

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX013019\
 Data File : VX007317.D
 Acq On : 30 Jan 2019 16:17
 Operator : JC/SP
 Sample : K1282-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

Quant Time: Jan 31 00:24:36 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	507805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	792216	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	770135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	366321	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	278907	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
35) Dibromofluoromethane	5.51	113	248924	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	8.71	98	975000	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	11.13	95	343578	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	

Target Compounds

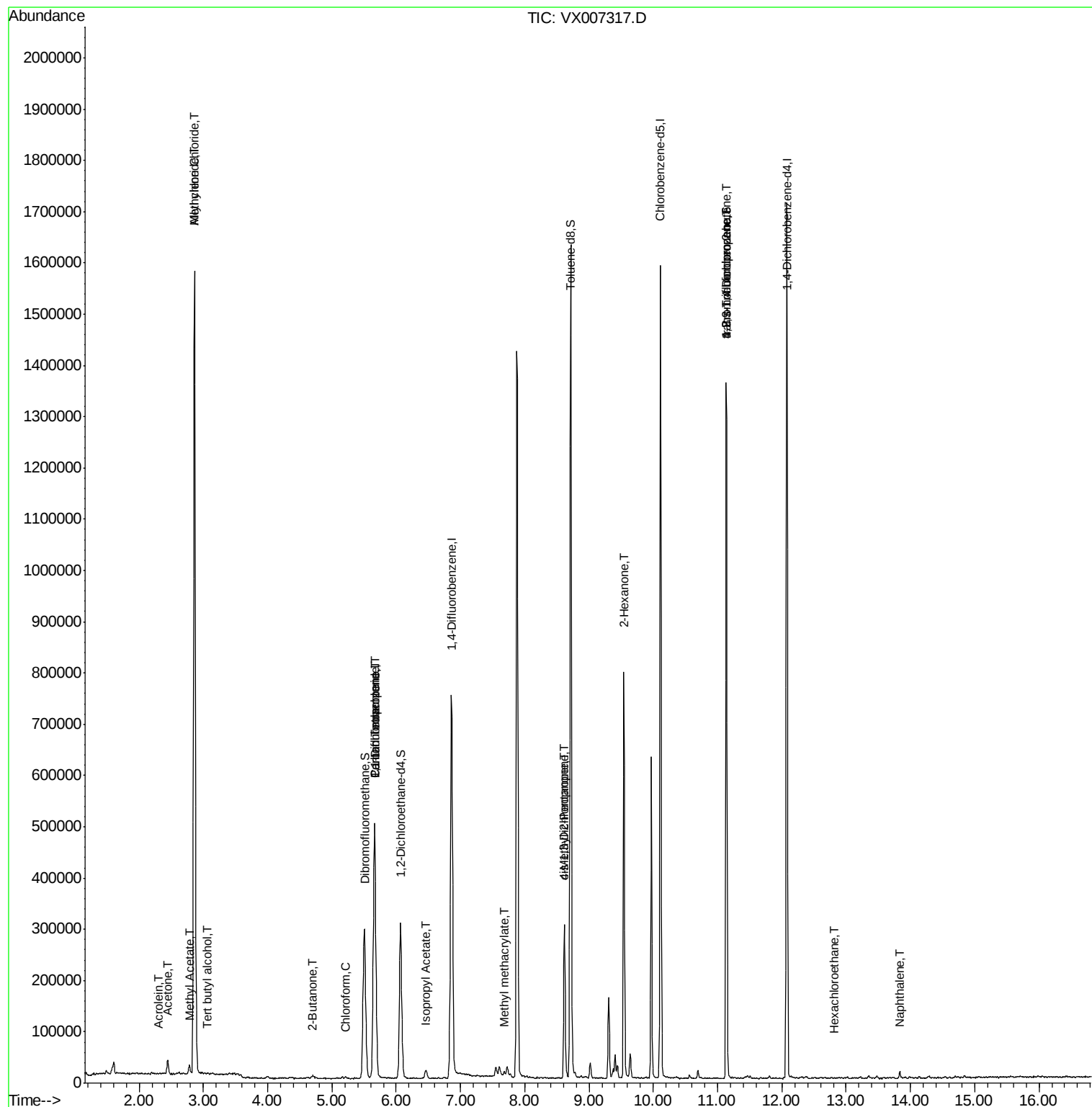
						Qvalue
11) Tert butyl alcohol	3.06	59	1196	0.955	ug/l #	23
13) Acrolein	2.30	56	256	3.552	ug/l #	39
14) Allyl chloride	2.86	41	24591	3.074	ug/l #	27
16) Acetone	2.45	43	30030	11.446	ug/l	94
18) Methyl Acetate	2.78	43	20560	2.706	ug/l #	90
20) Methylene Chloride	2.86	84	732850	147.969	ug/l	97
25) 2-Butanone	4.70	43	9260	2.467	ug/l	93
30) Chloroform	5.21	83	1904	0.216	ug/l	87
36) 1,1-Dichloropropene	5.66	75	33620	4.881	ug/l #	48
38) Carbon Tetrachloride	5.67	117	45677	6.591	ug/l #	14
43) Isopropyl Acetate	6.46	43	22587	1.939	ug/l	95
48) Methyl methacrylate	7.68	41	13191	2.205	ug/l #	12
49) 1,4-Dioxane	7.74	88	260	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.62	43	97302	12.999	ug/l #	50
54) cis-1,3-Dichloropropene	8.62	75	47586	6.148	ug/l #	63
59) 2-Hexanone	9.54	43	87712	15.376	ug/l #	51
76) 1,2,3-Trichloropropane	11.13	75	163037	21.963	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	163037	65.049	ug/l #	10
90) Hexachloroethane	12.80	117	77	2.928	ug/l	84
95) Naphthalene	13.83	128	7963	0.302	ug/l	96

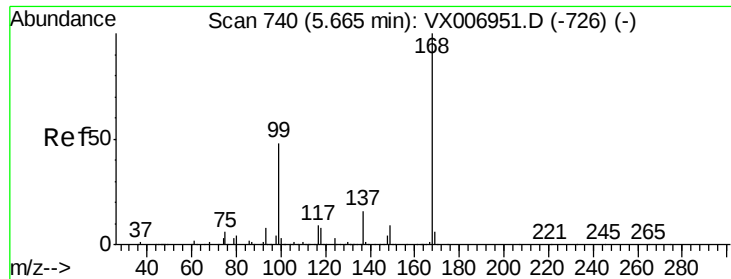
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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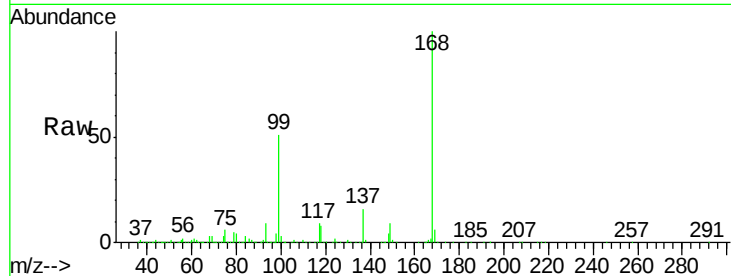


