

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX013019\
 Data File : VX007316.D
 Acq On : 30 Jan 2019 15:51
 Operator : JC/SP
 Sample : K1282-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

Quant Time: Jan 31 00:24:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	517818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	800068	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	779920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	369162	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	279988	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
35) Dibromofluoromethane	5.50	113	252677	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
50) Toluene-d8	8.71	98	983847	52.46	ug/l	0.00
Spiked Amount			Recovery	=	104.92%	
62) 4-Bromofluorobenzene	11.13	95	342672	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	

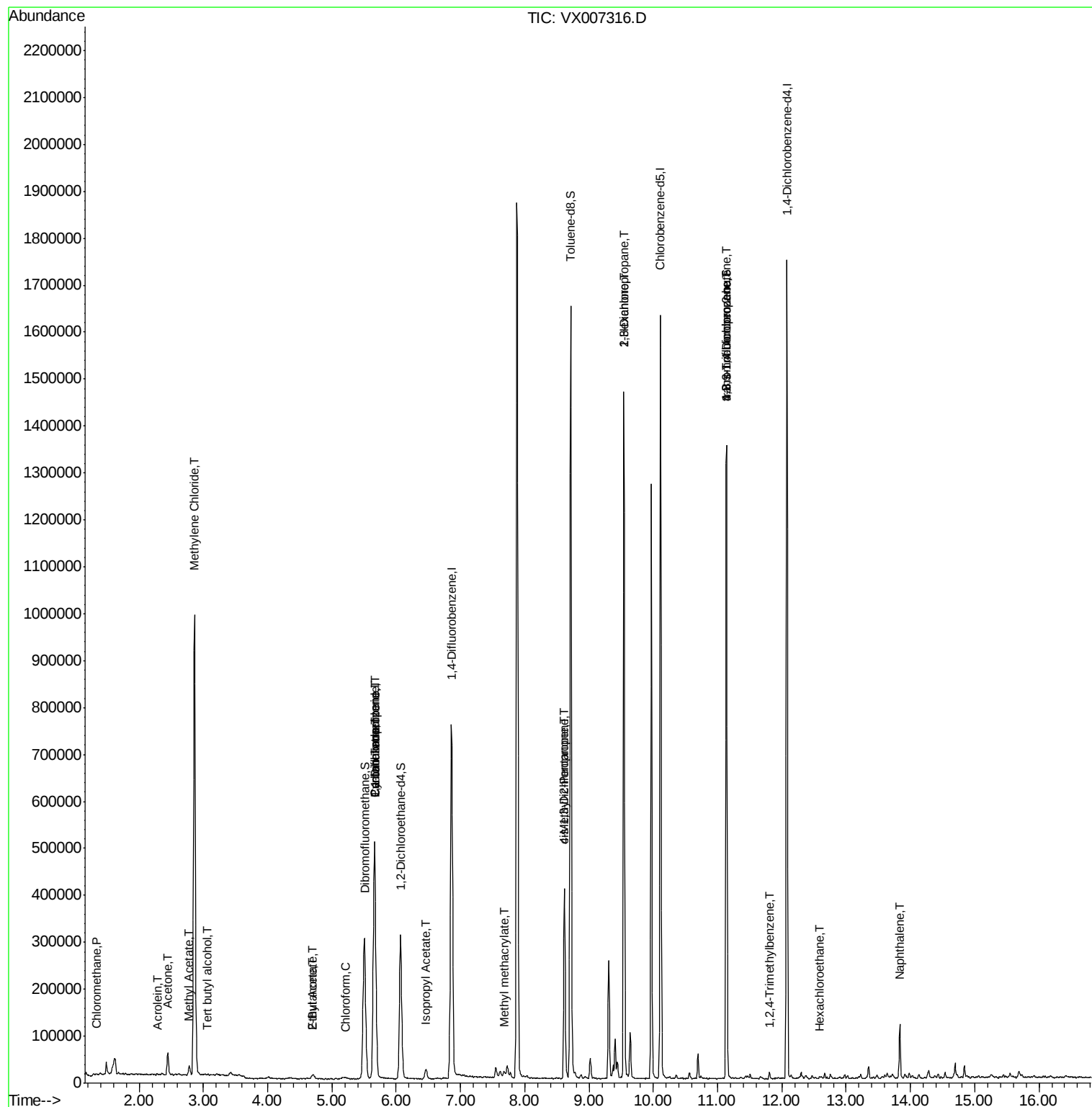
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1274	0.257	ug/l #	84
11) Tert butyl alcohol	3.06	59	1967	1.541	ug/l	97
13) Acrolein	2.29	56	569	4.105	ug/l #	81
16) Acetone	2.45	43	52233	19.524	ug/l	99
18) Methyl Acetate	2.78	43	25901	3.343	ug/l	95
20) Methylene Chloride	2.86	84	458504	90.565	ug/l	93
25) 2-Butanone	4.70	43	18486	4.829	ug/l	96
30) Chloroform	5.22	83	3524	0.393	ug/l	92
31) Cyclohexane	5.67	56	9418	1.234	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	34000	4.888	ug/l #	49
37) Ethyl Acetate	4.70	43	18486	2.479	ug/l #	68
38) Carbon Tetrachloride	5.67	117	46960	6.710	ug/l #	14
43) Isopropyl Acetate	6.46	43	26534	2.256	ug/l	95
48) Methyl methacrylate	7.68	41	15294	2.532	ug/l #	12
49) 1,4-Dioxane	7.76	88	46	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.62	43	132176	17.484	ug/l #	49
54) cis-1,3-Dichloropropene	8.62	75	64223	8.216	ug/l #	65
57) 1,3-Dichloropropane	9.54	76	12967	1.450	ug/l #	47
59) 2-Hexanone	9.54	43	162690	28.241	ug/l #	50
76) 1,2,3-Trichloropropane	11.13	75	165998	22.190	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	165998	65.681	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	6020	0.275	ug/l	95
90) Hexachloroethane	12.59	117	353	2.998	ug/l #	6
95) Naphthalene	13.83	128	73045	2.746	ug/l	99

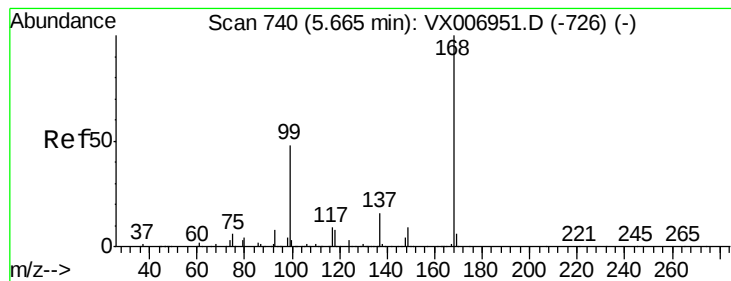
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX013019\
Data File : VX007316.D
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Instrument :
MSVOA_X
ClientSampled :
TP-2

Quant Time: Jan 31 00:24:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007316.D

Acq: 30 Jan 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

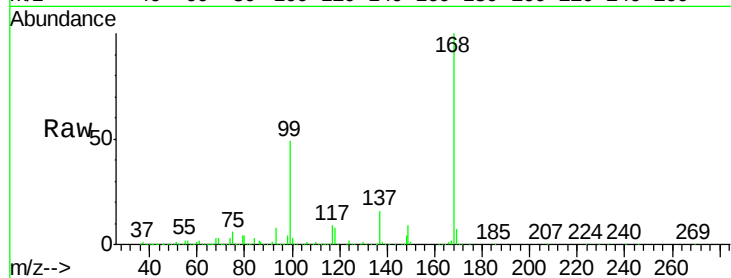
TP-2

Tot Ion:168 Resp: 517818

Ion Ratio Lower Upper

168 100

99 48.9 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

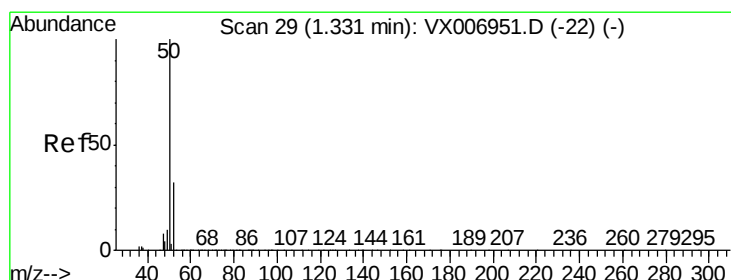
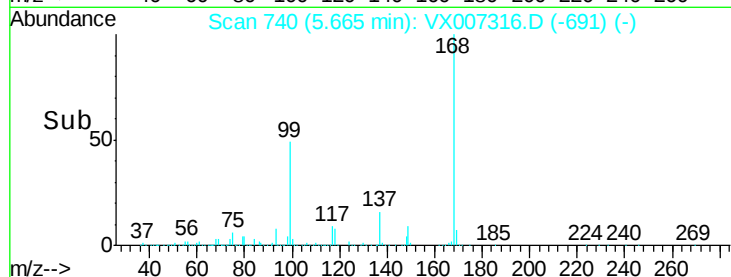
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.257 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007316.D

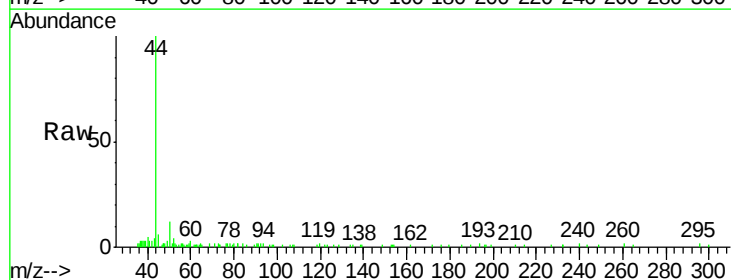
Acq: 30 Jan 2019 15:51

Tgt Ion: 50 Resp: 1274

Ion Ratio Lower Upper

50 100

52 40.7 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

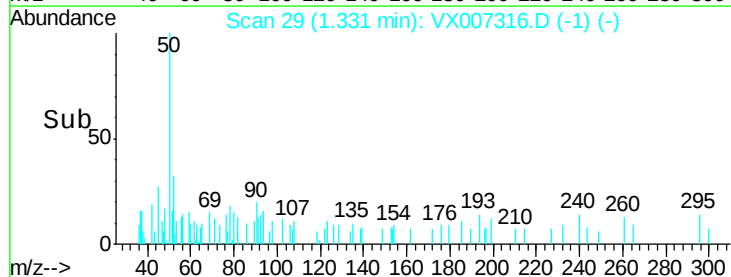
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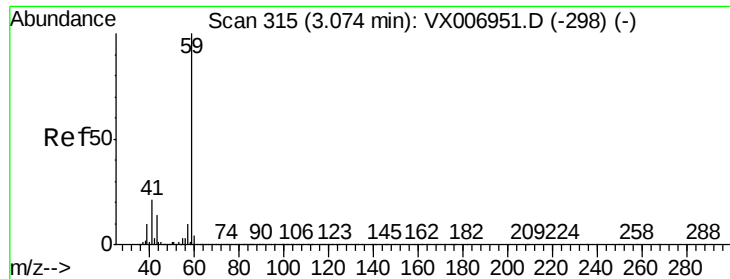
400

