

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021219\
 Data File : VX007493.D
 Acq On : 12 Feb 2019 17:16
 Operator : JC/SP
 Sample : K1457-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-LIQUID-02

Quant Time: Feb 13 00:13:31 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	543962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	842724	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	777322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	386113	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	285226	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
35) Dibromofluoromethane	5.51	113	263831	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
50) Toluene-d8	8.71	98	996501	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
62) 4-Bromofluorobenzene	11.13	95	361718	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1939	0.316	ug/l #	68
5) Bromomethane	1.65	94	448	Below Cal	#	56
6) Chloroethane	1.75	64	1333	0.343	ug/l #	88
11) Tert butyl alcohol	3.03	59	4070	3.406	ug/l #	73
13) Acrolein	2.29	56	2062	3.680	ug/l #	1
14) Allyl chloride	2.84	41	39572	4.676	ug/l #	58
15) Acrylonitrile	3.17	53	10795	3.652	ug/l #	38
16) Acetone	2.45	43	132958	50.272	ug/l	98
17) Carbon Disulfide	2.57	76	2230	2.278	ug/l #	79
18) Methyl Acetate	2.84	43	101581	15.159	ug/l #	51
25) 2-Butanone	4.70	43	44173	11.736	ug/l	99
31) Cyclohexane	5.59	56	59993	7.472	ug/l #	88
36) 1,1-Dichloropropene	5.67	75	33638	4.449	ug/l #	50
37) Ethyl Acetate	4.70	43	44173	5.779	ug/l #	69
38) Carbon Tetrachloride	5.67	117	48411	6.599	ug/l #	17
39) Methylcyclohexane	7.46	83	142088	15.532	ug/l	99
40) Benzene	6.14	78	9721	0.436	ug/l #	76
41) Methacrylonitrile	5.07	41	1733	0.423	ug/l #	40
43) Isopropyl Acetate	6.47	43	7497	0.635	ug/l #	63
48) Methyl methacrylate	7.73	41	14397	2.440	ug/l #	49
49) 1,4-Dioxane	7.74	88	43	7.197	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	9279	1.195	ug/l	99
52) Toluene	8.79	92	15637	1.088	ug/l	91
55) 1,1,2-Trichloroethane	9.16	97	13929	2.325	ug/l #	18
56) Ethyl methacrylate	9.16	69	2619	0.316	ug/l #	1
59) 2-Hexanone	9.49	43	7996	1.323	ug/l	76
64) Tetrachloroethene	9.34	164	8847	1.208	ug/l	92
67) Ethyl Benzene	10.25	91	44674	1.635	ug/l	94
68) m/p-Xylenes	10.36	106	38029	3.502	ug/l	97
69) o-Xylene	10.70	106	5910	0.566	ug/l	96
73) Isopropylbenzene	11.02	105	36472	1.390	ug/l	98
74) N-amyl acetate	10.91	43	3701	0.365	ug/l #	32
76) 1,2,3-Trichloropropane	11.13	75	170042	22.641	ug/l #	32
78) n-propylbenzene	11.36	91	167434	5.819	ug/l	98

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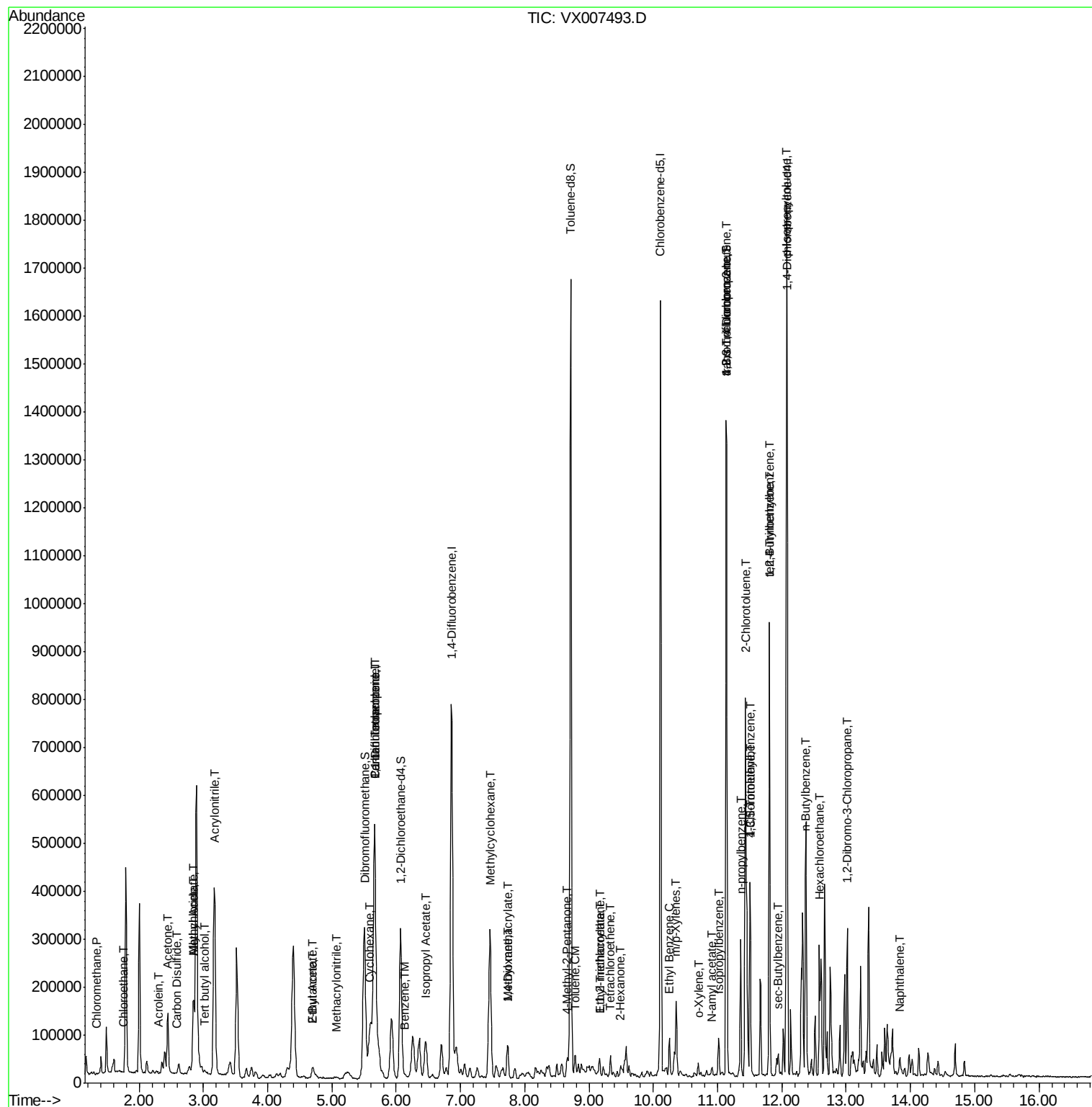
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	11.43	91	65833	3.771	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	170993	7.966	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.13	75	170042	68.291	ug/l #	9
82) 4-Chlorotoluene	11.51	91	18554	0.918	ug/l #	44
83) tert-Butylbenzene	11.80	119	51277	2.413	ug/l #	62
84) 1,2,4-Trimethylbenzene	11.80	105	413319	18.965	ug/l	98
85) sec-Butylbenzene	11.94	105	24269	0.943	ug/l	97
86) p-Isopropyltoluene	12.07	119	15652	0.674	ug/l	90
89) n-Butylbenzene	12.38	91	76151	3.812	ug/l #	21
90) Hexachloroethane	12.58	117	11804	3.397	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	13.02	75	983	0.591	ug/l #	1
95) Naphthalene	13.83	128	25342	0.973	ug/l #	92

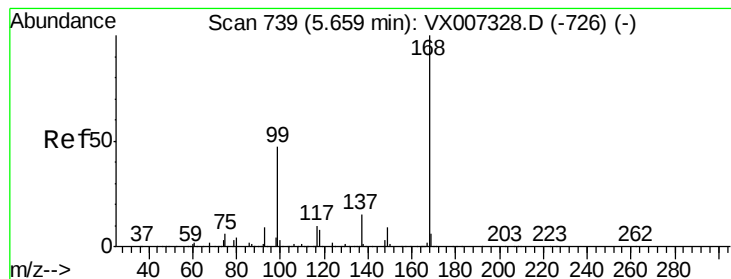
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

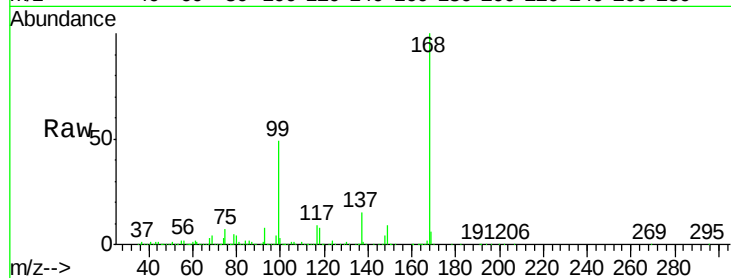
IDW-LIQUID-02

Tot Ion:168 Resp: 543962

Ion Ratio Lower Upper

168 100

99 49.1 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

100000

50000

0

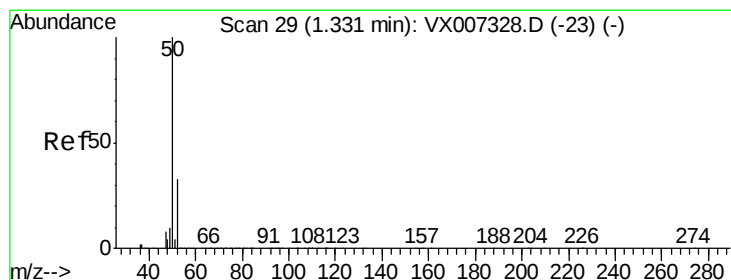
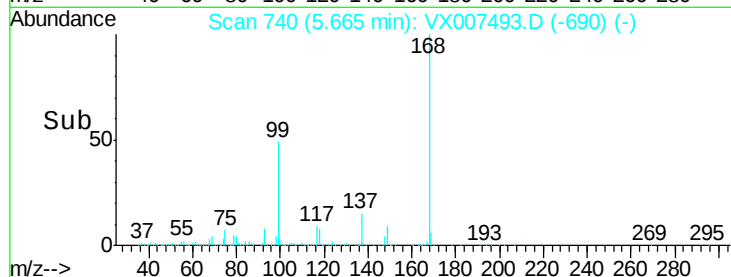
5.67

5.60

5.70

5.80

Time-->



#3

Chloromethane

Concen: 0.316 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007493.D

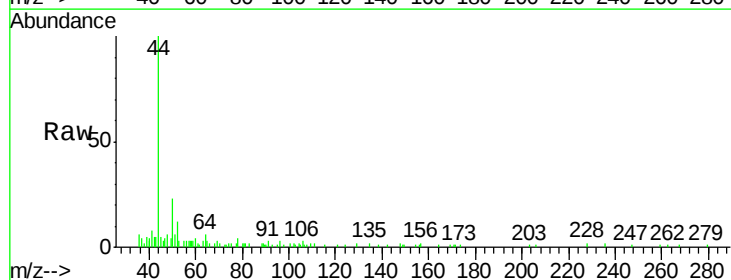
Acq: 12 Feb 2019 17:16

Tgt Ion: 50 Resp: 1939

Ion Ratio Lower Upper

50 100

52 50.7 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1500

1000

500

0

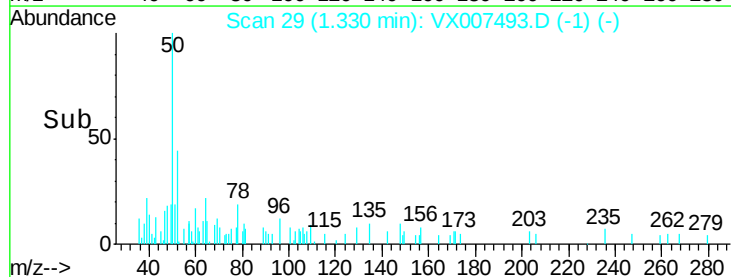
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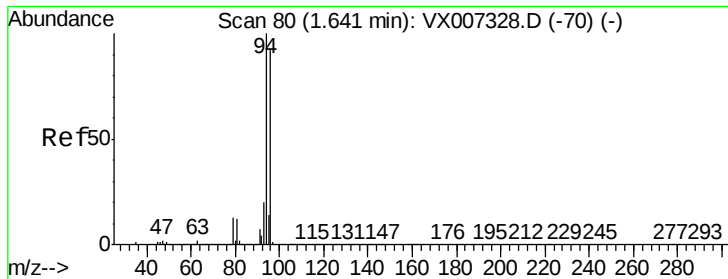
1.30

1.35

1.40

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

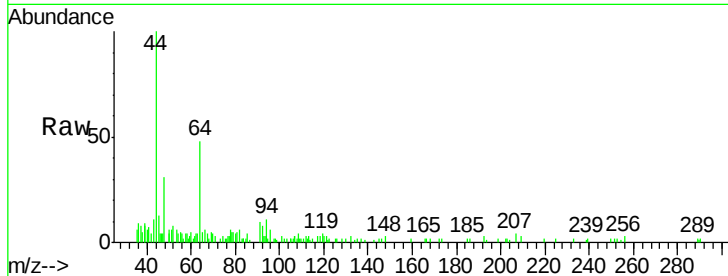
IDW-LIQUID-02

Tot Ion: 94 Resp: 448

Ion Ratio Lower Upper

94 100

96 50.2 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

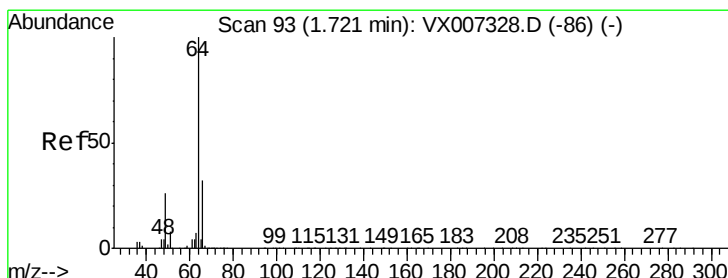
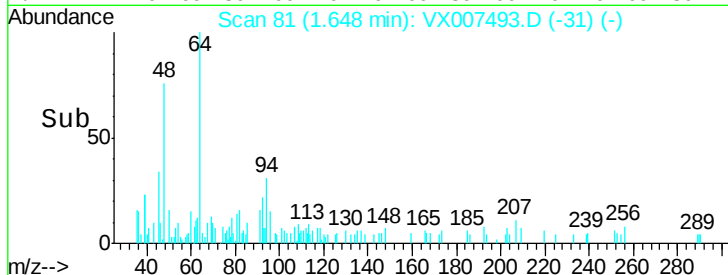
300

200

100

0

Time-->



#6

Chloroethane

Concen: 0.343 ug/l

RT: 1.75 min Scan# 97

Delta R.T. 0.02 min

Lab File: VX007493.D

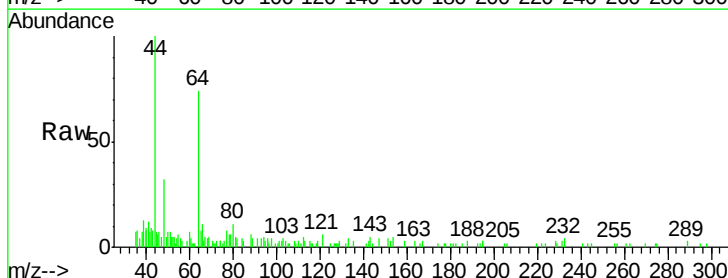
Acq: 12 Feb 2019 17:16

Tgt Ion: 64 Resp: 1333

Ion Ratio Lower Upper

64 100

66 38.5 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

3000

2500

2000

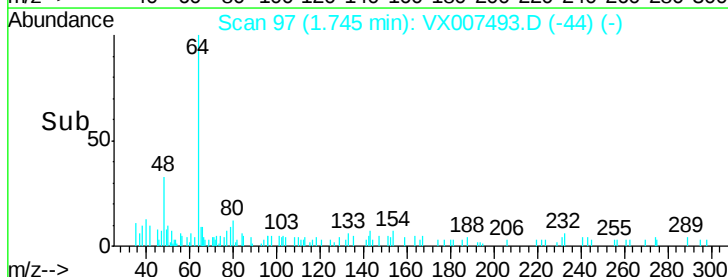
1500

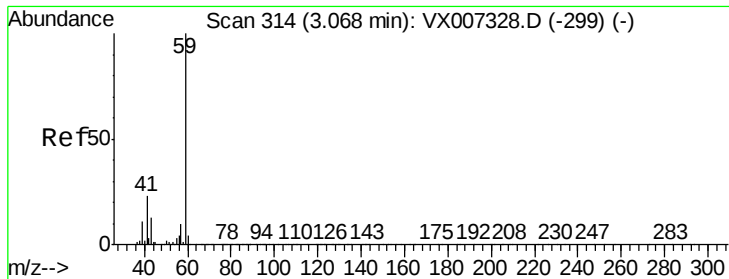
1000

500

0

Time-->



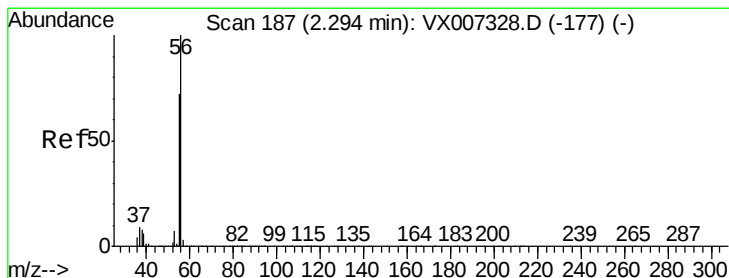
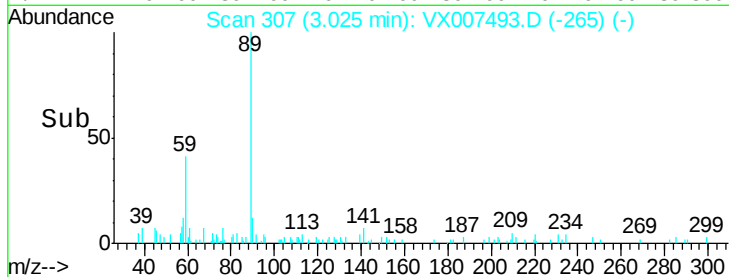
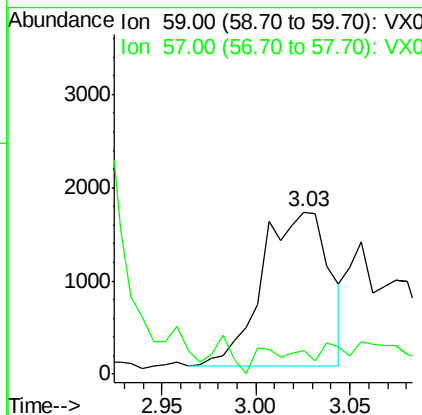
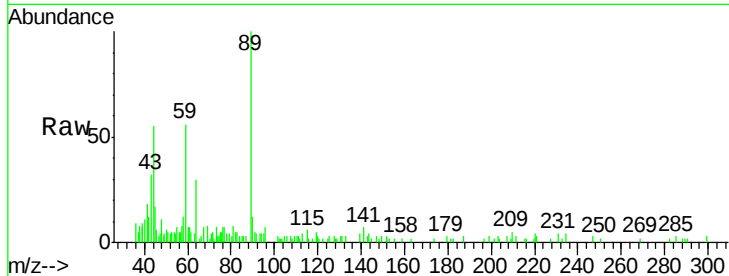


