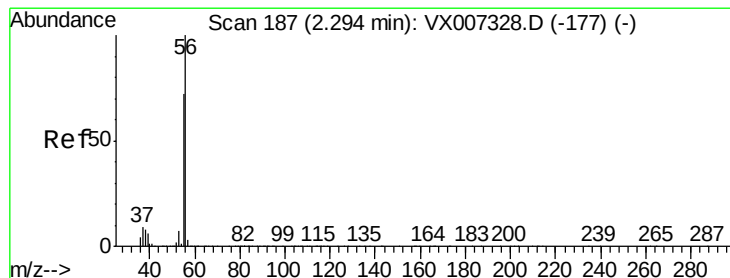
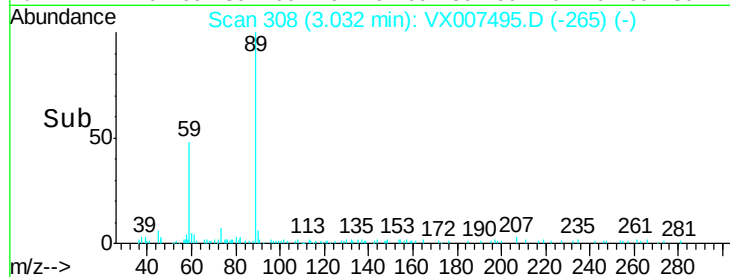
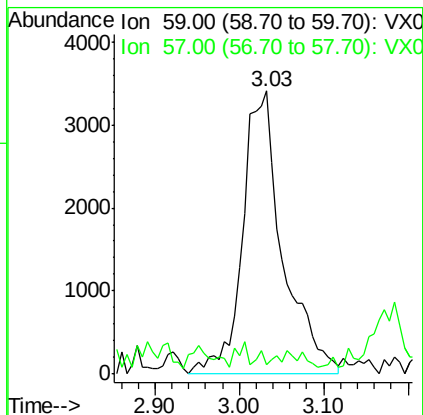
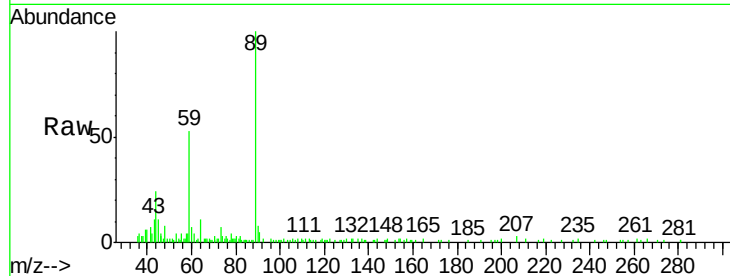


#11

Tert butyl alcohol
Concen: 9.791 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.04 min
Lab File: VX007495.D
Acq: 12 Feb 2019 18:10

Instrument :
MSVOA_X
ClientSampleId :
IDW-LIQUID-04

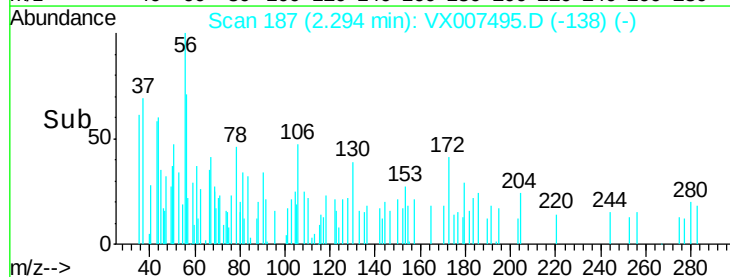
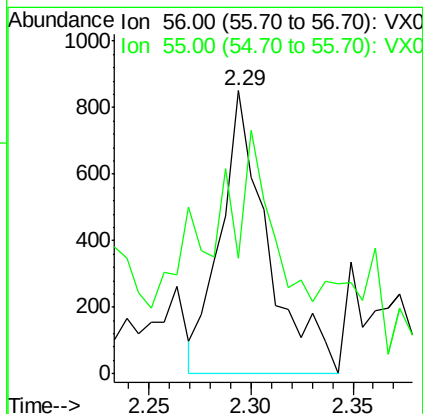
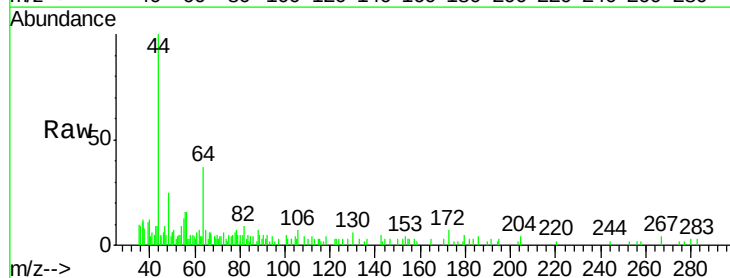
Tot Ion: 59 Resp: 11011
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

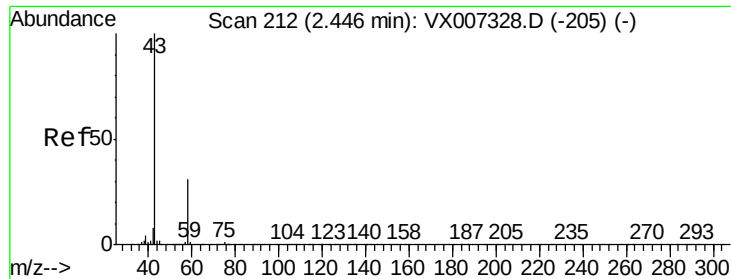


#13

Acrolein
Concen: 2.577 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX007495.D
Acq: 12 Feb 2019 18:10

Tgt Ion: 56 Resp: 1359
Ion Ratio Lower Upper
56 100
55 71.7 56.9 85.3

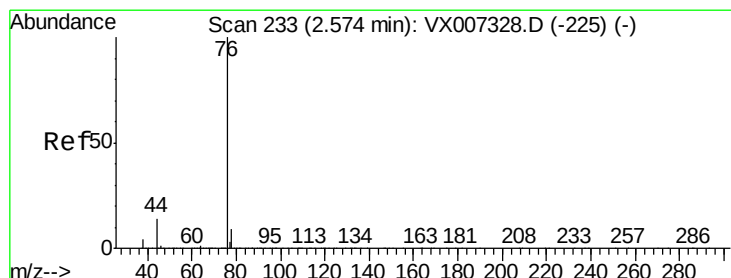
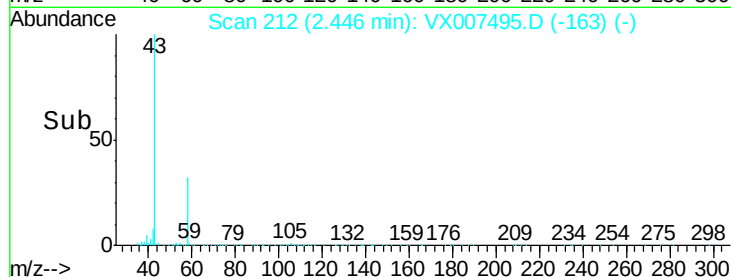
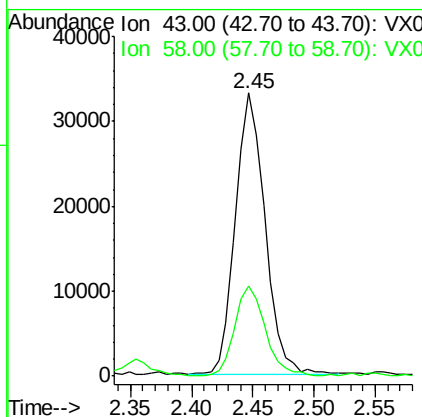
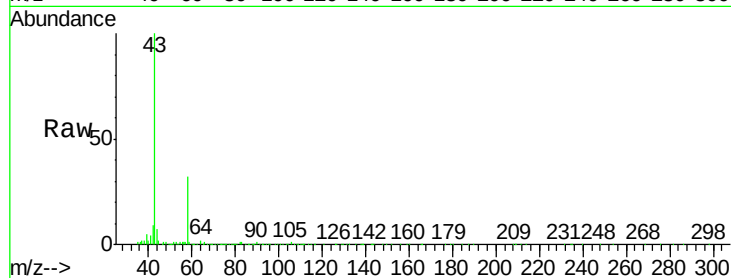




#16
Acetone
Concen: 22.562 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX007495.D
Acq: 12 Feb 2019 18:10

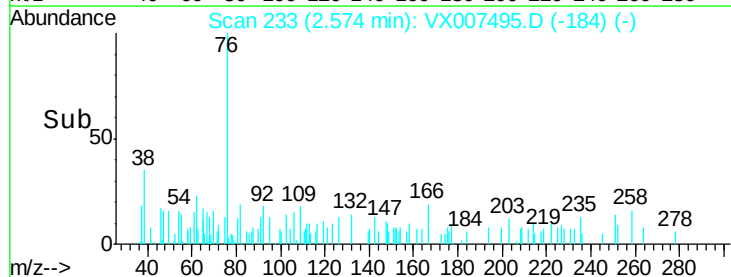
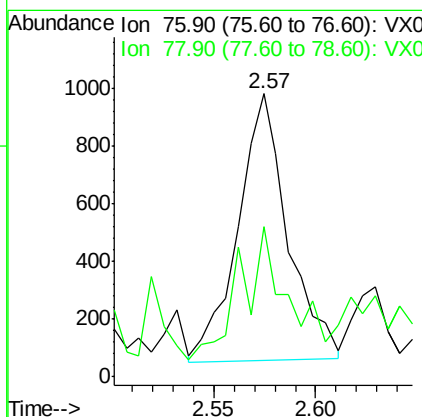
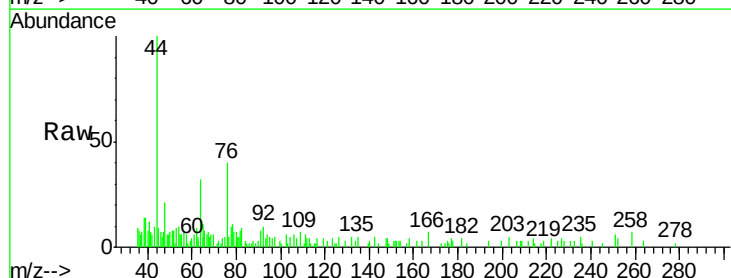
Instrument :
MSVOA_X
ClientSampleId :
IDW-LIQUID-04