#1

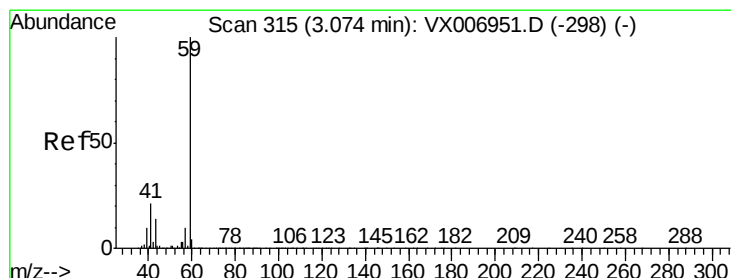
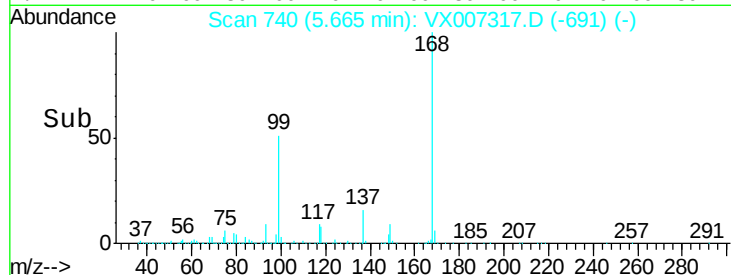
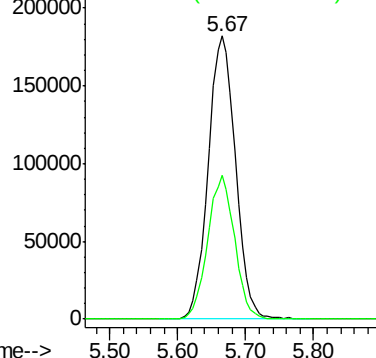
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.00 min
 Lab File: VX007317.D
 Acq: 30 Jan 2019 16:17

Instrument :
 MSVOA_X
 ClientSampled :
 TP-3

Tot Ion:168 Resp: 507805
 Ion Ratio Lower Upper
 168 100
 99 50.8 41.8 62.8



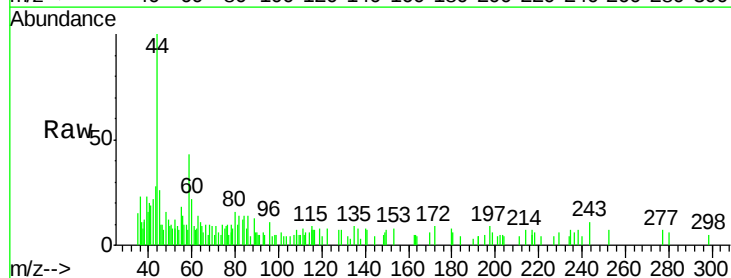
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



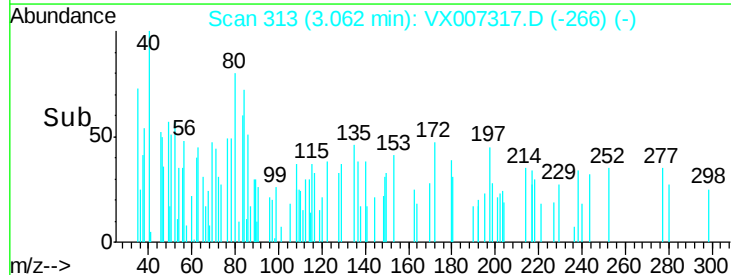
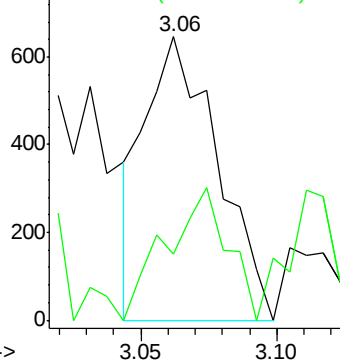
#11

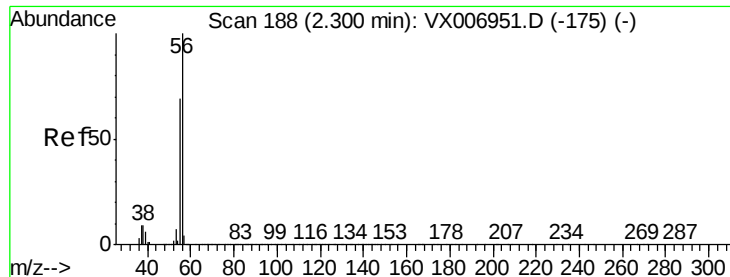
Tert butyl alcohol
 Concen: 0.955 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VX007317.D
 Acq: 30 Jan 2019 16:17

Tgt Ion: 59 Resp: 1196
 Ion Ratio Lower Upper
 59 100
 57 39.5 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 3.552 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007317.D

Acq: 30 Jan 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

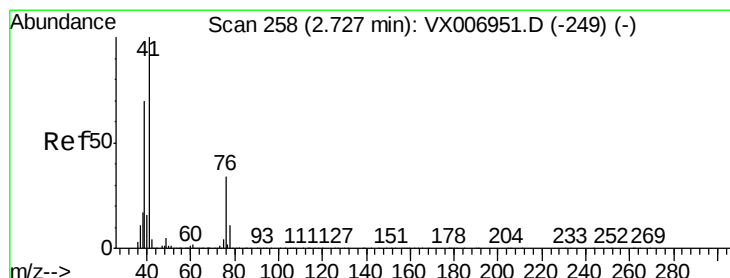
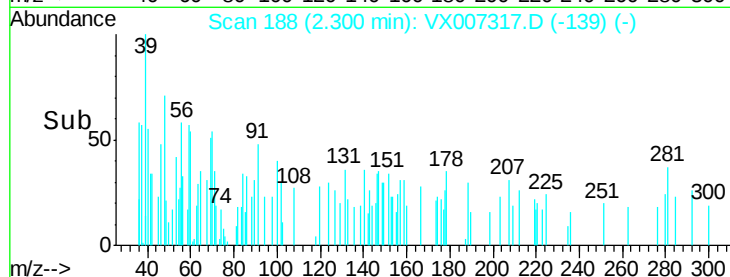
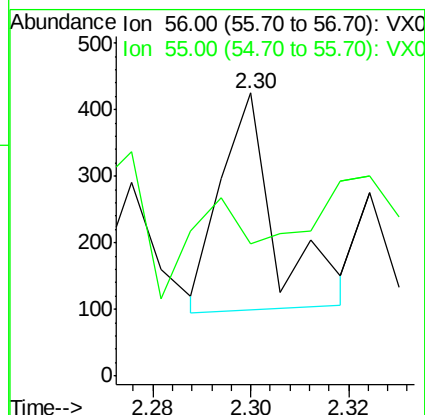
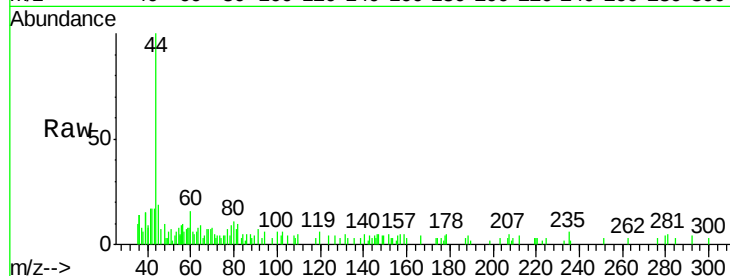
TP-3