200

0

Time--> 1.30 1.35



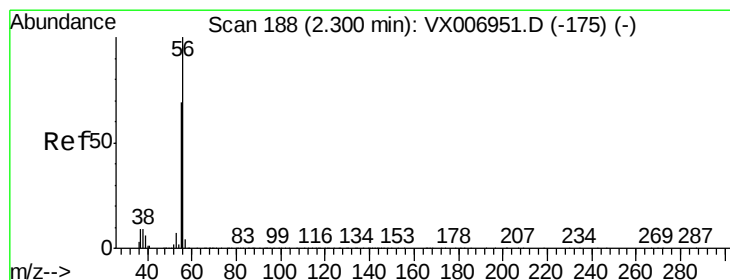
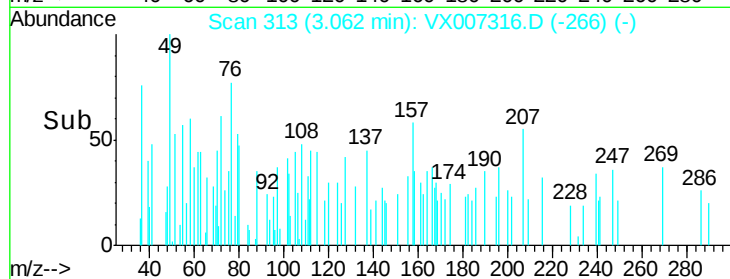
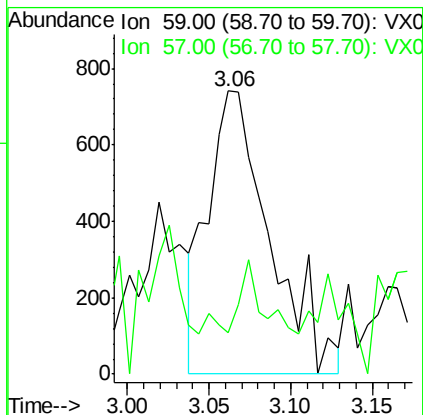
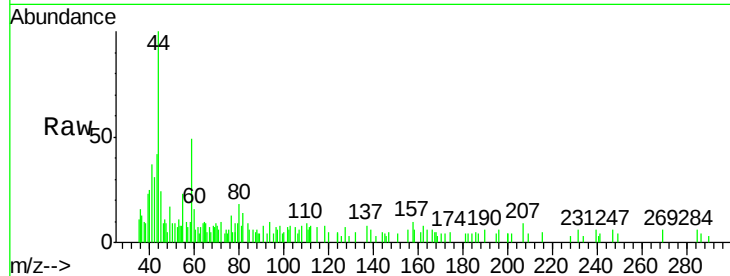


#11

Tert butyl alcohol
Concen: 1.541 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX007316.D
Acq: 30 Jan 2019 15:51

Instrument :
MSVOA_X
ClientSampled :
TP-2

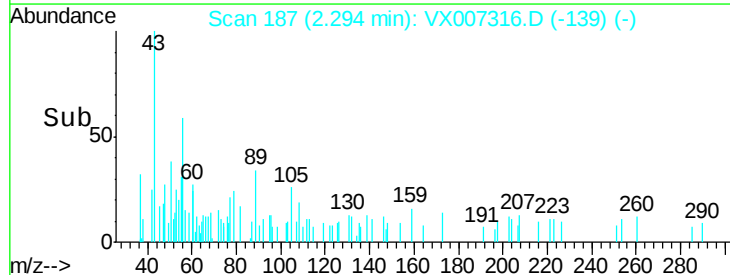
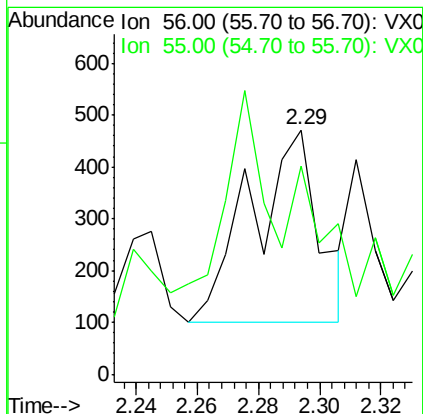
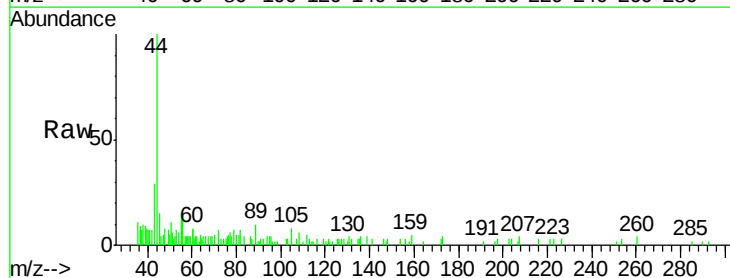
Tot Ion: 59 Resp: 1967
Ion Ratio Lower Upper
59 100
57 9.4 8.5 12.7

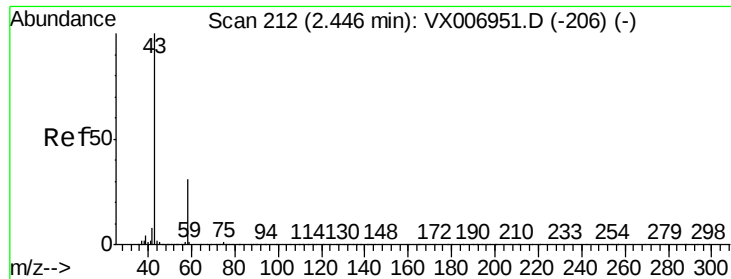


#13

Acrolein
Concen: 4.105 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX007316.D
Acq: 30 Jan 2019 15:51

Tgt Ion: 56 Resp: 569
Ion Ratio Lower Upper
56 100
55 56.6 58.2 87.4#

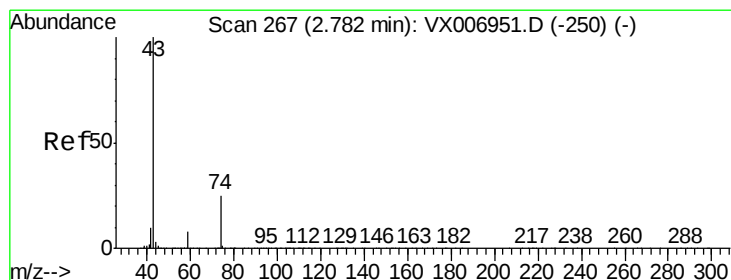
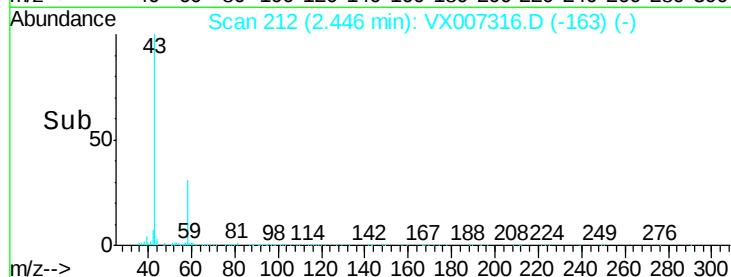
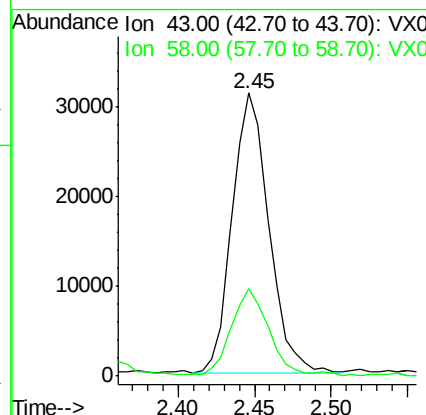
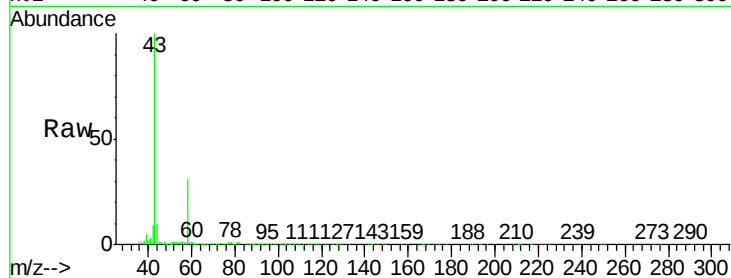




#16
Acetone
Concen: 19.524 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007316.D
Acq: 30 Jan 2019 15:51

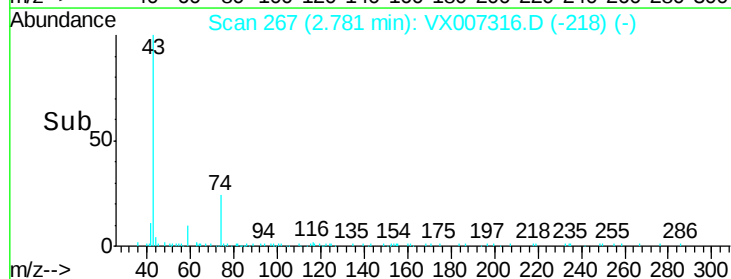
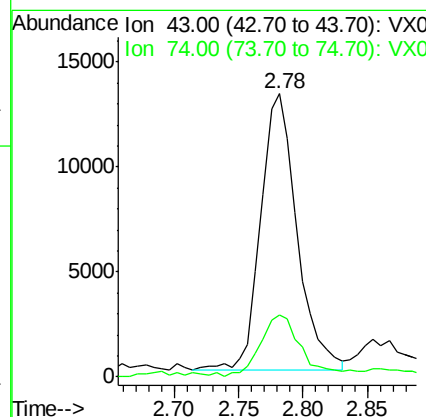
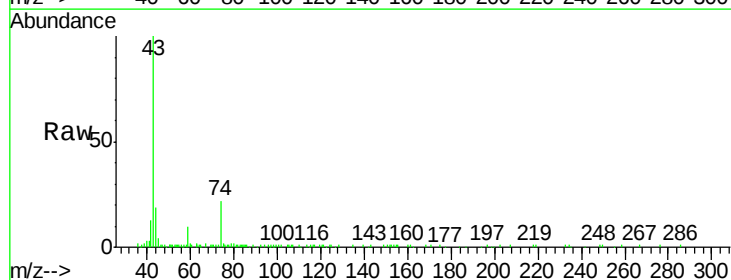
Instrument :
MSVOA_X
ClientSampled :
TP-2

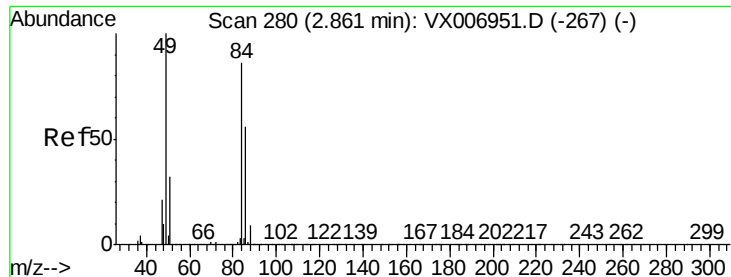
Tot Ion: 43 Resp: 52233
Ion Ratio Lower Upper
43 100
58 30.9 25.0 37.6



#18
Methyl Acetate
Concen: 3.343 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007316.D
Acq: 30 Jan 2019 15:51