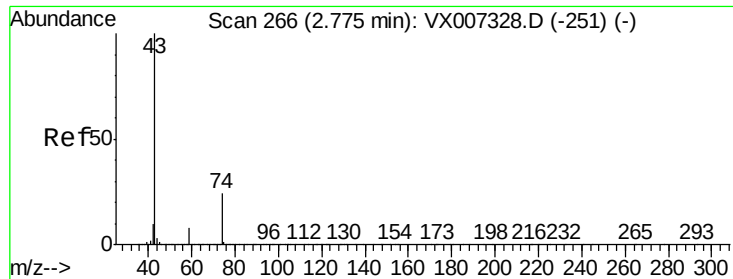
Tot Ion: 43 Resp: 56161
Ion Ratio Lower Upper
43 100
58 31.4 24.9 37.3



#17
Carbon Disulfide
Concen: 2.239 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX007495.D
Acq: 12 Feb 2019 18:10

Tgt Ion: 76 Resp: 1571
Ion Ratio Lower Upper
76 100
78 37.3 7.1 10.7#

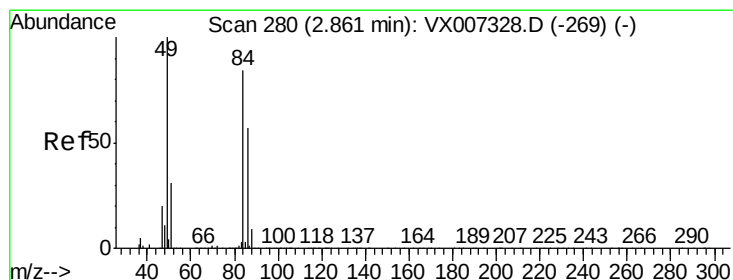
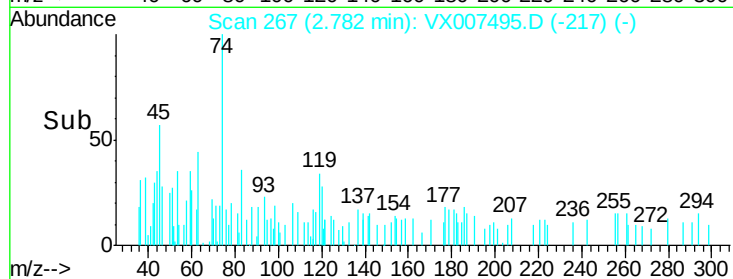
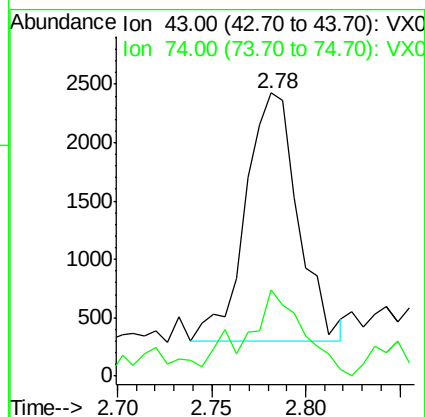
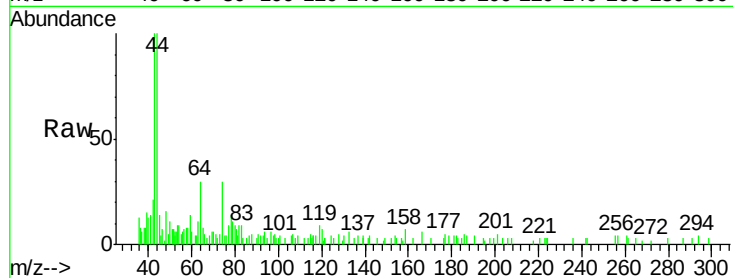




#18
Methyl Acetate
Concen: 1.217 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007495.D
Acq: 12 Feb 2019 18:10

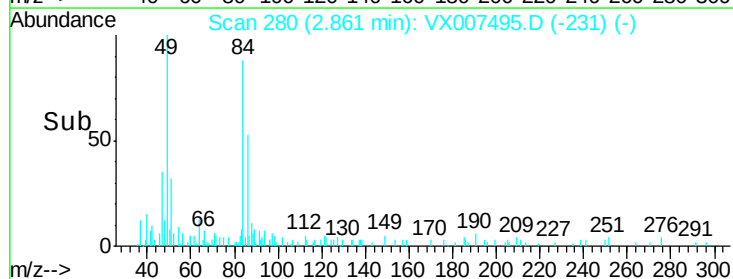
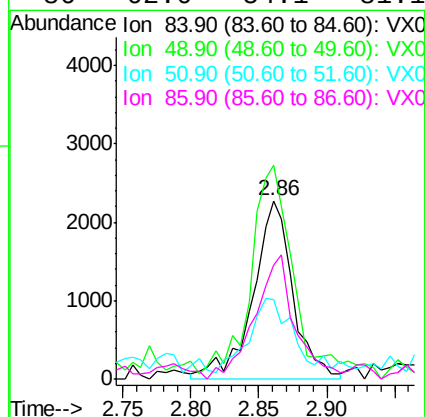
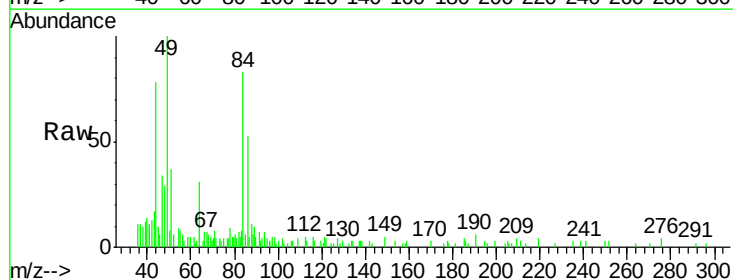
Instrument :
MSVOA_X
ClientSampled :
IDW-LIQUID-04

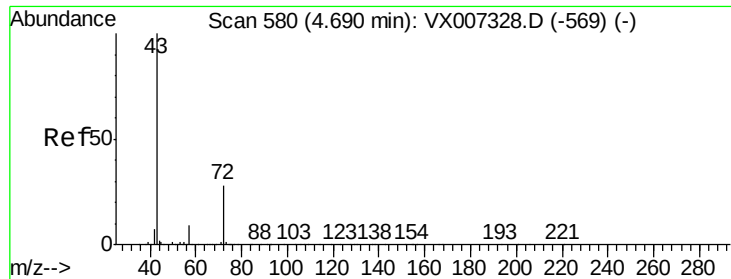
Tot Ion: 43 Resp: 4096
Ion Ratio Lower Upper
43 100
74 31.3 19.4 29.2#



#20
Methylene Chloride
Concen: 0.528 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007495.D
Acq: 12 Feb 2019 18:10

Tgt Ion: 84 Resp: 4663
Ion Ratio Lower Upper
84 100
49 114.1 94.8 142.2
51 35.8 29.8 44.8
86 62.0 54.1 81.1





#25

2-Butanone

Concen: 3.250 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007495.D

Acq: 12 Feb 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

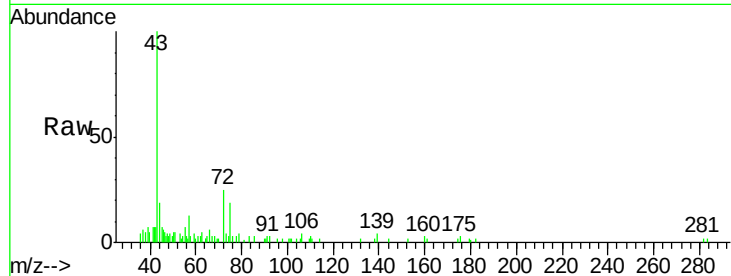
IDW-LIQUID-04

Tot Ion: 43 Resp: 11513

Ion Ratio Lower Upper

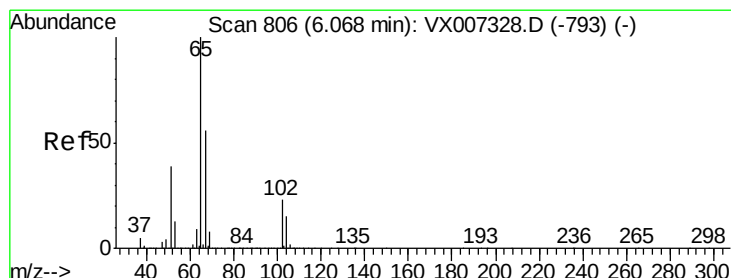
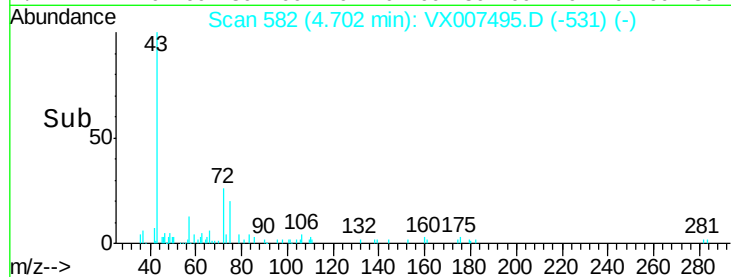
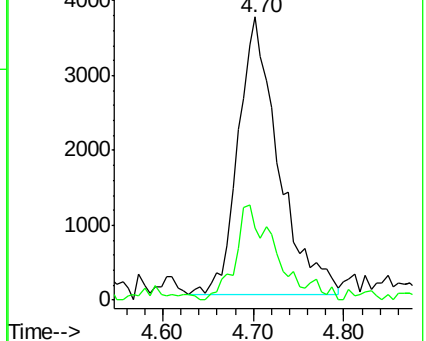
43 100