Tot Ion: 56 Resp: 256

Ion Ratio Lower Upper

56 100

55 21.9 58.2 87.4#



#14

Allyl chloride

Concen: 3.074 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.13 min

Lab File: VX007317.D

Acq: 30 Jan 2019 16:17

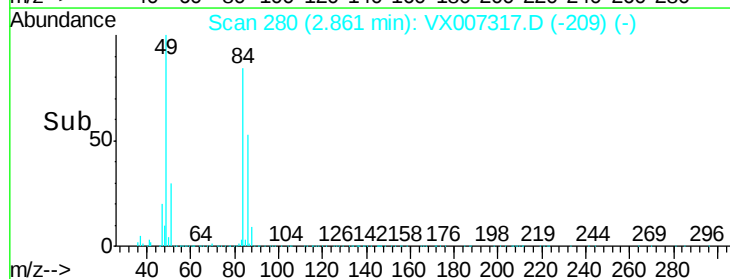
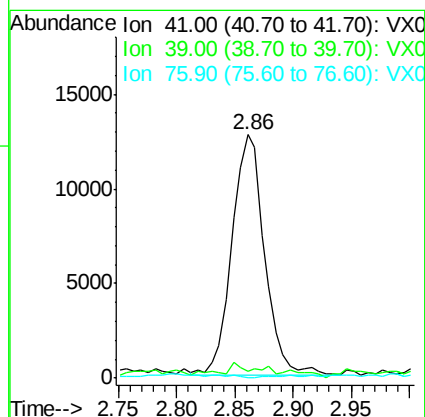
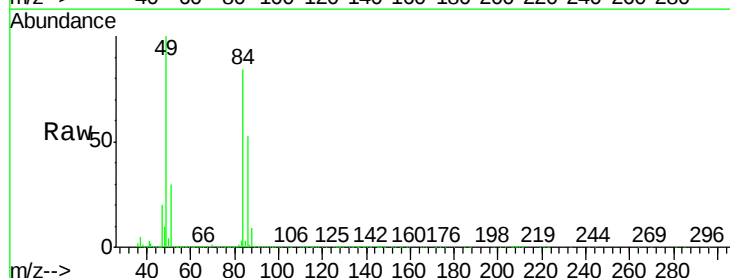
Tgt Ion: 41 Resp: 24591

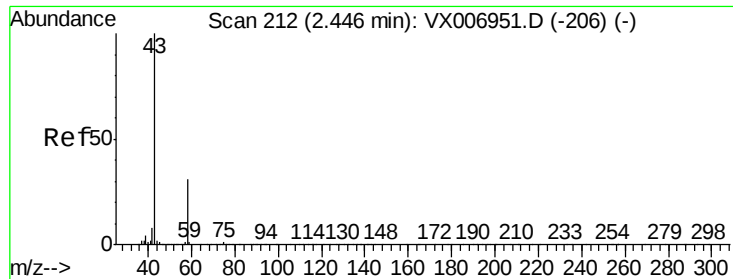
Ion Ratio Lower Upper

41 100

39 3.0 53.6 80.4#

76 0.0 27.4 41.2#

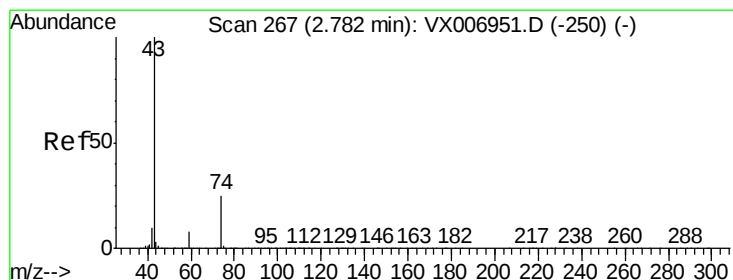
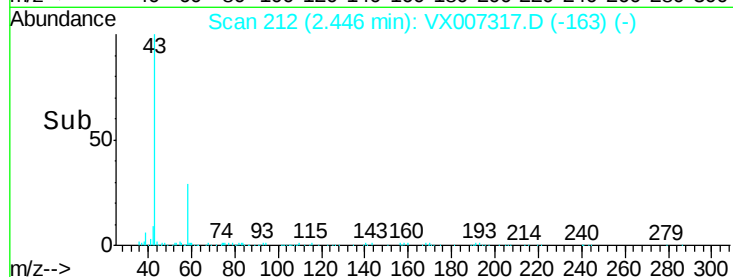
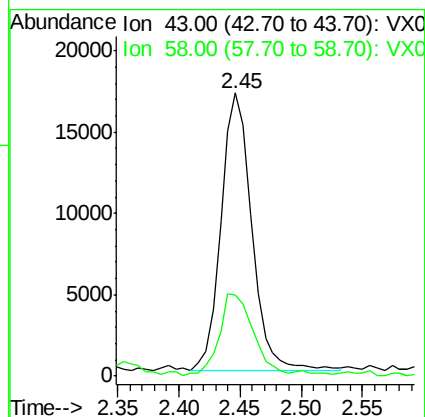
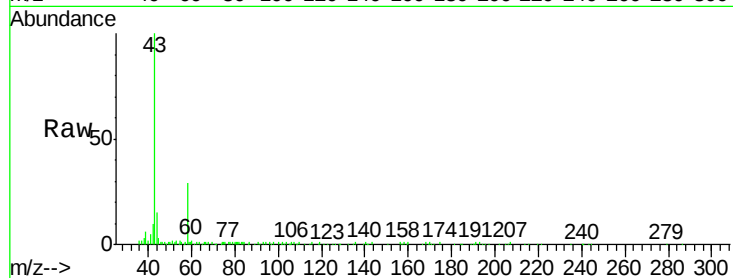




#16
Acetone
Concen: 11.446 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007317.D
Acq: 30 Jan 2019 16:17