#11

Tert butyl alcohol
 Concen: 3.406 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.04 min
 Lab File: VX007493.D
 Acq: 12 Feb 2019 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-LIQUID-02

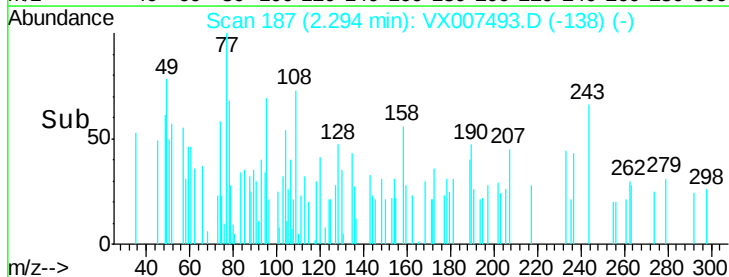
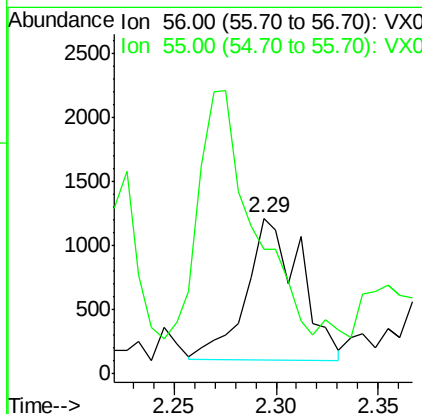
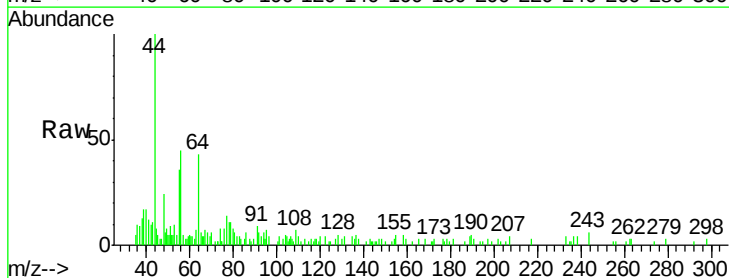
Tot Ion: 59 Resp: 4070
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

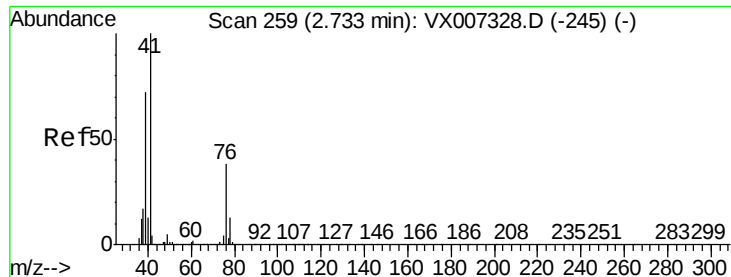


#13

Acrolein
 Concen: 3.680 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX007493.D
 Acq: 12 Feb 2019 17:16

Tgt Ion: 56 Resp: 2062
 Ion Ratio Lower Upper
 56 100
 55 172.3 56.9 85.3#





#14

Allvl chloride

Concen: 4.676 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.11 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

IDW-LIQUID-02

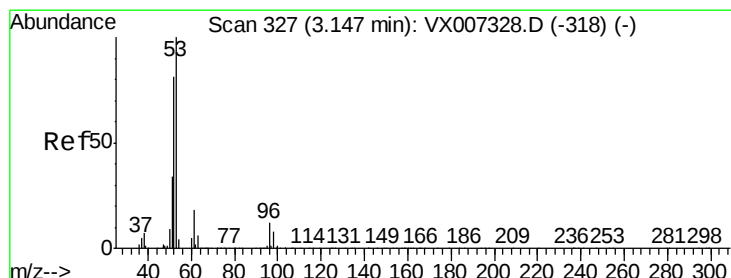
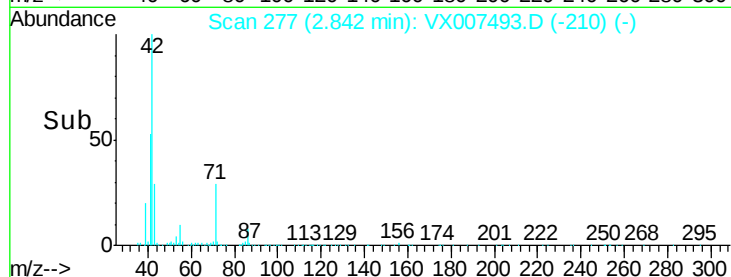
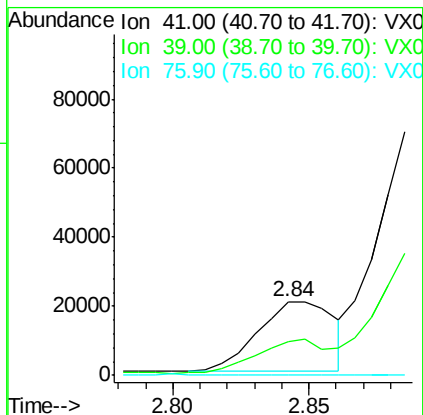
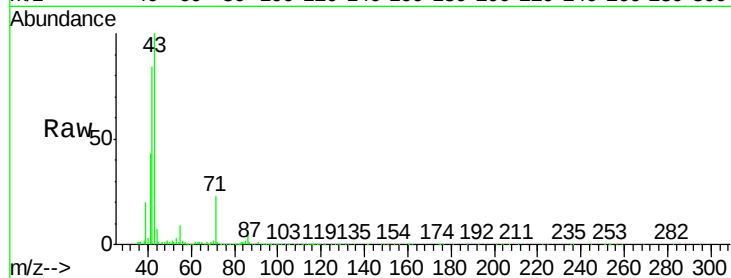
Tot Ion: 41 Resp: 39572

Ion Ratio Lower Upper

41 100

39 40.0 54.1 81.1#

76 1.0 27.8 41.8#



#15

Acrylonitrile

Concen: 3.652 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.02 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

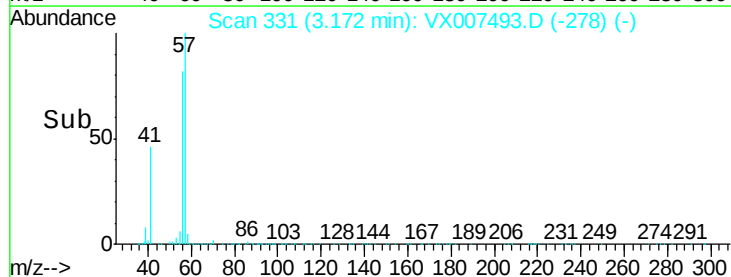
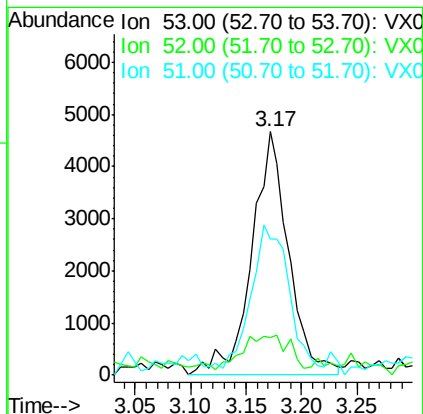
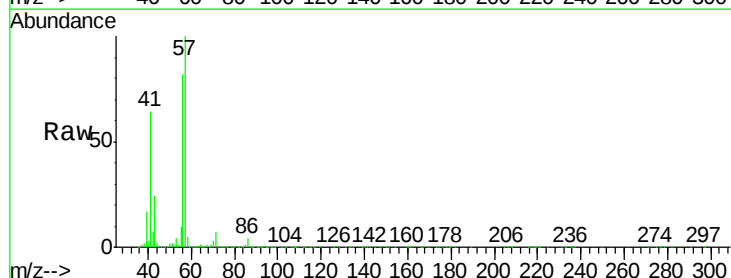
Tgt Ion: 53 Resp: 10795

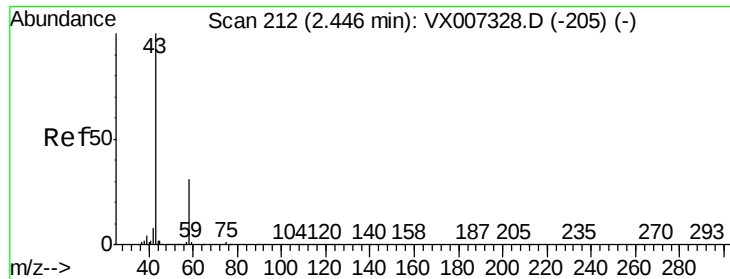
Ion Ratio Lower Upper

53 100

52 17.6 66.4 99.6#

51 56.7 28.4 42.6#





#16

Acetone

Concen: 50.272 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

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ClientSampleId :

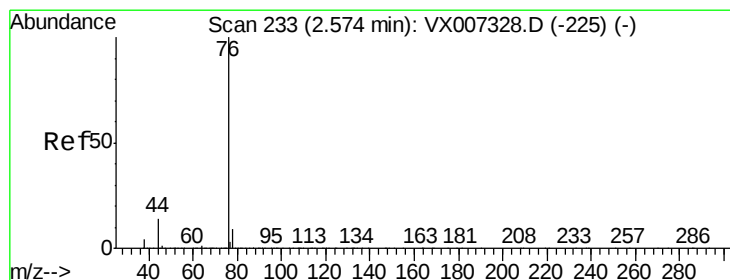
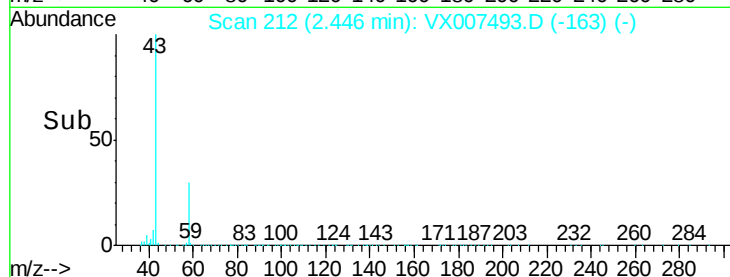
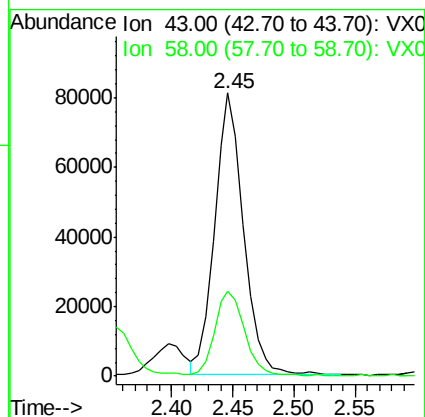
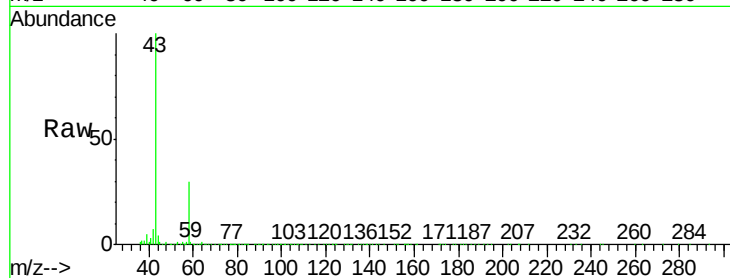
IDW-LIQUID-02

Tot Ion: 43 Resp: 132958

Ion Ratio Lower Upper

43 100

58 29.8 24.9 37.3



#17

Carbon Disulfide

Concen: 2.278 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007493.D

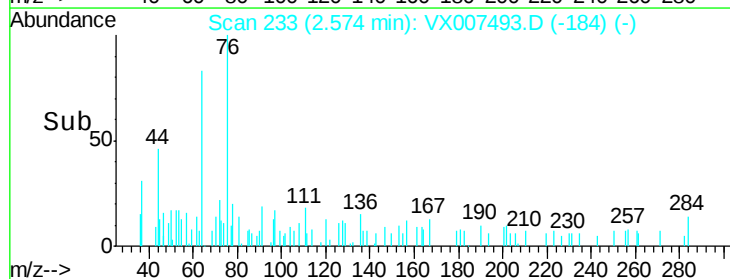
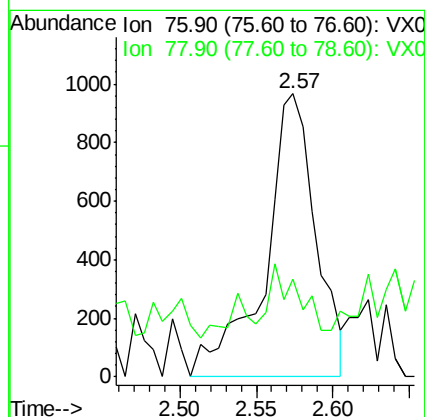
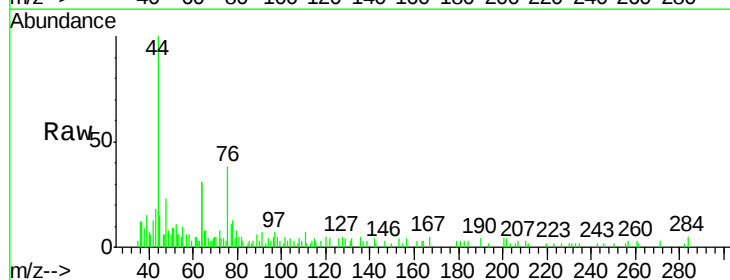
Acq: 12 Feb 2019 17:16

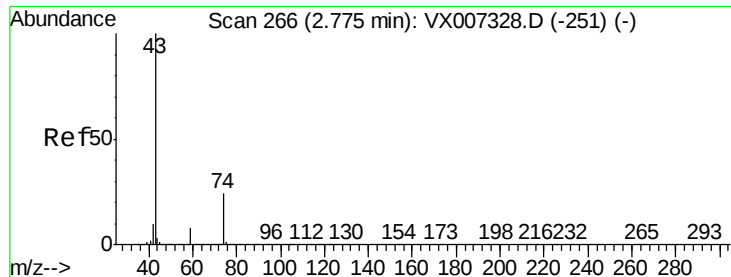
Tgt Ion: 76 Resp: 2230

Ion Ratio Lower Upper

76 100

78 16.4 7.1 10.7#

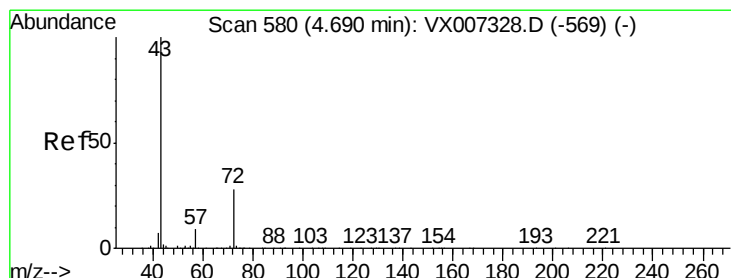
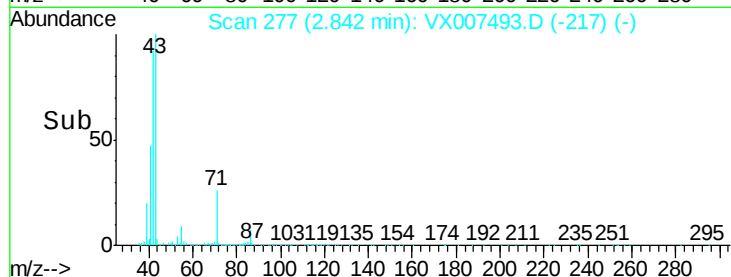
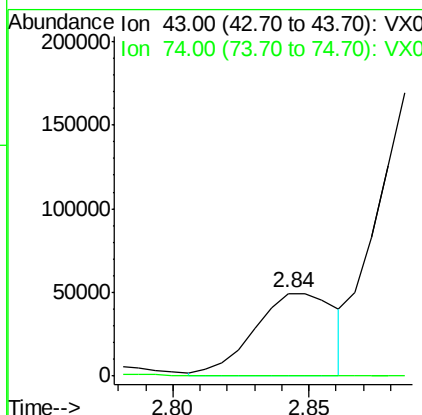
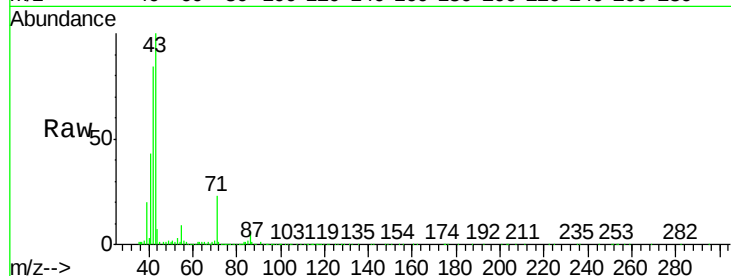




#18
Methyl Acetate
Concen: 15.159 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.07 min
Lab File: VX007493.D
Acq: 12 Feb 2019 17:16

