

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021519\
 Data File : VX007548.D
 Acq On : 14 Feb 2019 16:22
 Operator : JC/SP
 Sample : K1460-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 15 02:44:36 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	494349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	776634	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	735549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	364967	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	270646	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
35) Dibromofluoromethane	5.51	113	254483	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
50) Toluene-d8	8.71	98	935304	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	11.13	95	337839	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	

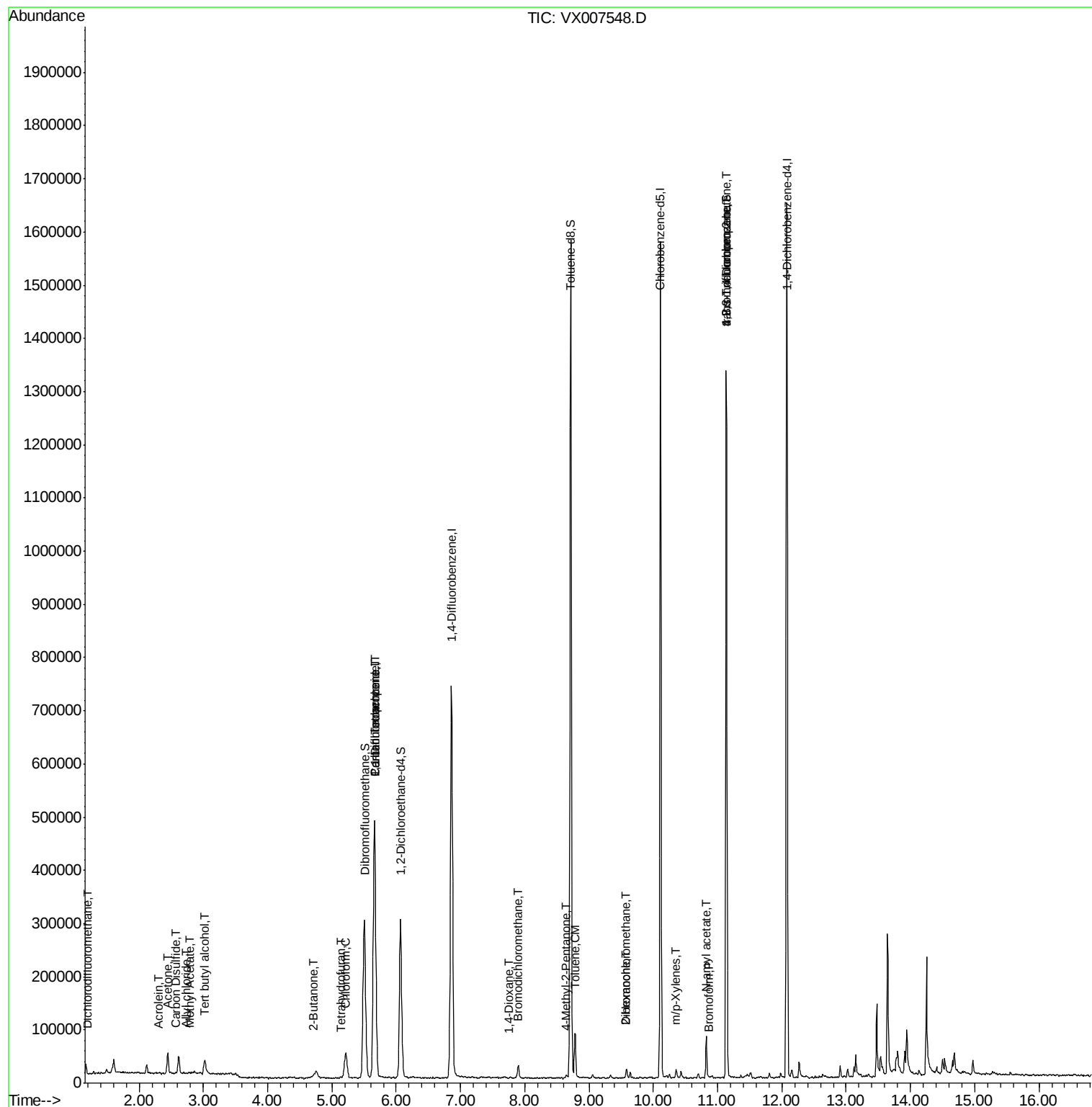
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	253	0.219	ug/l #	71
5) Bromomethane	1.64	94	289	Below Cal	#	40
11) Tert butyl alcohol	3.02	59	18643	17.168	ug/l #	87
13) Acrolein	2.29	56	343	0.674	ug/l #	31
14) Allyl chloride	2.72	41	1544	0.201	ug/l #	28
16) Acetone	2.45	43	41846	17.410	ug/l	93
17) Carbon Disulfide	2.57	76	1332	2.224	ug/l #	1
18) Methyl Acetate	2.78	43	5369	1.440	ug/l	93
25) 2-Butanone	4.71	43	7318	2.139	ug/l #	82
29) Tetrahydrofuran	5.15	42	1038	0.482	ug/l #	5
30) Chloroform	5.21	83	55770	6.579	ug/l	100
36) 1,1-Dichloropropene	5.67	75	33099	4.750	ug/l #	49
38) Carbon Tetrachloride	5.66	117	45351	6.708	ug/l #	15
47) Bromodichloromethane	7.90	83	14843	2.343	ug/l	99
49) 1,4-Dioxane	7.75	88	61	7.369	ug/l #	25
51) 4-Methyl-2-Pentanone	8.65	43	4092	0.572	ug/l #	84
52) Toluene	8.79	92	31117	2.350	ug/l	98
59) 2-Hexanone	9.58	43	1550	0.278	ug/l	80
60) Dibromochloromethane	9.58	129	3689	0.707	ug/l	99
68) m/p-Xylenes	10.35	106	3737	0.364	ug/l	88
71) Bromoform	10.87	173	280	4.084	ug/l #	29
74) N-amyl acetate	10.82	43	36567	3.812	ug/l #	48
76) 1,2,3-Trichloropropane	11.13	75	158536	22.332	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	158536	67.417	ug/l #	9

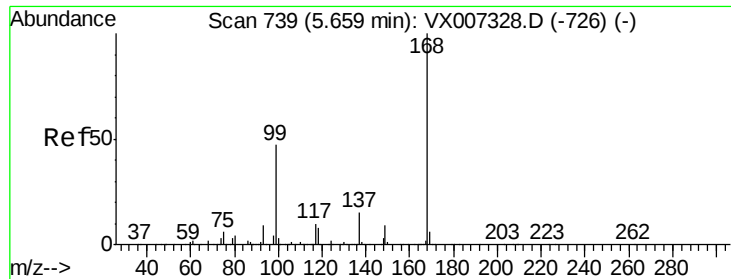
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021519\
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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: VX007548.D

Acq: 14 Feb 2019 16:22

Instrument :

MSVOA_X

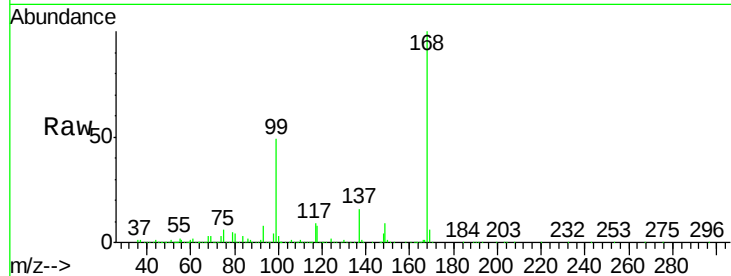
ClientSampleId :

Tot Ion:168 Resp: 494349

Ion Ratio Lower Upper

168 100

99 48.8 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

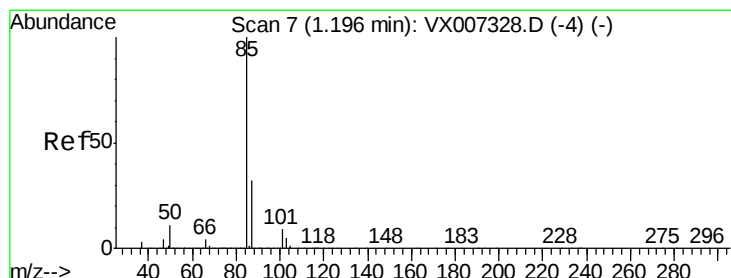
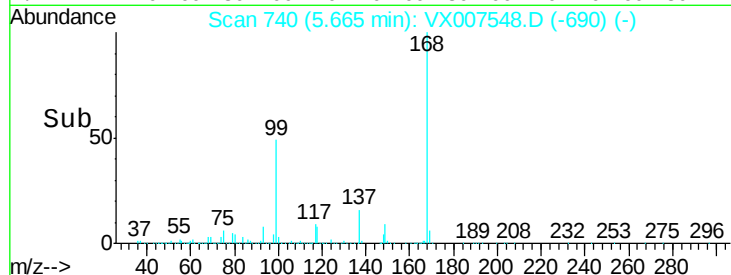
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.219 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007548.D

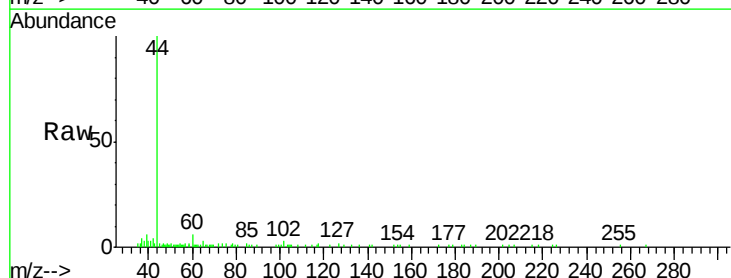
Acq: 14 Feb 2019 16:22

Tgt Ion: 85 Resp: 253

Ion Ratio Lower Upper

85 100

87 47.5 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

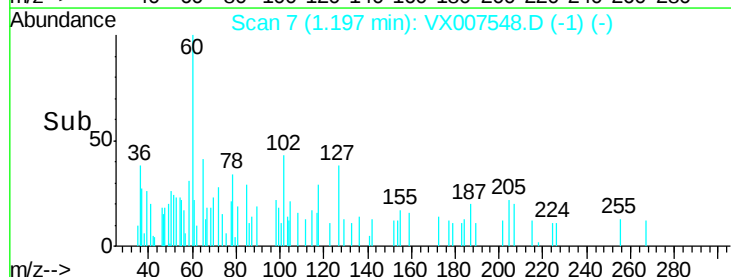
300

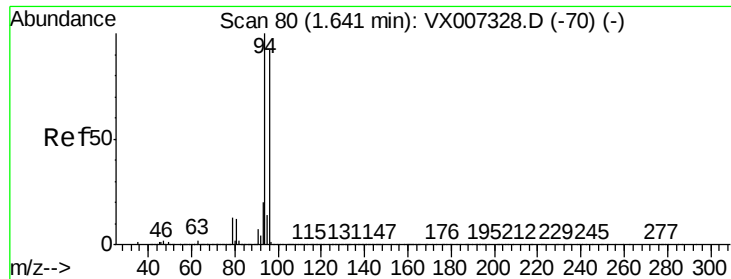
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007548.D

Acq: 14 Feb 2019 16:22

Instrument :

MSVOA_X

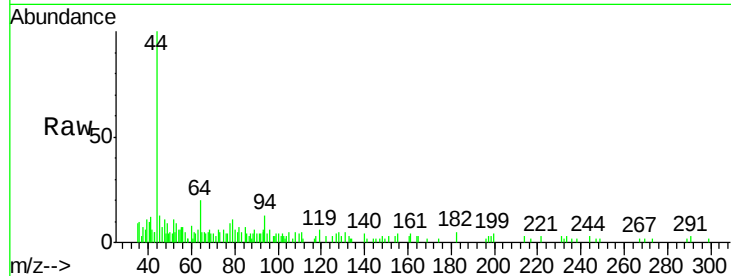
ClientSampleId :