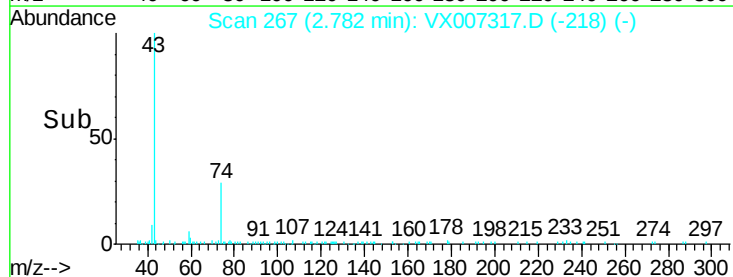
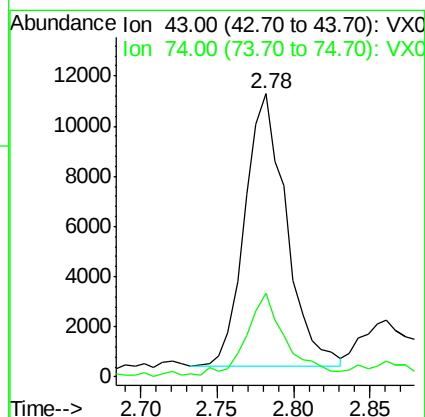
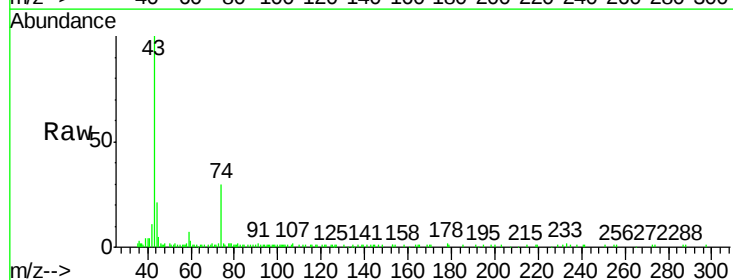
Instrument :
MSVOA_X
ClientSampleId :
TP-3

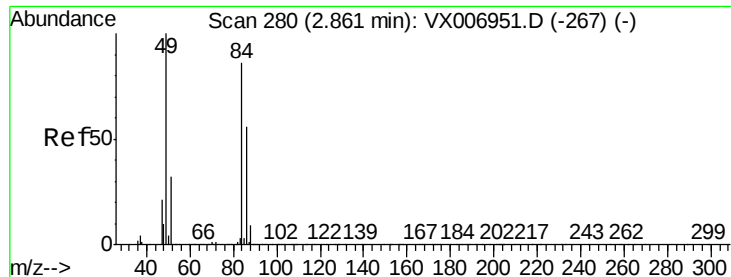
Tot Ion: 43 Resp: 30030
Ion Ratio Lower Upper
43 100
58 28.1 25.0 37.6



#18
Methyl Acetate
Concen: 2.706 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007317.D
Acq: 30 Jan 2019 16:17

Tgt Ion: 43 Resp: 20560
Ion Ratio Lower Upper
43 100
74 28.2 18.6 28.0#

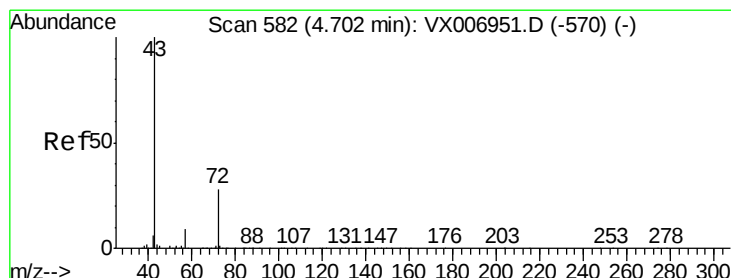
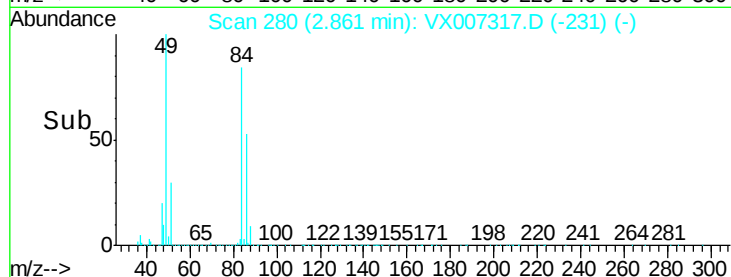
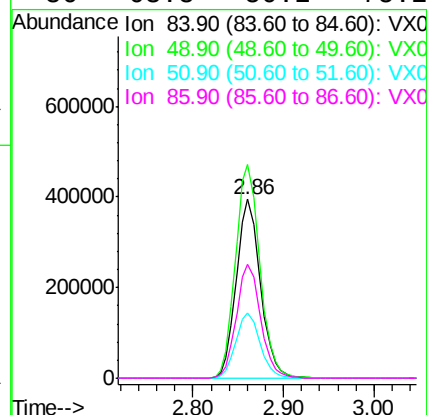
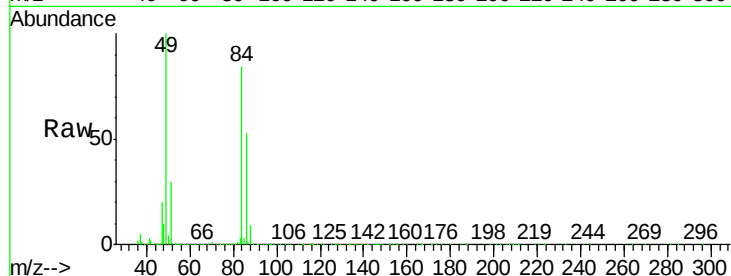




#20
Methvlene Chloride
Concen: 147.969 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007317.D
Acq: 30 Jan 2019 16:17

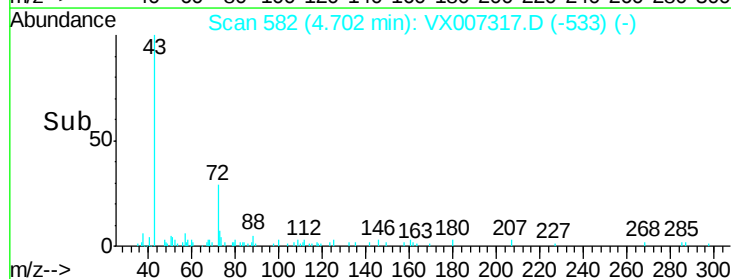
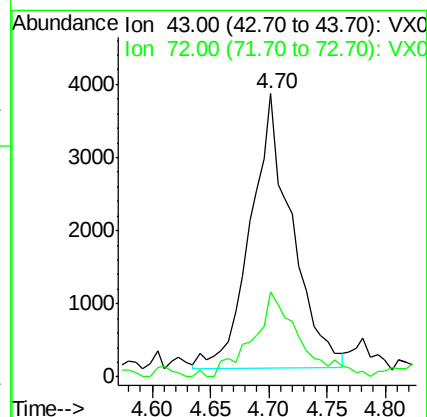
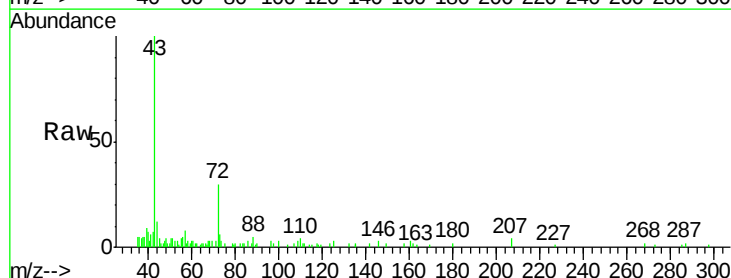
Instrument :
MSVOA_X
ClientSampleId :
TP-3