72 26.0 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.025 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007495.D

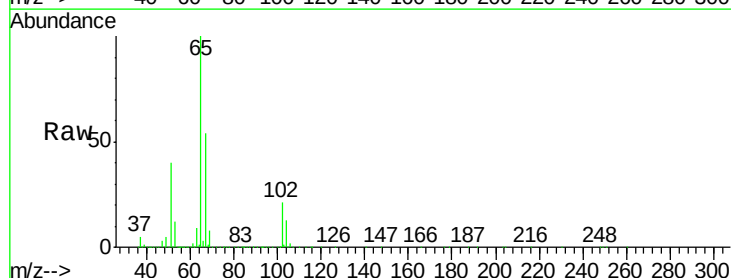
Acq: 12 Feb 2019 18:10

Tgt Ion: 65 Resp: 277272

Ion Ratio Lower Upper

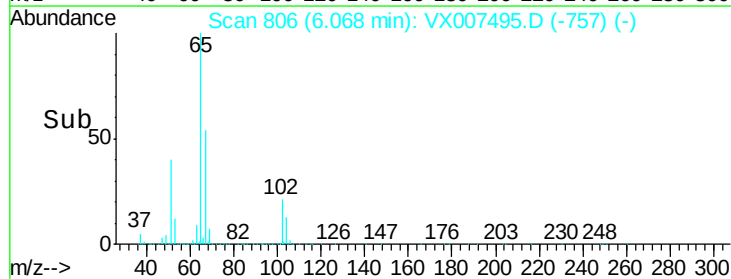
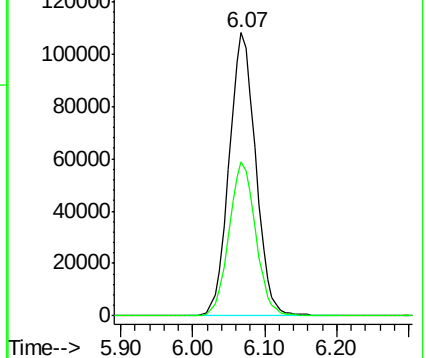
65 100

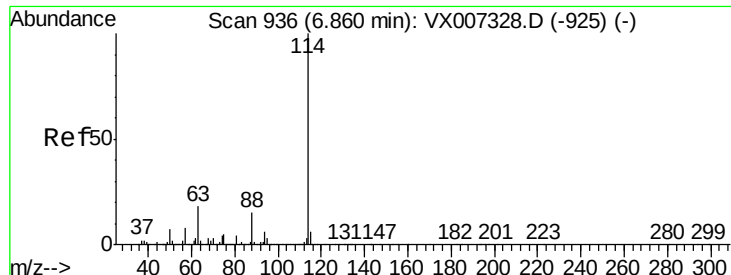
67 54.6 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

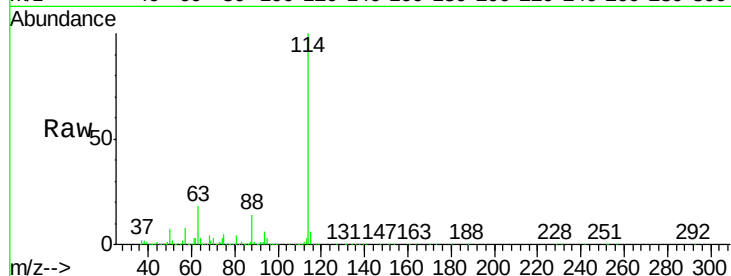




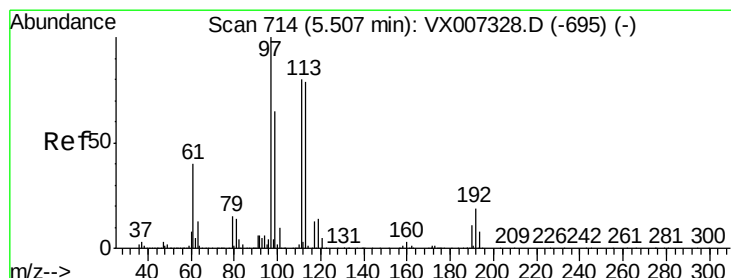
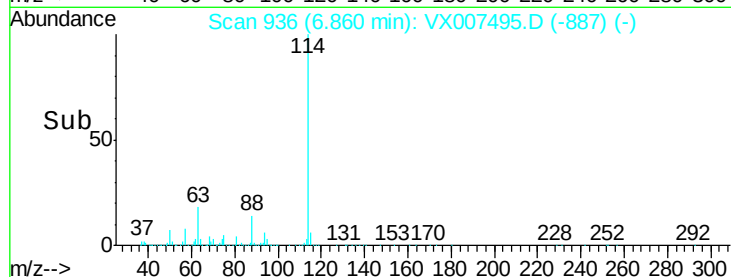
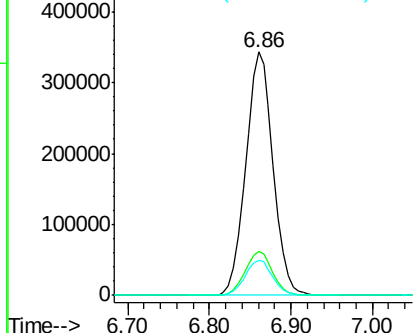
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX007495.D
Acq: 12 Feb 2019 18:10

Instrument :
MSVOA_X
ClientSampleId :
IDW-LIQUID-04

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	35.6
88	14.3	0.0	29.6

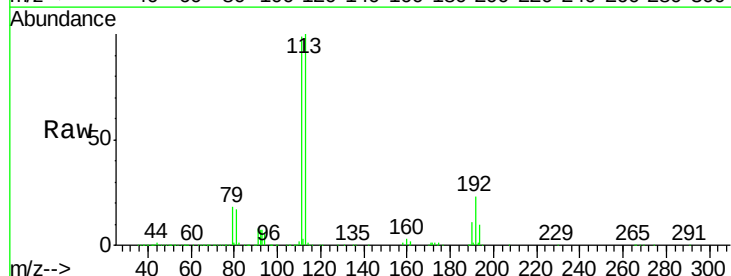


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

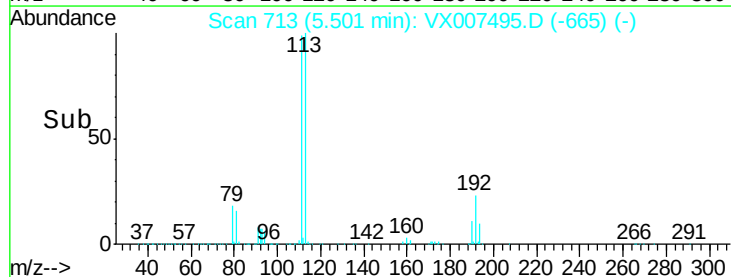
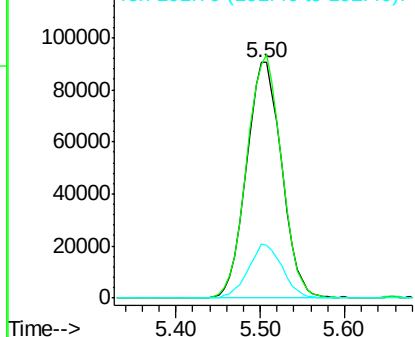


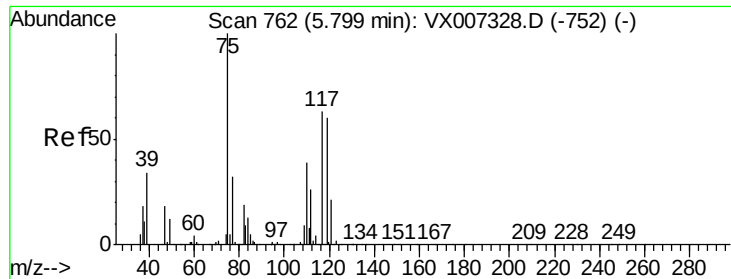
#35
Dibromofluoromethane
Concen: 49.828 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.01 min
Lab File: VX007495.D
Acq: 12 Feb 2019 18:10

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.8
192	22.2	18.5	27.7



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: 4.660 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007495.D