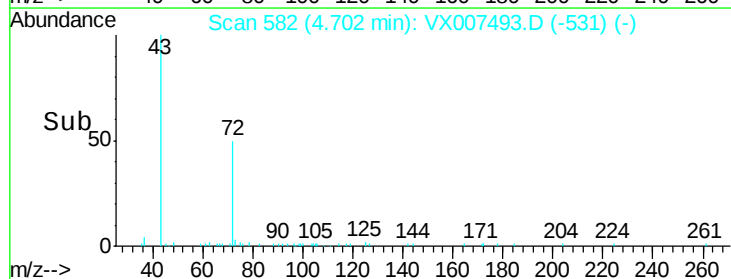
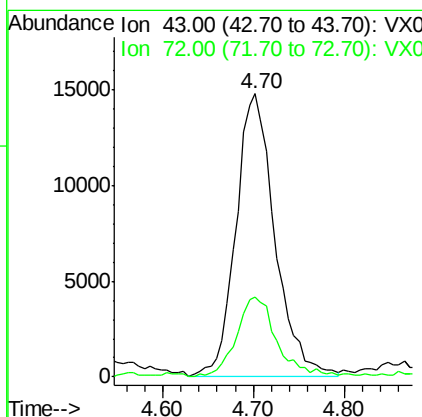
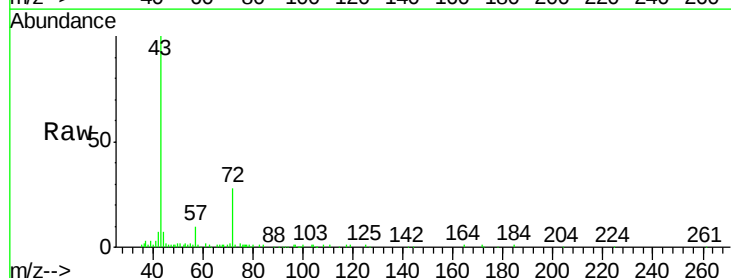
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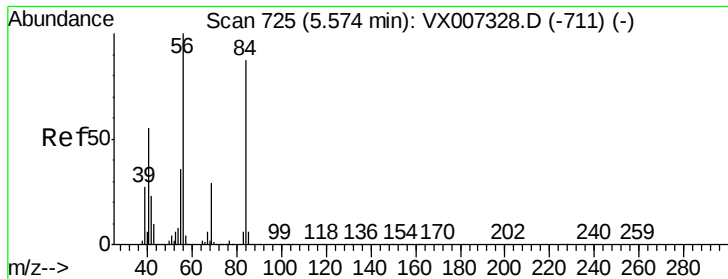
Tot Ion: 43 Resp: 101581
Ion Ratio Lower Upper
43 100
74 0.2 19.4 29.2#



#25
2-Butanone
Concen: 11.736 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX007493.D
Acq: 12 Feb 2019 17:16

Tgt Ion: 43 Resp: 44173
Ion Ratio Lower Upper
43 100
72 28.1 22.2 33.2





#31

Cyclohexane

Concen: 7.472 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

IDW-LIQUID-02

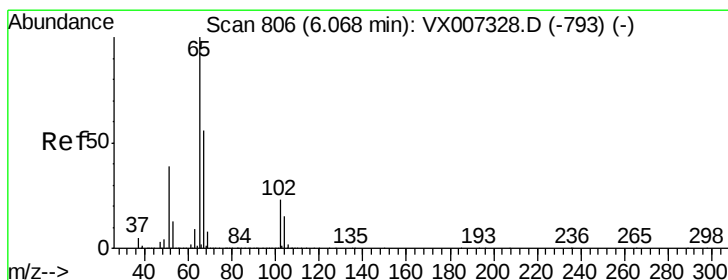
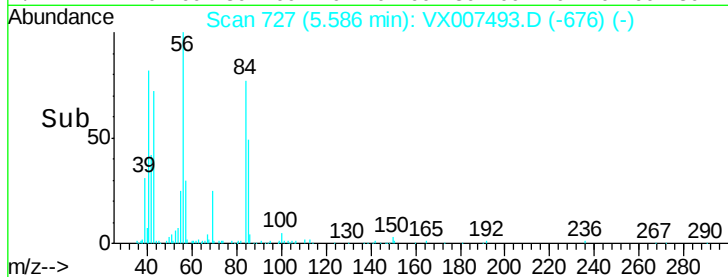
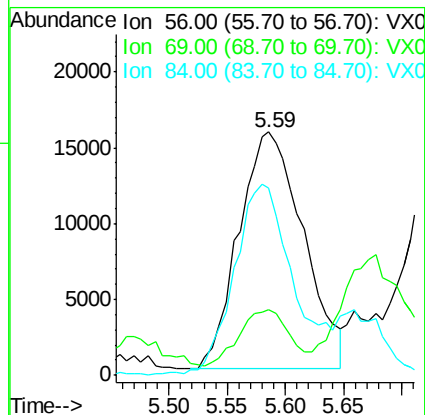
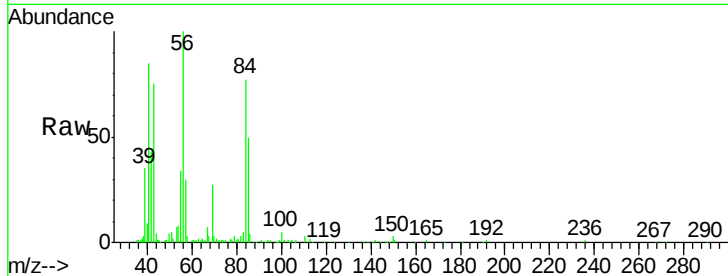
Tot Ion: 56 Resp: 59993

Ion Ratio Lower Upper

56 100

69 22.7 23.0 34.6#

84 76.5 69.8 104.6



#33

1,2-Dichloroethane-d4

Concen: 49.401 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007493.D

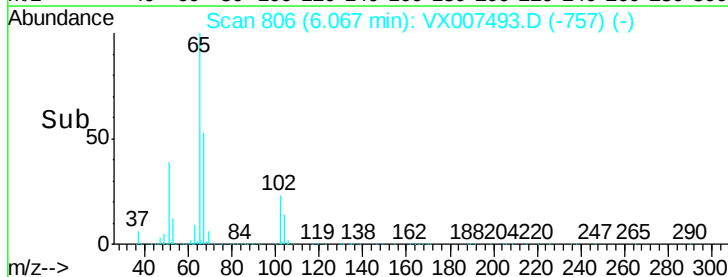
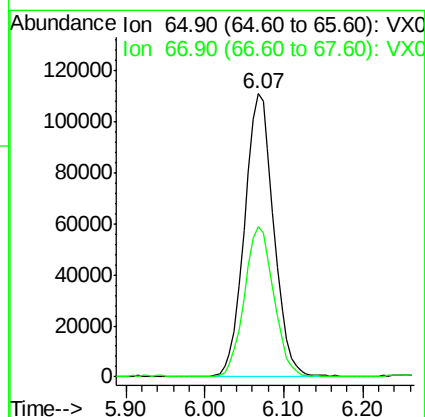
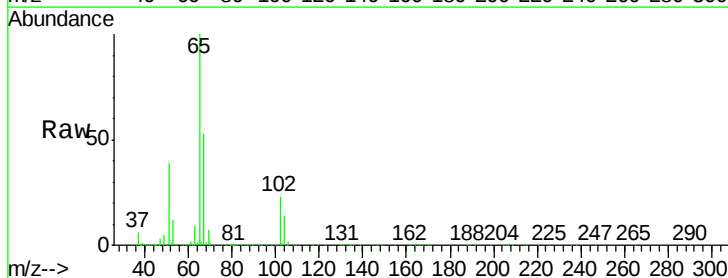
Acq: 12 Feb 2019 17:16

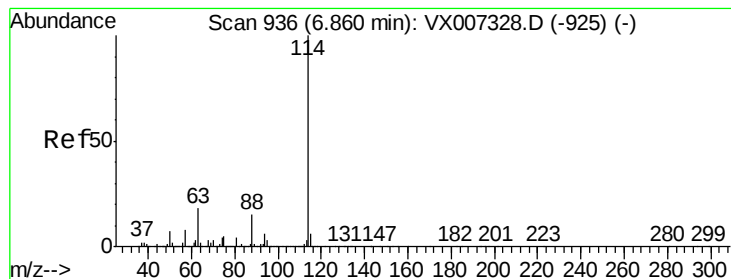
Tgt Ion: 65 Resp: 285226

Ion Ratio Lower Upper

65 100

67 53.5 0.0 108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

IDW-LIQUID-02

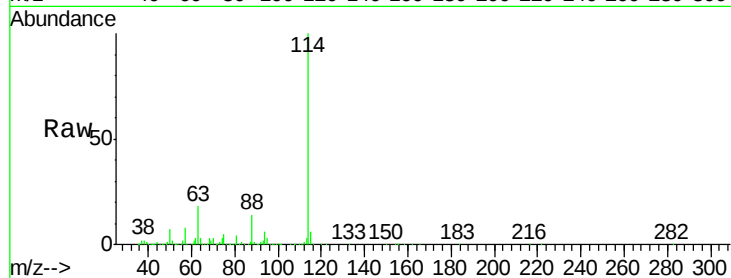
Tot Ion:114 Resp: 842724

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.6

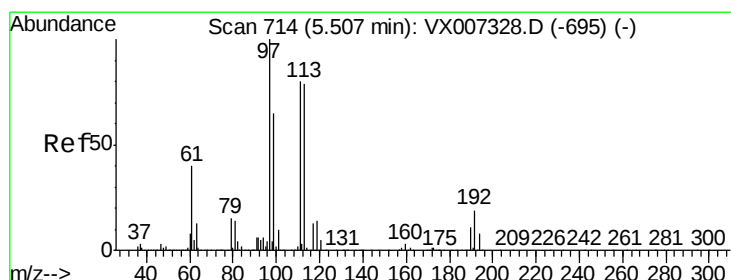
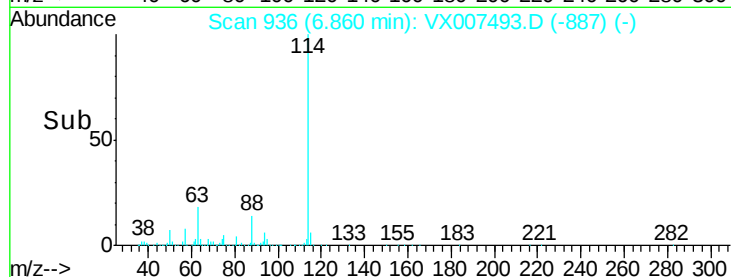
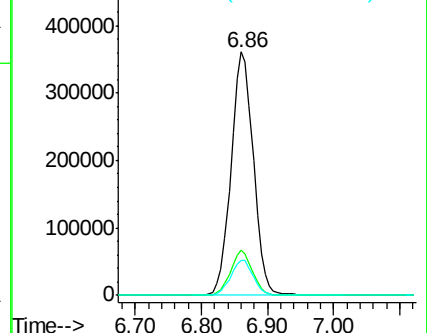
88 14.5 0.0 29.6



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: 48.115 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

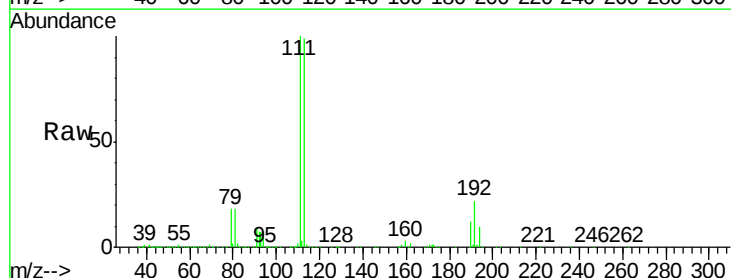
Tgt Ion:113 Resp: 263831

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

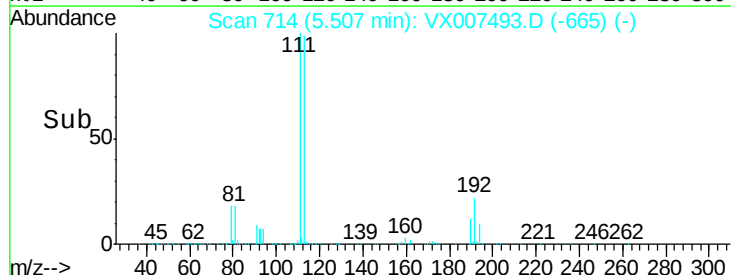
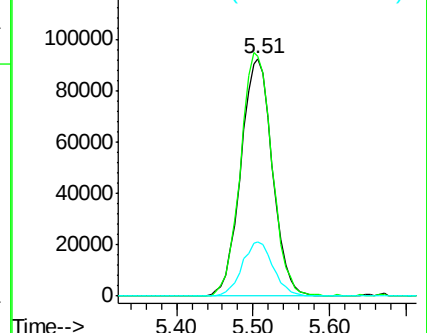
192 22.6 18.5 27.7

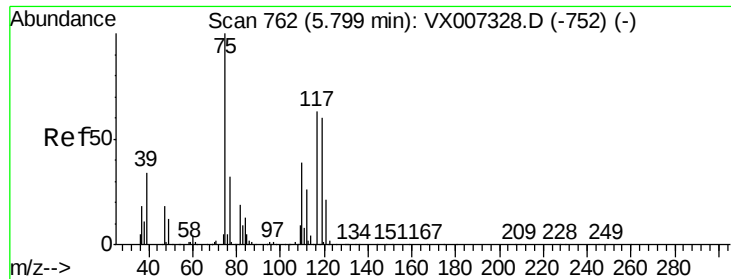


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.449 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

IDW-LIQUID-02

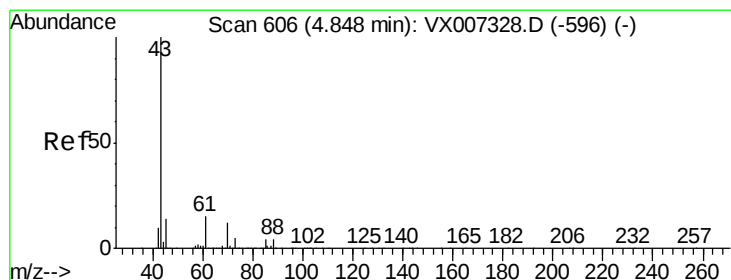
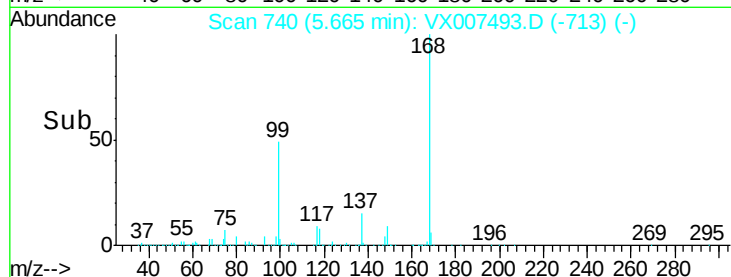
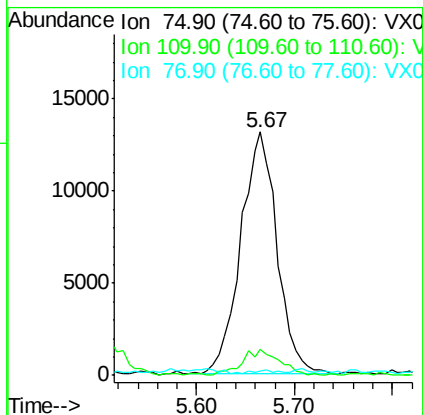
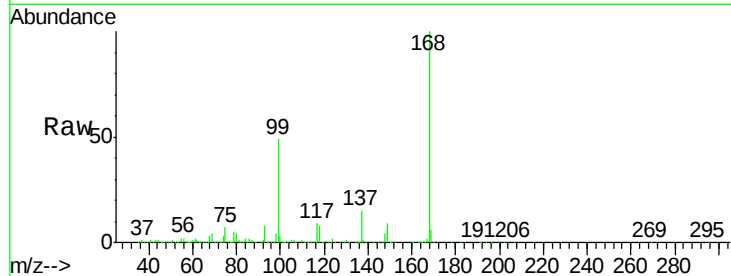
Tot Ion: 75 Resp: 33638

Ion Ratio Lower Upper

75 100

110 11.2 20.0 59.9#

77 0.8 24.7 37.1#



#37

Ethyl Acetate

Concen: 5.779 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.15 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

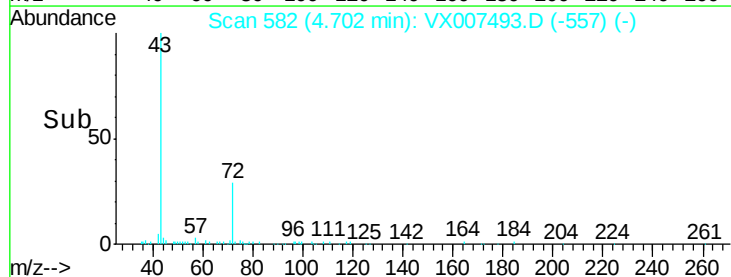
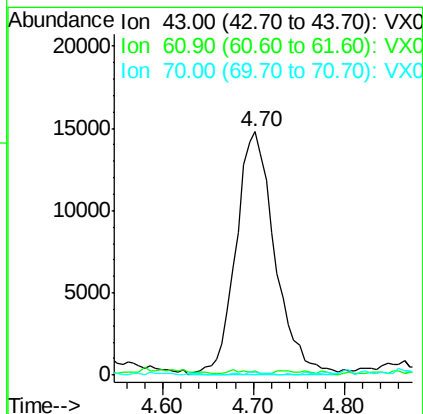
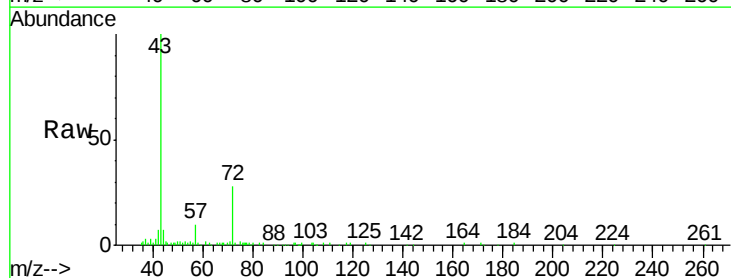
Tgt Ion: 43 Resp: 44173

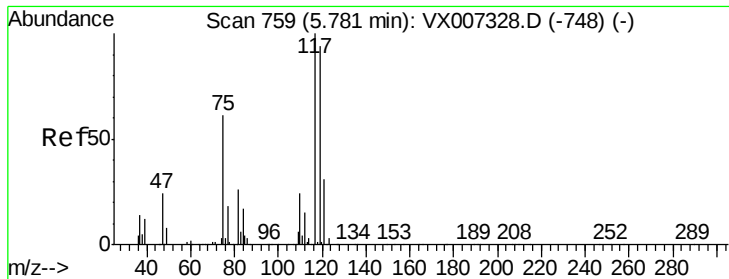
Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