Tgt Ion: 43 Resp: 25901
Ion Ratio Lower Upper
43 100
74 25.7 18.6 28.0

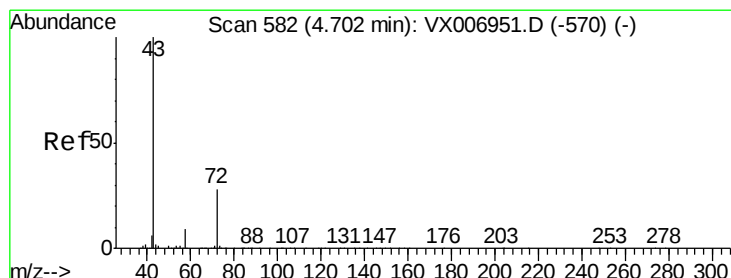
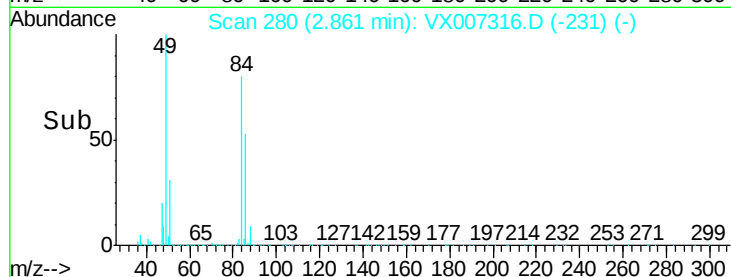
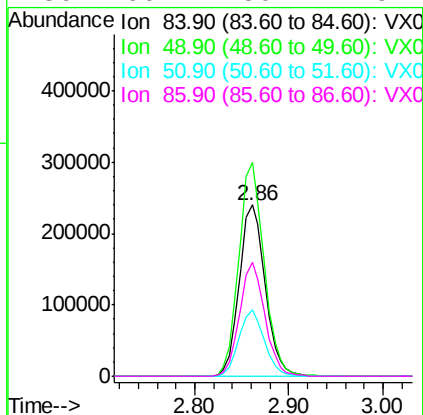
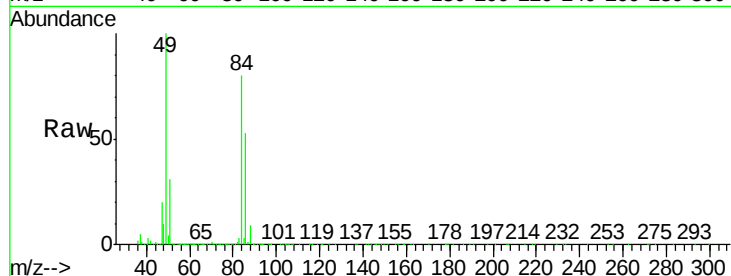




#20
Methvlene Chloride
Concen: 90.565 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007316.D
Acq: 30 Jan 2019 15:51

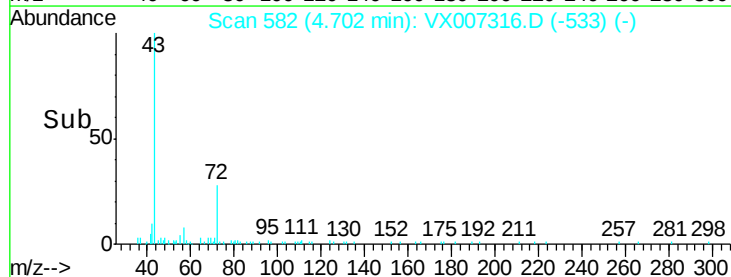
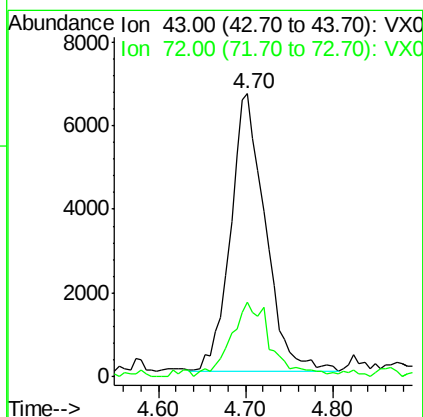
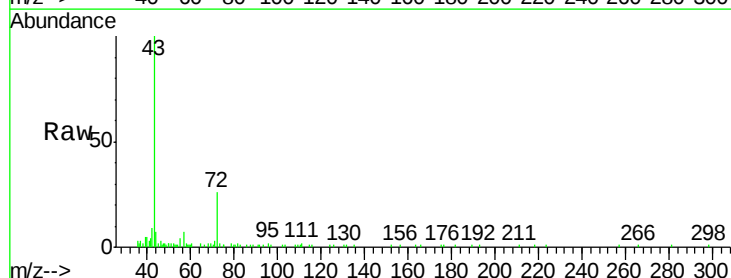
Instrument :
MSVOA_X
ClientSampled :
TP-2

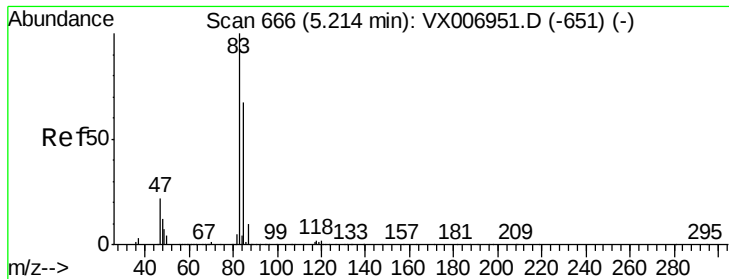
Tot Ion: 84 Resp: 458504
Ion Ratio Lower Upper
84 100
49 124.8 91.8 137.6
51 38.8 28.5 42.7
86 66.4 50.2 75.2



#25
2-Butanone
Concen: 4.829 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX007316.D
Acq: 30 Jan 2019 15:51

Tgt Ion: 43 Resp: 18486
Ion Ratio Lower Upper
43 100
72 25.7 22.4 33.6

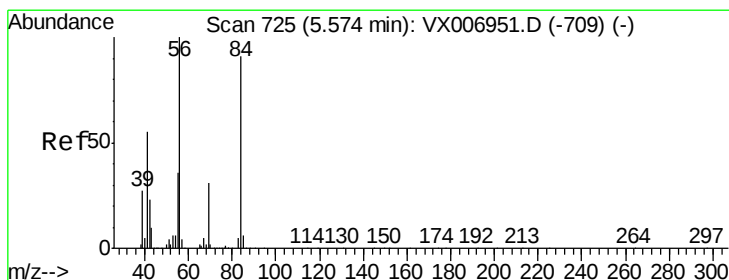
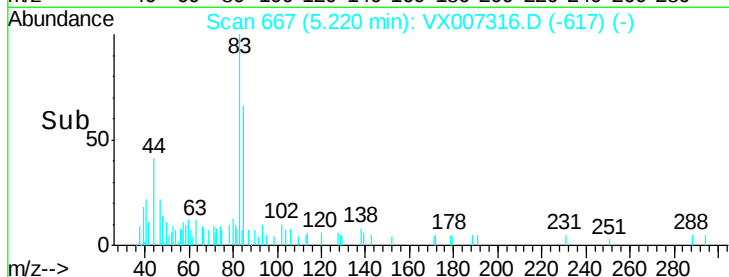
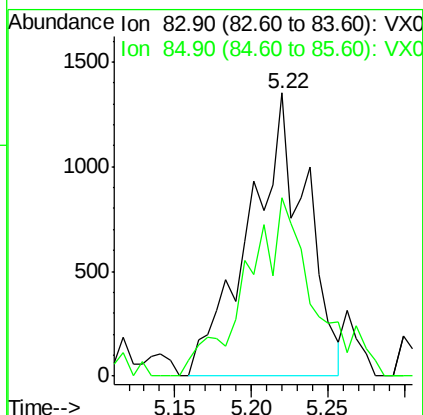
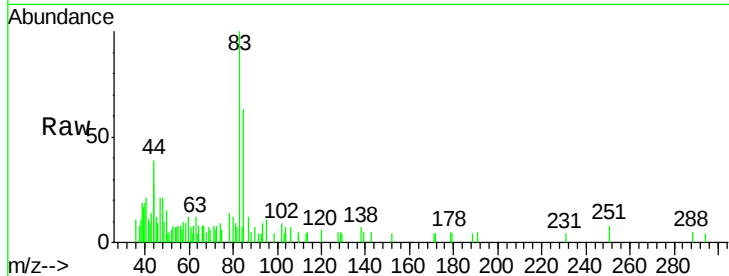




#30
Chloroform
Concen: 0.393 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX007316.D
Acq: 30 Jan 2019 15:51

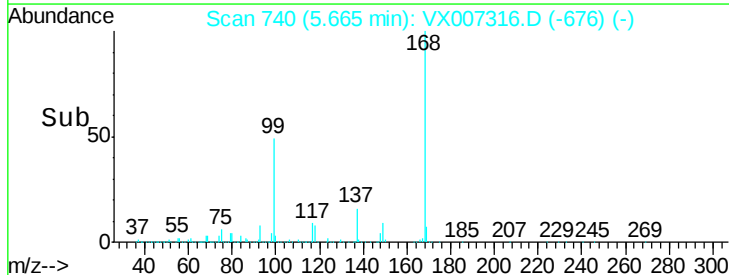
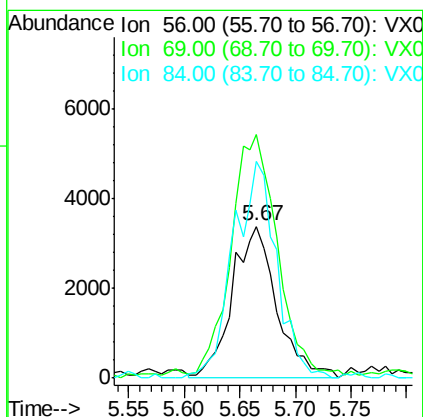
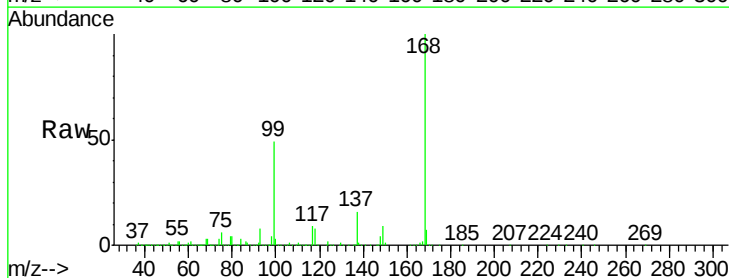
Instrument :
MSVOA_X
ClientSampled :
TP-2

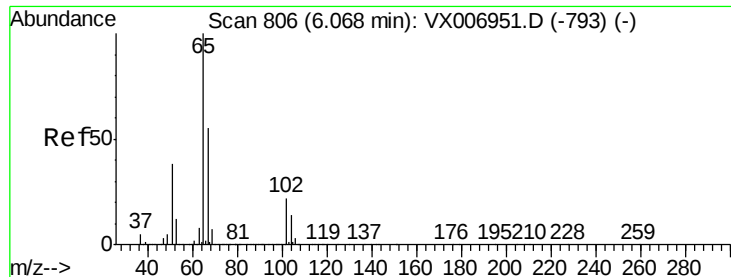
Tot Ion: 83 Resp: 3524
Ion Ratio Lower Upper
83 100
85 57.5 51.2 76.8



#31
Cyclohexane
Concen: 1.234 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007316.D
Acq: 30 Jan 2019 15:51

Tgt Ion: 56 Resp: 9418
Ion Ratio Lower Upper
56 100
69 157.8 24.4 36.6#
84 142.8 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 51.738 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007316.D