Acq: 12 Feb 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

IDW-LIQUID-04

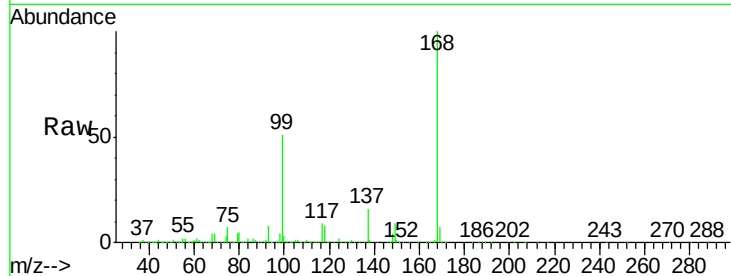
Tot Ion: 75 Resp: 33307

Ion Ratio Lower Upper

75 100

110 10.5 20.0 59.9#

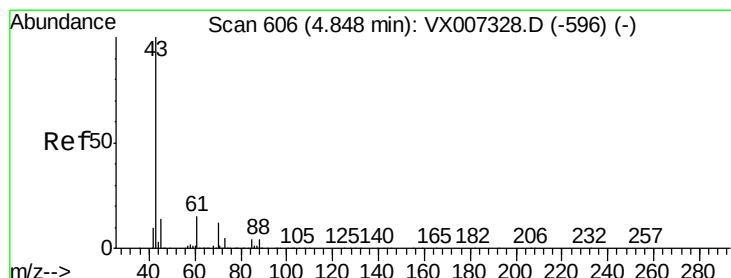
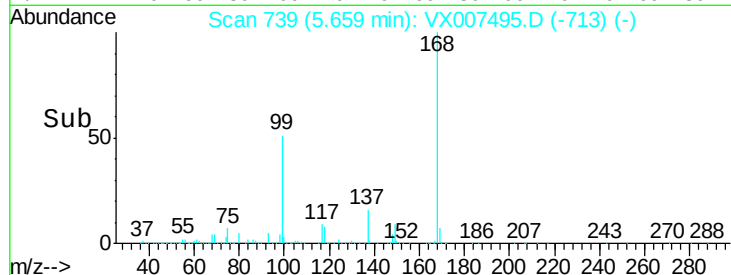
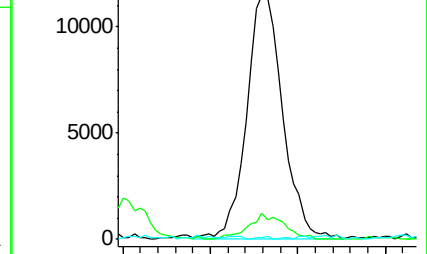
77 0.4 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 1.630 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.15 min

Lab File: VX007495.D

Acq: 12 Feb 2019 18:10

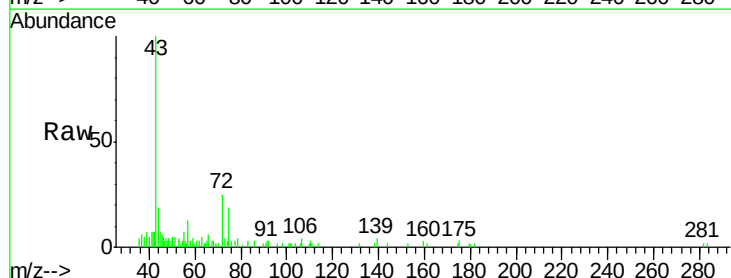
Tgt Ion: 43 Resp: 11779

Ion Ratio Lower Upper

43 100

61 3.8 11.3 16.9#

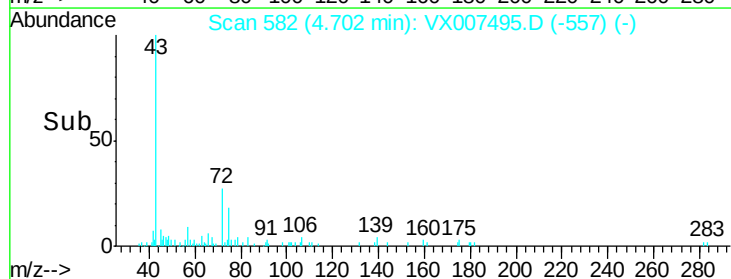
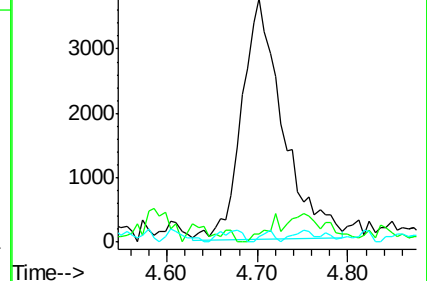
70 1.4 8.6 13.0#

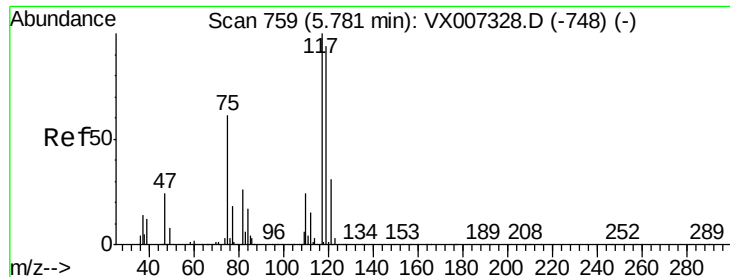


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.637 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007495.D

Acq: 12 Feb 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

IDW-LIQUID-04

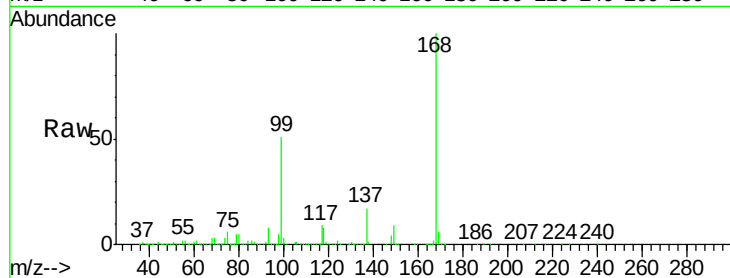
Tot Ion:117 Resp: 46022

Ion Ratio Lower Upper

117 100

119 6.3 75.3 112.9#

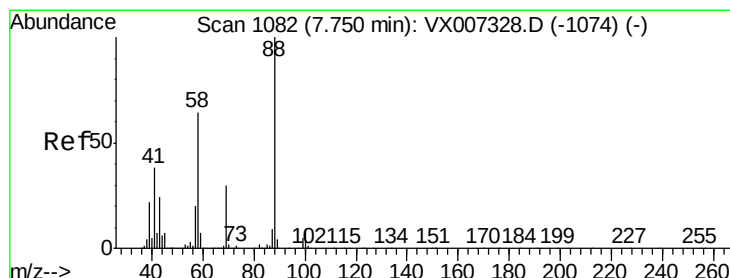
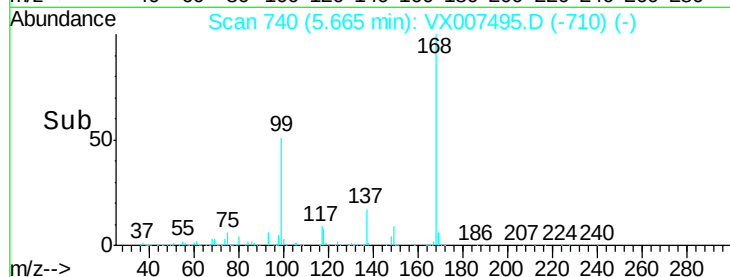
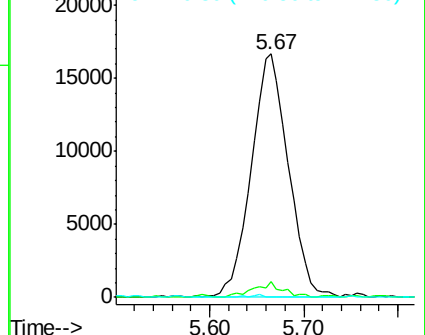
121 0.0 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 7.075 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.02 min

Lab File: VX007495.D

Acq: 12 Feb 2019 18:10

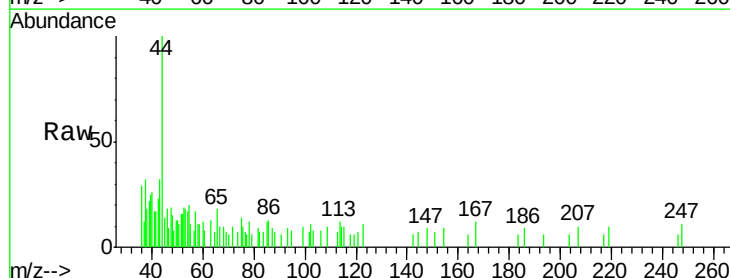
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 1520.0 24.2 36.4#

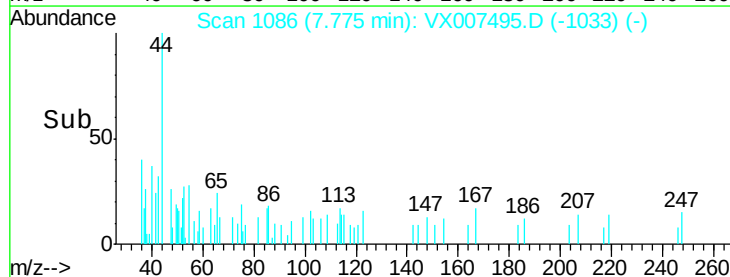
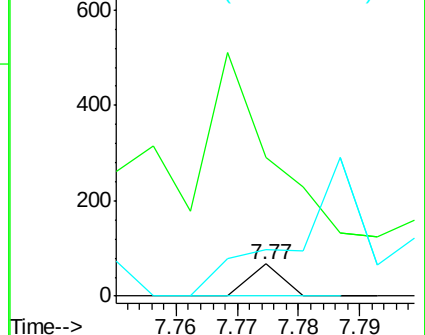
58 1544.0 53.0 79.4#