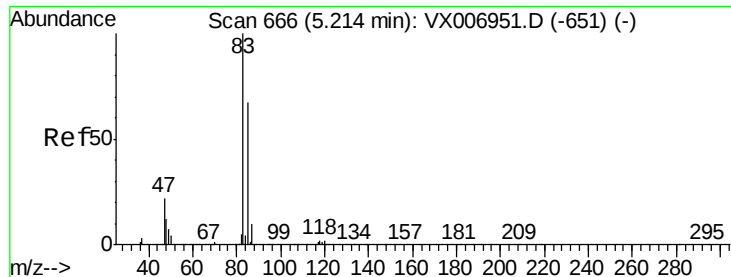
Tot Ion:	84	Resp:	732850
Ion	Ratio	Lower	Upper
84	100		
49	119.5	91.8	137.6
51	36.4	28.5	42.7
86	63.8	50.2	75.2



#25
2-Butanone
Concen: 2.467 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX007317.D
Acq: 30 Jan 2019 16:17

Tgt Ion:	43	Resp:	9260
Ion	Ratio	Lower	Upper
43	100		
72	31.5	22.4	33.6

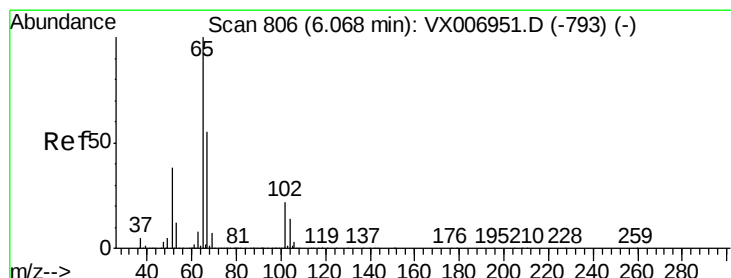
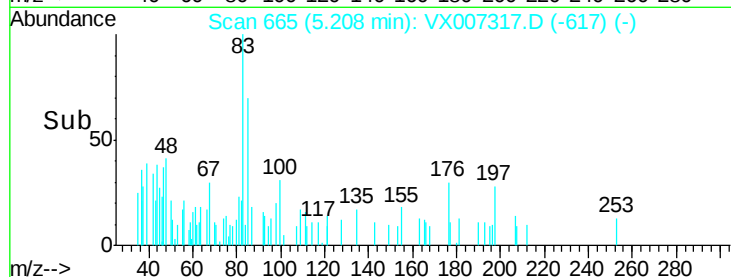
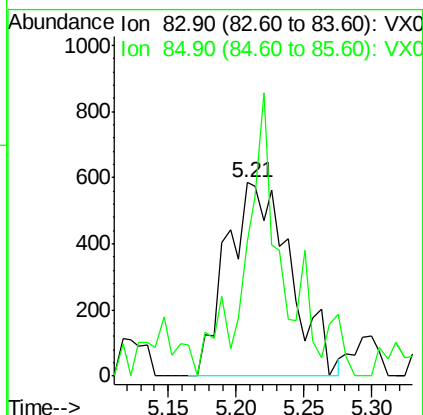
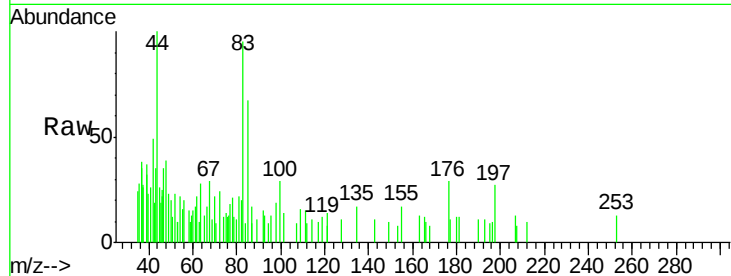




#30
Chloroform
Concen: 0.216 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX007317.D
Acq: 30 Jan 2019 16:17

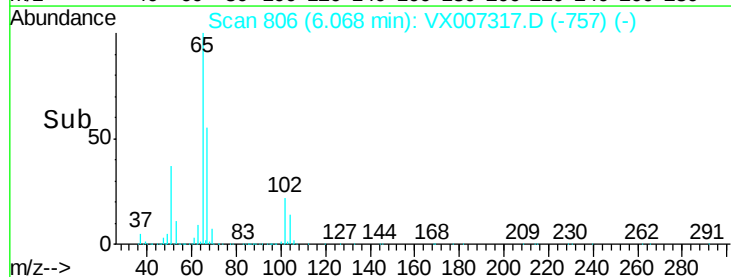
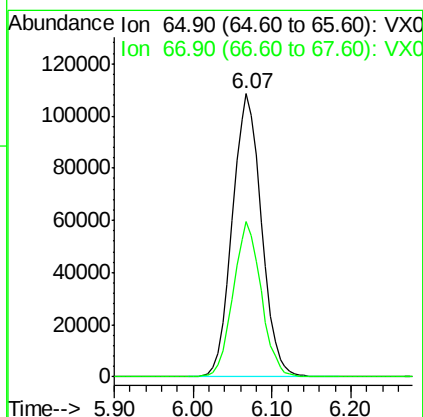
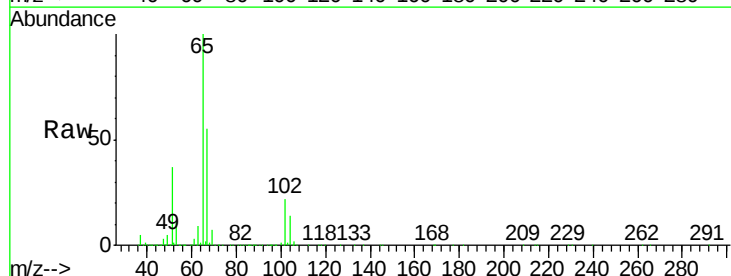
Instrument :
MSVOA_X
ClientSampled :
TP-3

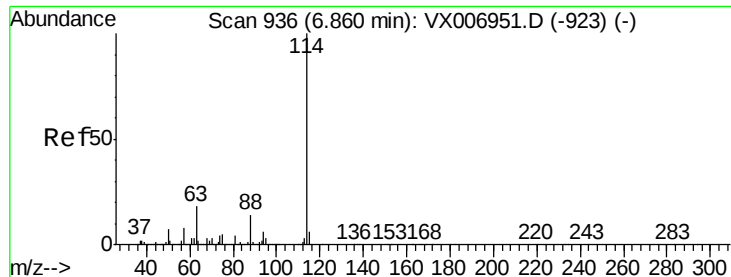
Tot Ion: 83 Resp: 1904
Ion Ratio Lower Upper
83 100
85 53.8 51.2 76.8



#33
1,2-Dichloroethane-d4
Concen: 52.555 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007317.D
Acq: 30 Jan 2019 16:17