Tot Ion: 94 Resp: 289

Ion Ratio Lower Upper

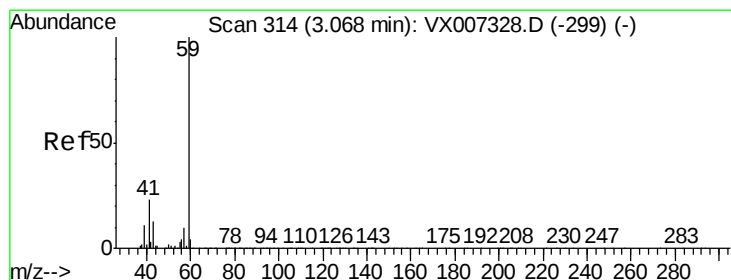
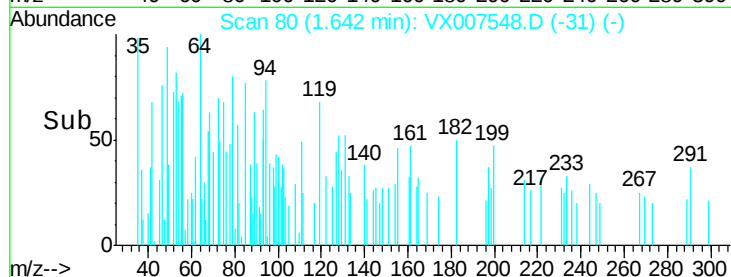
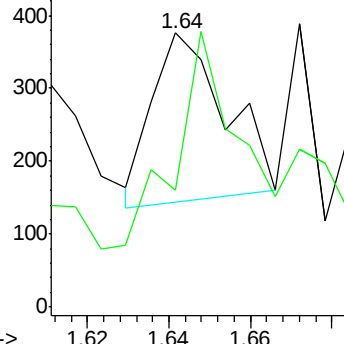
94 100

96 35.3 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: 17.168 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX007548.D

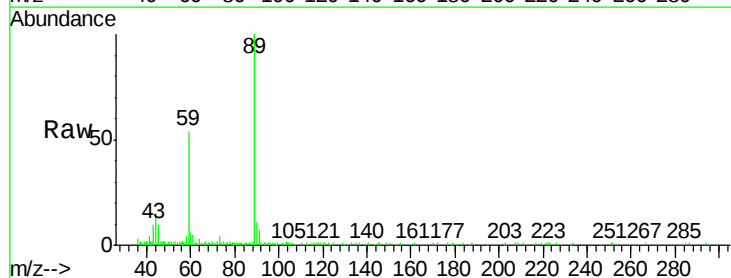
Acq: 14 Feb 2019 16:22

Tgt Ion: 59 Resp: 18643

Ion Ratio Lower Upper

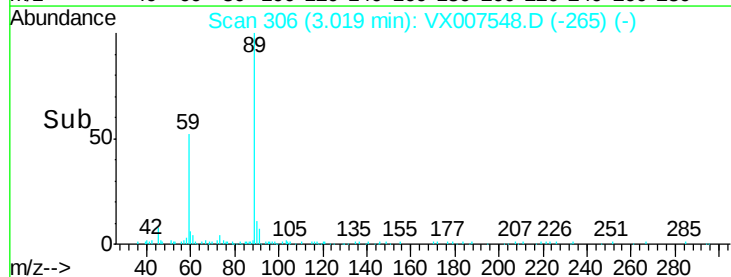
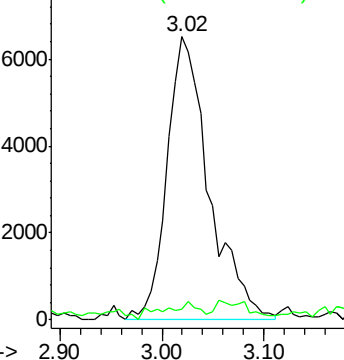
59 100

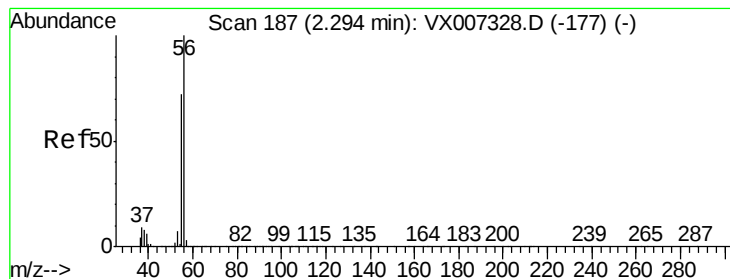
57 5.2 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.674 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX007548.D

Acq: 14 Feb 2019 16:22

Instrument :

MSVOA_X

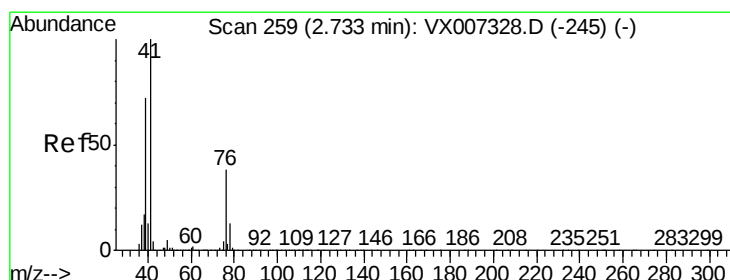
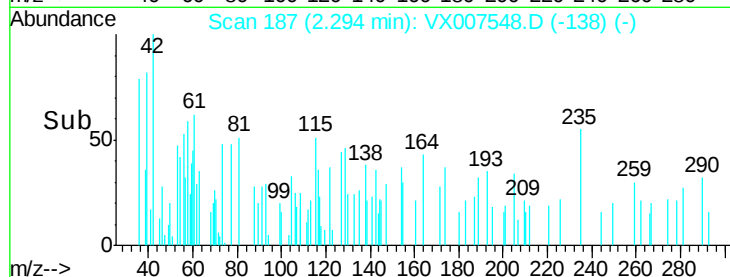
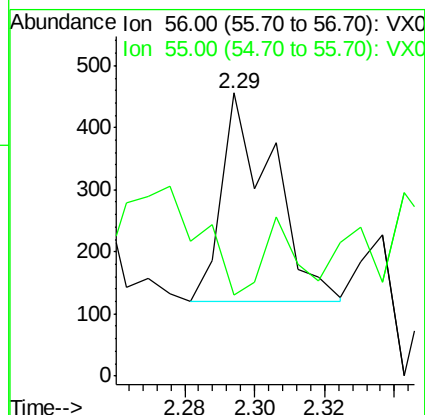
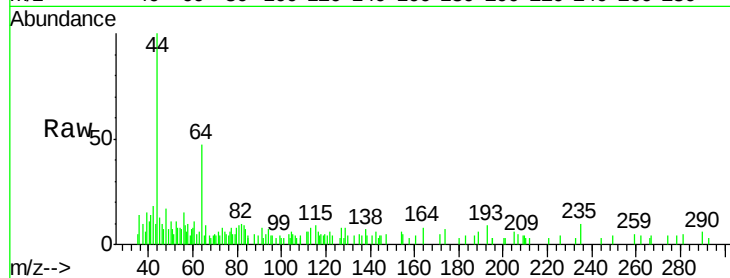
ClientSampled :

Tot Ion: 56 Resp: 343

Ion Ratio Lower Upper

56 100

55 14.3 56.9 85.3#



#14

Allyl chloride

Concen: 0.201 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX007548.D

Acq: 14 Feb 2019 16:22

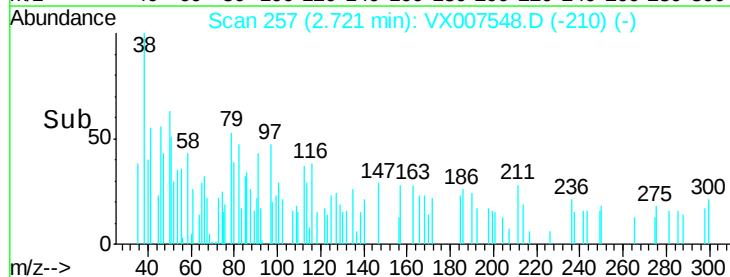
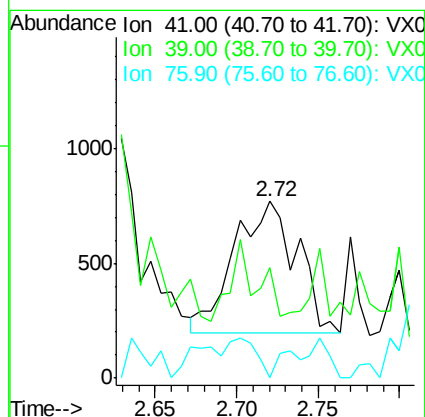
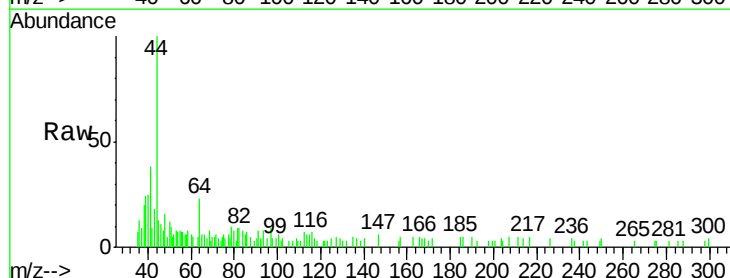
Tgt Ion: 41 Resp: 1544

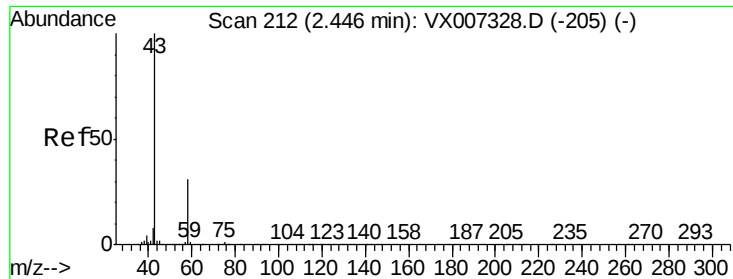
Ion Ratio Lower Upper

41 100

39 0.0 54.1 81.1#

76 7.2 27.8 41.8#

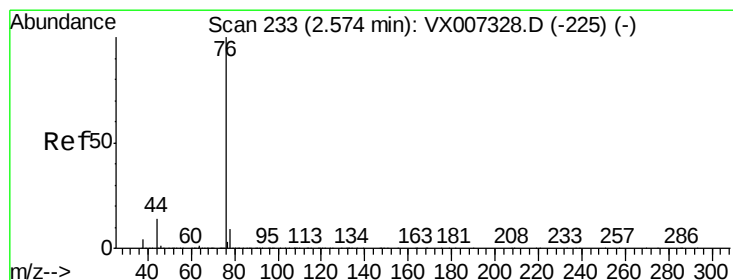
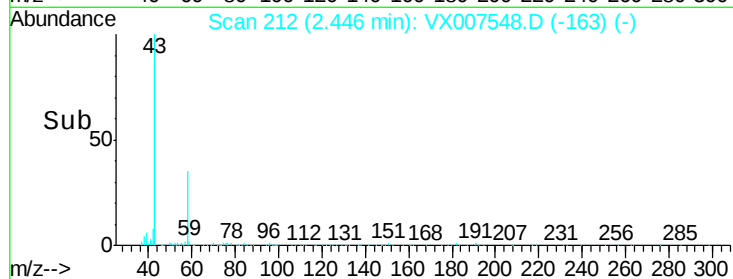
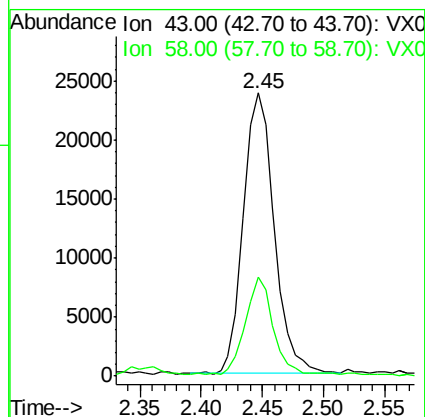
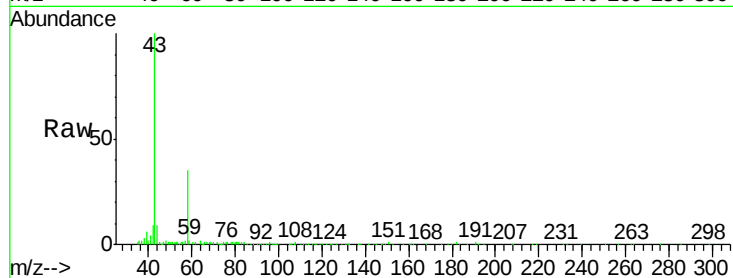