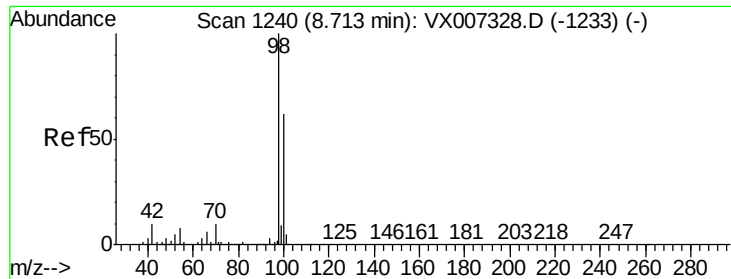


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

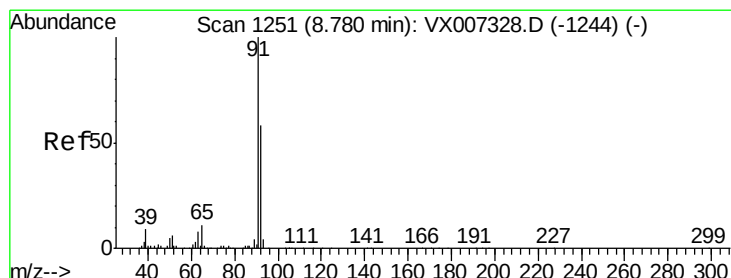
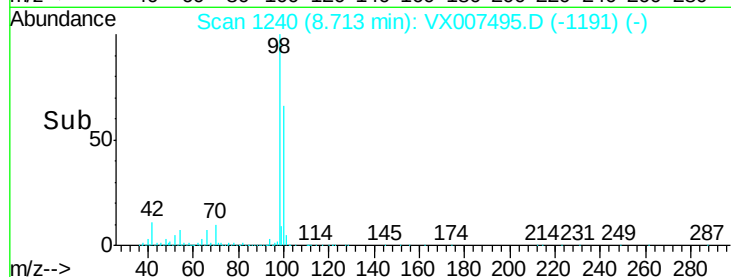
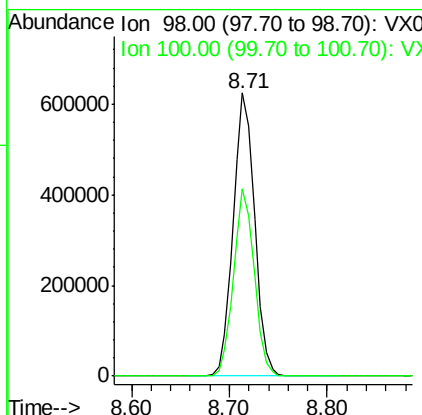
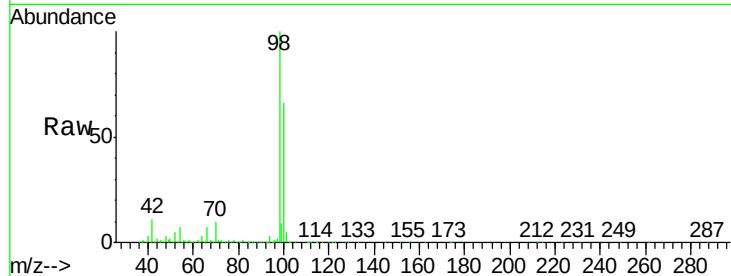




#50
Toluene-d8
Concen: 49.342 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007495.D
Acq: 12 Feb 2019 18:10

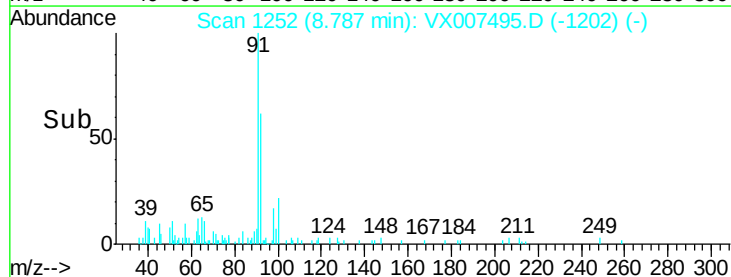
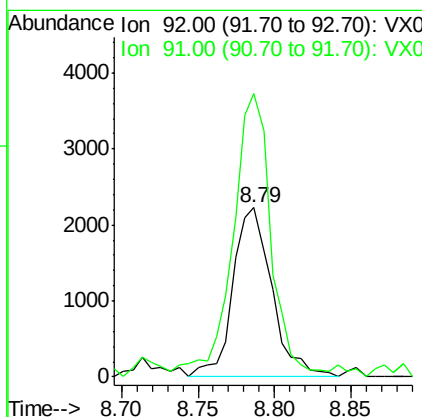
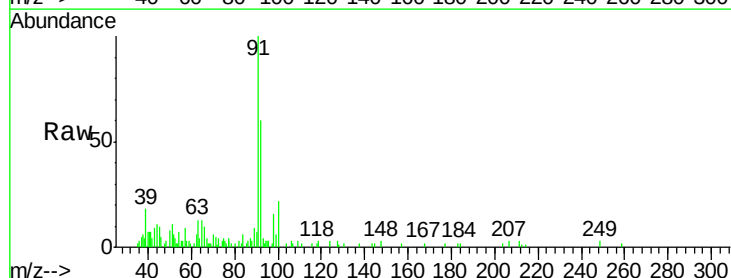
Instrument :
MSVOA_X
ClientSampleId :
IDW-LIQUID-04

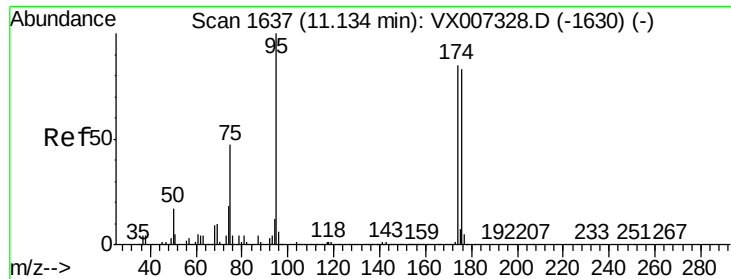
Tot Ion: 98 Resp: 948862
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#52
Toluene
Concen: 0.290 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX007495.D
Acq: 12 Feb 2019 18:10

Tgt Ion: 92 Resp: 3941
Ion Ratio Lower Upper
92 100
91 156.4 139.1 208.7





#62

4-Bromofluorobenzene

Concen: 48.254 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007495.D

Acq: 12 Feb 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

IDW-LIQUID-04

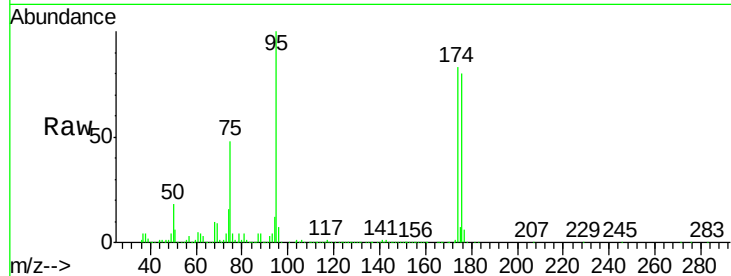
Tot Ion: 95 Resp: 338792

Ion Ratio Lower Upper

95 100

174 90.5 0.0 189.2

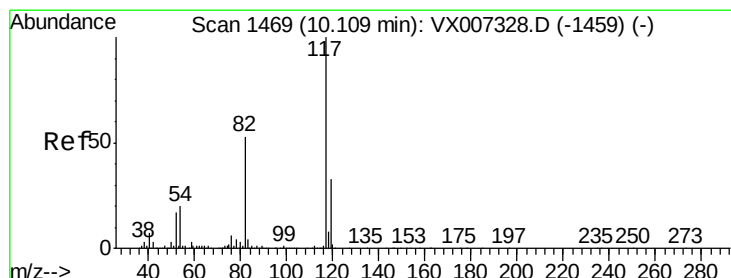
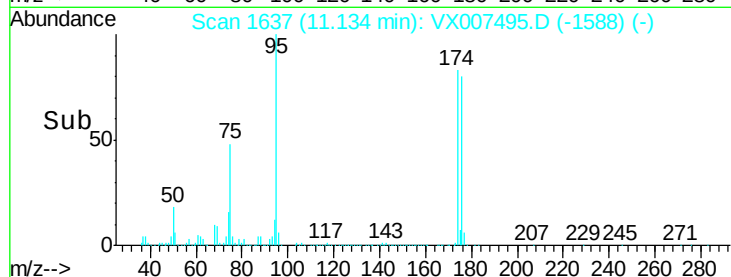
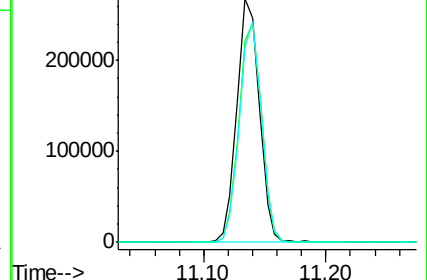
176 89.1 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX007328.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007328.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX007328.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX007495.D