Tgt Ion: 65 Resp: 278907
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007317.D

Acq: 30 Jan 2019 16:17

Instrument :

MSVOA_X

ClientSampled :

TP-3

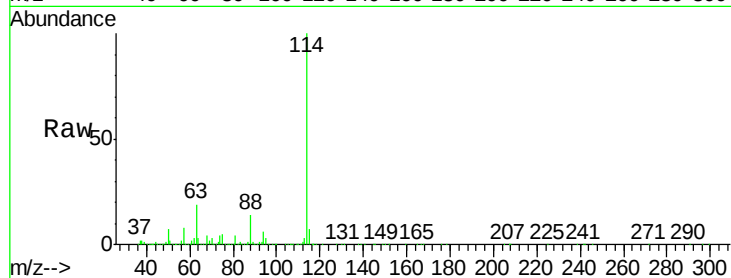
Tot Ion:114 Resp: 792216

Ion Ratio Lower Upper

114 100

63 19.1 0.0 34.8

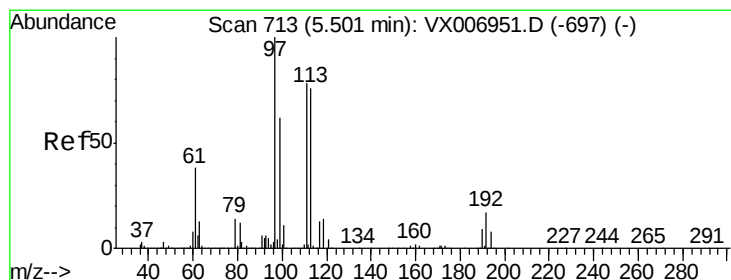
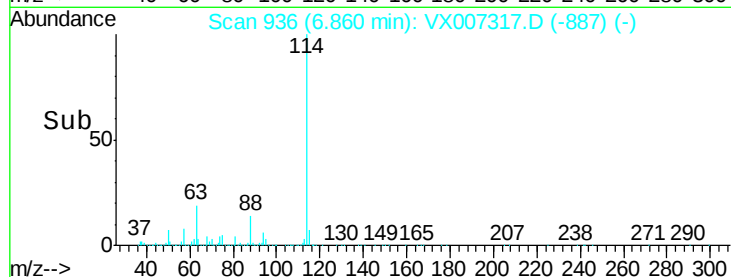
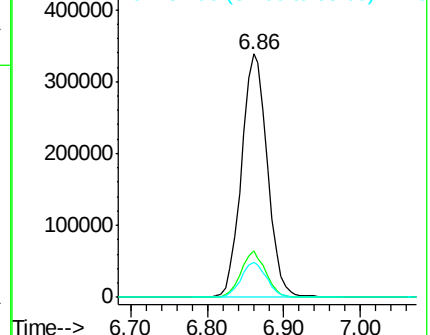
88 14.4 0.0 28.8



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



#35

Dibromofluoromethane

Concen: 49.065 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007317.D

Acq: 30 Jan 2019 16:17

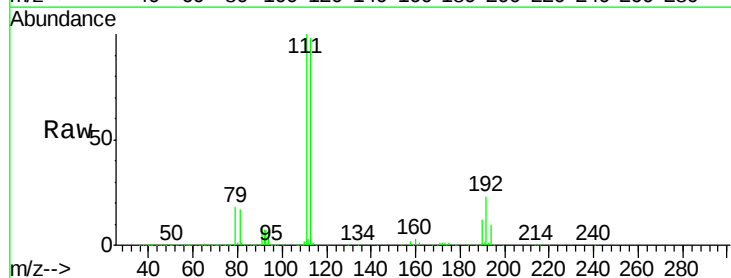
Tgt Ion:113 Resp: 248924

Ion Ratio Lower Upper

113 100

111 102.4 81.6 122.4

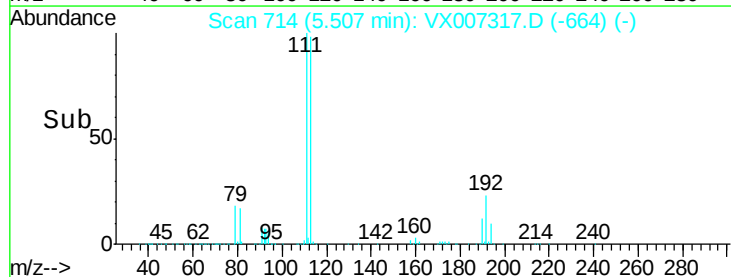
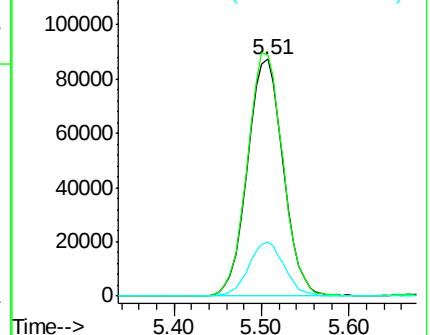
192 22.6 16.7 25.1

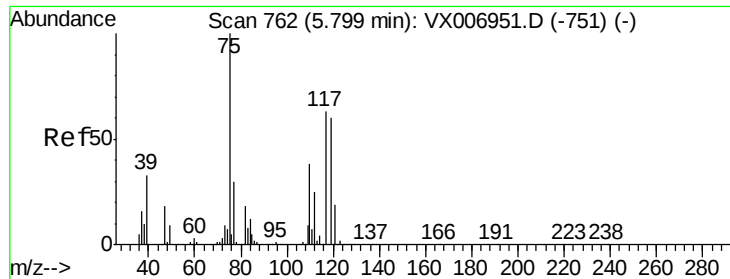


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

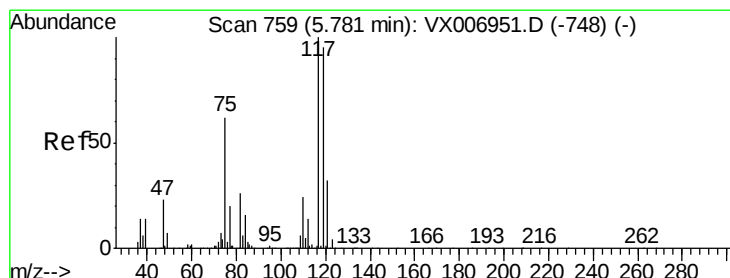
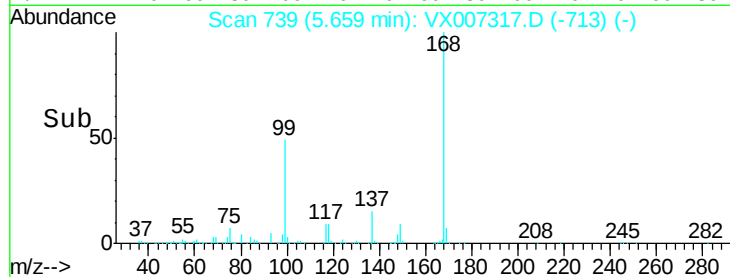
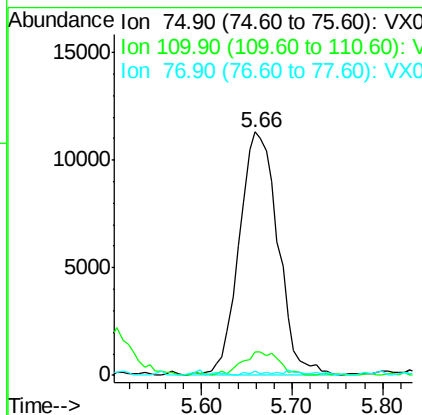
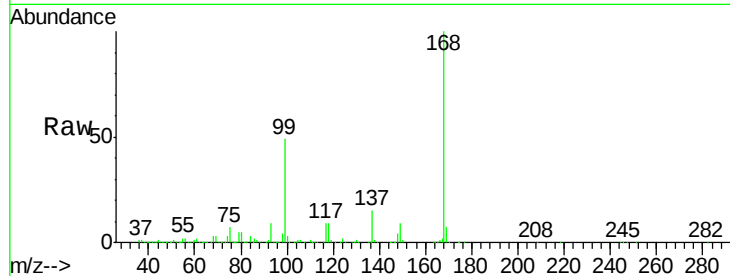