#16
Acetone
Concen: 17.410 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX007548.D
Acq: 14 Feb 2019 16:22

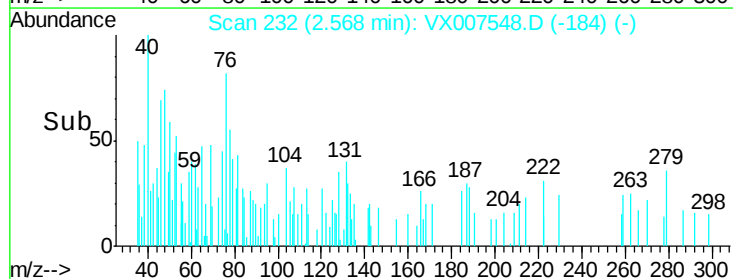
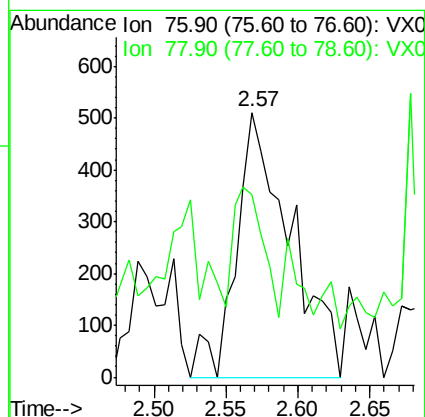
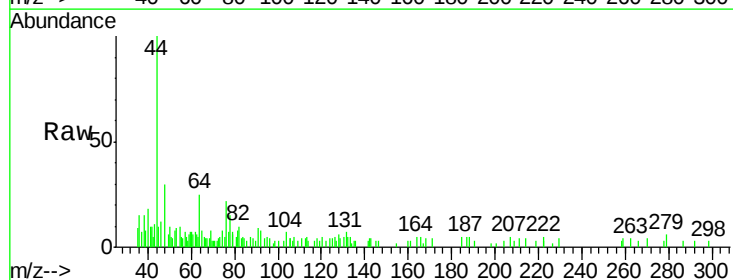
Instrument :
MSVOA_X
ClientSampled :

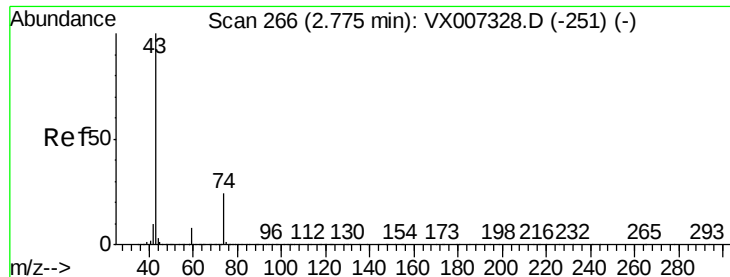
Tot Ion: 43 Resp: 41846
Ion Ratio Lower Upper
43 100
58 35.0 24.9 37.3



#17
Carbon Disulfide
Concen: 2.224 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX007548.D
Acq: 14 Feb 2019 16:22

Tgt Ion: 76 Resp: 1332
Ion Ratio Lower Upper
76 100
78 50.3 7.1 10.7#

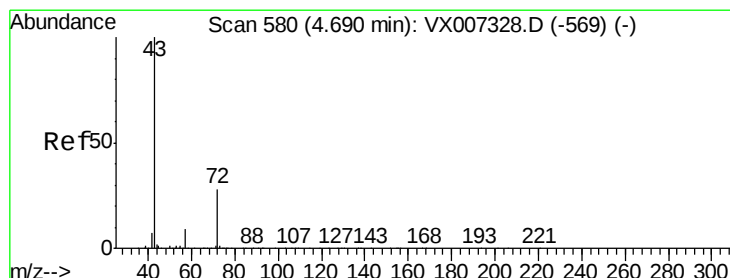
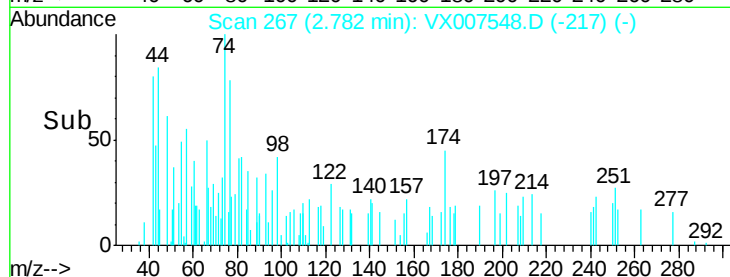
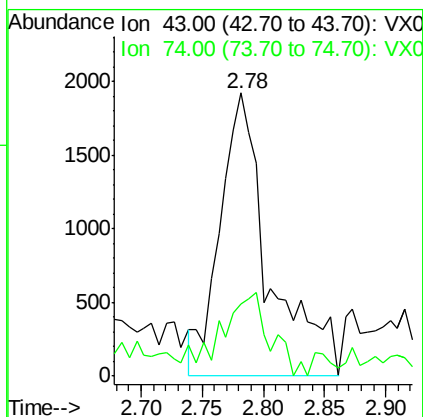
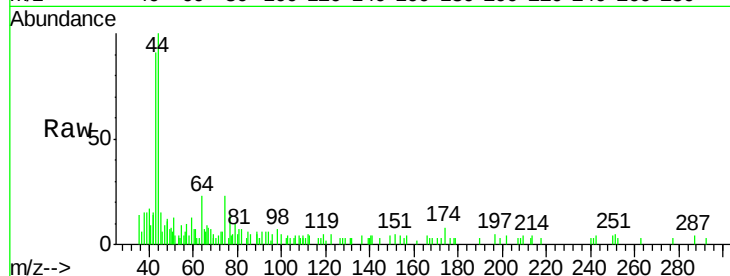




#18
Methyl Acetate
Concen: 1.440 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007548.D
Acq: 14 Feb 2019 16:22

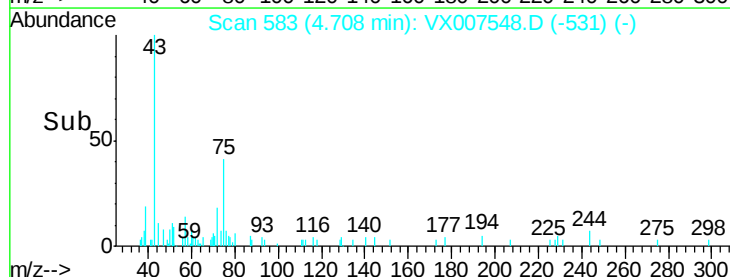
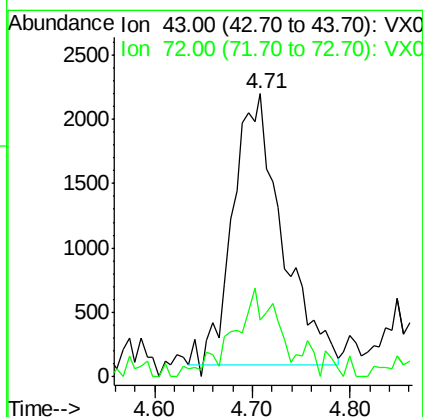
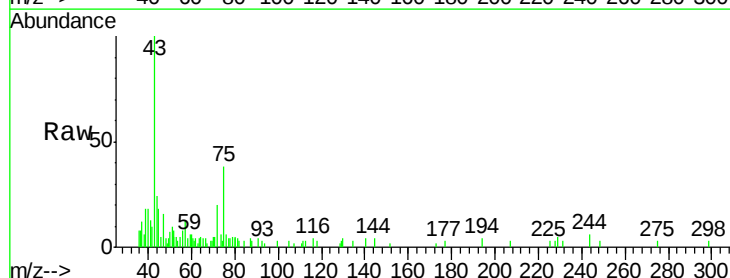
Instrument :
MSVOA_X
ClientSampleId :

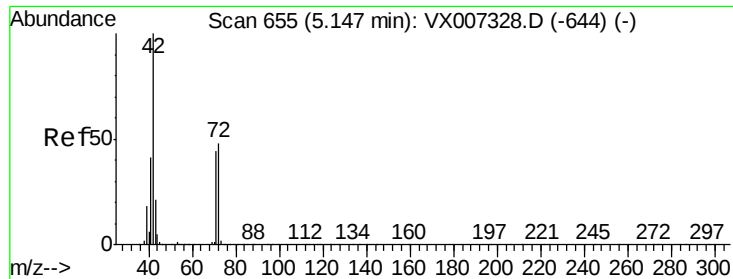
Tot Ion: 43 Resp: 5369
Ion Ratio Lower Upper
43 100
74 27.6 19.4 29.2



#25
2-Butanone
Concen: 2.139 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.02 min
Lab File: VX007548.D
Acq: 14 Feb 2019 16:22