70 0.8 8.6 13.0#





#38

Carbon Tetrachloride

Concen: 6.599 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

IDW-LIQUID-02

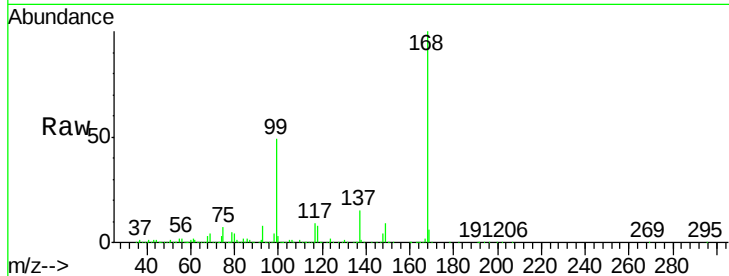
Tot Ion:117 Resp: 48411

Ion Ratio Lower Upper

117 100

119 5.0 75.3 112.9#

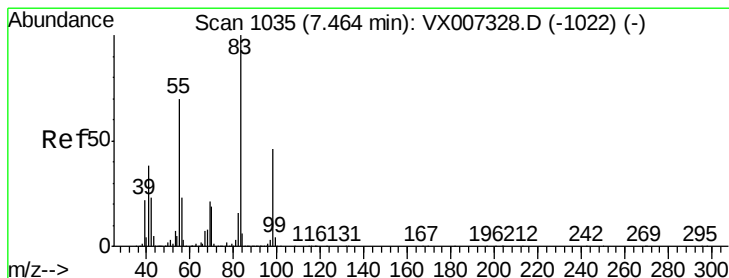
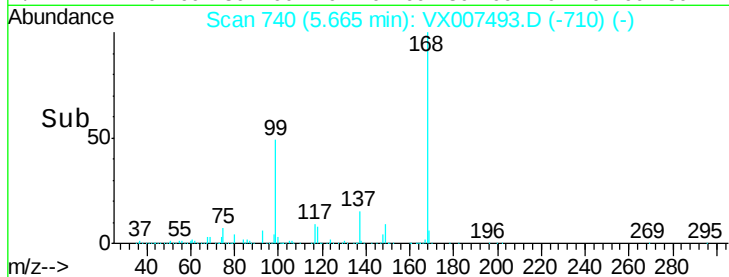
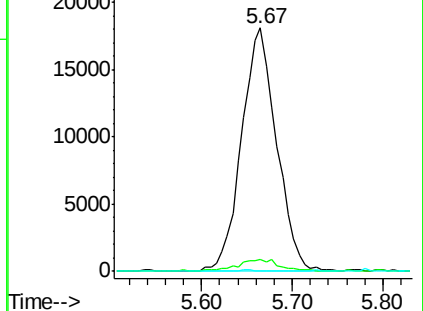
121 0.0 25.0 37.4#



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



#39

Methylcyclohexane

Concen: 15.532 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

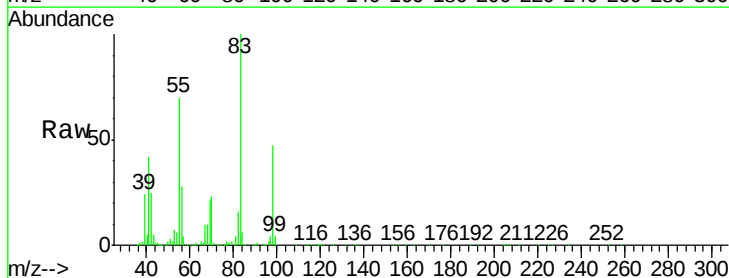
Tgt Ion: 83 Resp: 142088

Ion Ratio Lower Upper

83 100

55 69.8 56.2 84.2

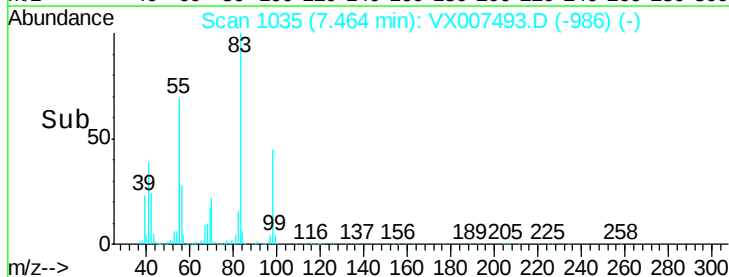
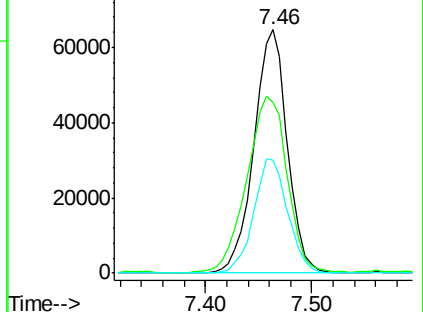
98 46.6 36.8 55.2

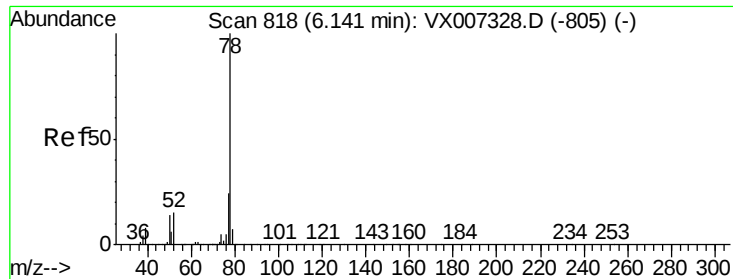


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.436 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

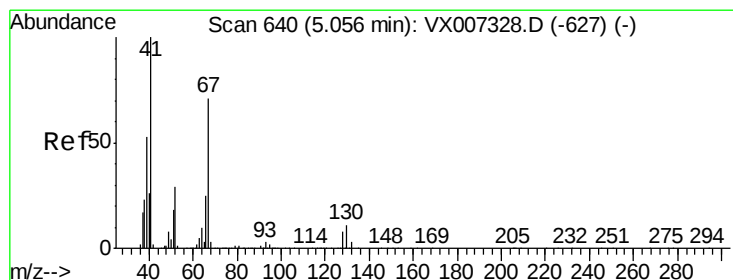
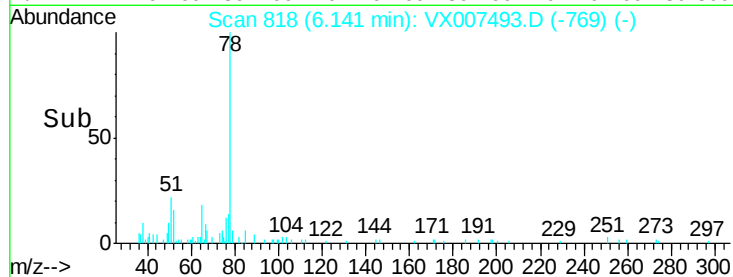
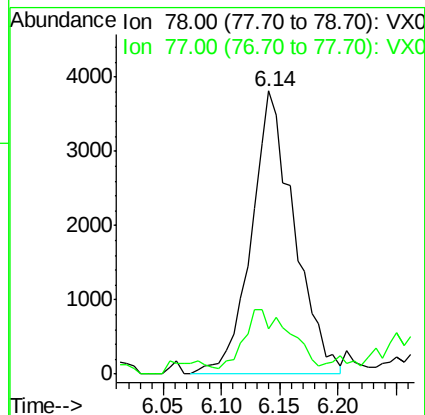
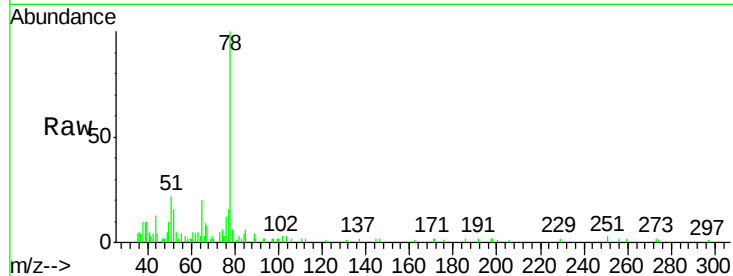
IDW-LIQUID-02

Tot Ion: 78 Resp: 9721

Ion Ratio Lower Upper

78 100

77 12.3 19.3 28.9#



#41

Methacrylonitrile

Concen: 0.423 ug/l

RT: 5.07 min Scan# 642

Delta R.T. 0.01 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Tgt Ion: 41 Resp: 1733

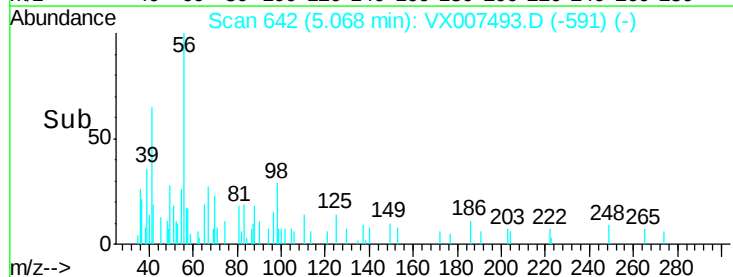
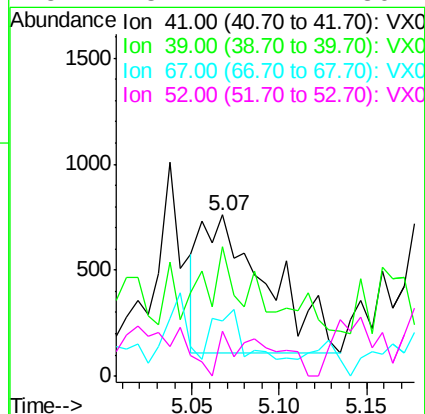
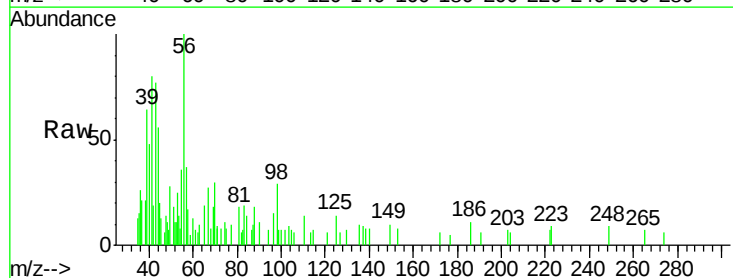
Ion Ratio Lower Upper

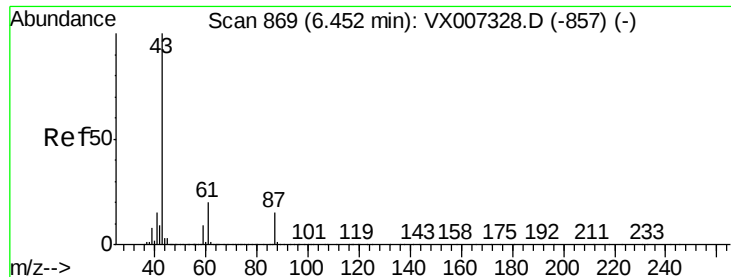
41 100

39 3.8 44.5 66.7#

67 15.2 60.4 90.6#

52 23.4 24.1 36.1#





#43

Isopropyl Acetate

Concen: 0.635 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.02 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

IDW-LIQUID-02

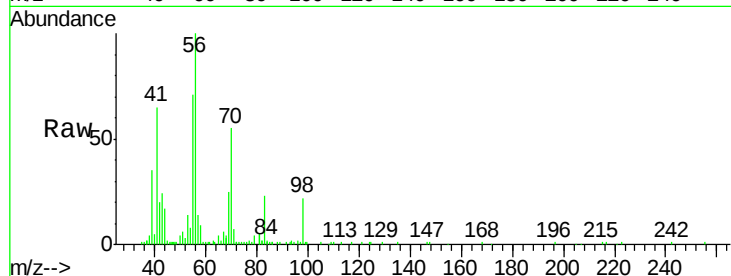
Tot Ion: 43 Resp: 7497

Ion Ratio Lower Upper

43 100

61 2.5 16.1 24.1#

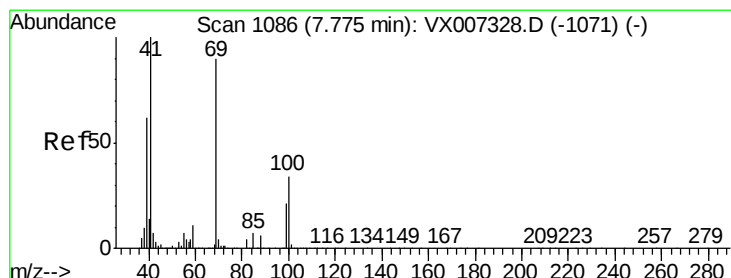
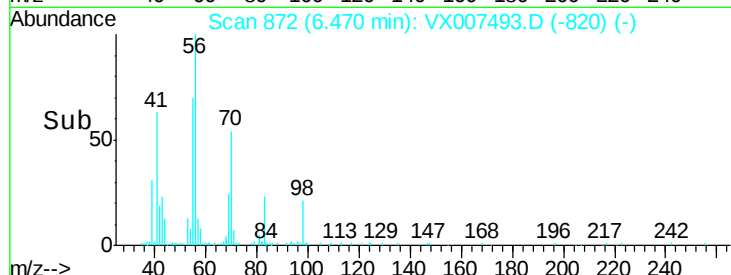
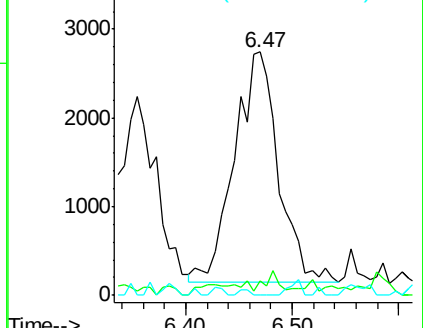
87 0.0 11.5 17.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 2.440 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.04 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

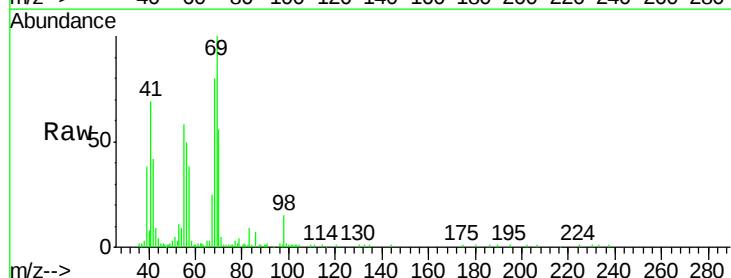
Tgt Ion: 41 Resp: 14397

Ion Ratio Lower Upper

41 100

69 159.4 70.2 105.4#

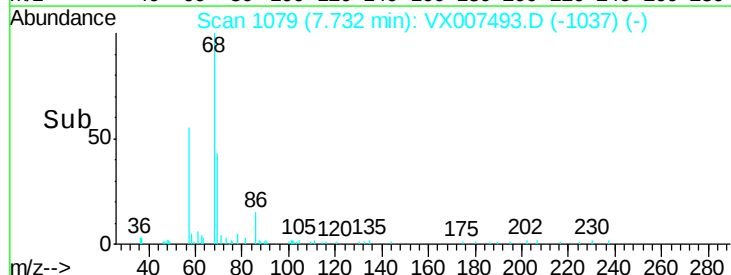
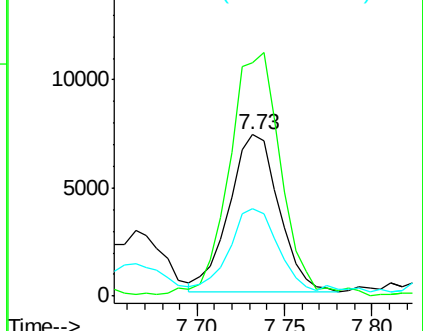
39 49.8 47.4 71.0

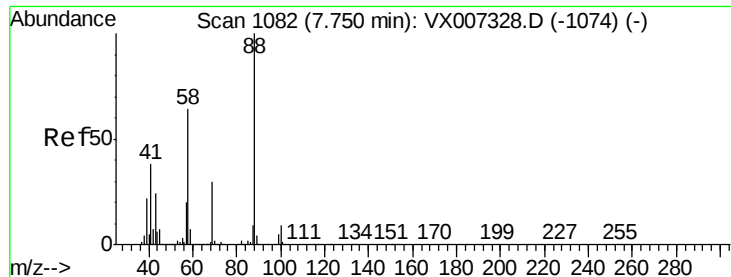


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 7.197 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampled :

IDW-LIQUID-02

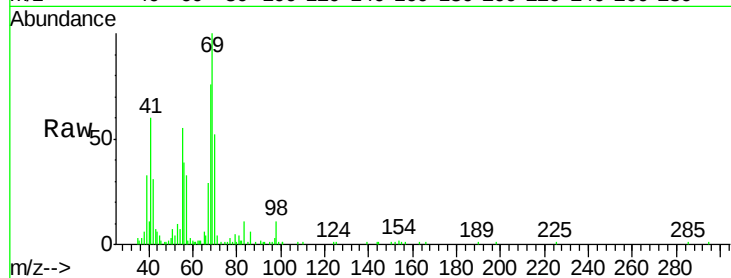
Tot Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

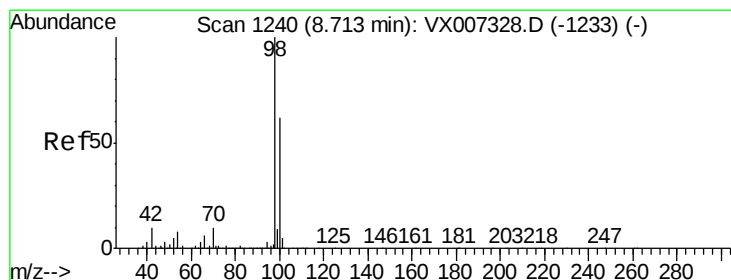
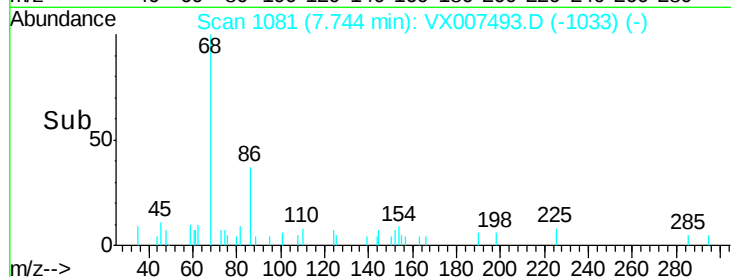
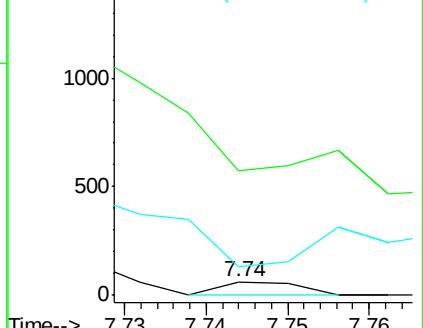
58 451.2 53.0 79.4#



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: 48.983 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007493.D