Acq: 30 Jan 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

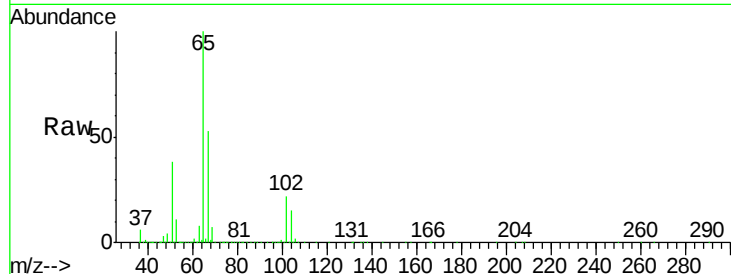
TP-2

Tot Ion: 65 Resp: 279988

Ion Ratio Lower Upper

65 100

67 53.4 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

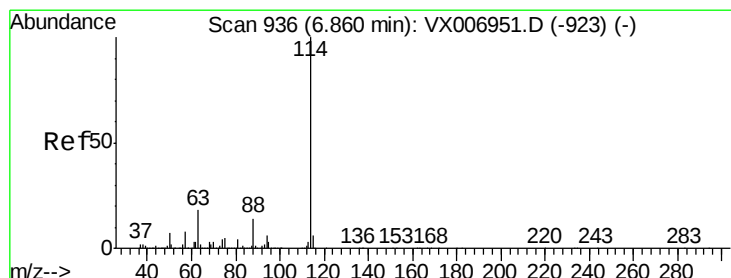
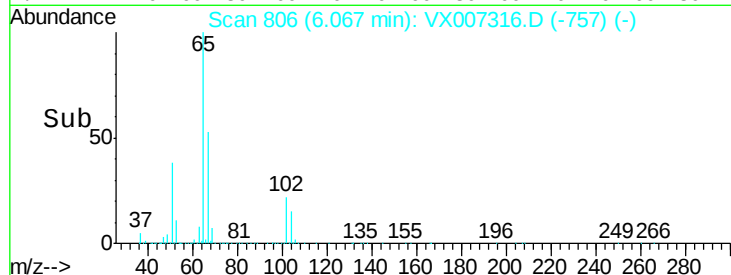
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007316.D

Acq: 30 Jan 2019 15:51

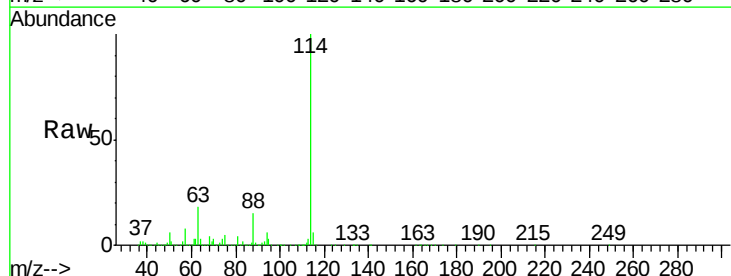
Tgt Ion: 114 Resp: 800068

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.8

88 14.7 0.0 28.8



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

6.86

400000

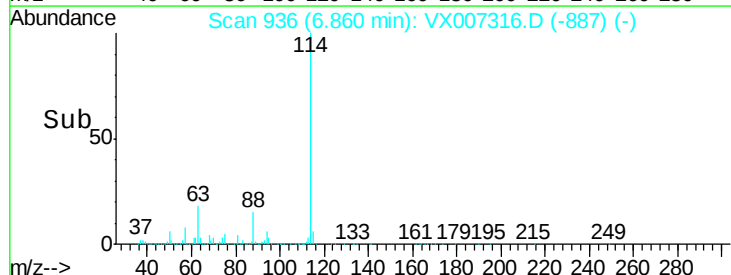
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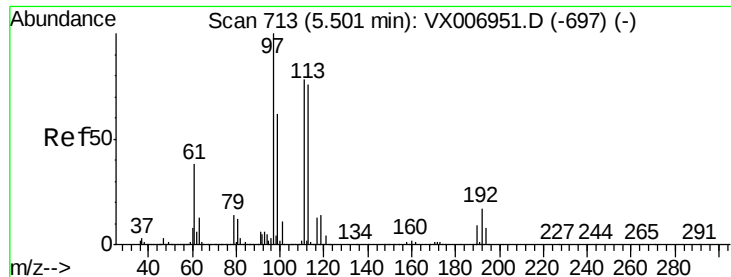
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 49.316 ug/l

RT: 5.50 min Scan# 713

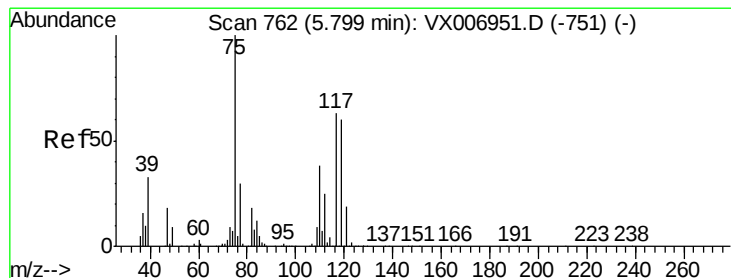
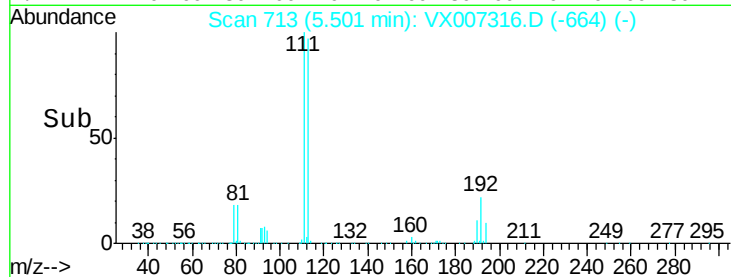
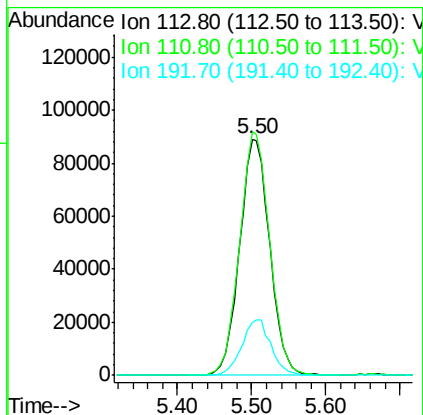
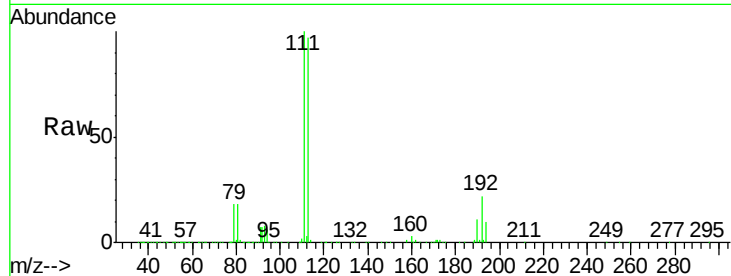
Delta R.T. -0.00 min

Lab File: VX007316.D

Acq: 30 Jan 2019 15:51

Instrument :
MSVOA_X
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.6	122.4
192	22.9	16.7	25.1



#36

1,1-Dichloropropene

Concen: 4.888 ug/l

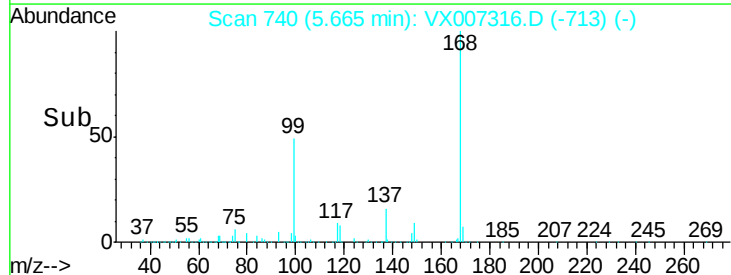
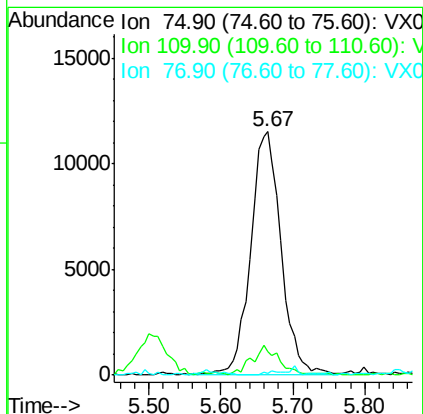
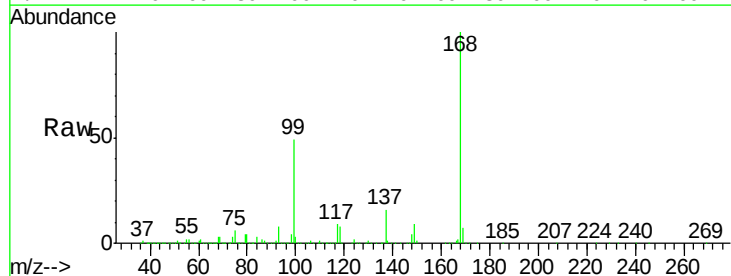
RT: 5.67 min Scan# 740

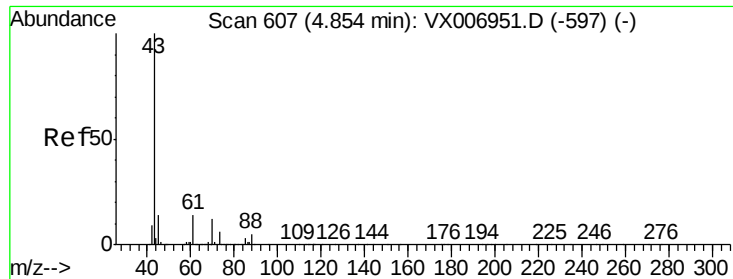
Delta R.T. -0.13 min

Lab File: VX007316.D

Acq: 30 Jan 2019 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	20.2	60.5#
77	0.9	24.8	37.2#

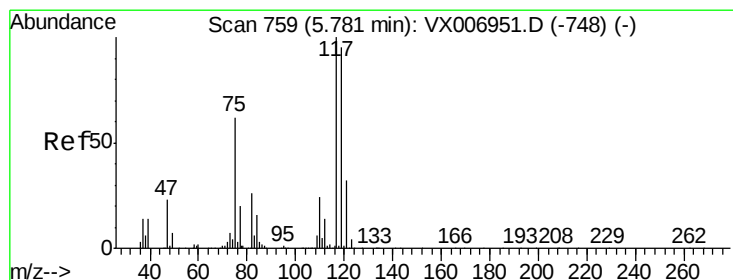
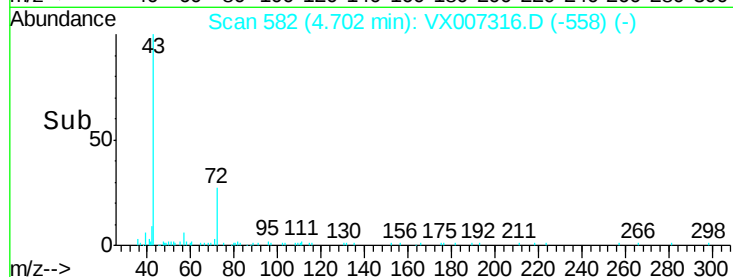
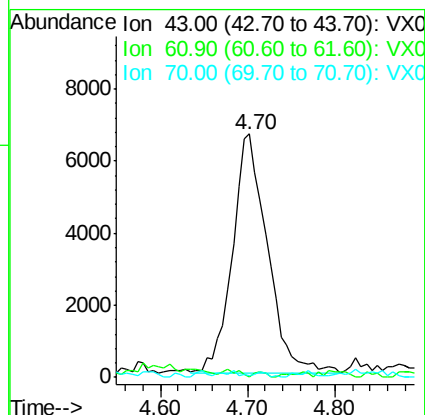
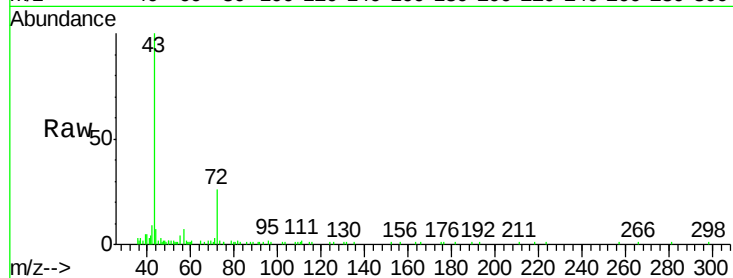