Tgt Ion: 43 Resp: 7318
Ion Ratio Lower Upper
43 100
72 18.1 22.2 33.2#

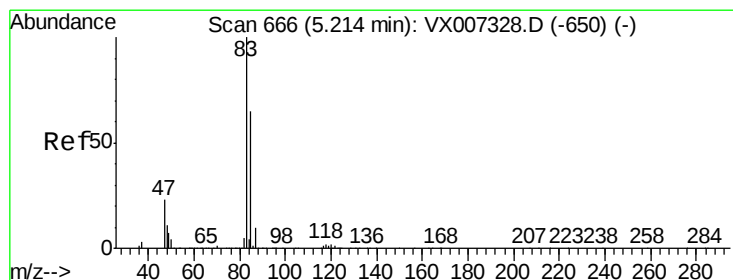
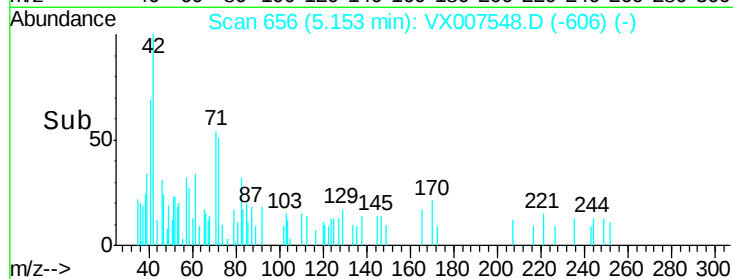
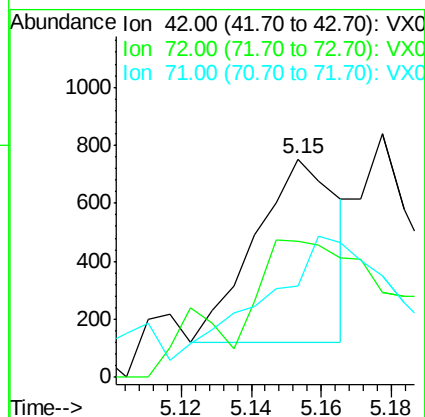
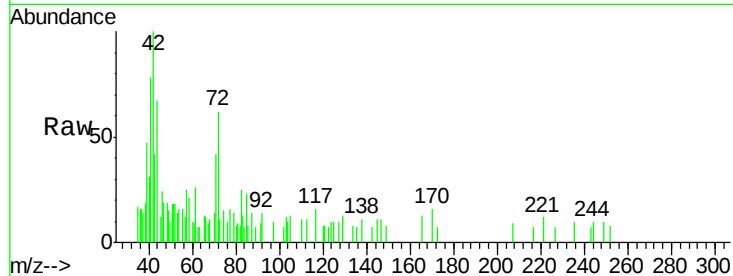




#29
Tetrahydrofuran
Concen: 0.482 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007548.D
Acq: 14 Feb 2019 16:22

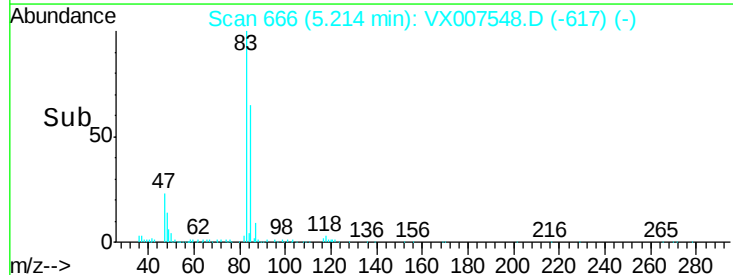
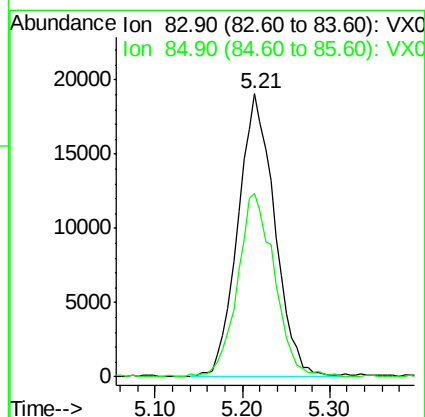
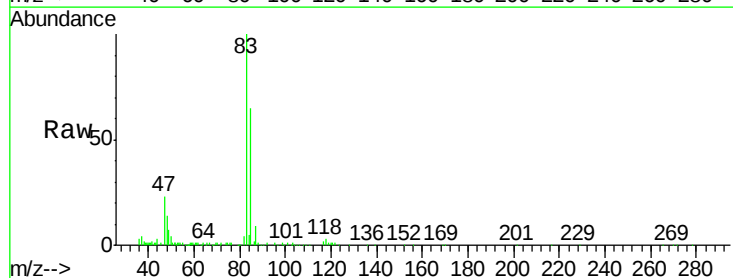
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MSVOA_X
ClientSampled :

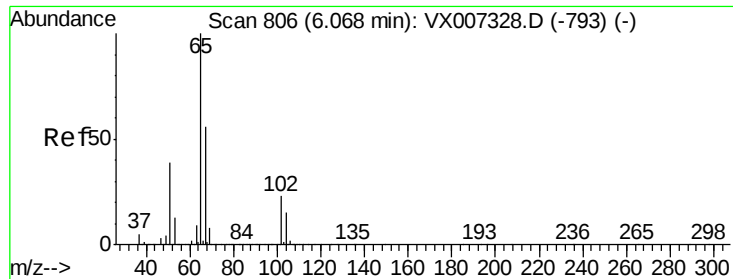
Tot Ion: 42 Resp: 1038
Ion Ratio Lower Upper
42 100
72 80.2 37.6 56.4#
71 136.2 34.6 51.8#



#30
Chloroform
Concen: 6.579 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007548.D
Acq: 14 Feb 2019 16:22

Tgt Ion: 83 Resp: 55770
Ion Ratio Lower Upper
83 100
85 64.7 51.6 77.4

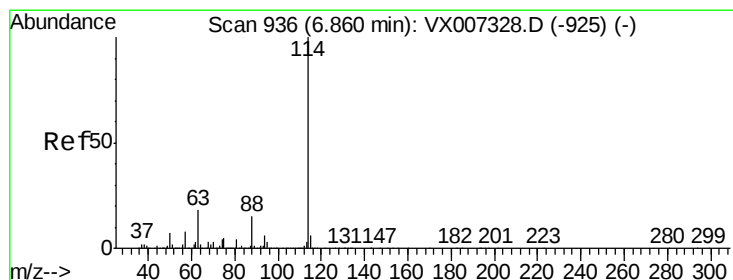
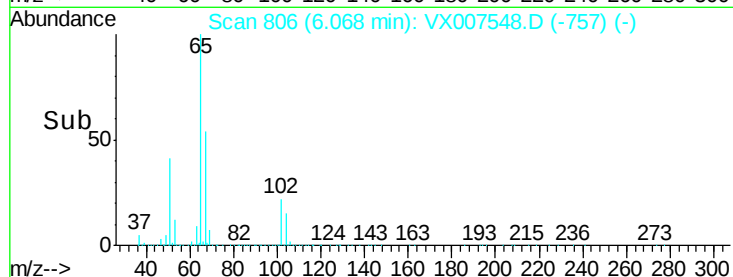
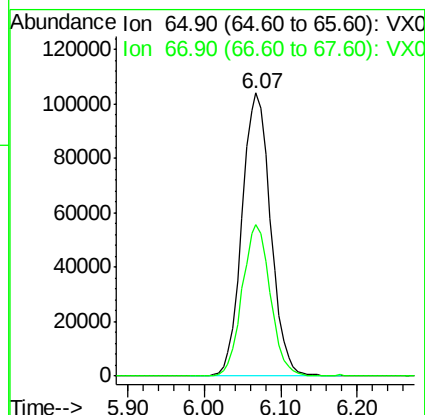
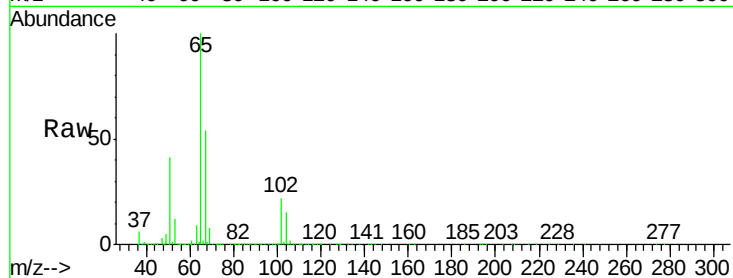




#33
 1,2-Dichloroethane-d4
 Concen: 51.580 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007548.D
 Acq: 14 Feb 2019 16:22

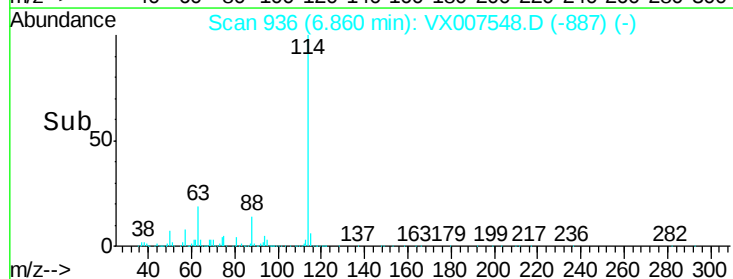
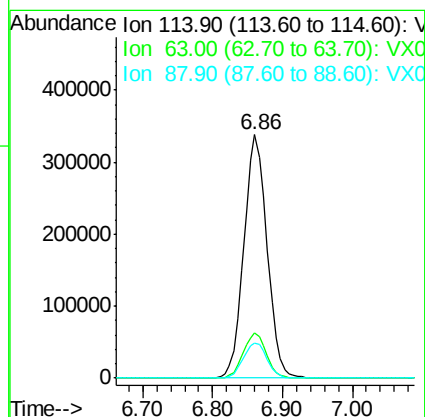
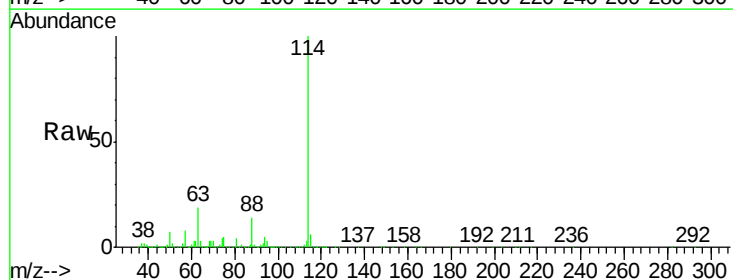
Instrument :
 MSVOA_X
 ClientSampleId :

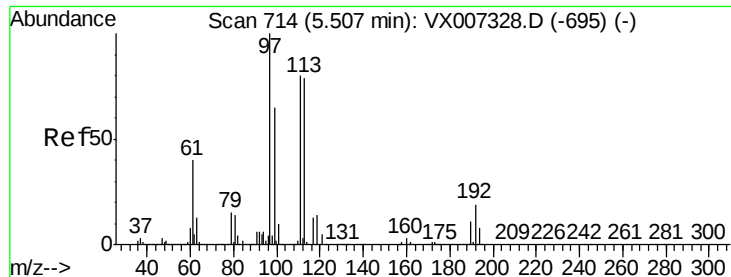
Tot Ion: 65 Resp: 270646
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007548.D
 Acq: 14 Feb 2019 16:22

Tgt Ion: 114 Resp: 776634
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 35.6
 88 14.1 0.0 29.6