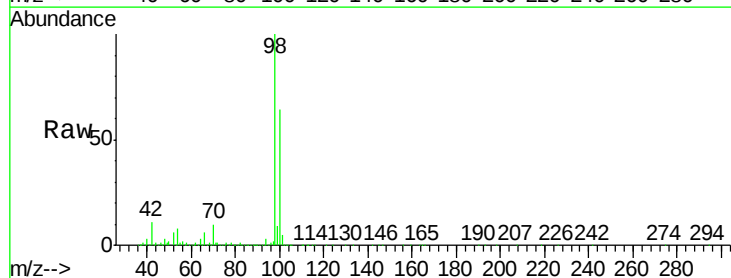
Acq: 12 Feb 2019 17:16

Tgt Ion: 98 Resp: 996501

Ion Ratio Lower Upper

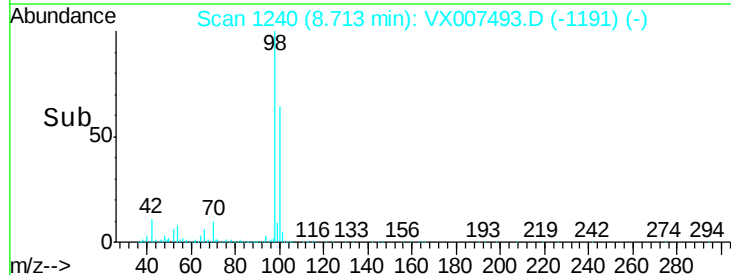
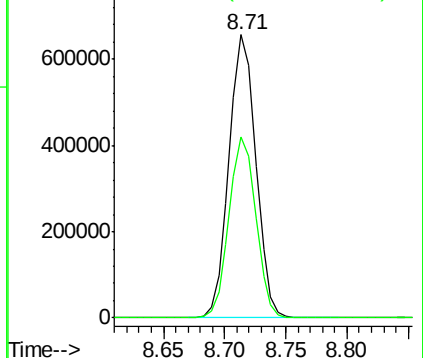
98 100

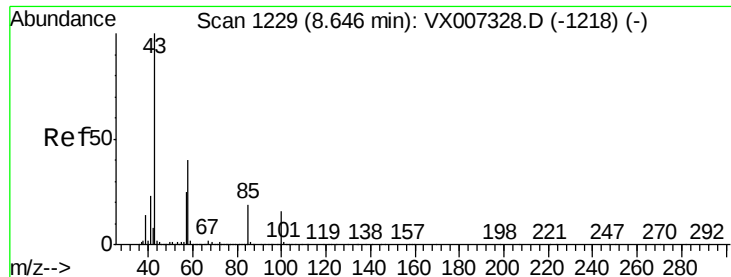
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

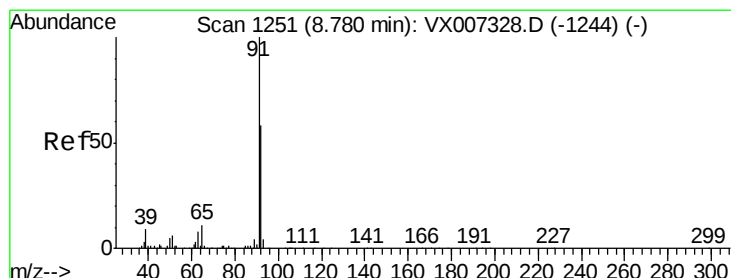
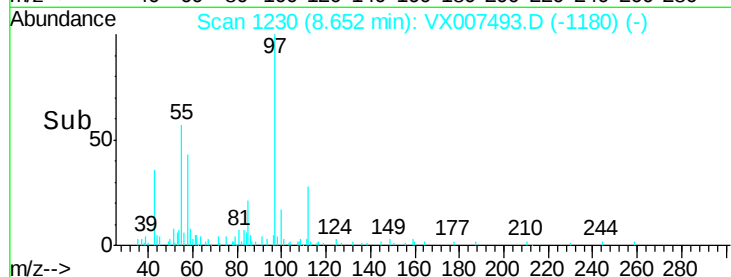
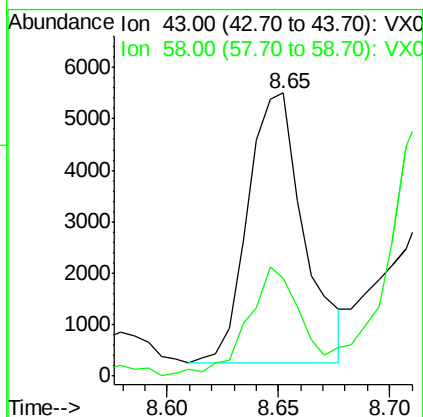
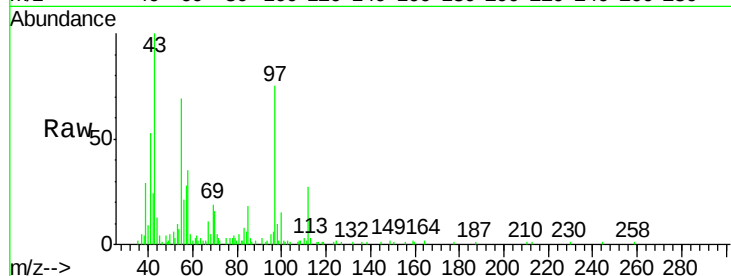




#51
4-Methyl-2-Pentanone
Concen: 1.195 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VX007493.D
Acq: 12 Feb 2019 17:16

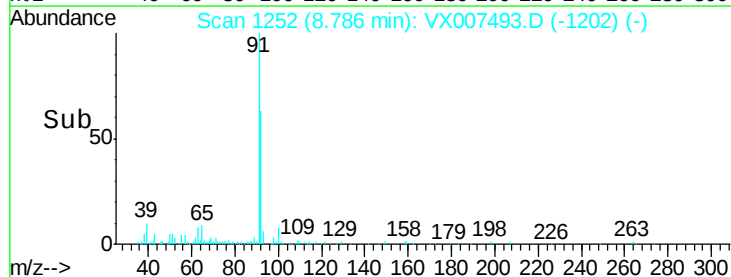
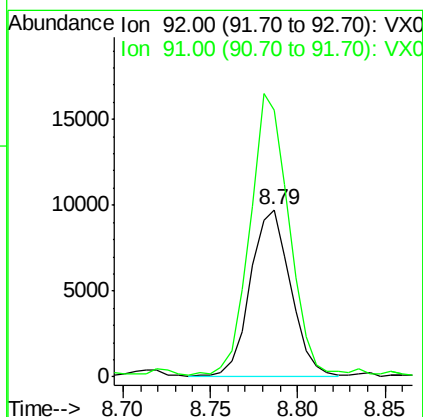
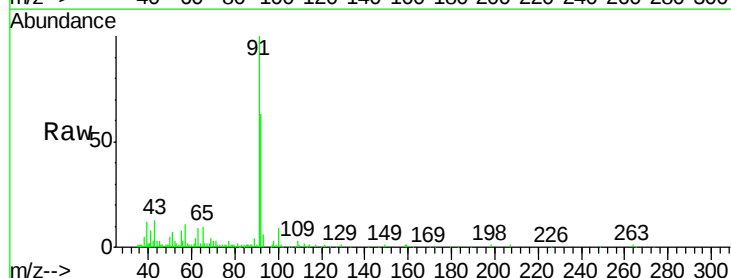
Instrument :
MSVOA_X
ClientSampleId :
IDW-LIQUID-02

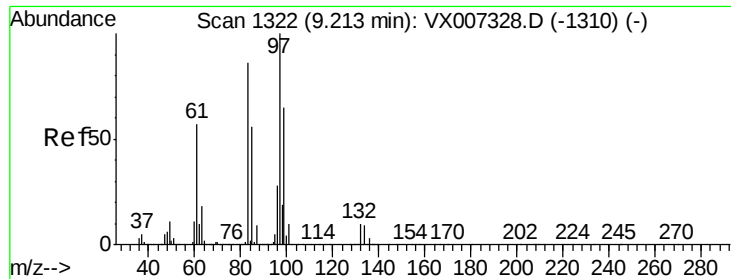
Tot Ion: 43 Resp: 9279
Ion Ratio Lower Upper
43 100
58 38.3 31.2 46.8



#52
Toluene
Concen: 1.088 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX007493.D
Acq: 12 Feb 2019 17:16

Tgt Ion: 92 Resp: 15637
Ion Ratio Lower Upper
92 100
91 161.6 139.1 208.7





#55

1,1,2-Trichloroethane

Concen: 2.325 ug/l

RT: 9.16 min Scan# 1313

Delta R.T. -0.05 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampled :

IDW-LIQUID-02

Tot Ion: 97 Resp: 13929

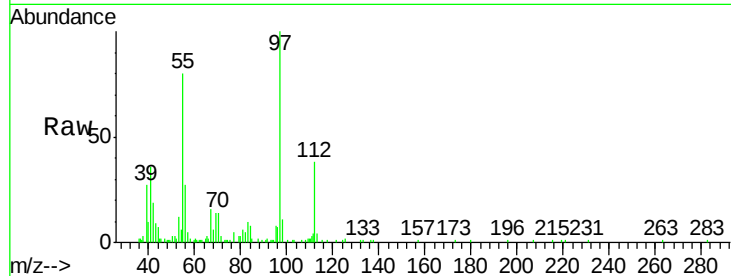
Ion Ratio Lower Upper

97 100

83 5.9 68.6 102.8#

85 2.0 44.5 66.7#

99 0.0 52.2 78.4#

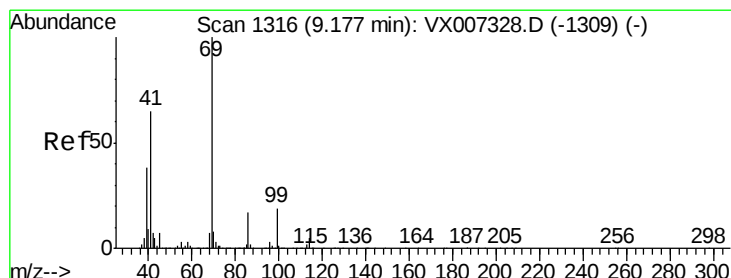
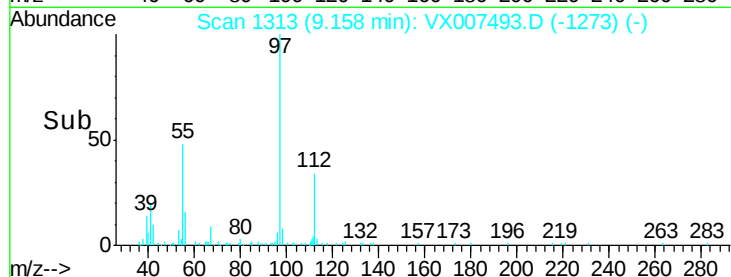
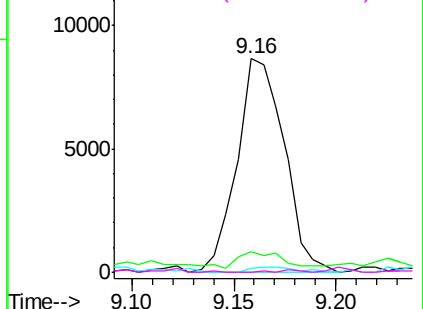


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 0.316 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

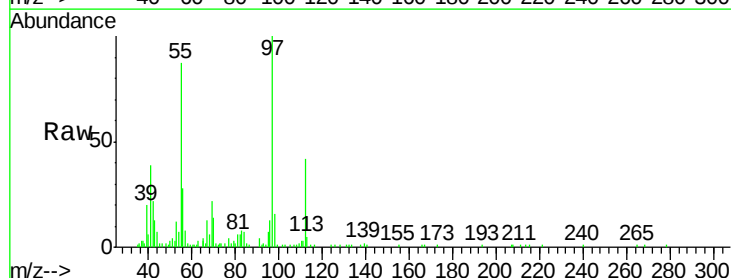
Tgt Ion: 69 Resp: 2619

Ion Ratio Lower Upper

69 100

41 171.9 52.1 78.1#

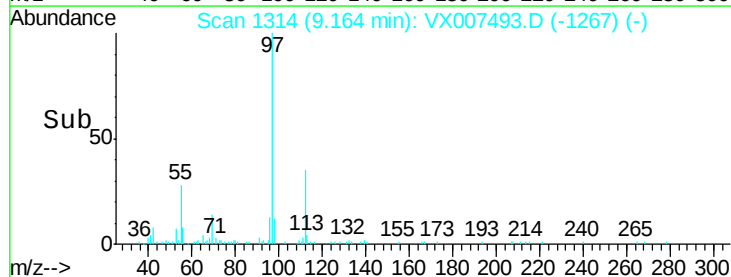
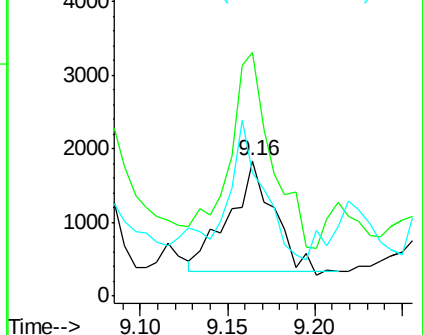
39 111.6 30.1 45.1#

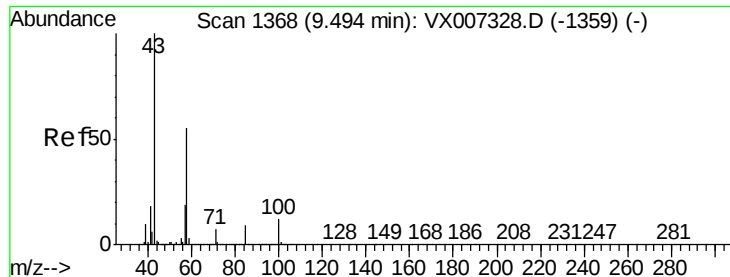


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

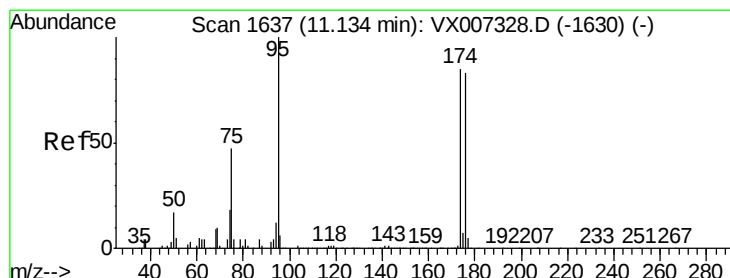
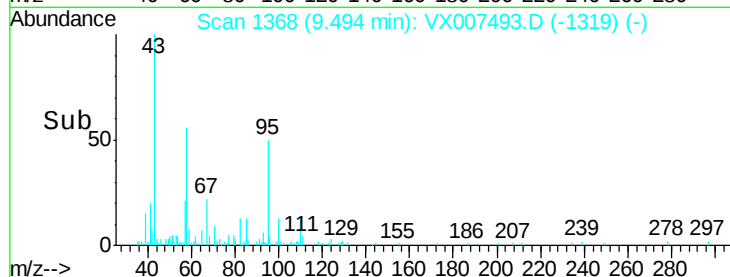
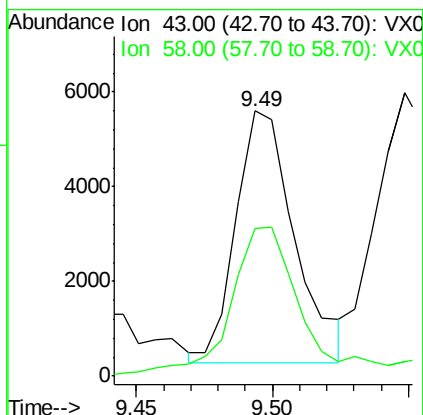
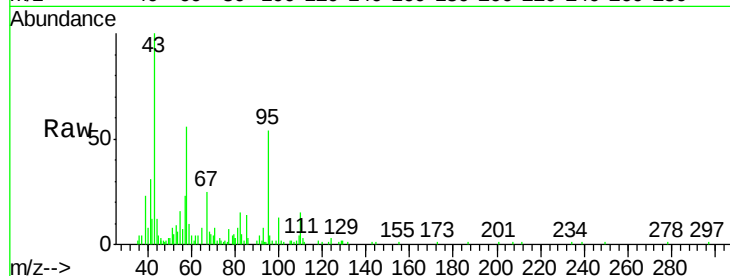




#59
2-Hexanone
Concen: 1.323 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007493.D
Acq: 12 Feb 2019 17:16

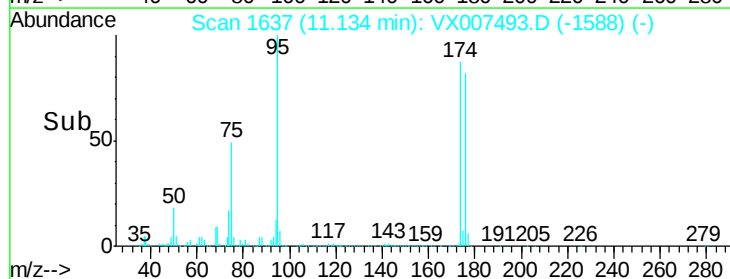
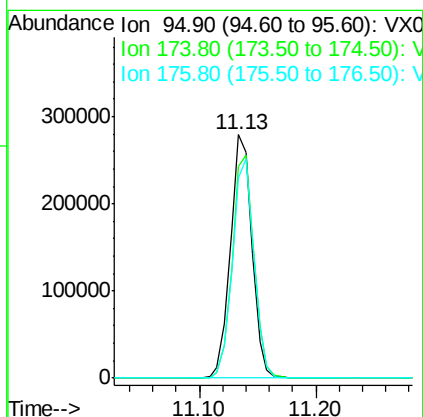
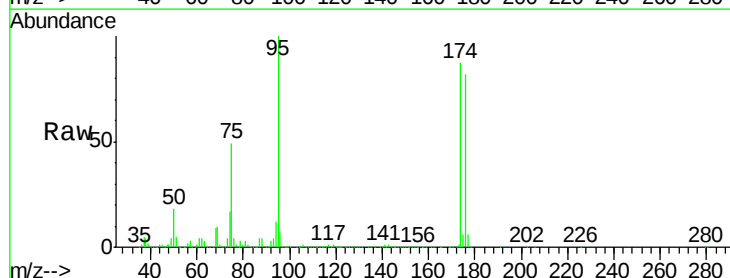
Instrument :
MSVOA_X
ClientSampleId :
IDW-LIQUID-02

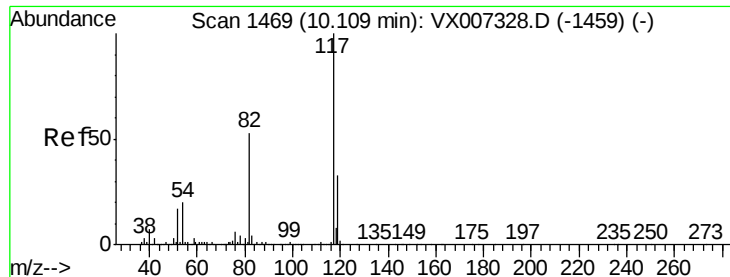
Tot Ion: 43 Resp: 7996
Ion Ratio Lower Upper
43 100
58 71.4 27.1 81.3



#62
4-Bromofluorobenzene
Concen: 48.699 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007493.D
Acq: 12 Feb 2019 17:16

Tgt Ion: 95 Resp: 361718
Ion Ratio Lower Upper
95 100
174 92.2 0.0 189.2
176 89.5 0.0 186.2