#37
Ethyl Acetate
Concen: 2.479 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.15 min
Lab File: VX007316.D
Acq: 30 Jan 2019 15:51

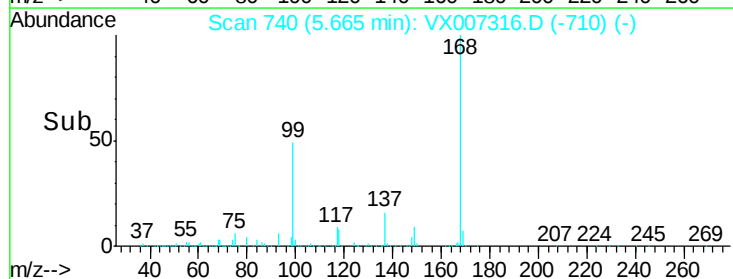
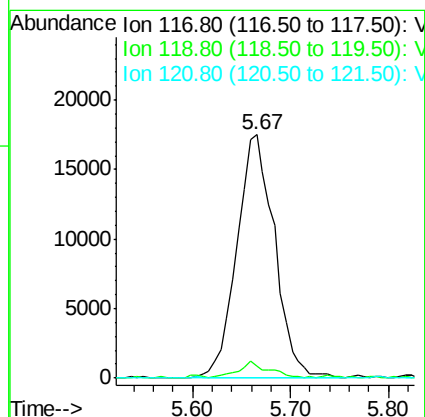
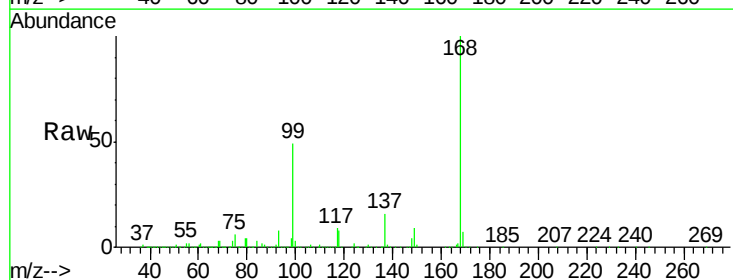
Instrument :
MSVOA_X
ClientSampleId :
TP-2

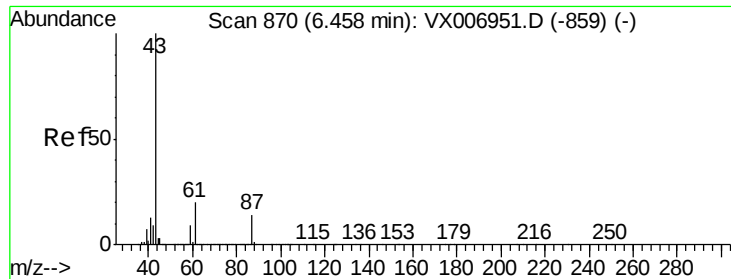
Tot Ion: 43 Resp: 18486
Ion Ratio Lower Upper
43 100
61 0.7 11.9 17.9#
70 0.8 9.7 14.5#



#38
Carbon Tetrachloride
Concen: 6.710 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX007316.D
Acq: 30 Jan 2019 15:51

Tgt Ion: 117 Resp: 46960
Ion Ratio Lower Upper
117 100
119 4.5 79.4 119.2#
121 0.0 24.0 36.0#



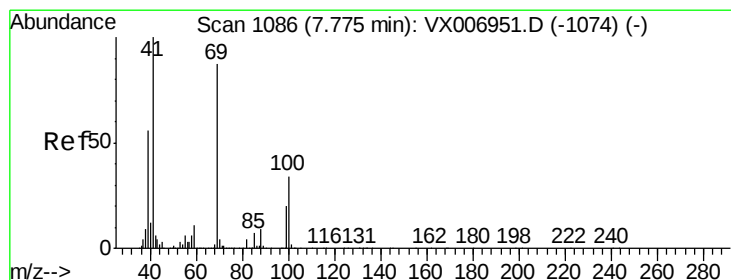
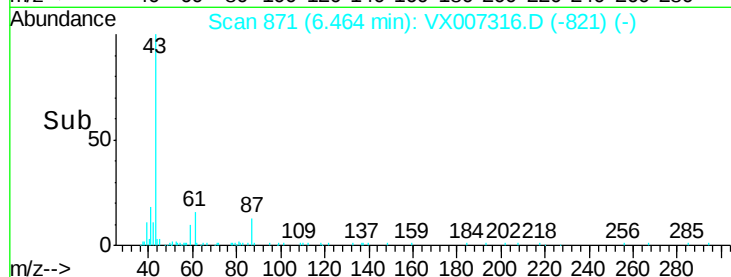
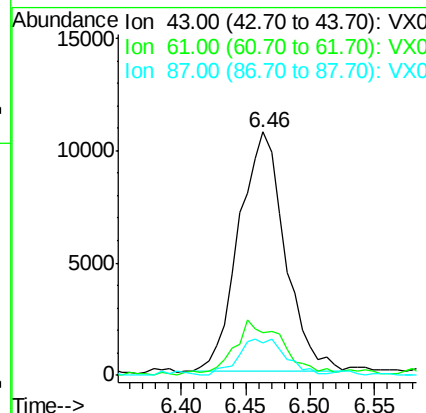
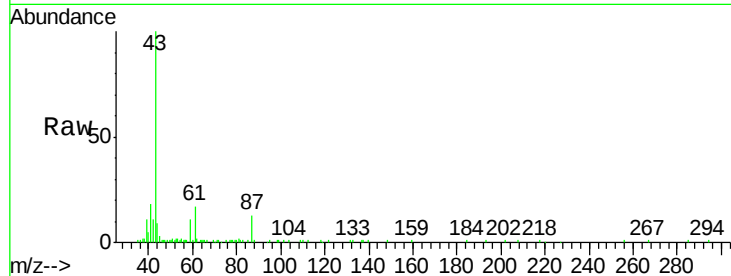


#43

Isopropyl Acetate
 Concen: 2.256 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX007316.D
 Acq: 30 Jan 2019 15:51

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

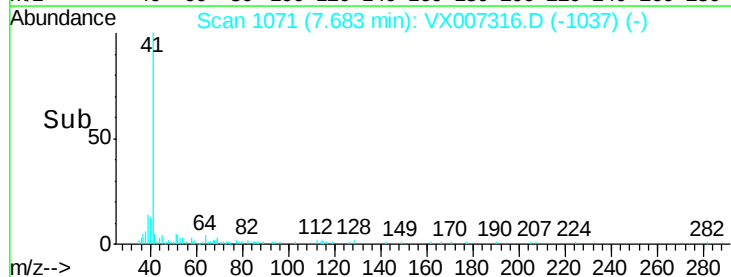
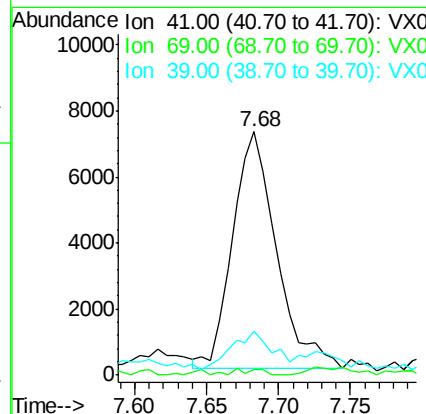
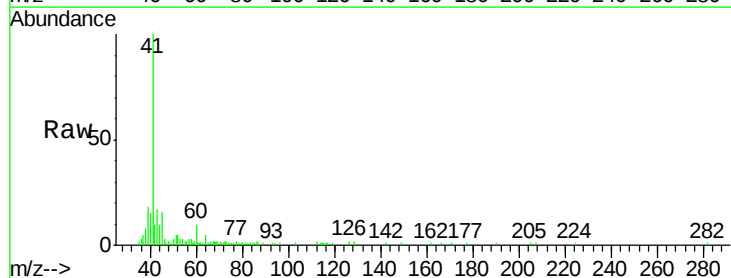
Tot Ion	Ratio	Lower	Upper
43	100		
61	24.9	16.8	25.2
87	15.7	12.4	18.6

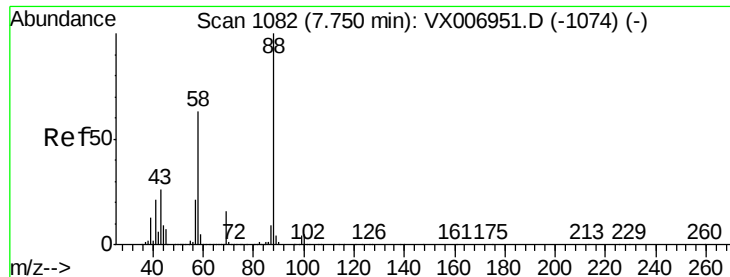


#48

Methyl methacrylate
 Concen: 2.532 ug/l
 RT: 7.68 min Scan# 1071
 Delta R.T. -0.09 min
 Lab File: VX007316.D
 Acq: 30 Jan 2019 15:51

Tgt Ion	Ratio	Lower	Upper
41	100		
69	1.4	72.4	108.6#
39	0.0	45.8	68.8#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX007316.D

Acq: 30 Jan 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

TP-2

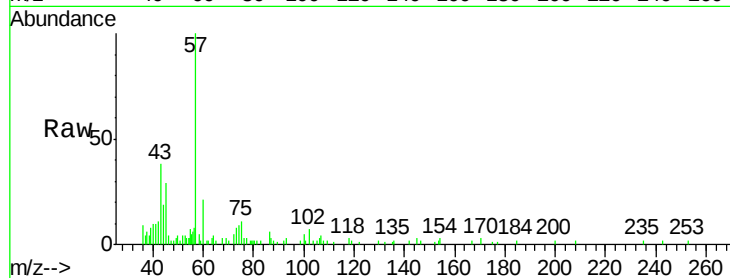
Tot Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

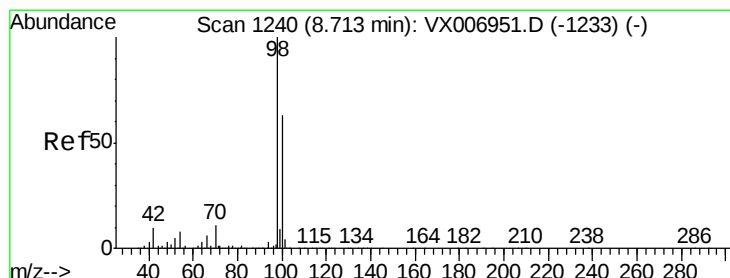
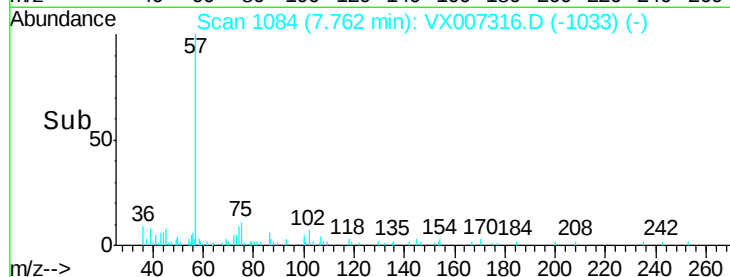
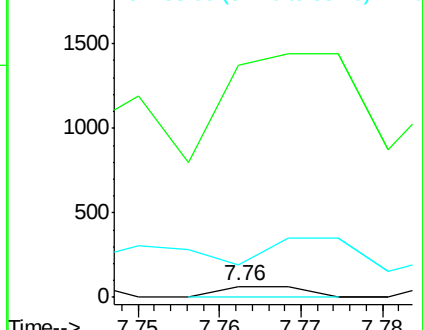
58 754.3 51.0 76.4#