#35

Dibromofluoromethane

Concen: 50.360 ug/l

RT: 5.51 min Scan# 714

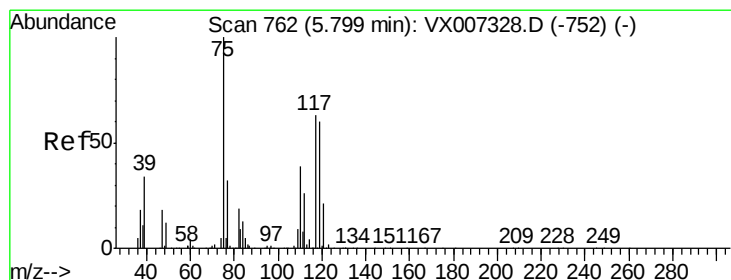
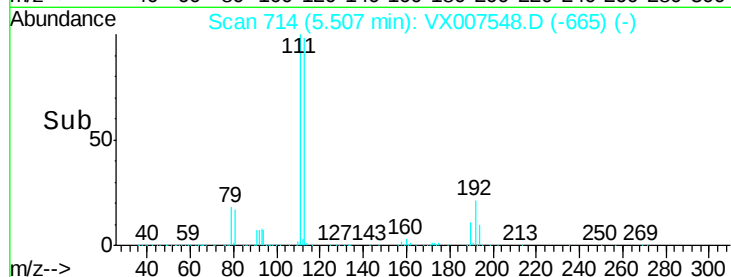
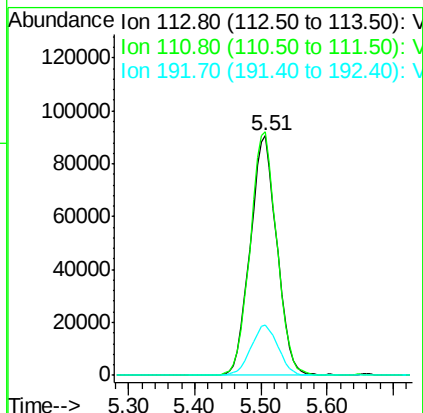
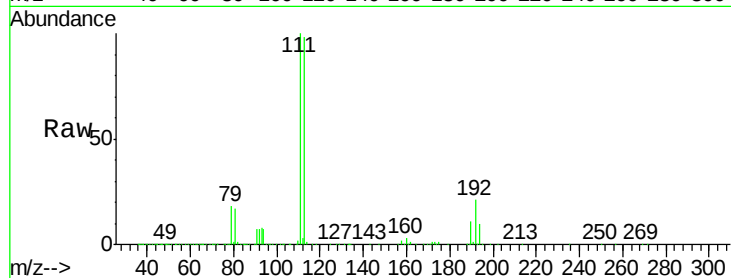
Delta R.T. 0.00 min

Lab File: VX007548.D

Acq: 14 Feb 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	113	Resp:	254483
Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.8	122.8
192	21.4	18.5	27.7



#36

1,1-Dichloropropene

Concen: 4.750 ug/l

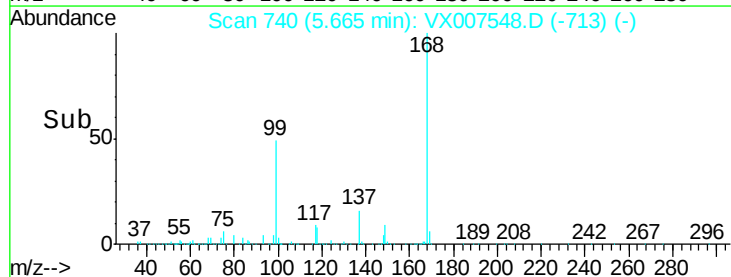
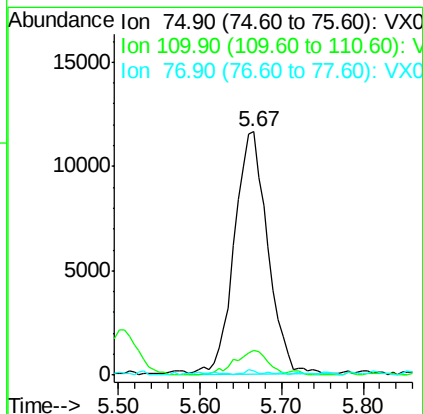
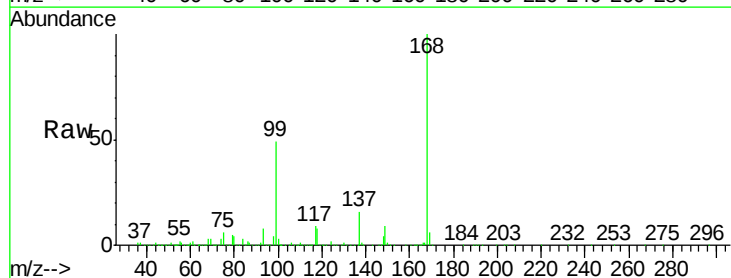
RT: 5.67 min Scan# 740

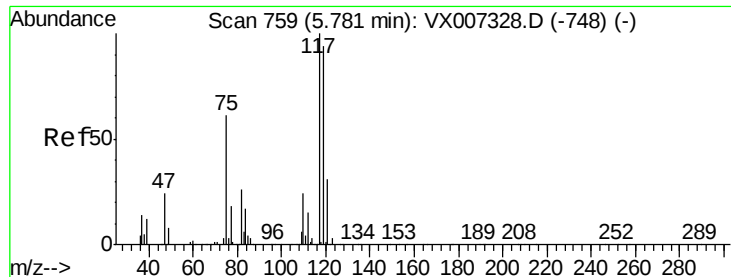
Delta R.T. -0.13 min

Lab File: VX007548.D

Acq: 14 Feb 2019 16:22

Tgt Ion:	75	Resp:	33099
Ion	Ratio	Lower	Upper
75	100		
110	10.1	20.0	59.9#
77	0.8	24.7	37.1#

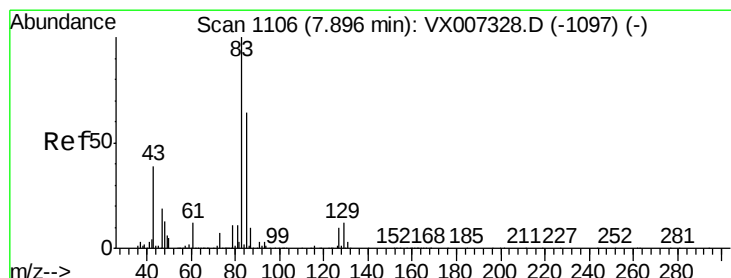
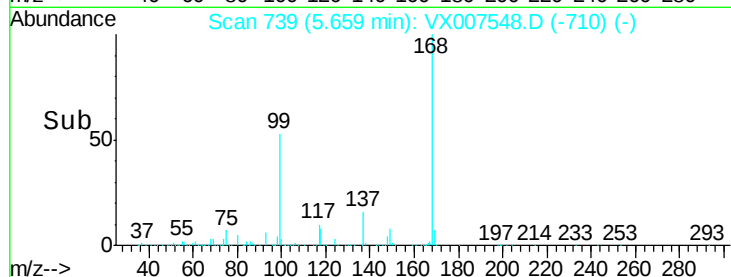
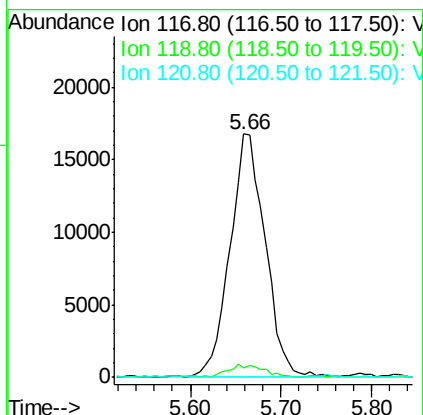
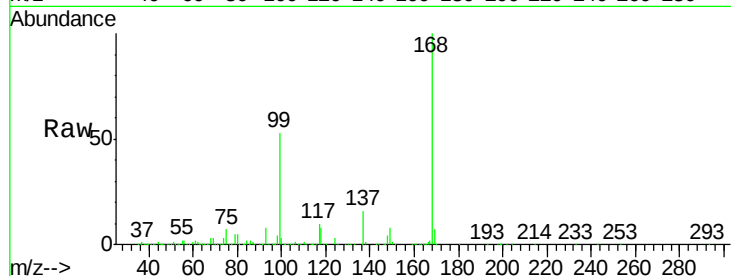




#38
Carbon Tetrachloride
Concen: 6.708 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX007548.D
Acq: 14 Feb 2019 16:22

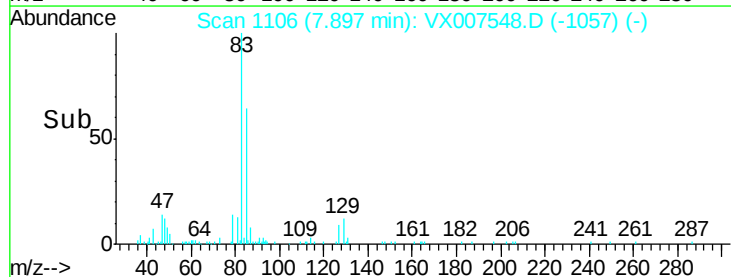
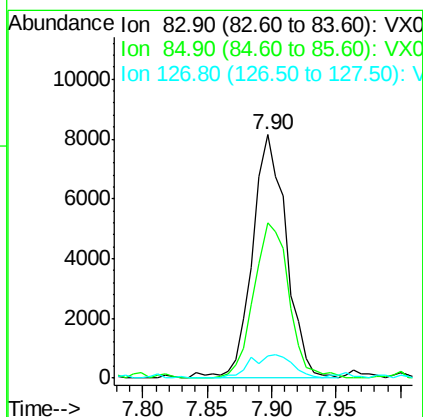
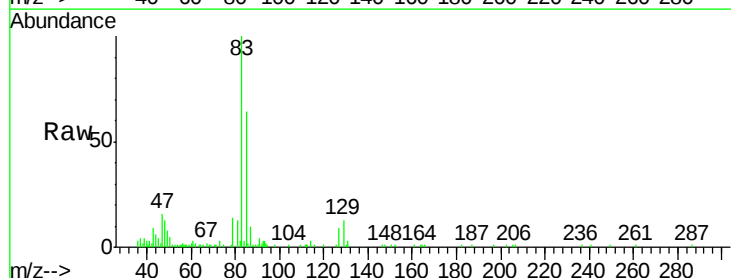
Instrument :
MSVOA_X
ClientSampleId :

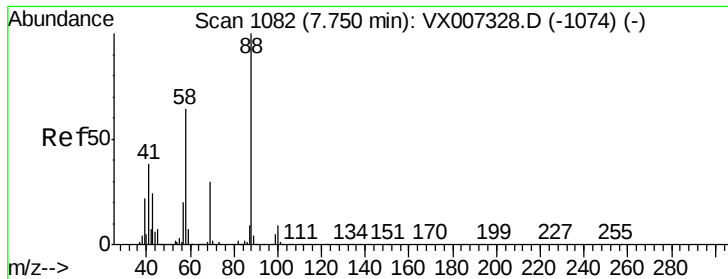
Tot Ion:117 Resp: 45351
Ion Ratio Lower Upper
117 100
119 3.0 75.3 112.9#
121 0.0 25.0 37.4#



#47
Bromodichloromethane
Concen: 2.343 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX007548.D
Acq: 14 Feb 2019 16:22

Tgt Ion: 83 Resp: 14843
Ion Ratio Lower Upper
83 100
85 63.5 51.4 77.0
127 9.0 8.1 12.1

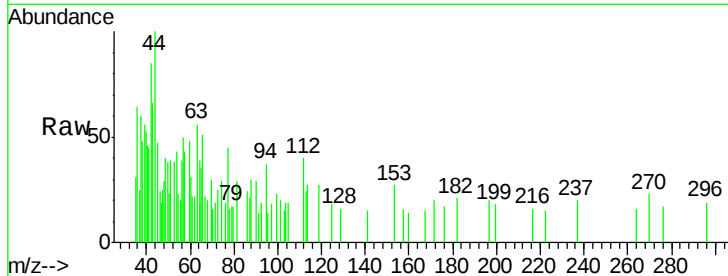




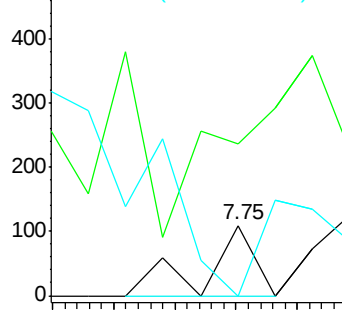
#49
1,4-Dioxane
Concen: 7.369 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007548.D
Acq: 14 Feb 2019 16:22

Instrument :
MSVOA_X
ClientSampled :