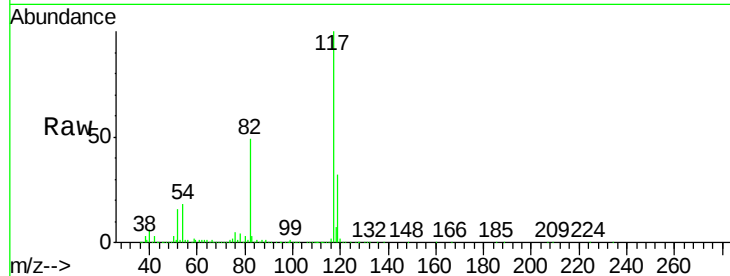




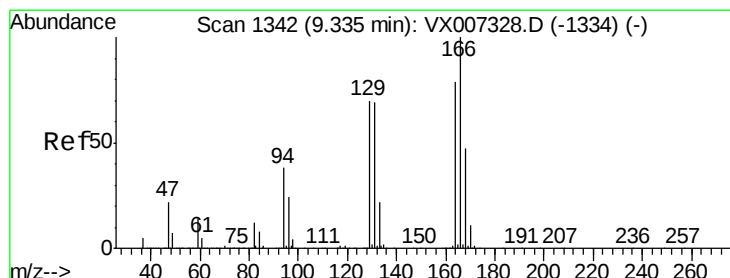
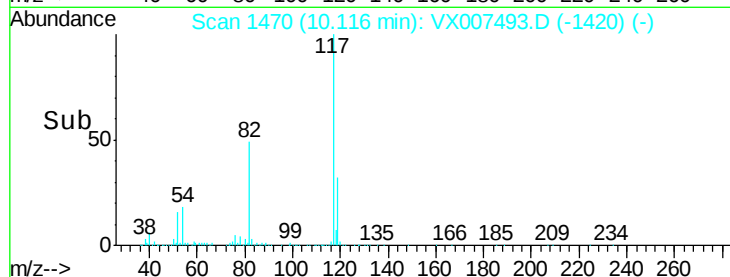
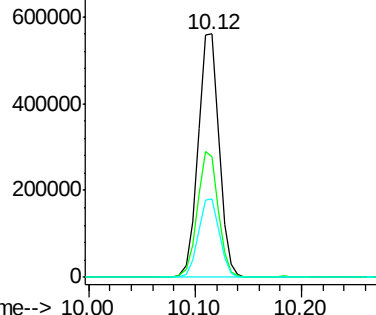
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007493.D
Acq: 12 Feb 2019 17:16

Instrument :
MSVOA_X
ClientSampleId :
IDW-LIQUID-02

Tot Ion:117 Resp: 777322
Ion Ratio Lower Upper
117 100
82 49.3 42.1 63.1
119 32.4 26.5 39.7



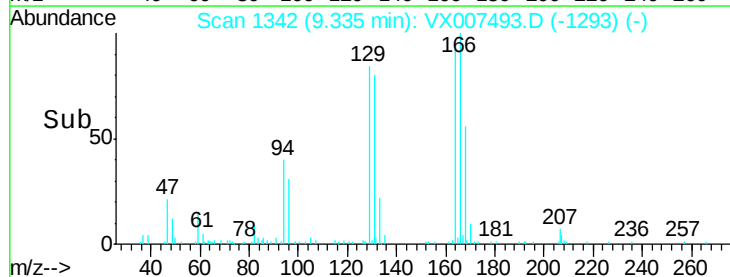
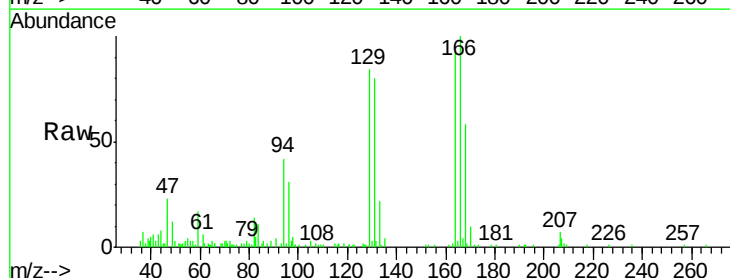
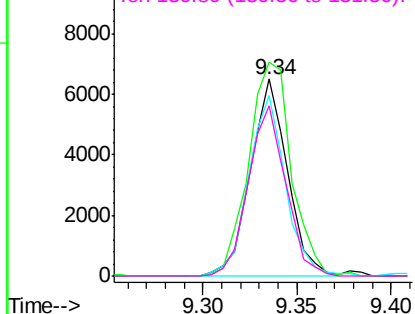
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

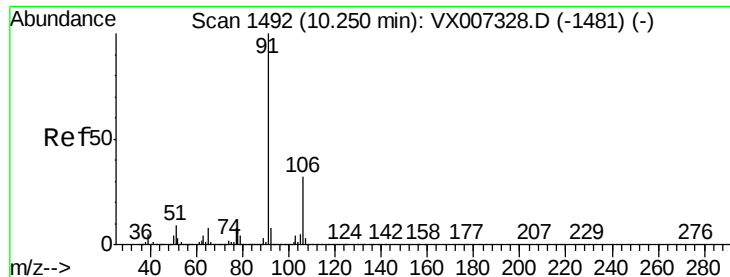


#64
Tetrachloroethene
Concen: 1.208 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007493.D
Acq: 12 Feb 2019 17:16

Tgt Ion:164 Resp: 8847
Ion Ratio Lower Upper
164 100
166 108.6 101.0 151.4
129 91.4 70.5 105.7
131 86.8 69.8 104.6

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





#67

Ethyl Benzene

Concen: 1.635 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

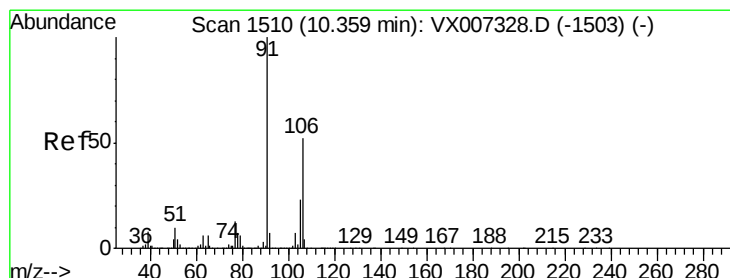
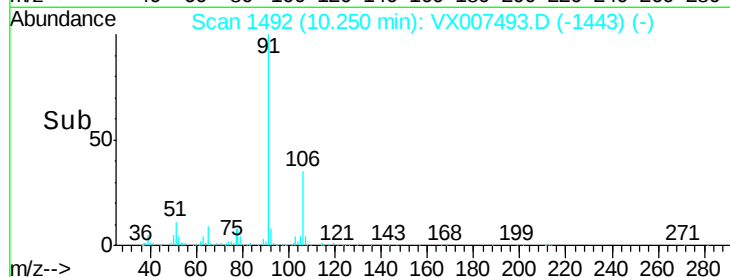
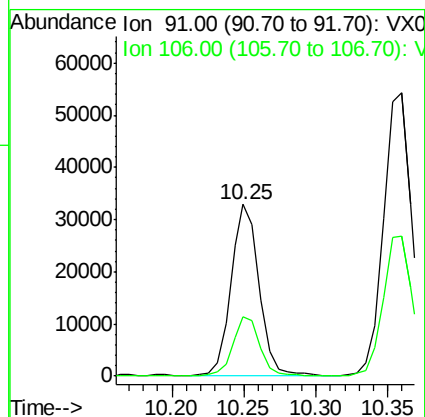
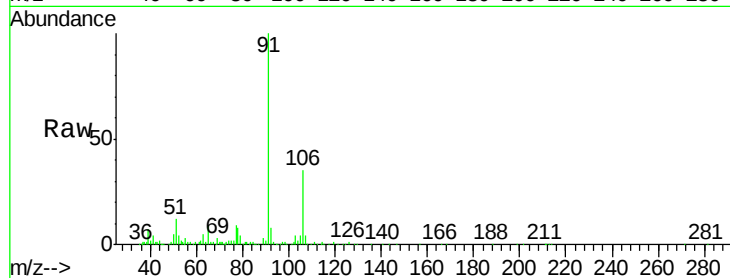
IDW-LIQUID-02

Tot Ion: 91 Resp: 44674

Ion Ratio Lower Upper

91 100

106 34.8 25.4 38.0



#68

m/p-Xylenes

Concen: 3.502 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007493.D

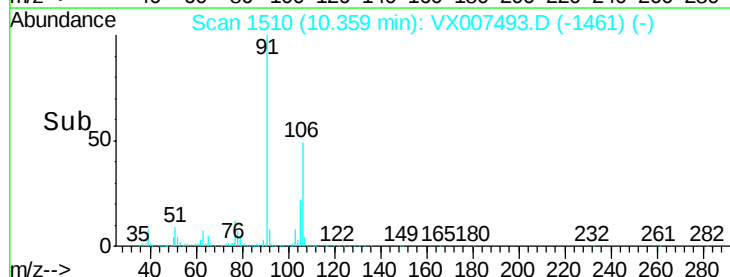
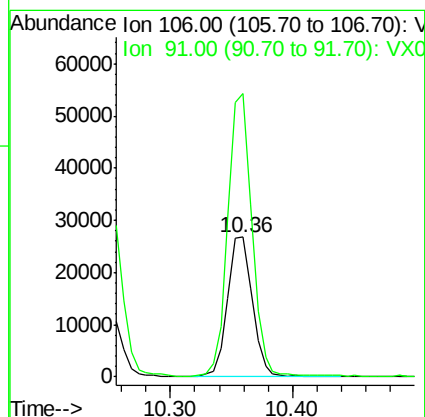
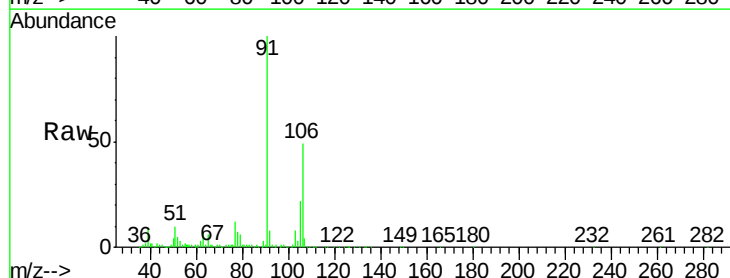
Acq: 12 Feb 2019 17:16

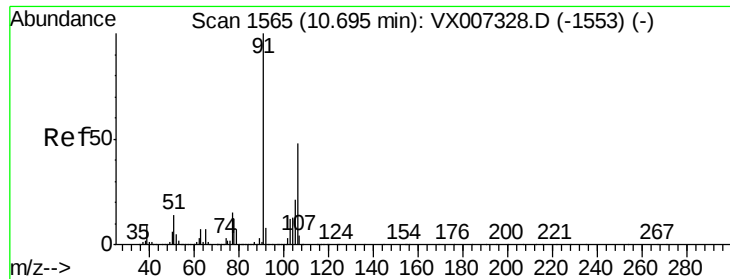
Tgt Ion: 106 Resp: 38029

Ion Ratio Lower Upper

106 100

91 191.7 156.6 234.8

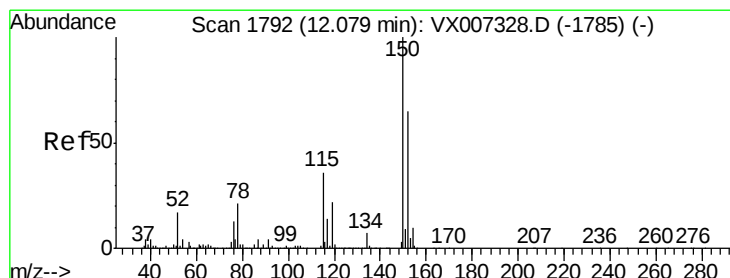
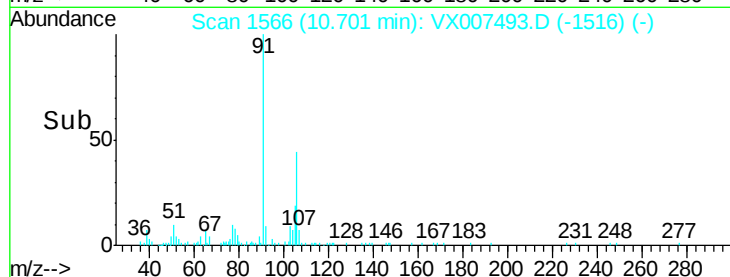
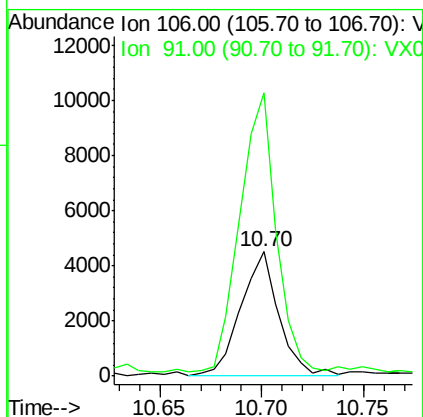
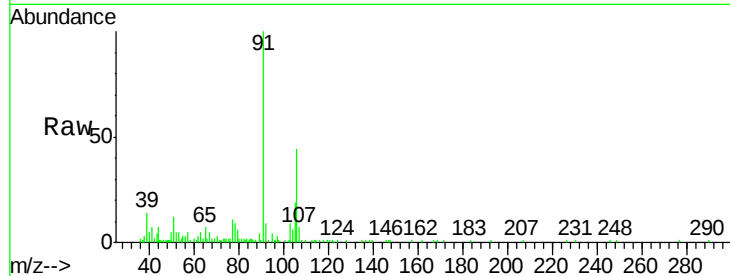




#69
o-Xylene
Concen: 0.566 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007493.D
Acq: 12 Feb 2019 17:16

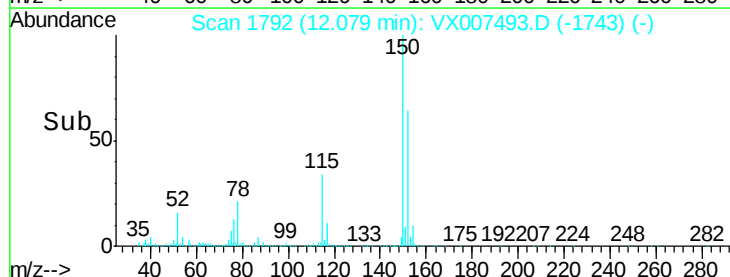
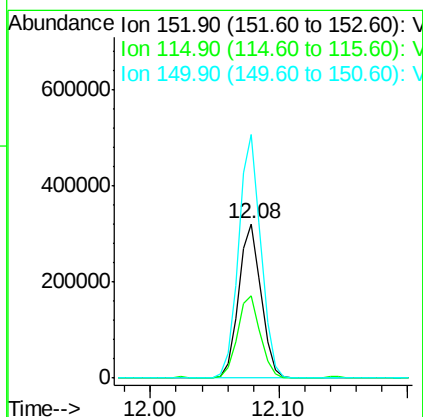
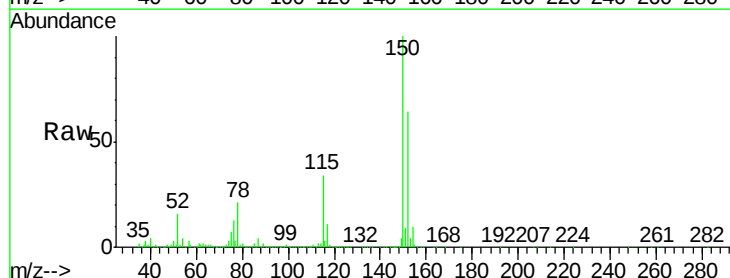
Instrument :
MSVOA_X
ClientSampleId :
IDW-LIQUID-02

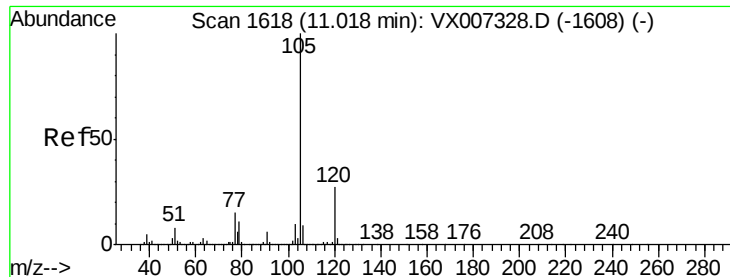
Tot Ion:106 Resp: 5910
Ion Ratio Lower Upper
106 100
91 211.8 102.9 308.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007493.D
Acq: 12 Feb 2019 17:16

Tgt Ion:152 Resp: 386113
Ion Ratio Lower Upper
152 100
115 53.9 38.0 114.0
150 157.1 0.0 346.4





#73

Isopropylbenzene

Concen: 1.390 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

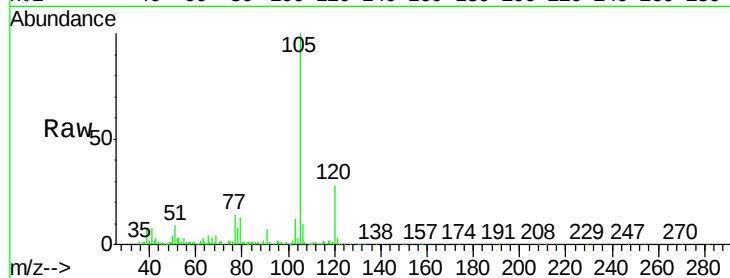
IDW-LIQUID-02

Tot Ion:105 Resp: 36472

Ion Ratio Lower Upper

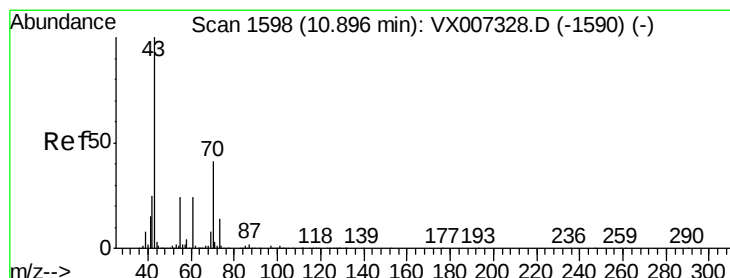
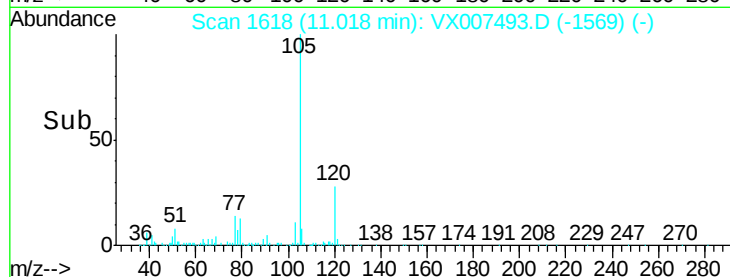
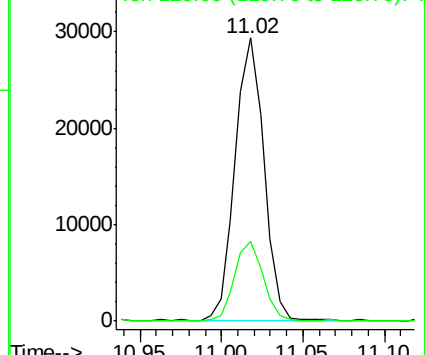
105 100