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: 52.461 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007316.D

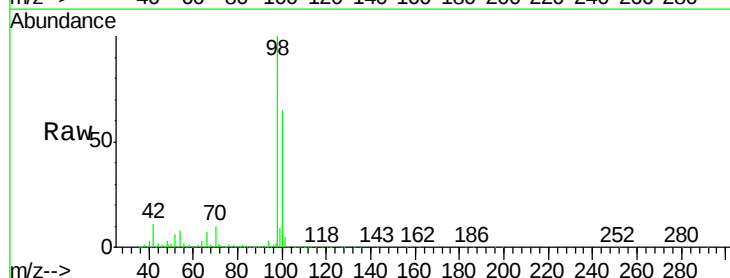
Acq: 30 Jan 2019 15:51

Tgt Ion: 98 Resp: 983847

Ion Ratio Lower Upper

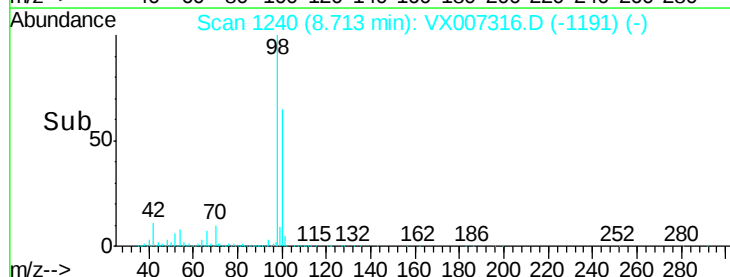
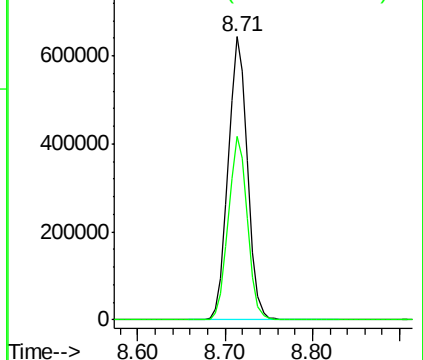
98 100

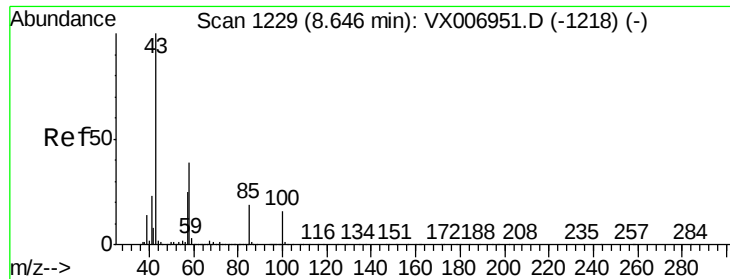
100 64.2 52.0 78.0



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: 17.484 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX007316.D

Acq: 30 Jan 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

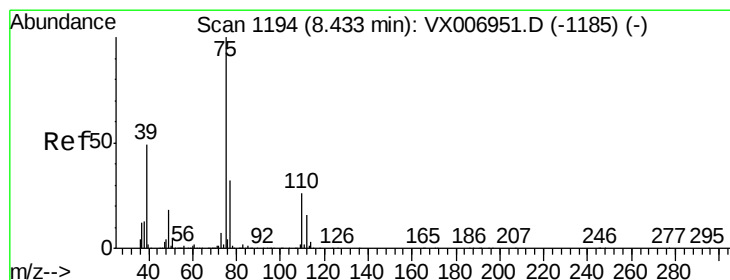
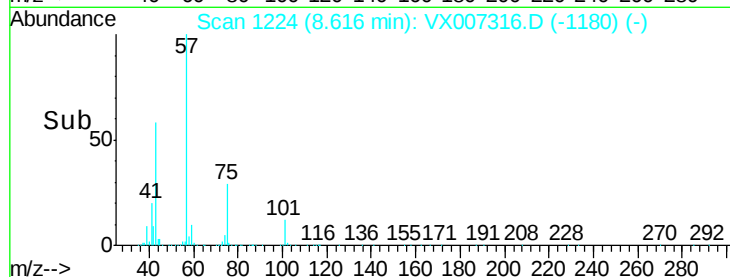
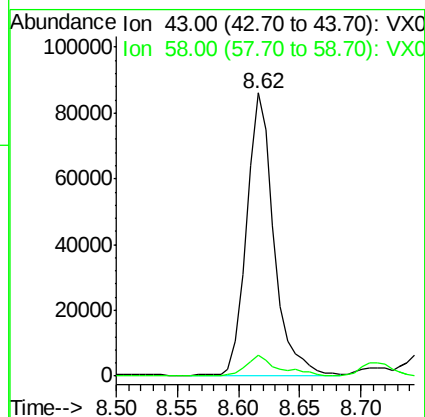
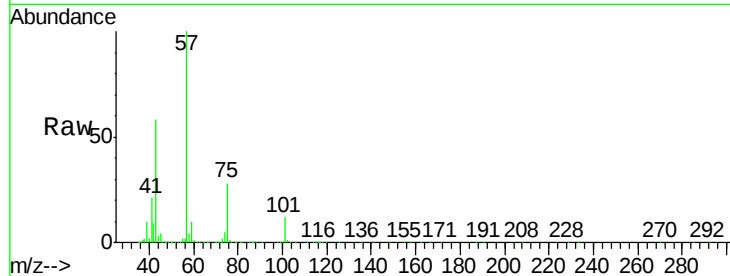
TP-2

Tot Ion: 43 Resp: 132176

Ion Ratio Lower Upper

43 100

58 8.5 31.8 47.6#



#54

cis-1,3-Dichloropropene

Concen: 8.216 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX007316.D

Acq: 30 Jan 2019 15:51

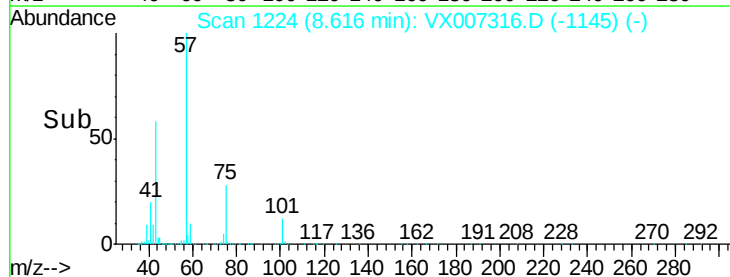
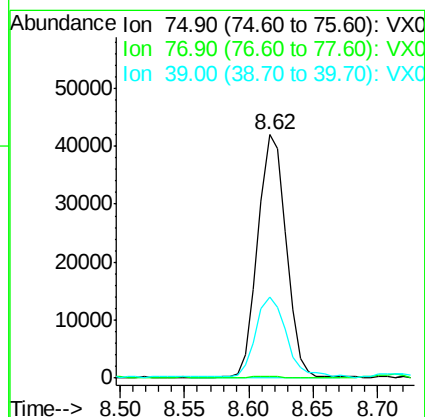
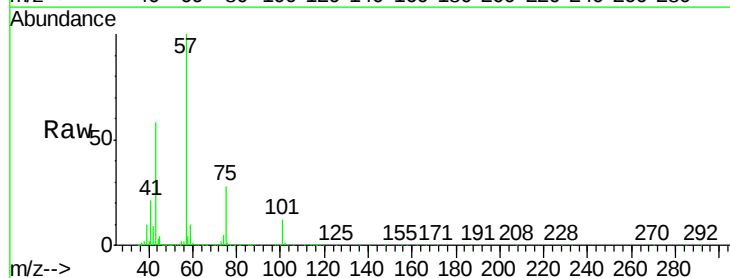
Tgt Ion: 75 Resp: 64223

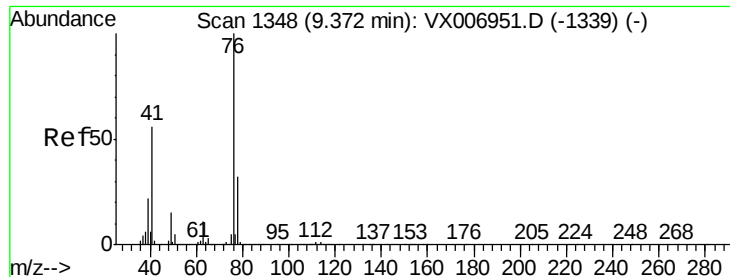
Ion Ratio Lower Upper

75 100

77 0.4 26.2 39.2#

39 32.8 36.7 55.1#





#57

1,3-Dichloropropane

Concen: 1.450 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX007316.D

Acq: 30 Jan 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

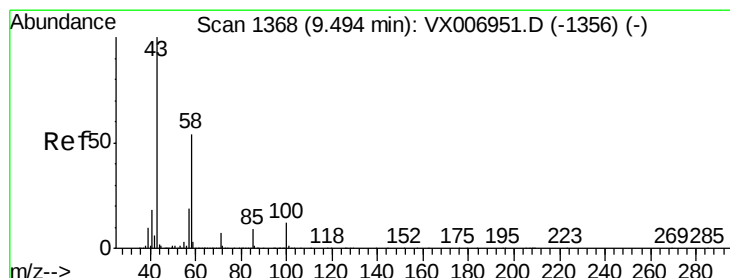
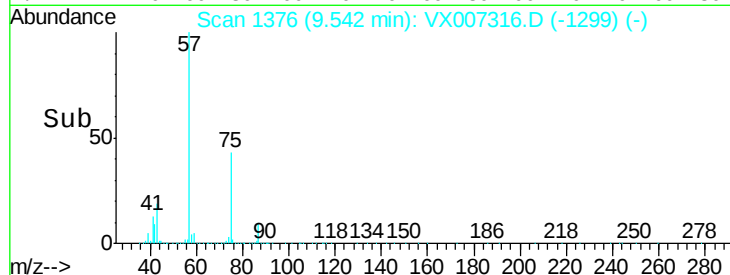
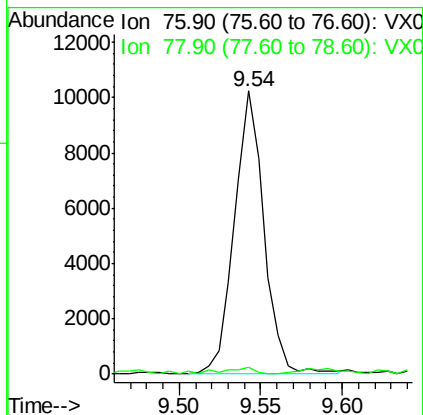
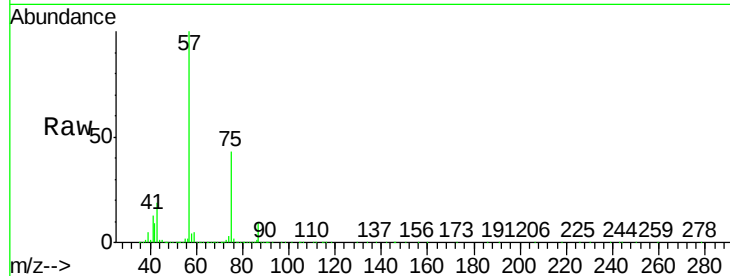
TP-2