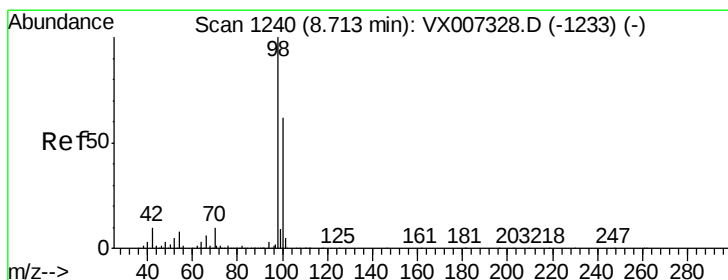
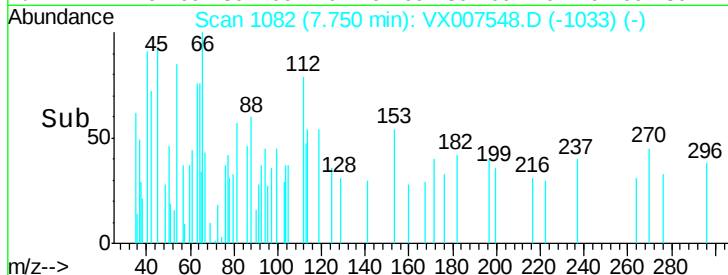
Tot Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 24.2 36.4#
58 0.0 53.0 79.4#



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

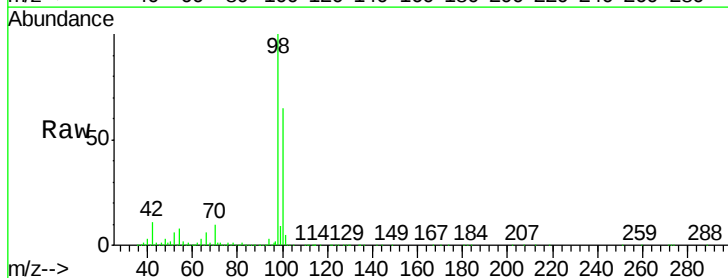


Time--> 7.72 7.73 7.74 7.75 7.76

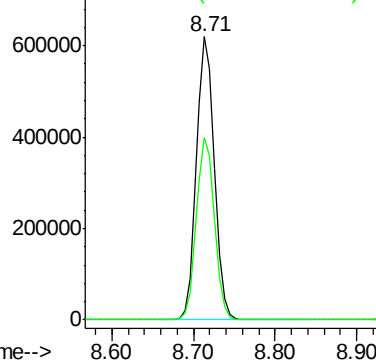


#50
Toluene-d8
Concen: 49.887 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007548.D
Acq: 14 Feb 2019 16:22

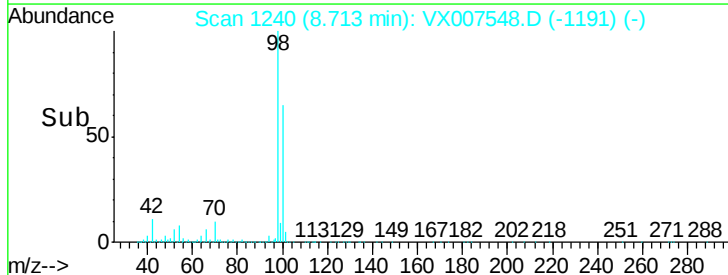
Tgt Ion: 98 Resp: 935304
Ion Ratio Lower Upper
98 100
100 64.8 51.6 77.4

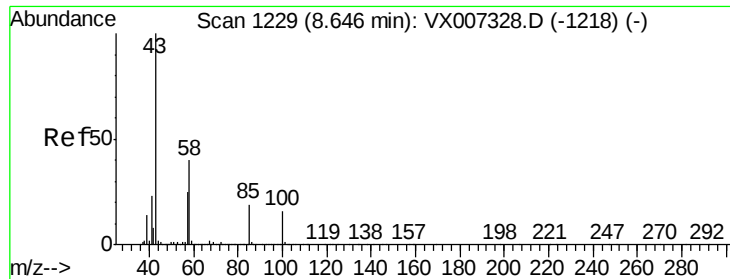


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



Time--> 8.60 8.70 8.80 8.90





#51

4-Methyl-2-Pentanone

Concen: 0.572 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007548.D

Acq: 14 Feb 2019 16:22

Instrument :

MSVOA_X

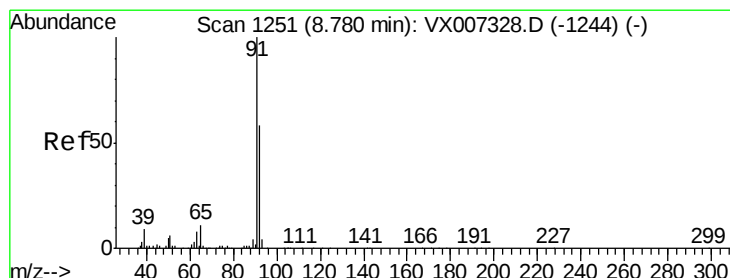
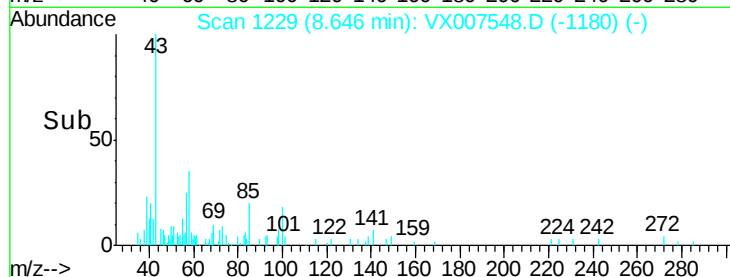
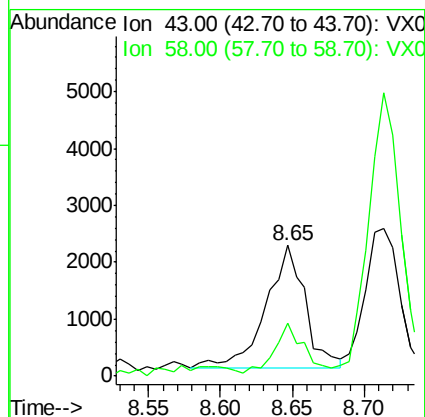
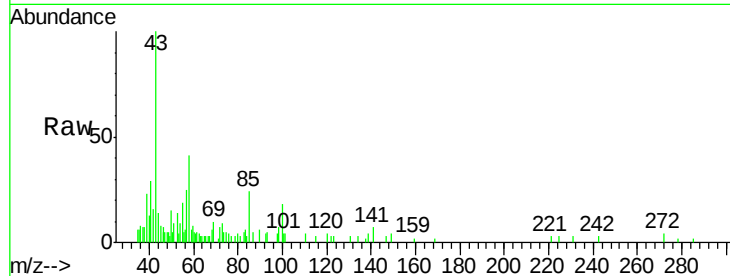
ClientSampled :

Tot Ion: 43 Resp: 4092

Ion Ratio Lower Upper

43 100

58 29.5 31.2 46.8#



#52

Toluene

Concen: 2.350 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007548.D

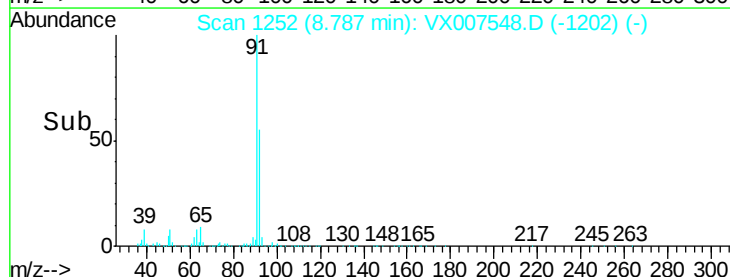
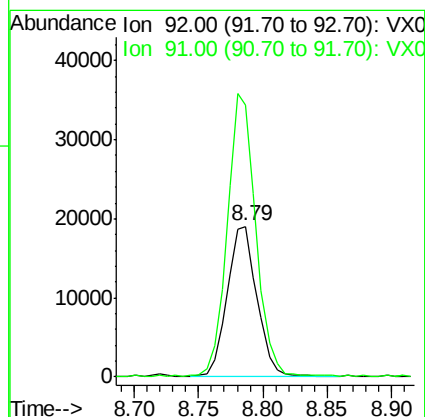
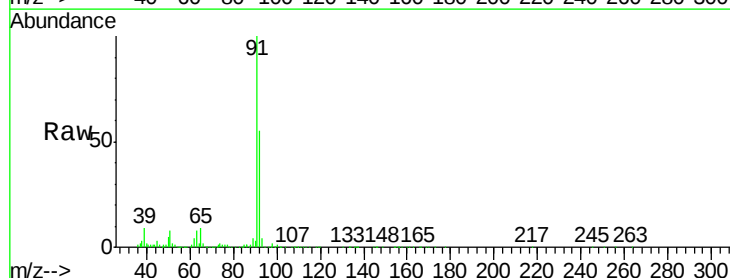
Acq: 14 Feb 2019 16:22

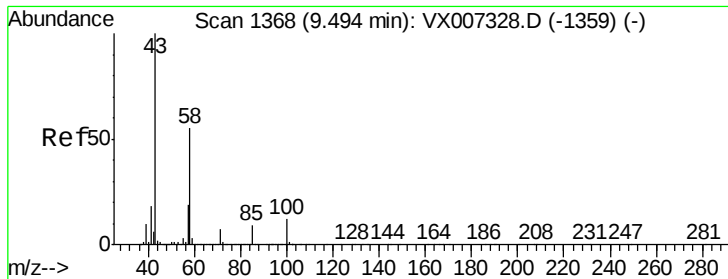
Tgt Ion: 92 Resp: 31117

Ion Ratio Lower Upper

92 100

91 176.4 139.1 208.7

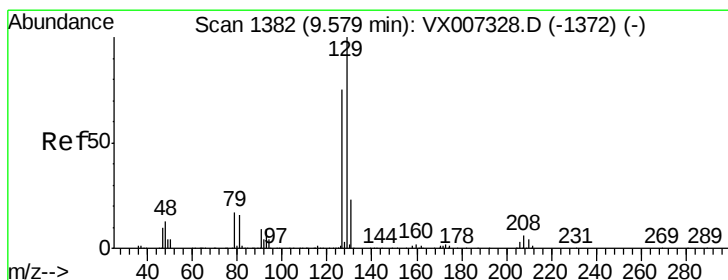
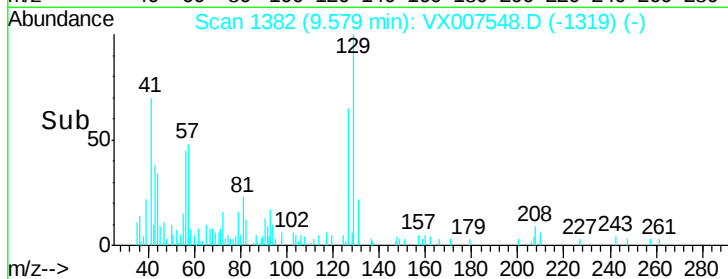
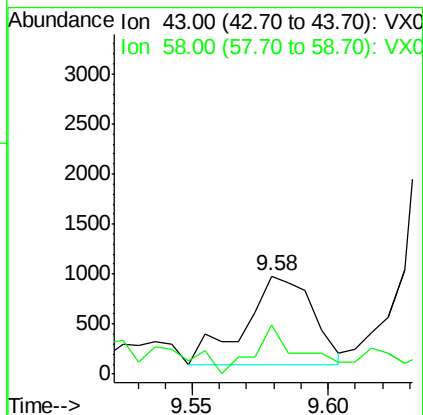
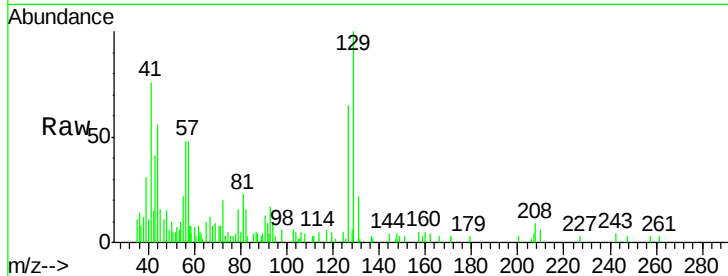