120 28.1 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.365 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Tgt Ion: 43 Resp: 3701

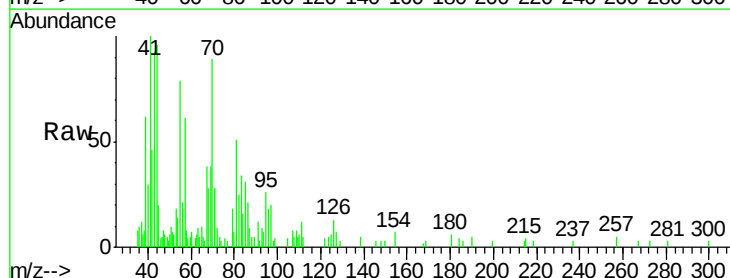
Ion Ratio Lower Upper

43 100

70 82.2 33.8 50.6#

55 72.3 19.5 29.3#

61 0.0 19.4 29.2#

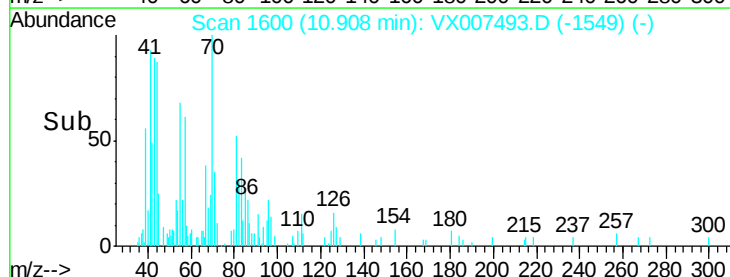
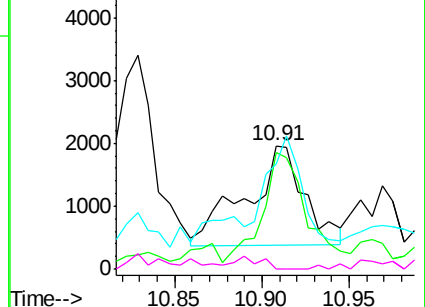


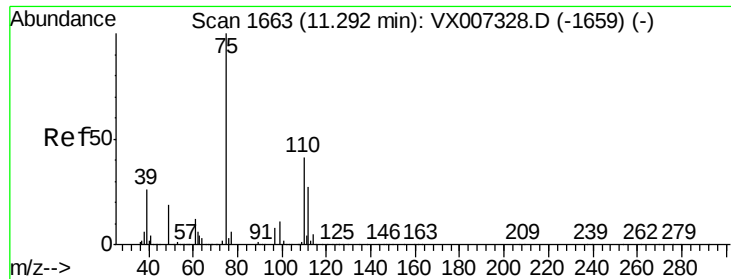
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 22.641 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

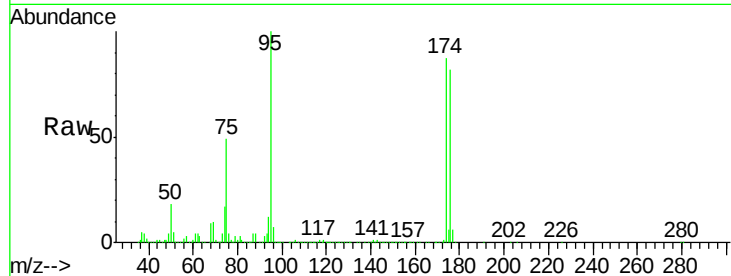
IDW-LIQUID-02

Tot Ion: 75 Resp: 170042

Ion Ratio Lower Upper

75 100

77 1.3 23.0 69.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

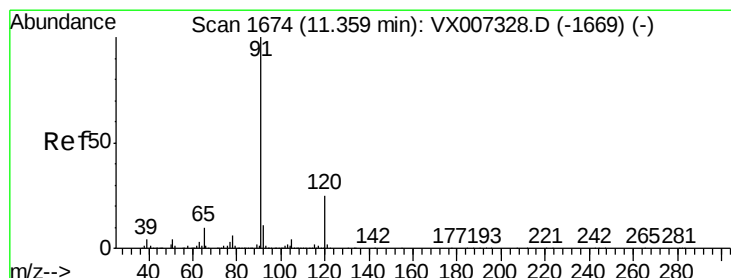
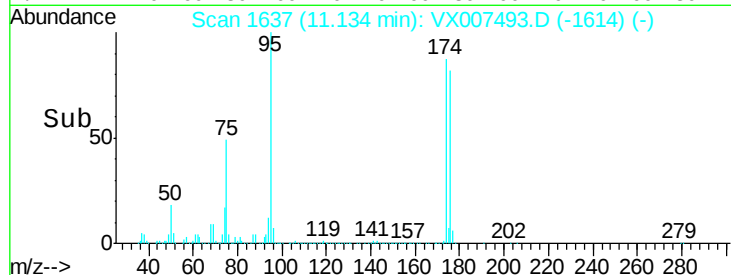
150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20



#78

n-propylbenzene

Concen: 5.819 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007493.D

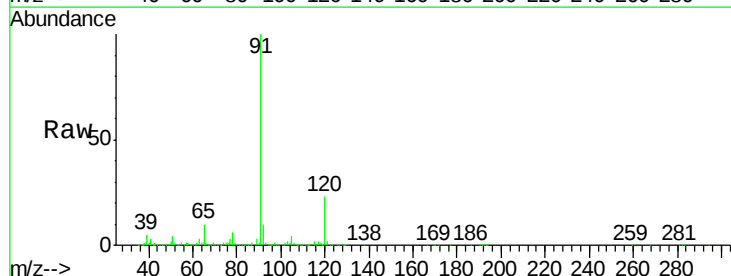
Acq: 12 Feb 2019 17:16

Tgt Ion: 91 Resp: 167434

Ion Ratio Lower Upper

91 100

120 23.9 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

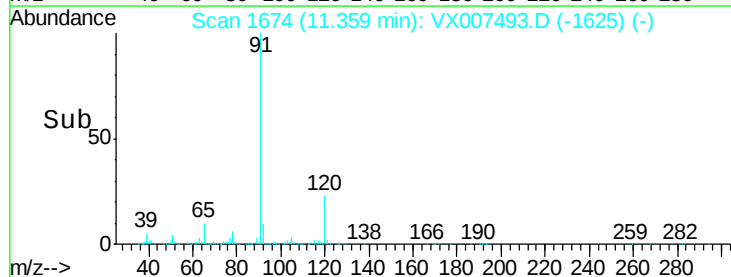
150000

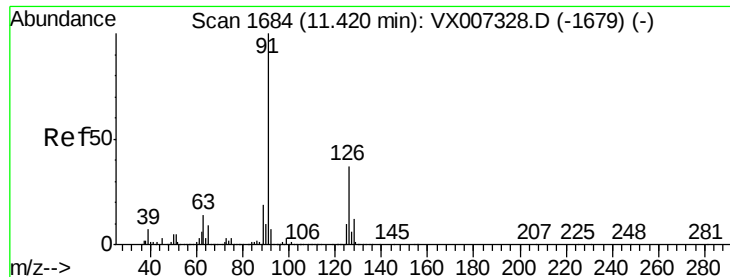
100000

50000

0

Time--> 11.30 11.35 11.40





#79

2-Chlorotoluene

Concen: 3.771 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

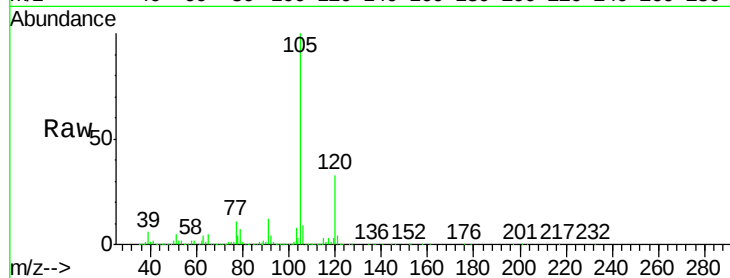
IDW-LIQUID-02

Tot Ion: 91 Resp: 65833

Ion Ratio Lower Upper

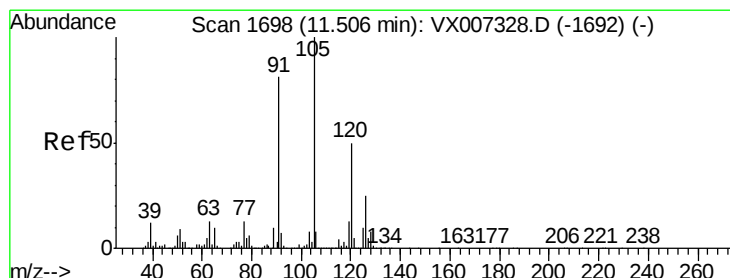
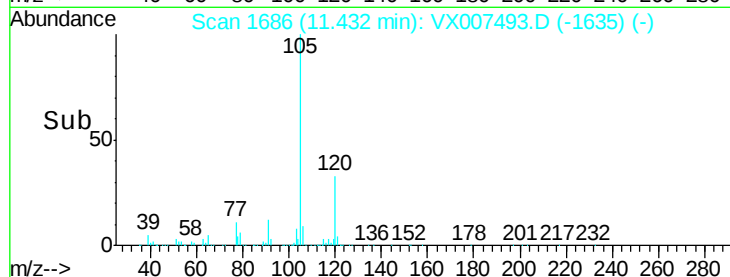
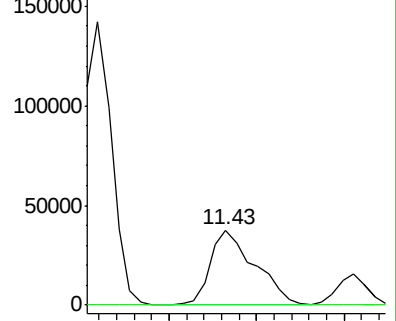
91 100

126 0.8 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VX007328.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX007328.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 7.966 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007493.D

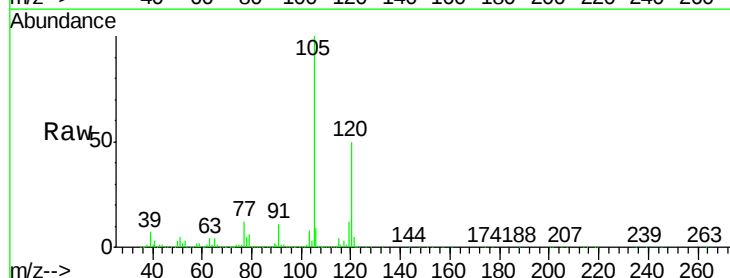
Acq: 12 Feb 2019 17:16

Tgt Ion: 105 Resp: 170993

Ion Ratio Lower Upper

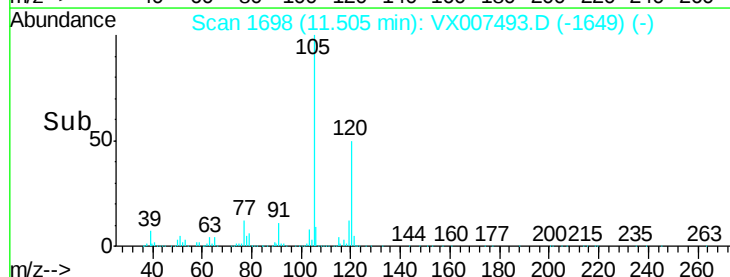
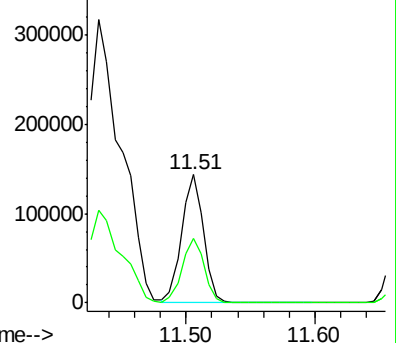
105 100

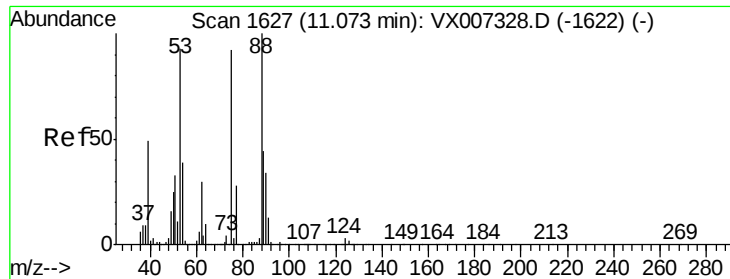
120 50.3 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX007328.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007328.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 68.291 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

IDW-LIQUID-02

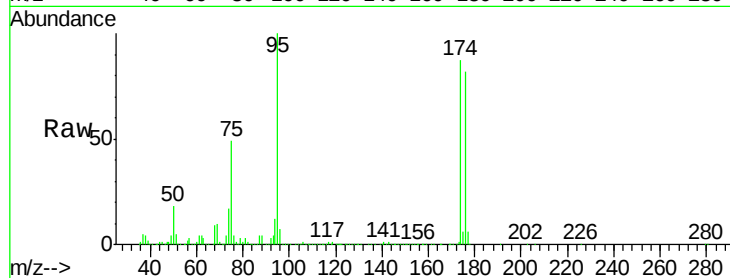
Tot Ion: 75 Resp: 170042

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

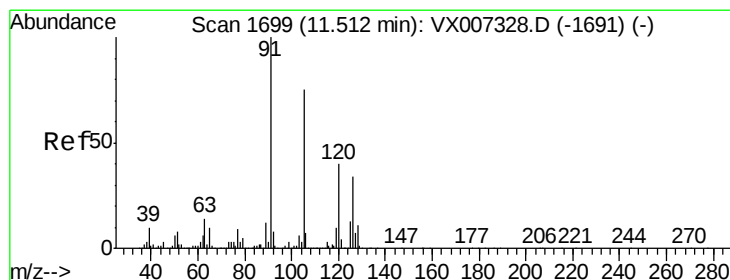
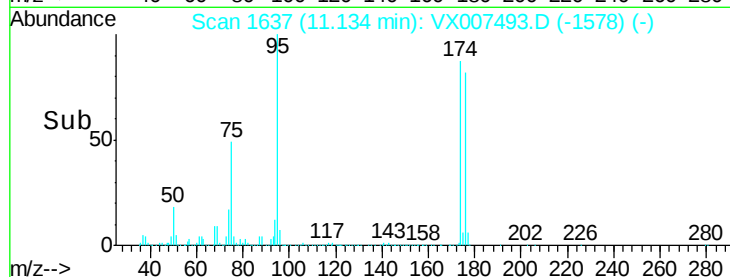
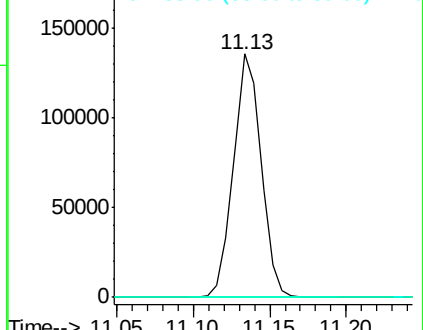
89 0.0 41.4 62.0#



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



#82

4-Chlorotoluene

Concen: 0.918 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX007493.D

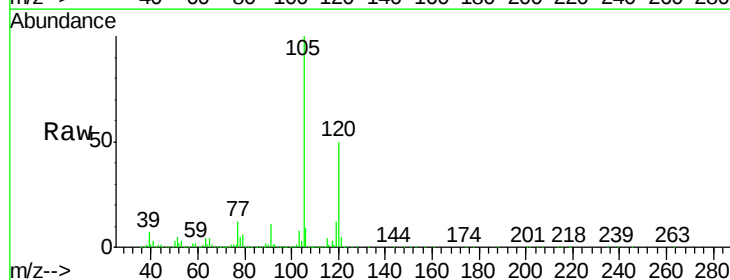
Acq: 12 Feb 2019 17:16

Tgt Ion: 91 Resp: 18554

Ion Ratio Lower Upper

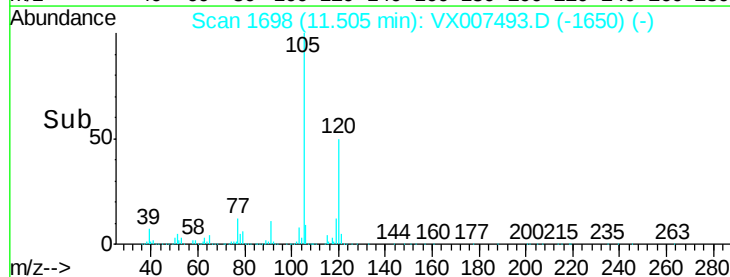
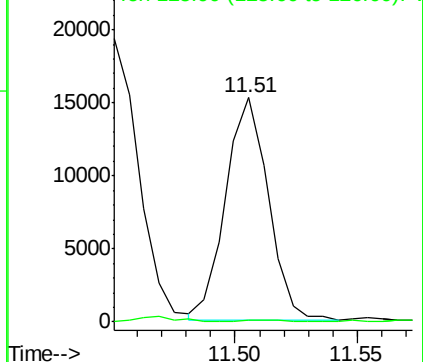
91 100

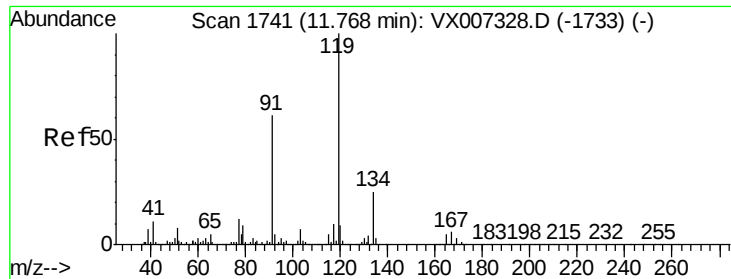
126 0.9 16.2 48.5#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