Acq: 12 Feb 2019 18:10

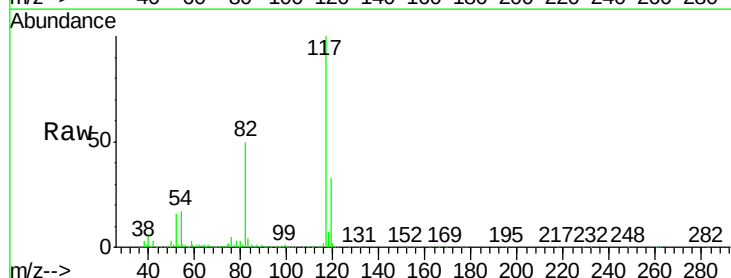
Tgt Ion: 117 Resp: 741306

Ion Ratio Lower Upper

117 100

82 50.1 42.1 63.1

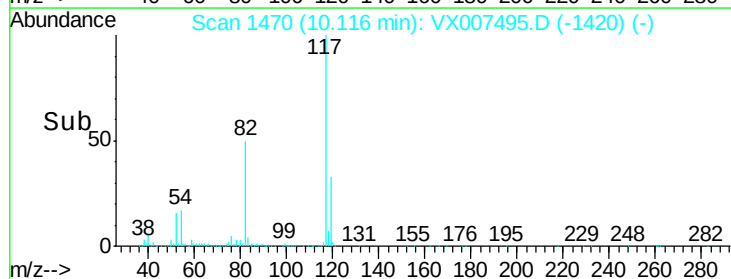
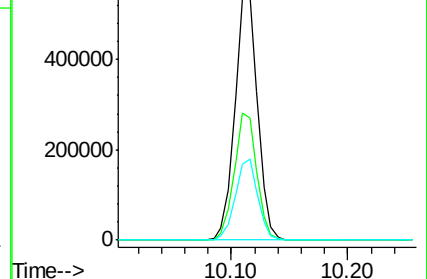
119 33.1 26.5 39.7

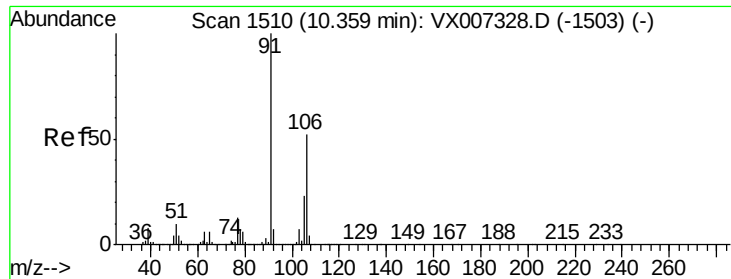


Abundance Ion 116.90 (116.60 to 117.60): VX007328.D (-1459) (-)

Ion 82.00 (81.70 to 82.70): VX007328.D (-1459) (-)

Ion 118.90 (118.60 to 119.60): VX007328.D (-1459) (-)

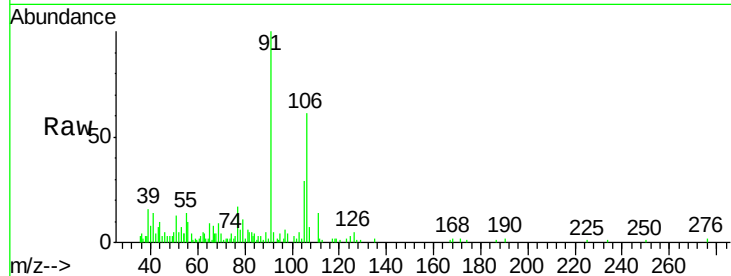




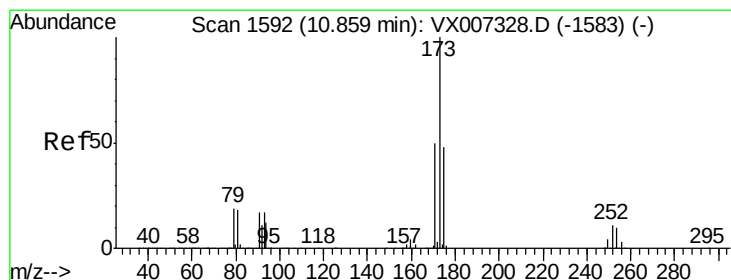
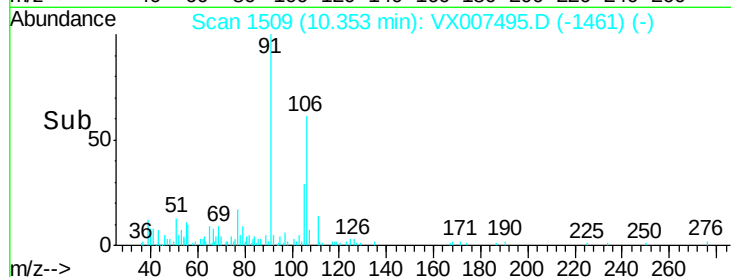
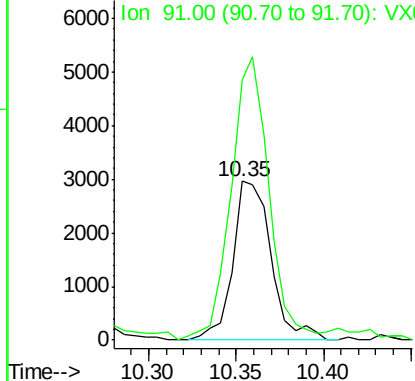
#68
m/p-Xvlenes
Concen: 0.438 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX007495.D
Acq: 12 Feb 2019 18:10

Instrument :
MSVOA_X
ClientSampleId :
IDW-LIQUID-04

Tot Ion:106 Resp: 4533
Ion Ratio Lower Upper
106 100
91 174.9 156.6 234.8

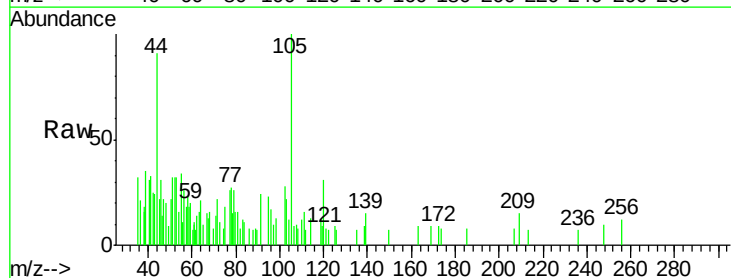


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

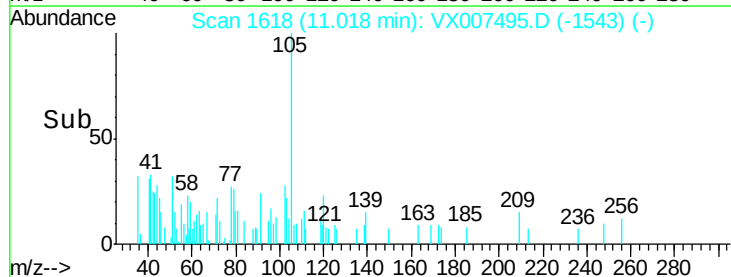
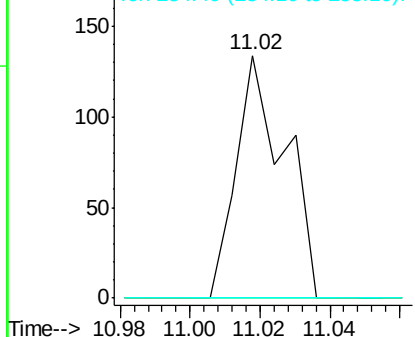


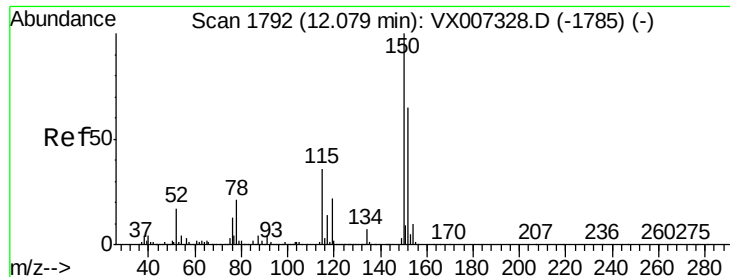
#71
Bromoform
Concen: 4.055 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.16 min
Lab File: VX007495.D
Acq: 12 Feb 2019 18:10