#59
2-Hexanone
Concen: 0.278 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.09 min
Lab File: VX007548.D
Acq: 14 Feb 2019 16:22

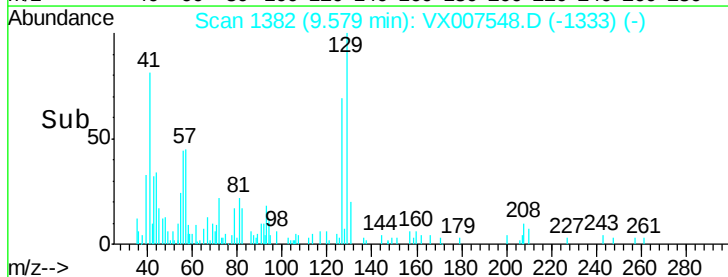
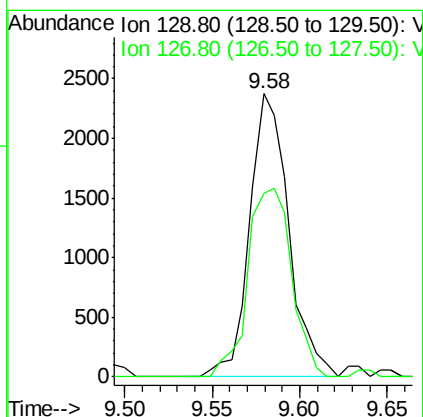
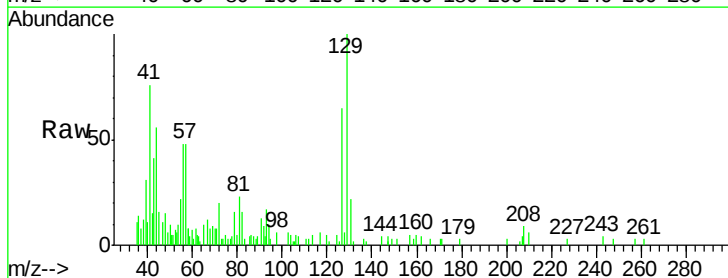
Instrument :
MSVOA_X
ClientSampleId :

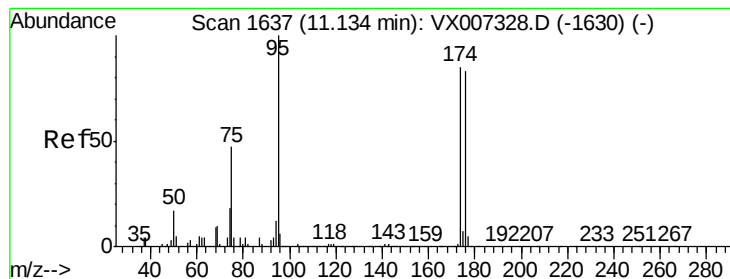
Tot Ion: 43 Resp: 1550
Ion Ratio Lower Upper
43 100
58 40.1 27.1 81.3



#60
Dibromochloromethane
Concen: 0.707 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007548.D
Acq: 14 Feb 2019 16:22

Tgt Ion: 129 Resp: 3689
Ion Ratio Lower Upper
129 100
127 74.5 37.8 113.4





#62

4-Bromofluorobenzene

Concen: 49.355 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007548.D

Acq: 14 Feb 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

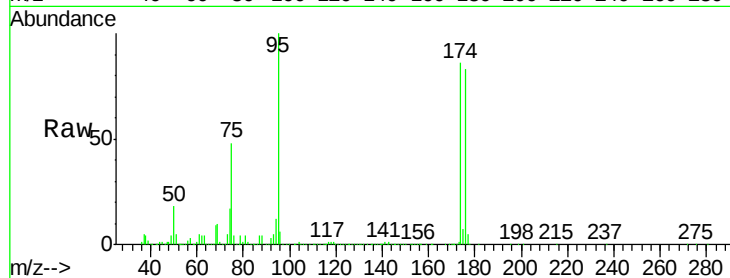
Tot Ion: 95 Resp: 337839

Ion Ratio Lower Upper

95 100

174 92.5 0.0 189.2

176 88.7 0.0 186.2

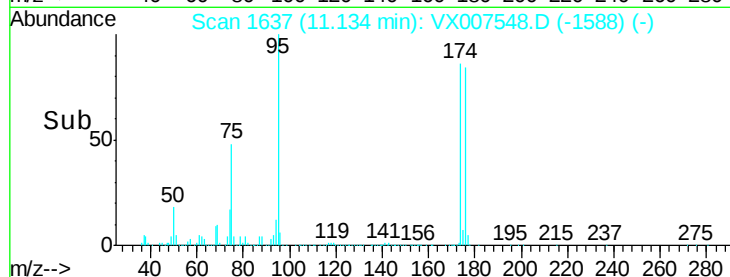


Abundance Ion 94.90 (94.60 to 95.60): VX007328.D (-1630) (-)

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

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

Time-->

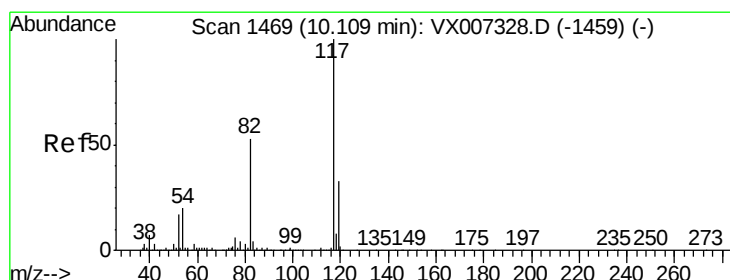


Abundance Ion 94.90 (94.60 to 95.60): VX007548.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007548.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007548.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007548.D

Acq: 14 Feb 2019 16:22

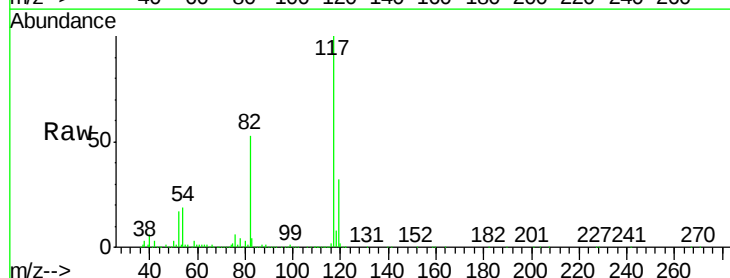
Tgt Ion: 117 Resp: 735549

Ion Ratio Lower Upper

117 100

82 52.7 42.1 63.1

119 32.0 26.5 39.7

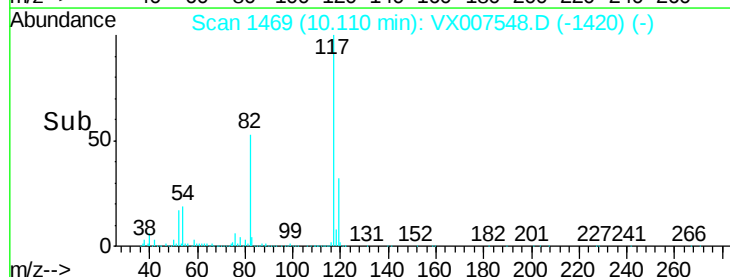


Abundance Ion 116.90 (116.60 to 117.60): VX007328.D (-1459) (-)

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

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

Time-->

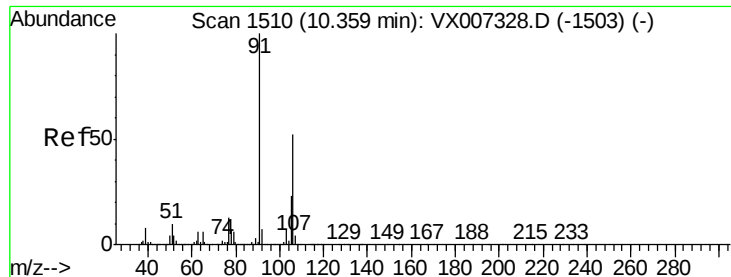


Abundance Ion 116.90 (116.60 to 117.60): VX007548.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX007548.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX007548.D (-1420) (-)

Time-->



#68

m/p-Xvlenes

Concen: 0.364 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX007548.D

Acq: 14 Feb 2019 16:22

Instrument :

MSVOA_X

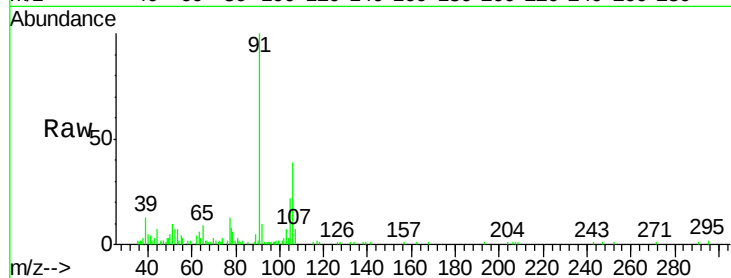
ClientSampled :

Tot Ion:106 Resp: 3737

Ion Ratio Lower Upper

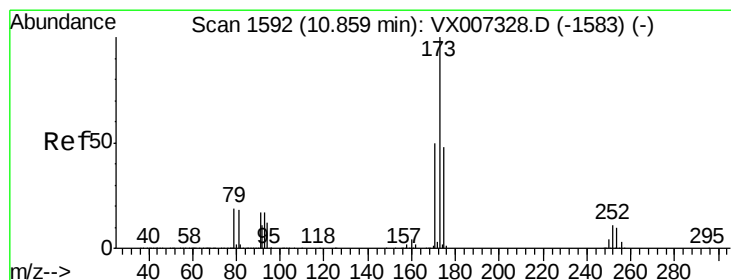
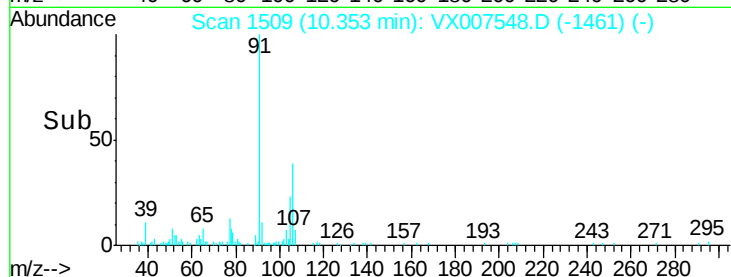
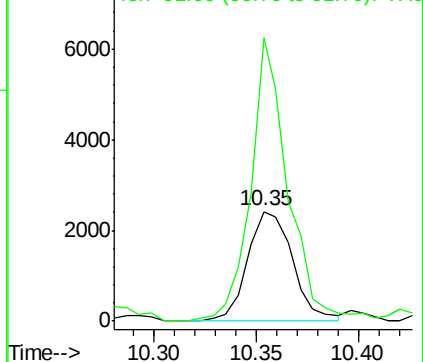
106 100