#36
 1,1-Dichloropropene
 Concen: 4.881 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX007317.D
 Acq: 30 Jan 2019 16:17

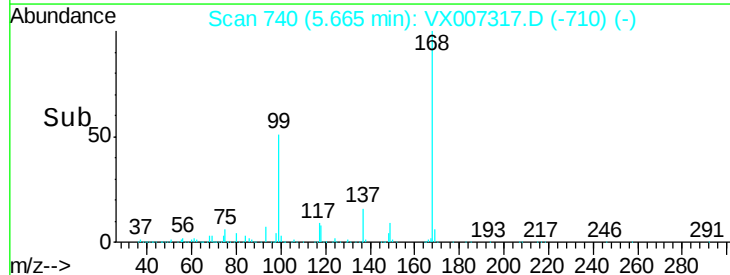
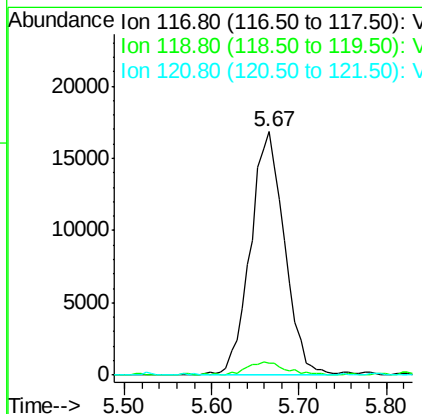
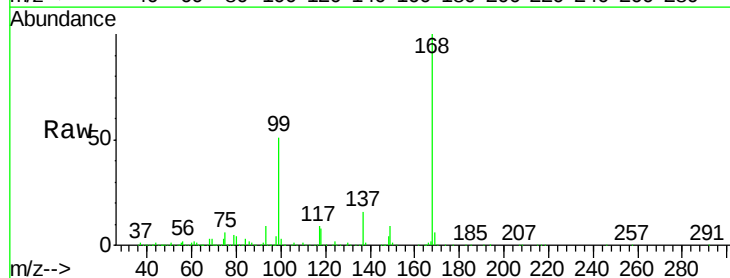
Instrument :
 MSVOA_X
 ClientSampled :
 TP-3

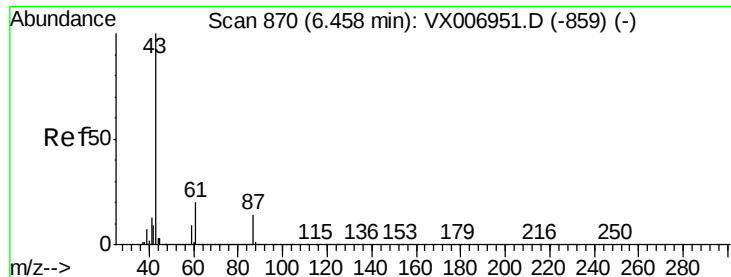
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	20.2	60.5#
77	0.7	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.591 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX007317.D
 Acq: 30 Jan 2019 16:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	79.4	119.2#
121	0.0	24.0	36.0#





#43

Isopropyl Acetate

Concen: 1.939 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX007317.D

Acq: 30 Jan 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

TP-3

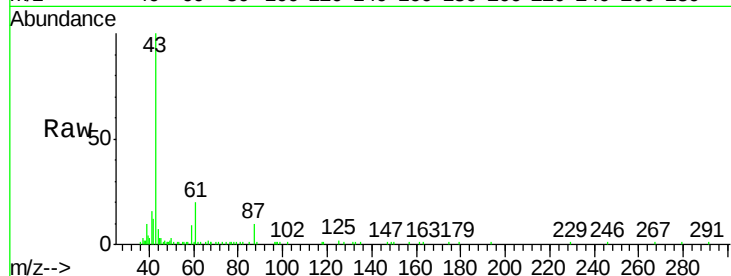
Tot Ion: 43 Resp: 22587

Ion Ratio Lower Upper

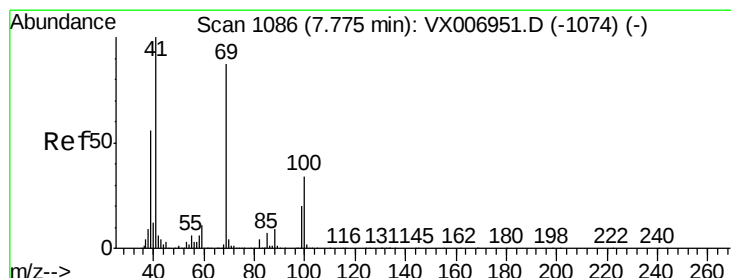
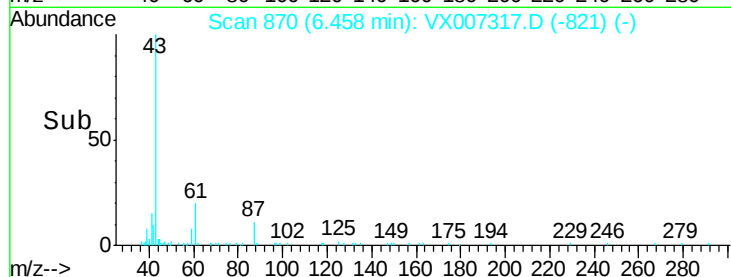
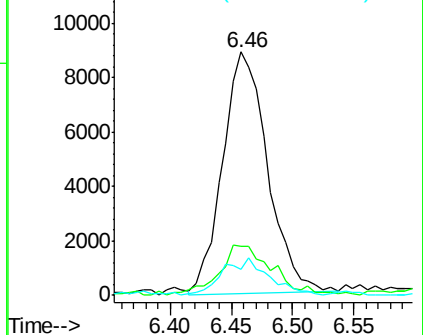
43 100

61 25.0 16.8 25.2

87 16.0 12.4 18.6



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: 2.205 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.09 min