Tgt Ion:173 Resp: 130
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

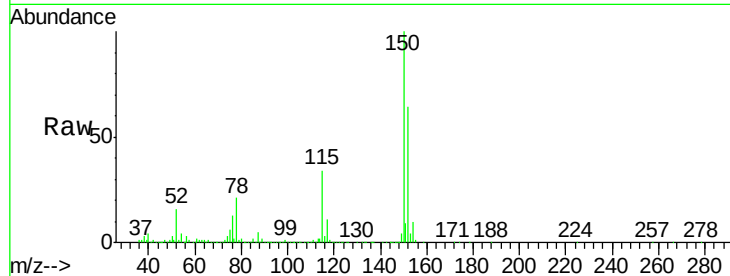




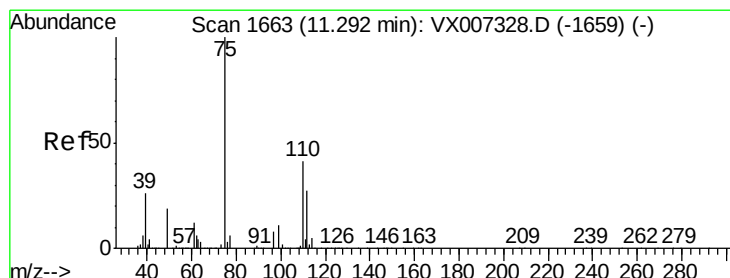
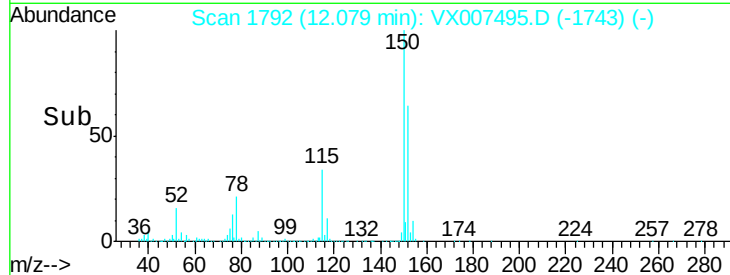
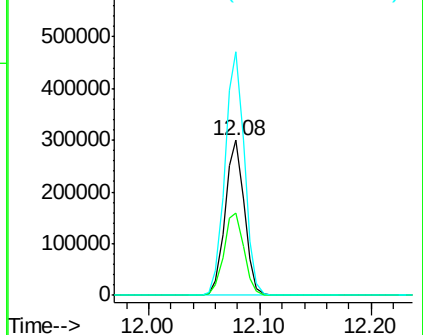
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX007495.D
 Acq: 12 Feb 2019 18:10

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-LIQUID-04

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.4	38.0	114.0
150	158.2	0.0	346.4

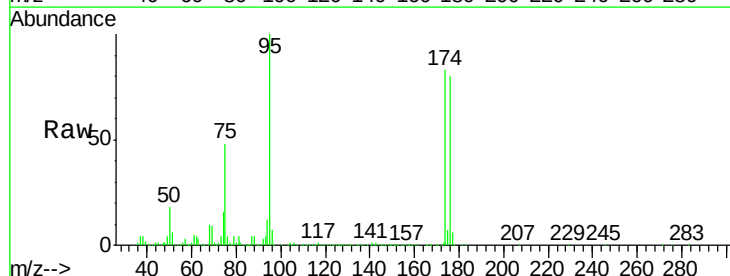


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

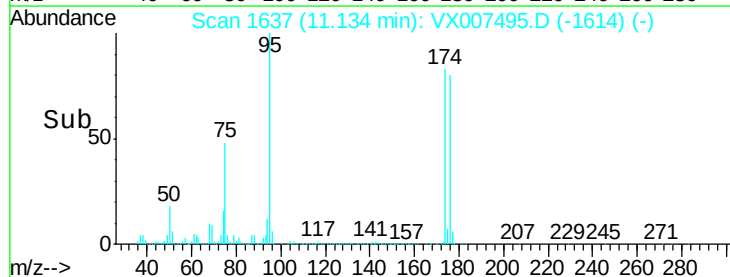
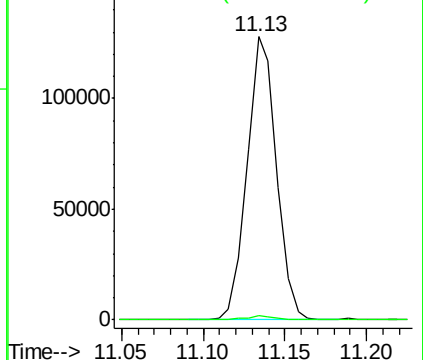


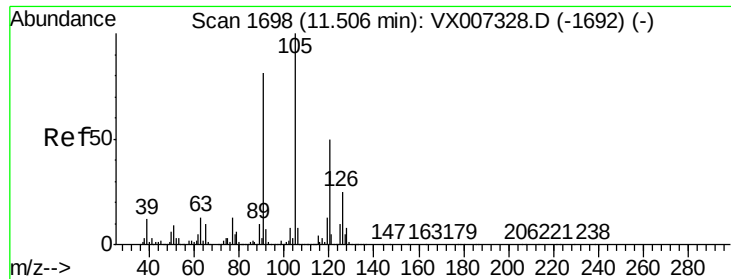
#76
 1,2,3-Trichloropropane
 Concen: 23.104 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007495.D
 Acq: 12 Feb 2019 18:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	23.0	69.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 77.00 (76.70 to 77.70): VX0

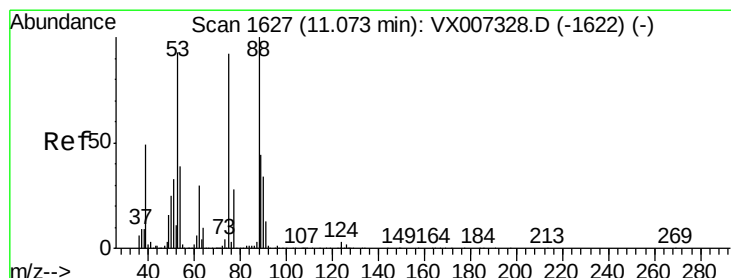
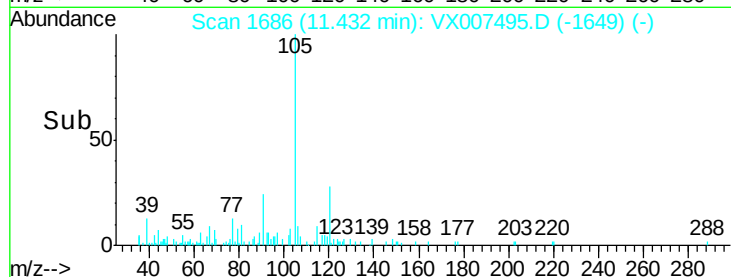
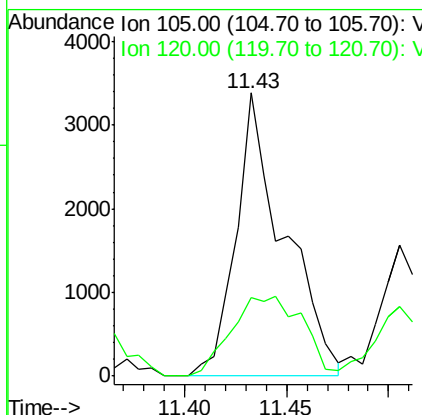
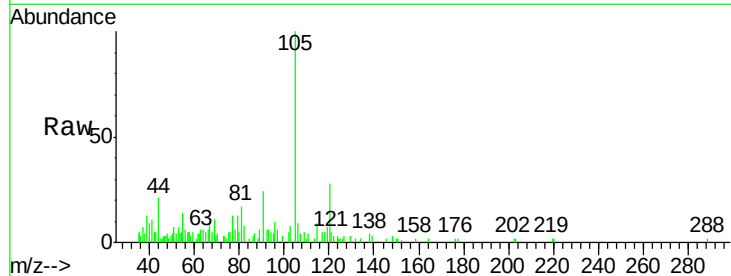




#80
 1,3,5-Trimethylbenzene
 Concen: 0.278 ug/l
 RT: 11.43 min Scan# 1686
 Delta R.T. -0.07 min
 Lab File: VX007495.D
 Acq: 12 Feb 2019 18:10

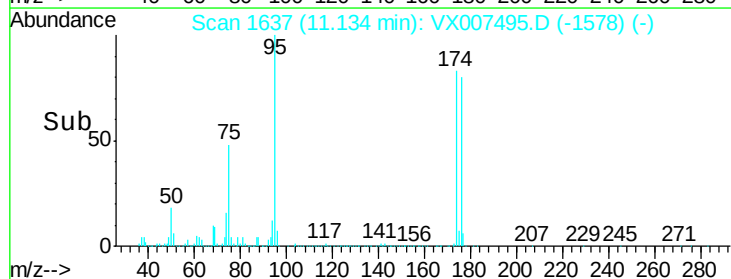
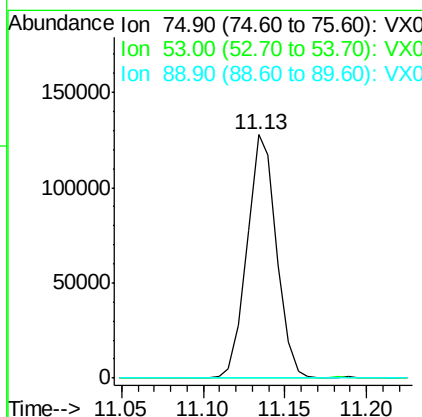
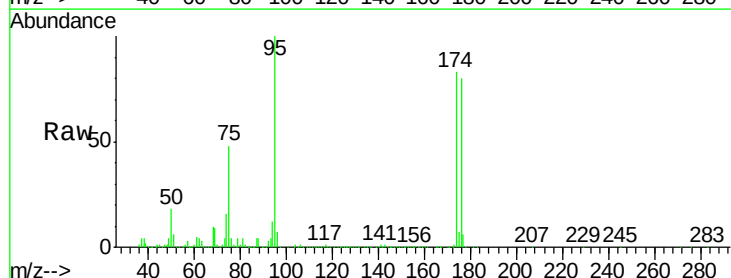
Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-LIQUID-04