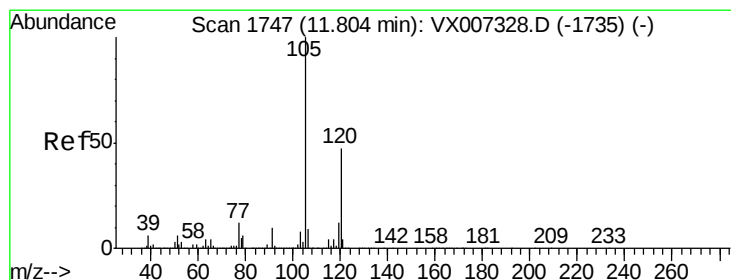
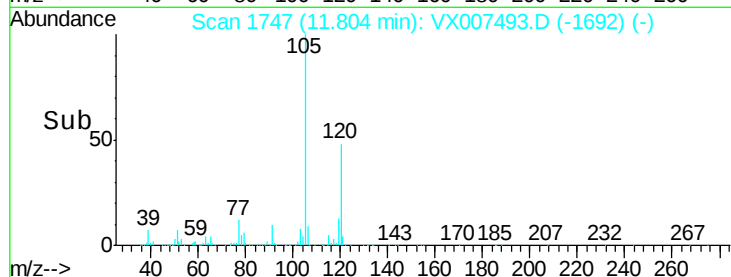
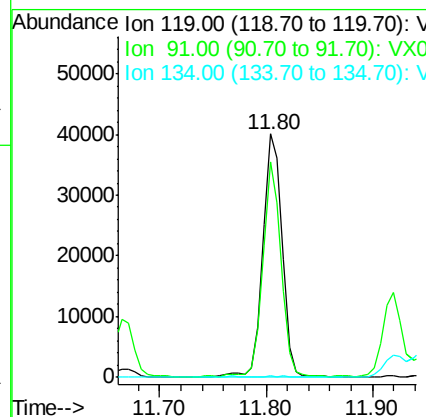
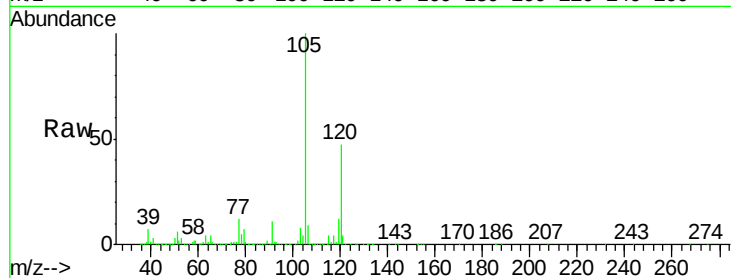




#83
tert-Butylbenzene
Concen: 2.413 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.04 min
Lab File: VX007493.D
Acq: 12 Feb 2019 17:16

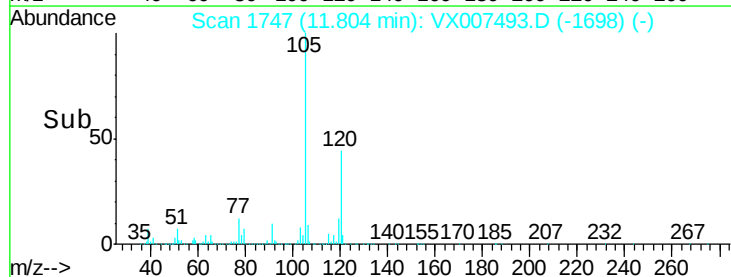
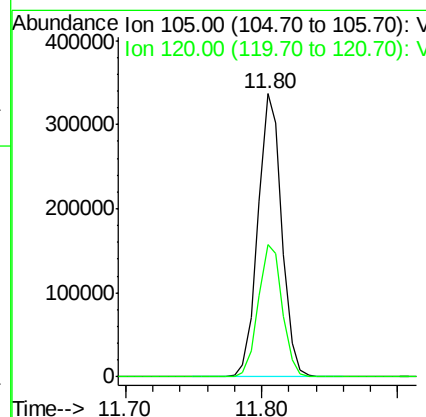
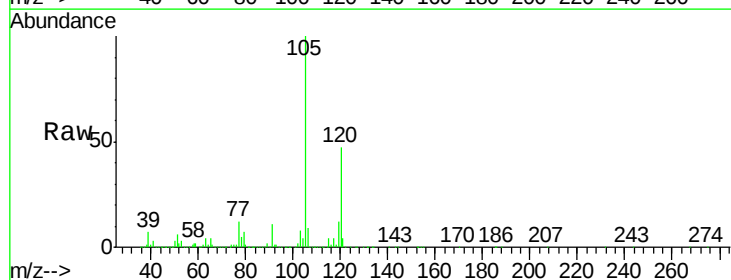
Instrument :
MSVOA_X
ClientSampled :
IDW-LIQUID-02

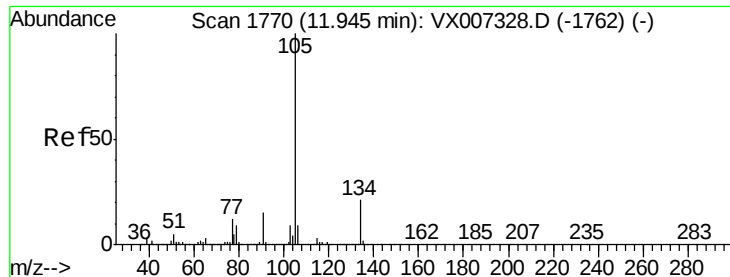
Tot Ion:119 Resp: 51277
Ion Ratio Lower Upper
119 100
91 82.6 28.5 85.6
134 0.8 12.0 36.0#



#84
1,2,4-Trimethylbenzene
Concen: 18.965 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007493.D
Acq: 12 Feb 2019 17:16

Tgt Ion:105 Resp: 413319
Ion Ratio Lower Upper
105 100
120 47.6 23.1 69.3





#85

sec-Butylbenzene

Concen: 0.943 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

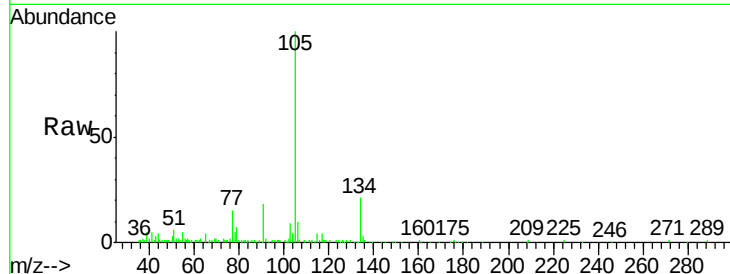
IDW-LIQUID-02

Tot Ion:105 Resp: 24269

Ion Ratio Lower Upper

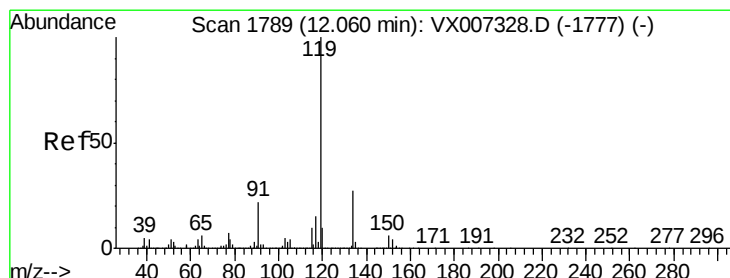
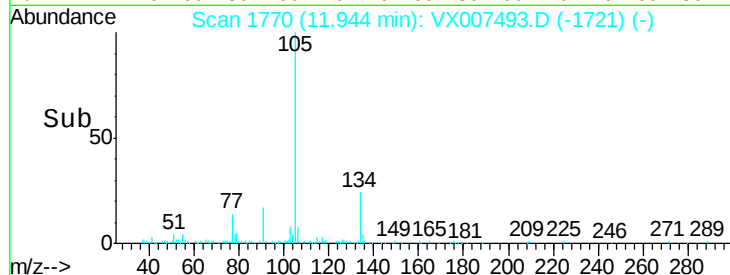
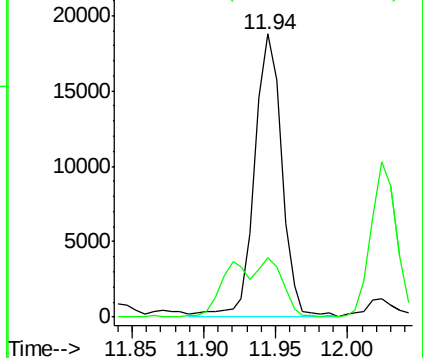
105 100

134 19.8 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.674 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

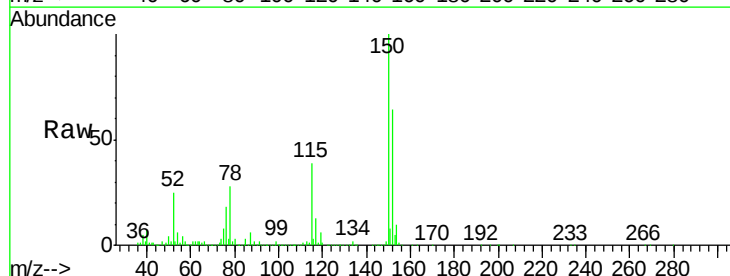
Tgt Ion:119 Resp: 15652

Ion Ratio Lower Upper

119 100

134 28.7 13.7 41.1

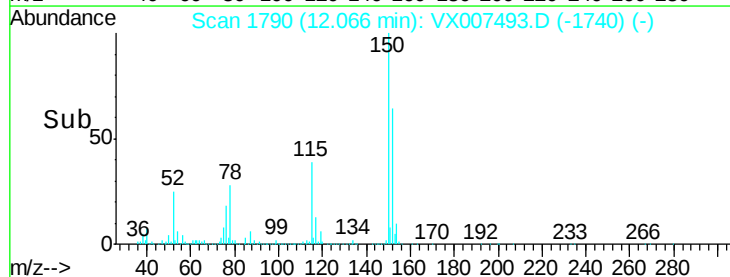
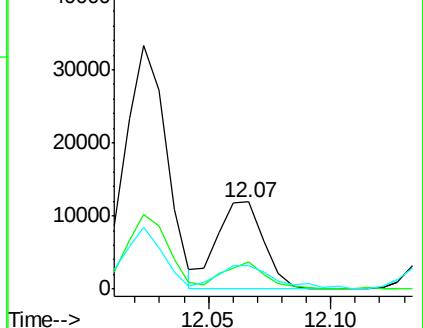
91 31.6 11.2 33.5

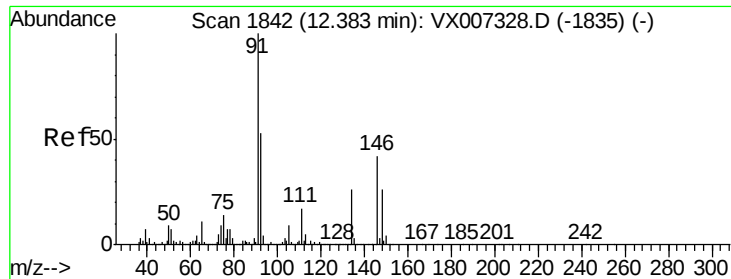


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

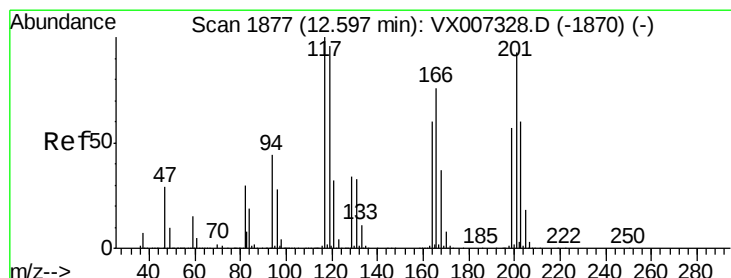
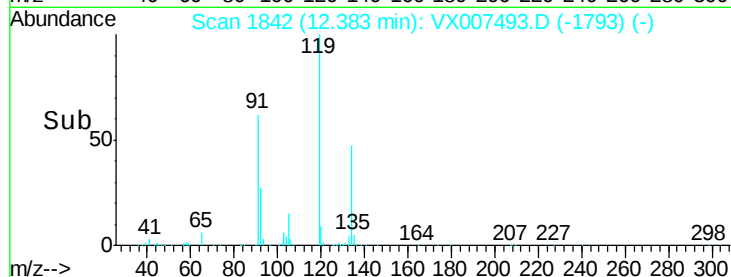
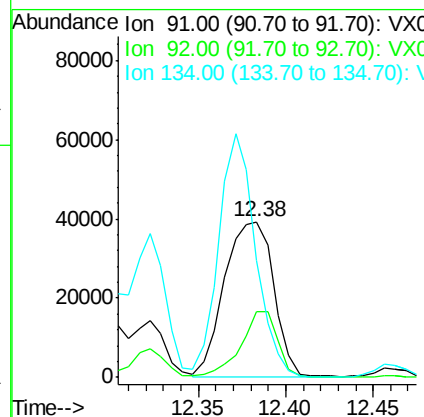
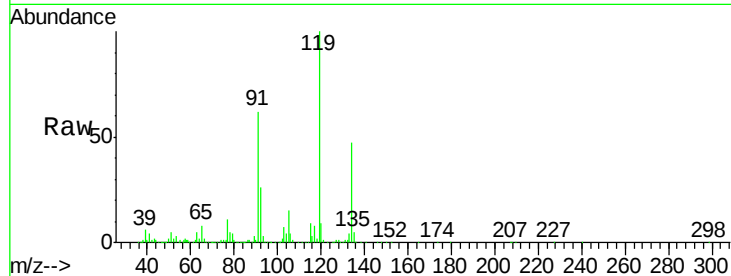




#89
n-Butylbenzene
Concen: 3.812 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX007493.D
Acq: 12 Feb 2019 17:16

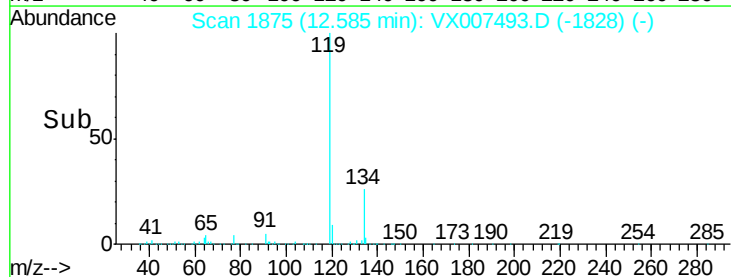
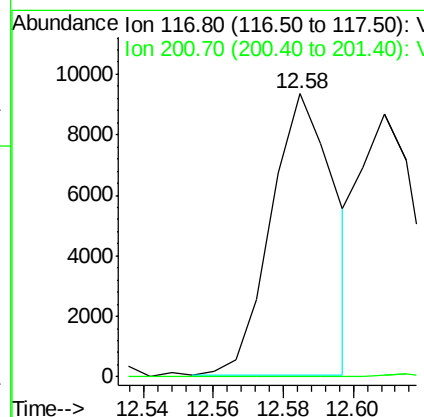
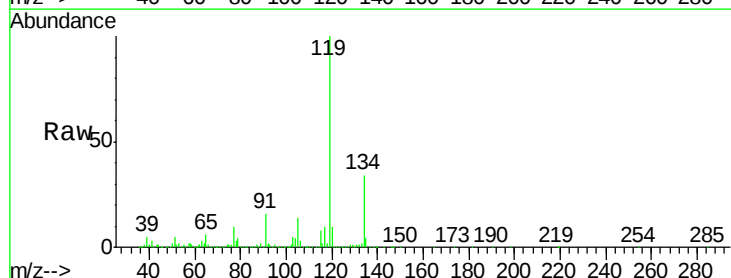
Instrument :
MSVOA_X
ClientSampleId :
IDW-LIQUID-02

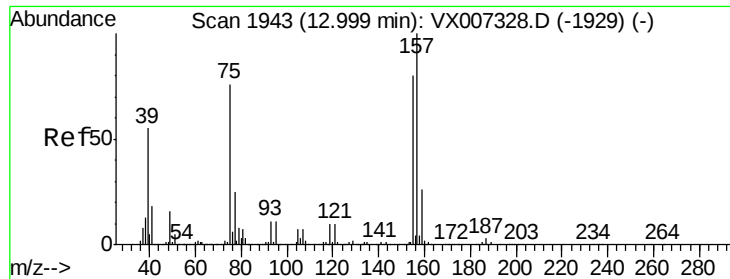
Tot Ion: 91 Resp: 76151
Ion Ratio Lower Upper
91 100
92 31.8 26.3 78.9
134 117.7 13.9 41.6#



#90
Hexachloroethane
Concen: 3.397 ug/l
RT: 12.58 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VX007493.D
Acq: 12 Feb 2019 17:16

Tgt Ion: 117 Resp: 11804
Ion Ratio Lower Upper
117 100
201 0.0 44.9 134.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.591 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

IDW-LIQUID-02

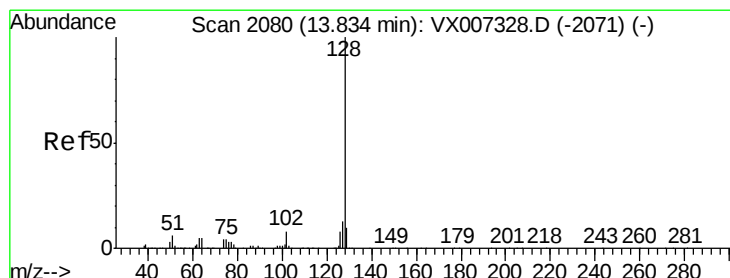
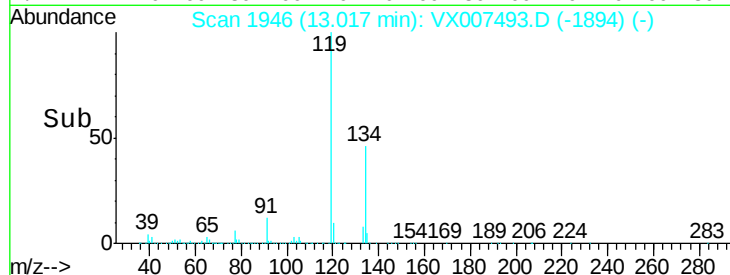
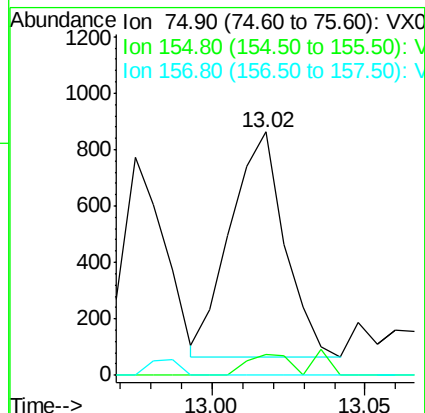
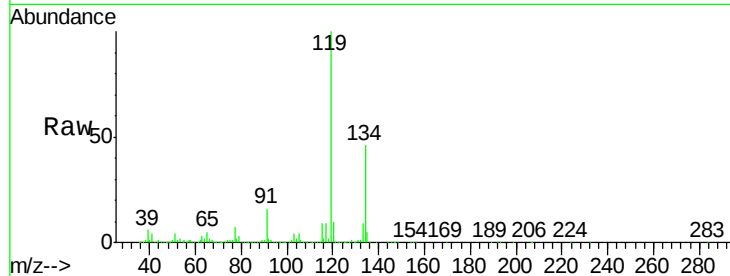
Tot Ion: 75 Resp: 983

Ion Ratio Lower Upper

75 100

155 7.2 49.6 149.0#

157 0.0 65.1 195.3#



#95

Naphthalene

Concen: 0.973 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Tgt Ion:128 Resp: 25342

Ion Ratio Lower Upper

128 100

127 15.7 10.5 15.7

129 14.6 8.7 13.1#