91 213.3 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#71

Bromoform

Concen: 4.084 ug/l

RT: 10.87 min Scan# 1593

Delta R.T. 0.01 min

Lab File: VX007548.D

Acq: 14 Feb 2019 16:22

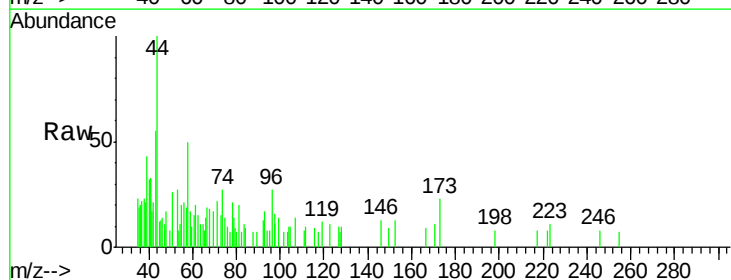
Tgt Ion:173 Resp: 280

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

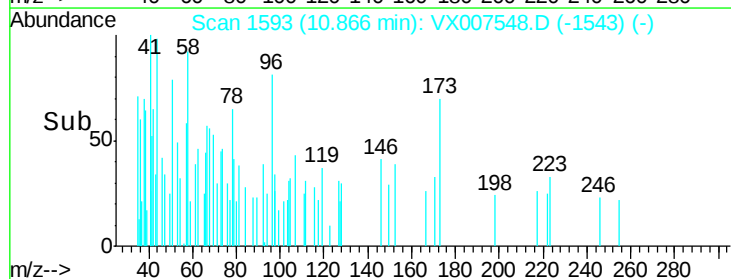
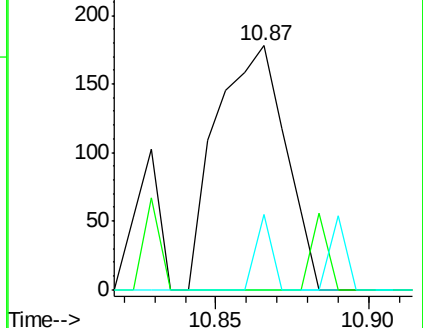
254 7.1 0.2 0.2#

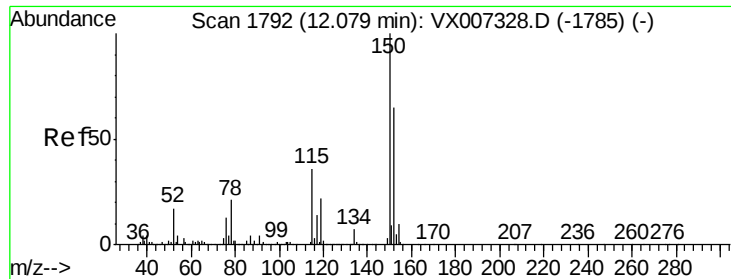


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



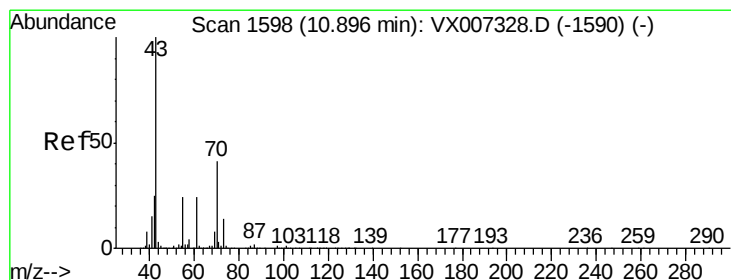
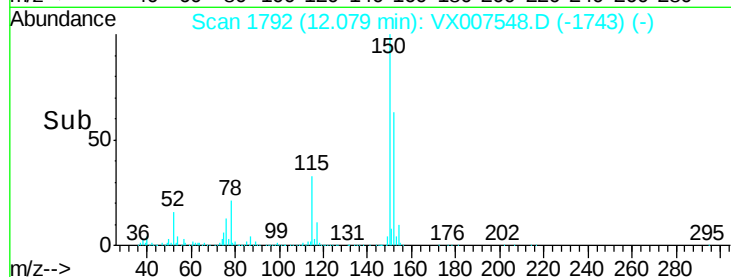
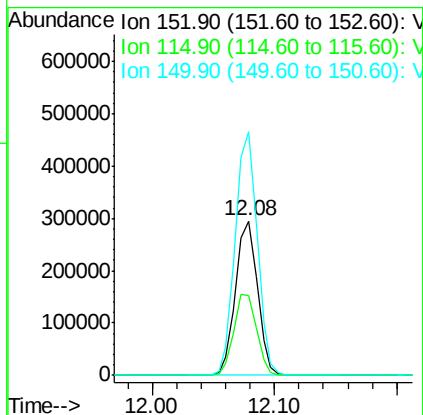
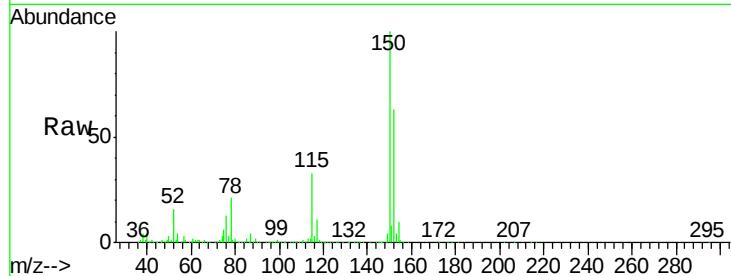


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007548.D
Acq: 14 Feb 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :

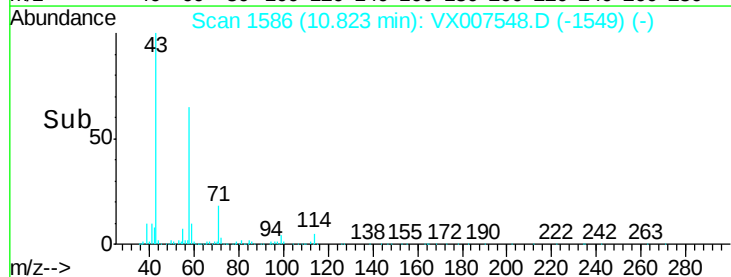
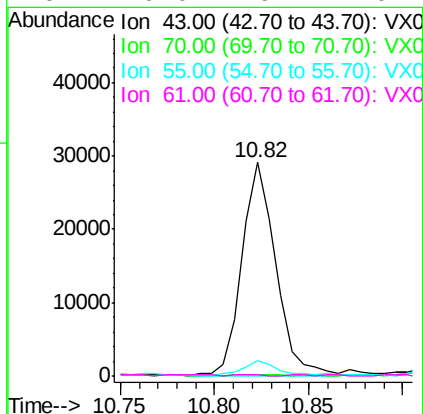
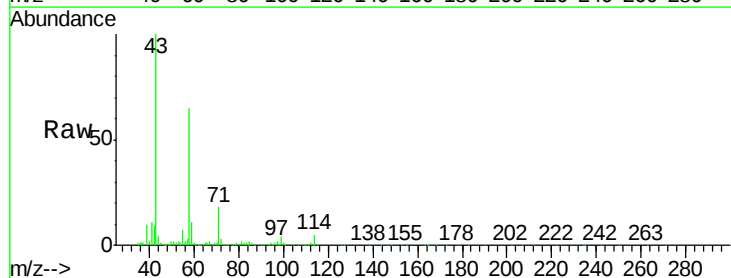
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.4	38.0	114.0
150	158.1	0.0	346.4

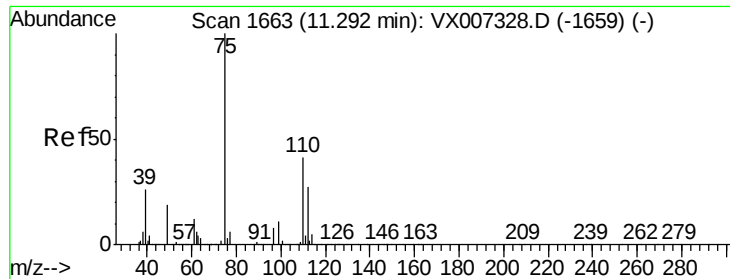


#74

N-ethyl acetate
Concen: 3.812 ug/l
RT: 10.82 min Scan# 1586
Delta R.T. -0.07 min
Lab File: VX007548.D
Acq: 14 Feb 2019 16:22

Tgt Ion	Ratio	Lower	Upper
43	100		
70	1.6	33.8	50.6#
55	7.2	19.5	29.3#
61	0.0	19.4	29.2#





#76

1,2,3-Trichloropropane

Concen: 22.332 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007548.D

Acq: 14 Feb 2019 16:22

Instrument :

MSVOA_X

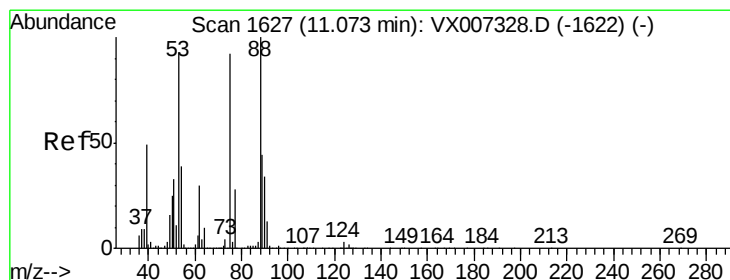
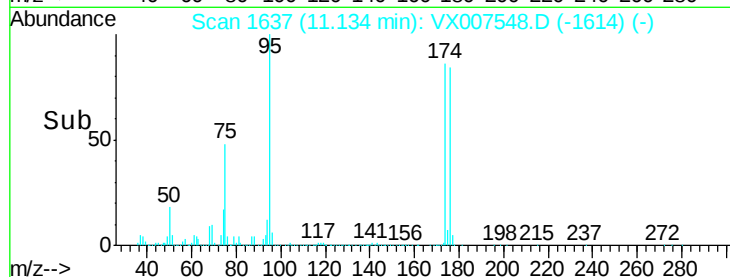
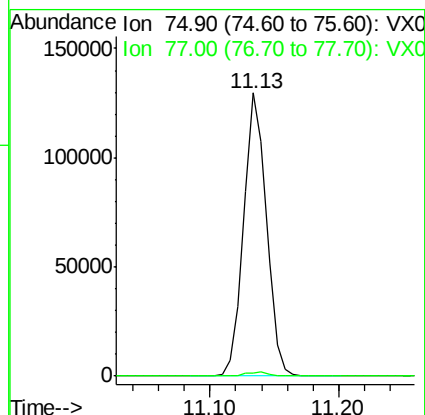
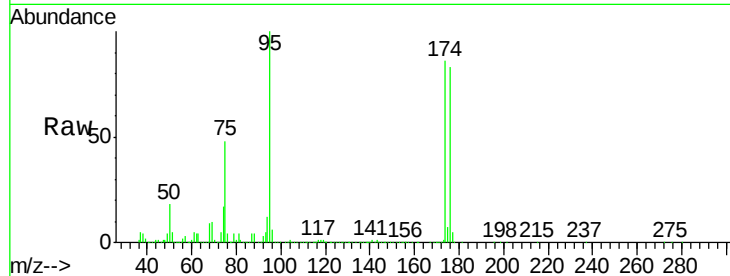
ClientSampleId :

Tot Ion: 75 Resp: 158536

Ion Ratio Lower Upper

75 100

77 1.7 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.417 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007548.D

Acq: 14 Feb 2019 16:22

Tgt Ion: 75 Resp: 158536

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 41.4 62.0#