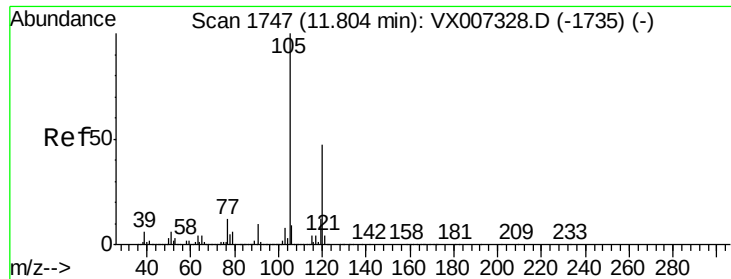
Tot Ion:105 Resp: 5533
 Ion Ratio Lower Upper
 105 100
 120 41.8 25.3 75.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.600 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007495.D
 Acq: 12 Feb 2019 18:10

Tgt Ion: 75 Resp: 160902
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.0 121.6#
 89 0.1 41.4 62.0#

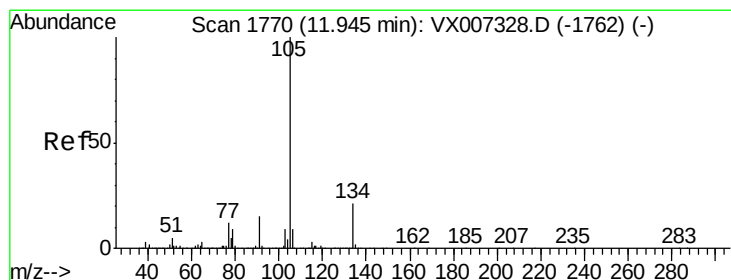
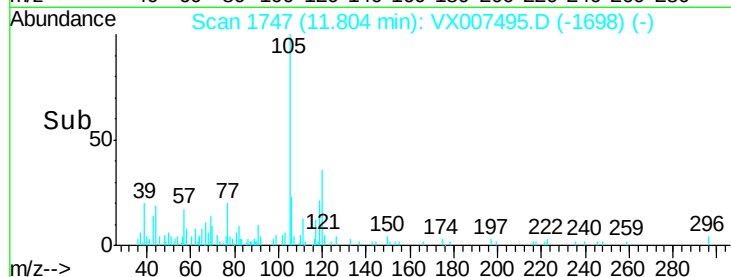
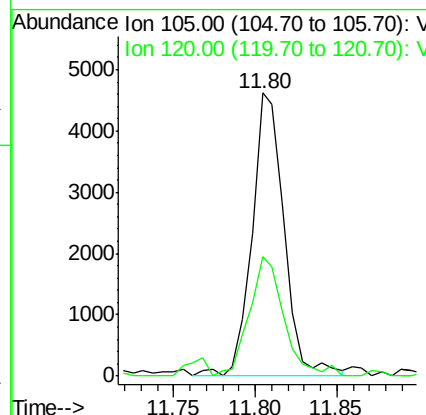
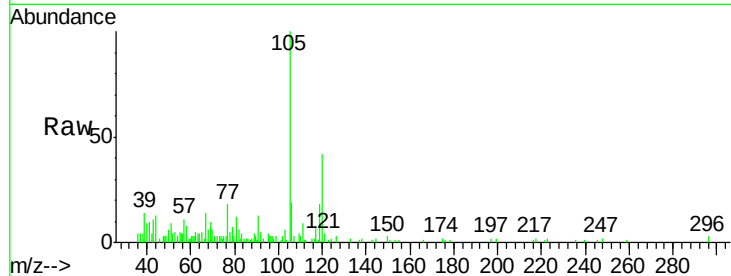




#84
 1,2,4-Trimethylbenzene
 Concen: 0.314 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007495.D
 Acq: 12 Feb 2019 18:10

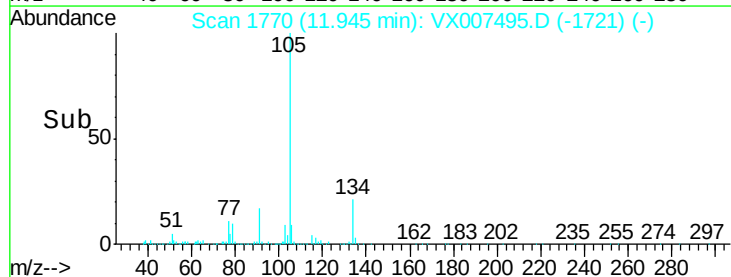
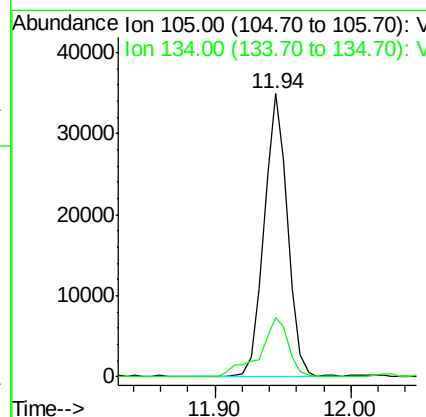
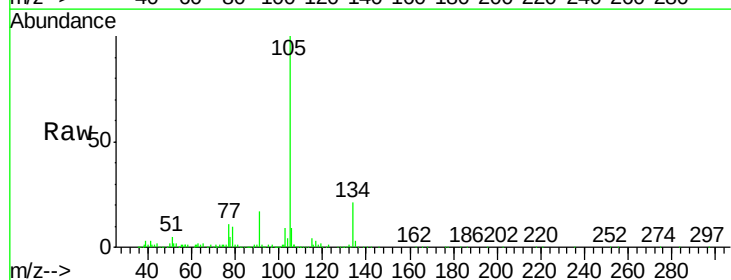
Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-LIQUID-04

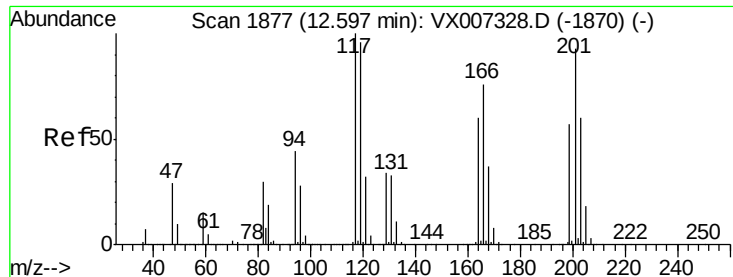
Tot Ion:105 Resp: 6346
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.1 69.3



#85
 sec-Butylbenzene
 Concen: 1.776 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007495.D
 Acq: 12 Feb 2019 18:10

Tgt Ion:105 Resp: 42352
 Ion Ratio Lower Upper
 105 100
 134 25.9 10.6 31.8





#90

Hexachloroethane

Concen: 0.388 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX007495.D

Acq: 12 Feb 2019 18:10

Instrument :

MSVOA_X

ClientSampleId :

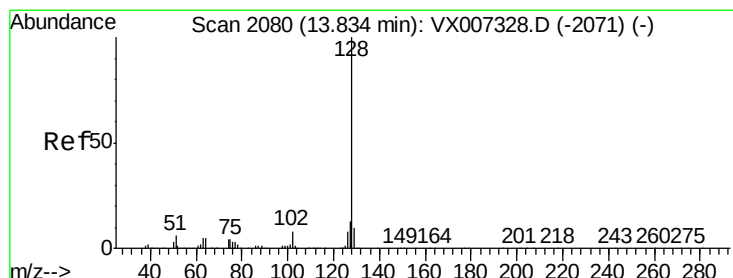
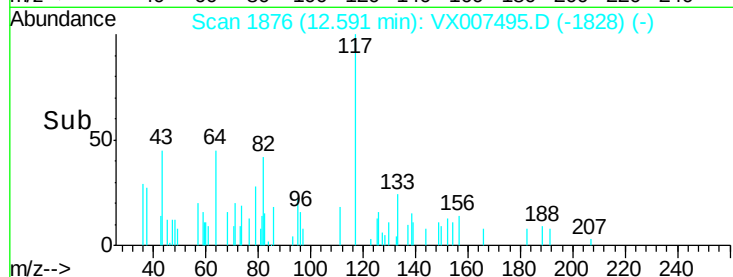
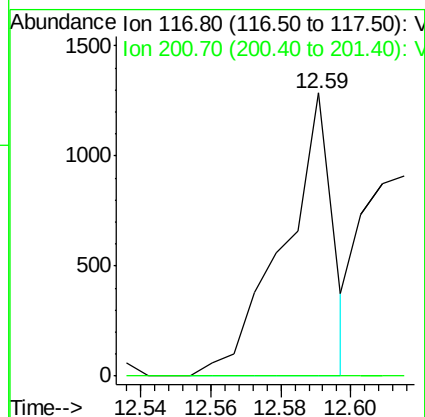
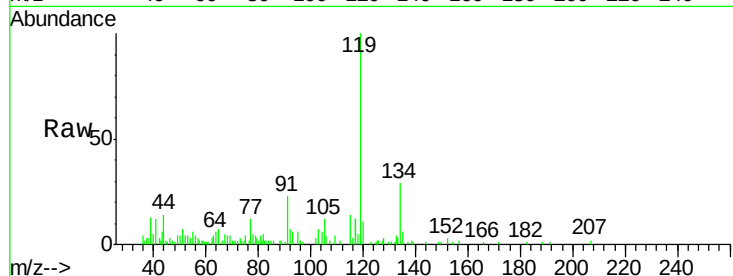
IDW-LIQUID-04

Tot Ion:117 Resp: 1251

Ion Ratio Lower Upper

117 100

201 0.0 44.9 134.7#



#95

Naphthalene

Concen: 0.362 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007495.D

Acq: 12 Feb 2019 18:10

Tgt Ion:128 Resp: 8733

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#