Tot Ion: 76 Resp: 12967

Ion Ratio Lower Upper

76 100

78 2.6 26.0 39.0#



#59

2-Hexanone

Concen: 28.241 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX007316.D

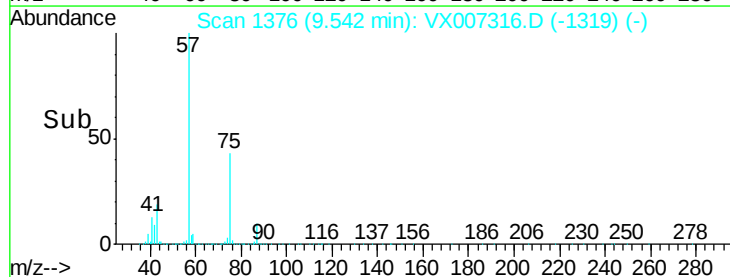
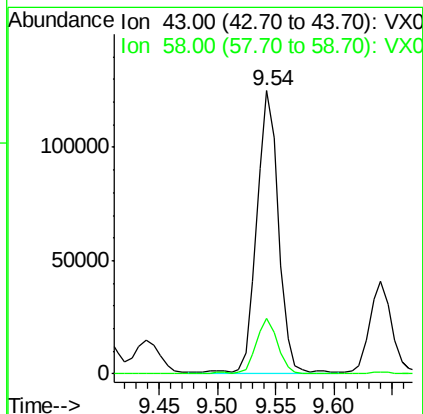
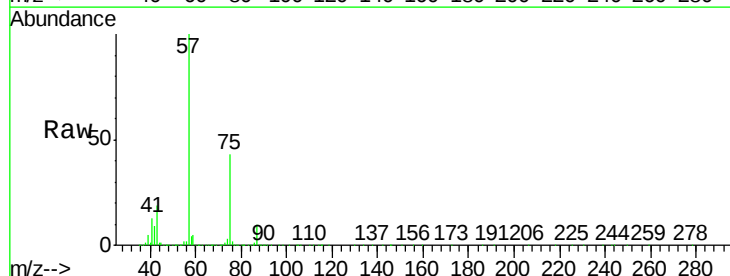
Acq: 30 Jan 2019 15:51

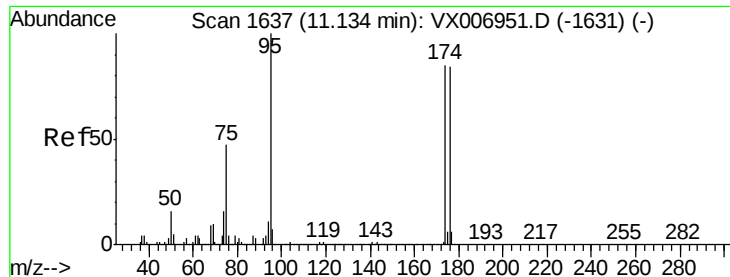
Tgt Ion: 43 Resp: 162690

Ion Ratio Lower Upper

43 100

58 19.4 27.7 83.1#

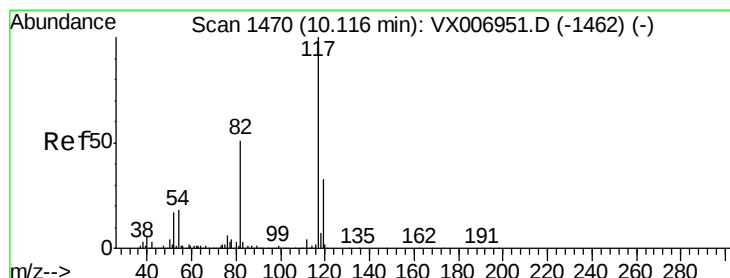
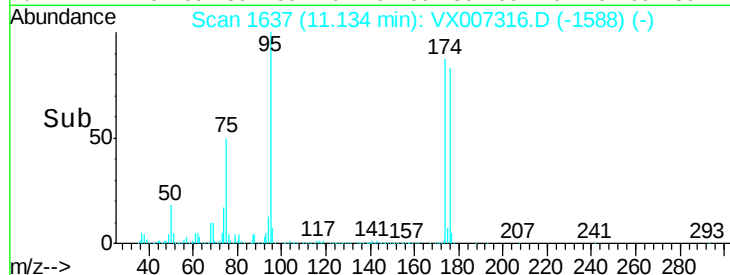
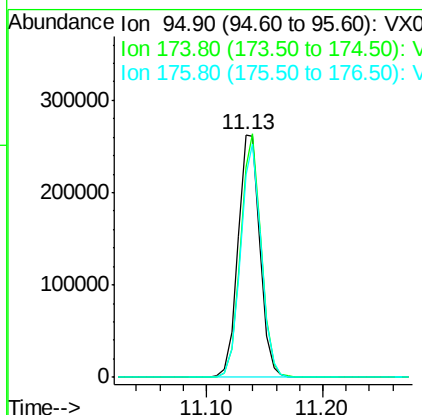
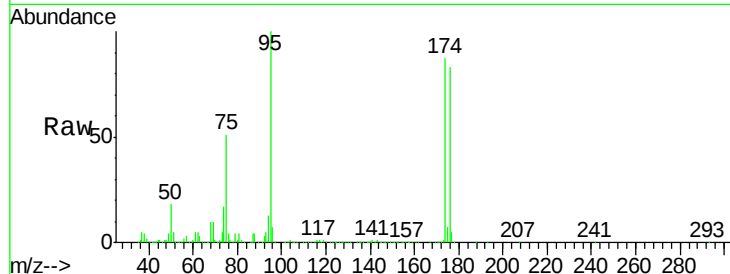




#62
4-Bromofluorobenzene
Concen: 52.412 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007316.D
Acq: 30 Jan 2019 15:51

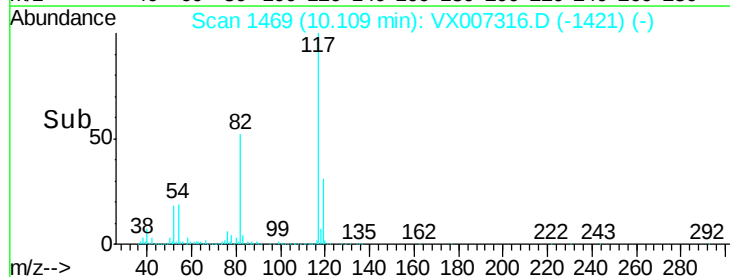
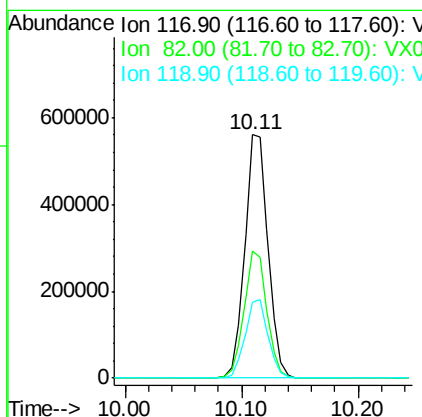
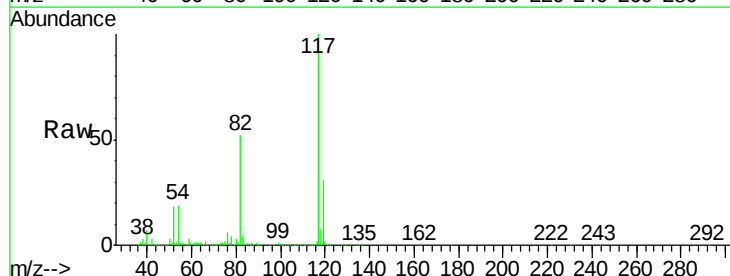
Instrument :
MSVOA_X
ClientSampleId :
TP-2

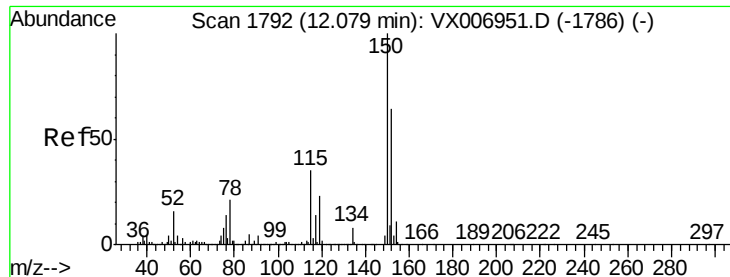
Tot Ion: 95 Resp: 342672
Ion Ratio Lower Upper
95 100
174 94.3 0.0 182.2
176 91.2 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007316.D
Acq: 30 Jan 2019 15:51

Tgt Ion: 117 Resp: 779920
Ion Ratio Lower Upper
117 100
82 52.4 41.0 61.6
119 31.3 25.4 38.0



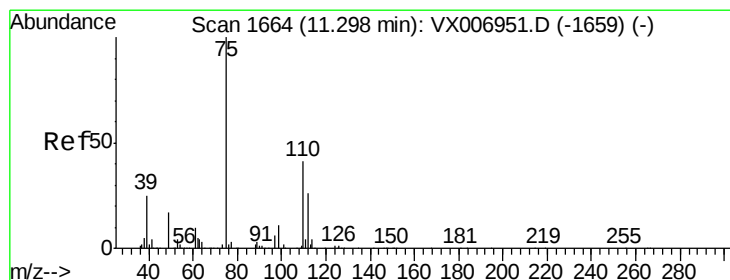
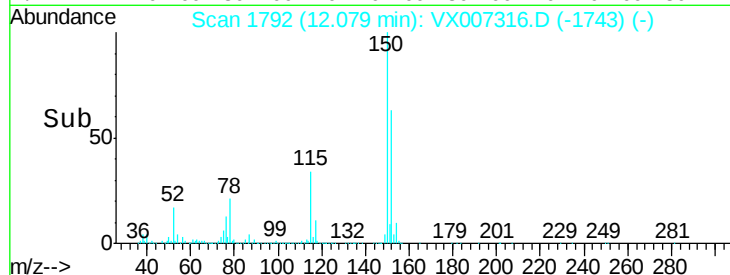
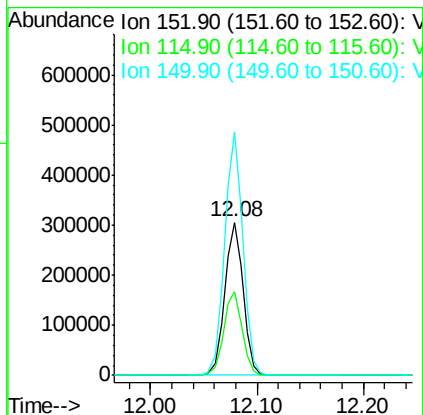
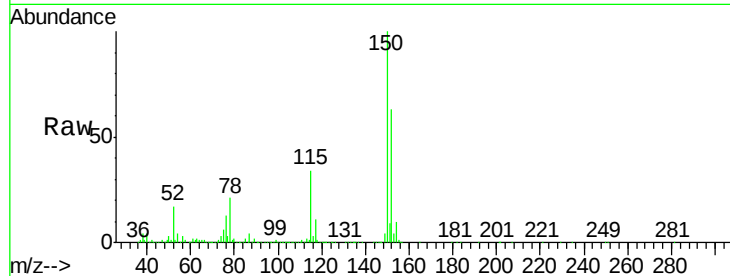


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007316.D
Acq: 30 Jan 2019 15:51

Instrument :
MSVOA_X
ClientSampleId :
TP-2

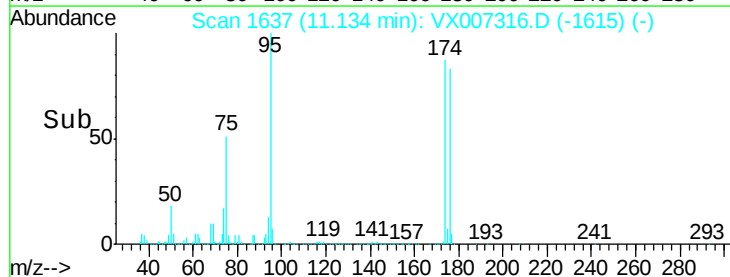
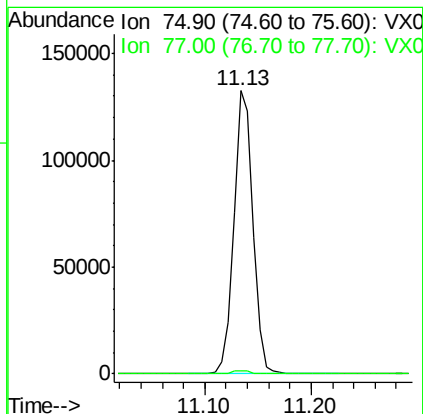
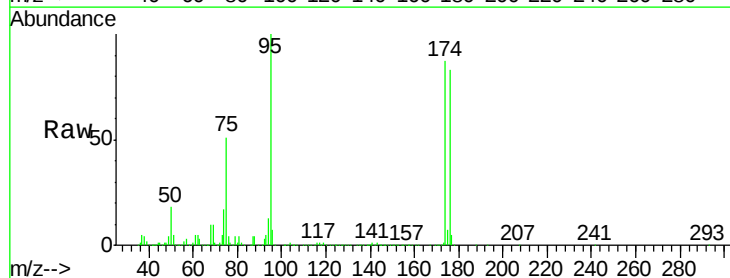
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.8	39.1	117.2
150	157.6	0.0	344.8

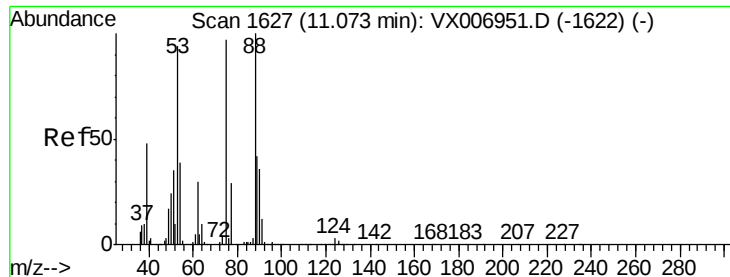


#76

1,2,3-Trichloropropane
Concen: 22.190 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007316.D
Acq: 30 Jan 2019 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	18.5	55.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 65.681 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007316.D

Acq: 30 Jan 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

TP-2

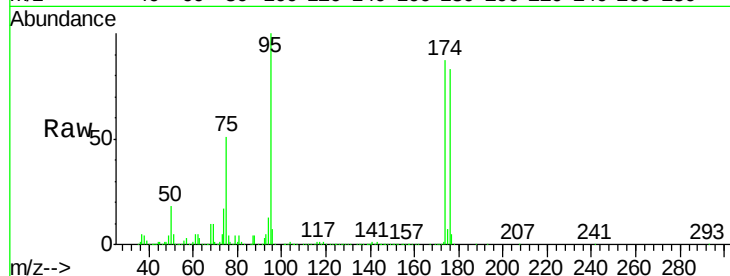
Tot Ion: 75 Resp: 165998

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

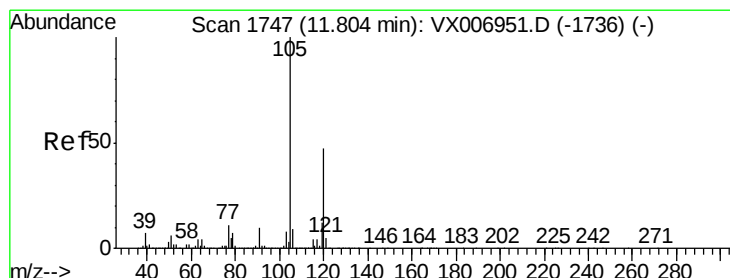
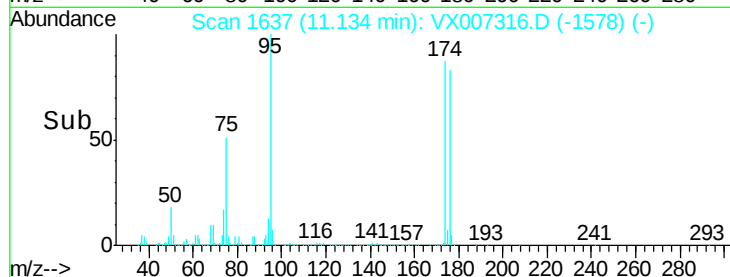
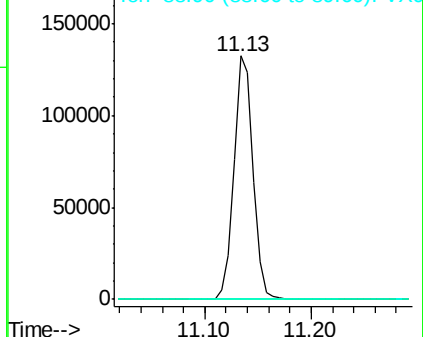
89 0.0 38.0 57.0#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.275 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007316.D

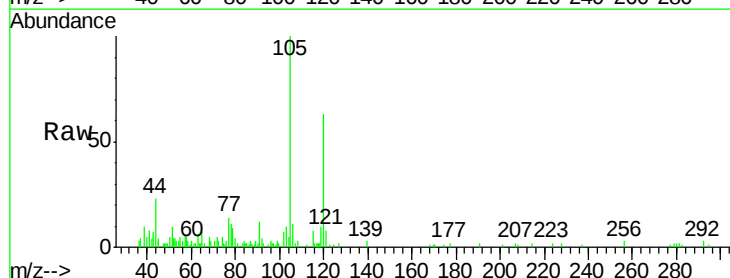
Acq: 30 Jan 2019 15:51

Tgt Ion: 105 Resp: 6020

Ion Ratio Lower Upper

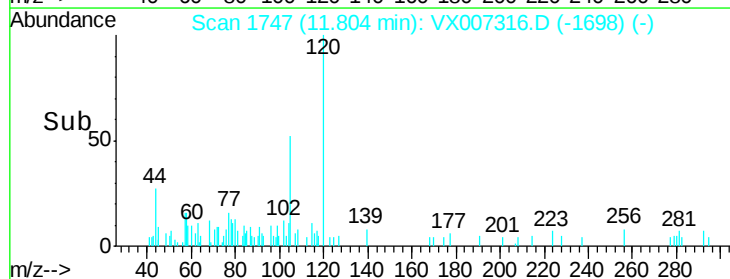
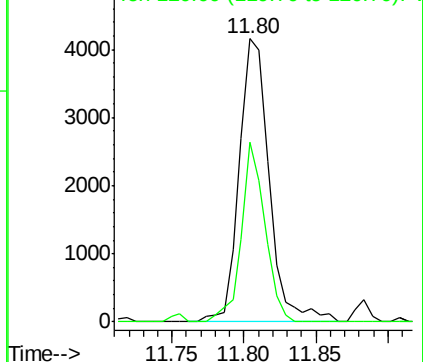
105 100

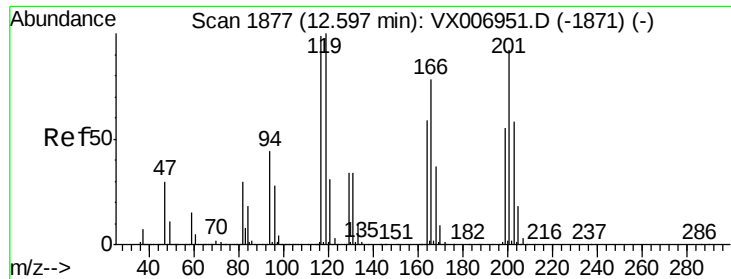
120 49.7 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 2.998 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX007316.D

Acq: 30 Jan 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

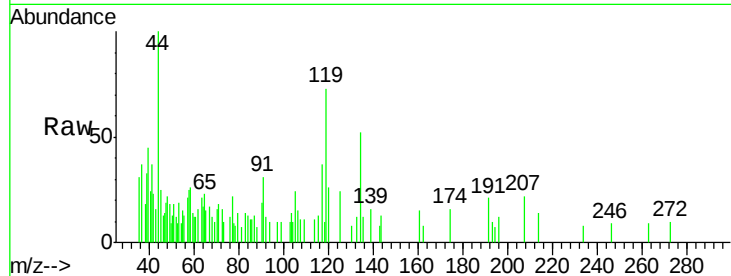
TP-2

Tot Ion:117 Resp: 353

Ion Ratio Lower Upper

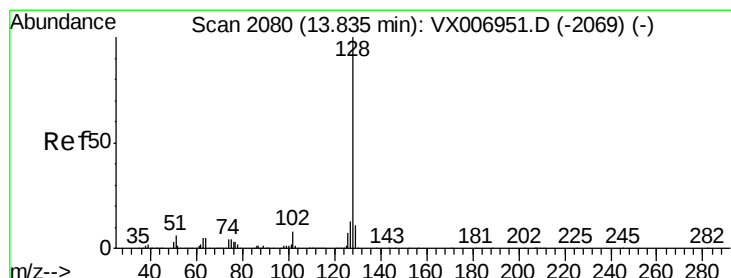
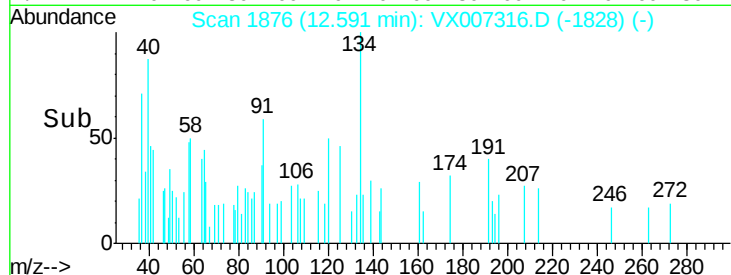
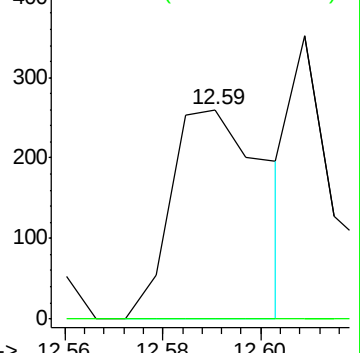
117 100

201 0.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 2.746 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007316.D

Acq: 30 Jan 2019 15:51

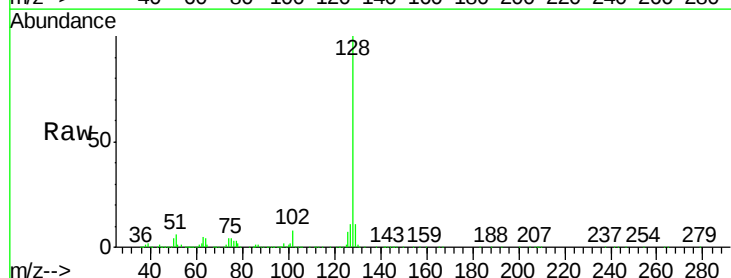
Tgt Ion:128 Resp: 73045

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

129 11.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