Lab File: VX007317.D

Acq: 30 Jan 2019 16:17

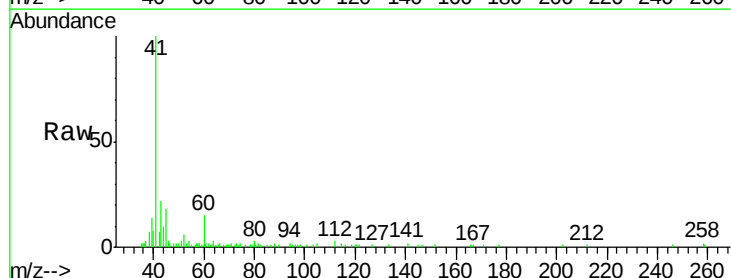
Tgt Ion: 41 Resp: 13191

Ion Ratio Lower Upper

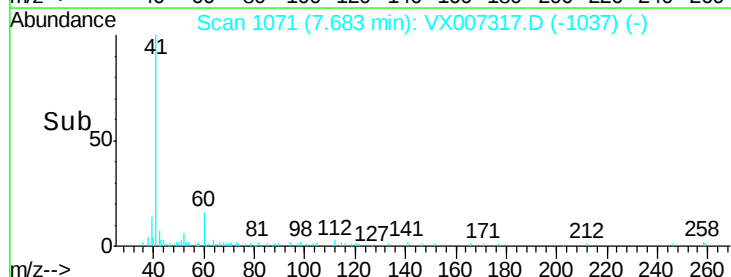
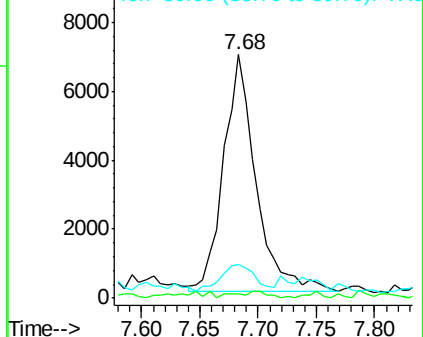
41 100

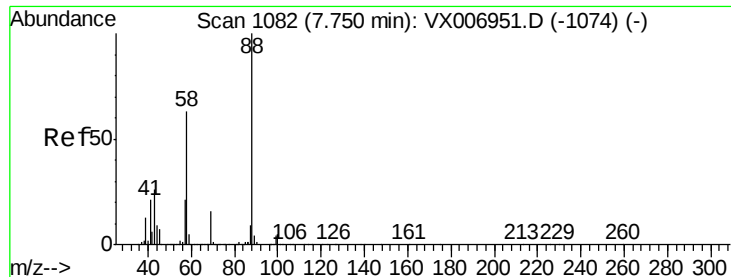
69 1.4 72.4 108.6#

39 0.0 45.8 68.8#



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: Below Cal

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX007317.D

Acq: 30 Jan 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

TP-3

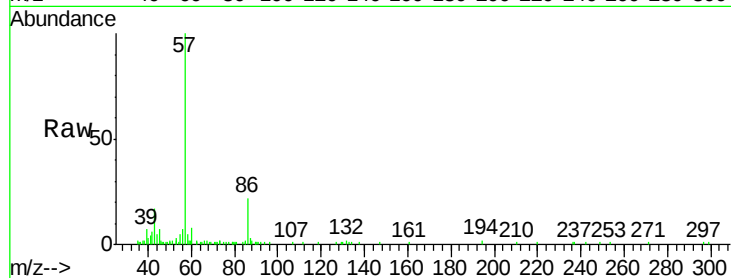
Tot Ion: 88 Resp: 260

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

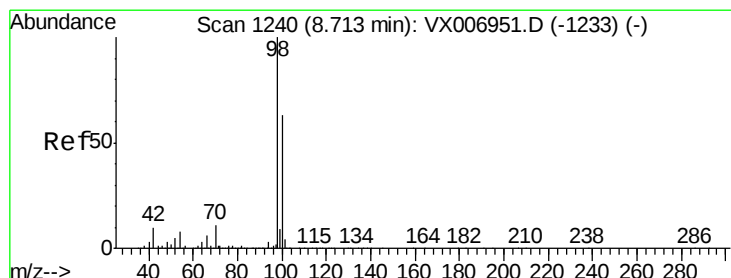
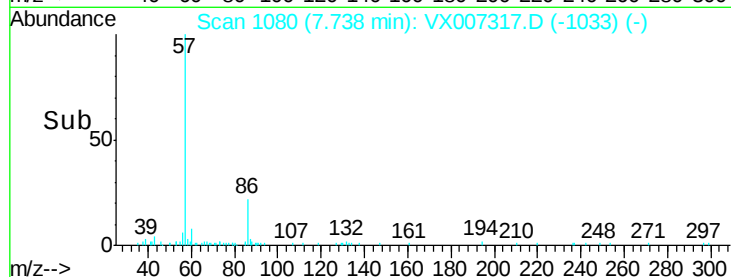
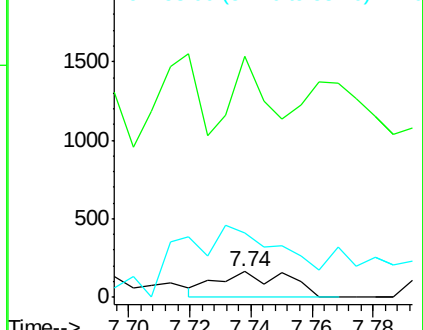
58 415.8 51.0 76.4#



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: 52.504 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007317.D

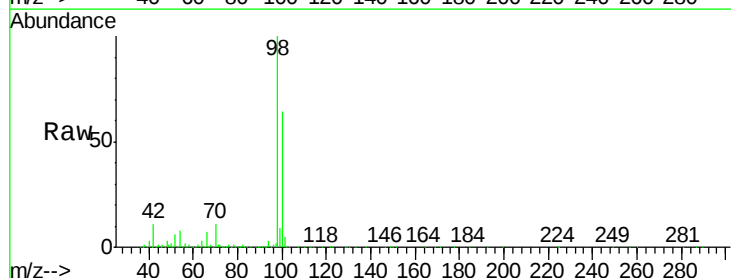
Acq: 30 Jan 2019 16:17

Tgt Ion: 98 Resp: 975000

Ion Ratio Lower Upper

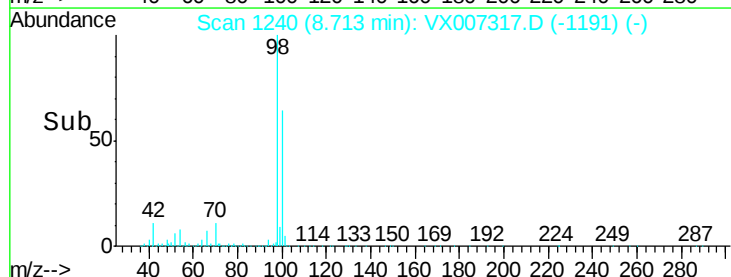
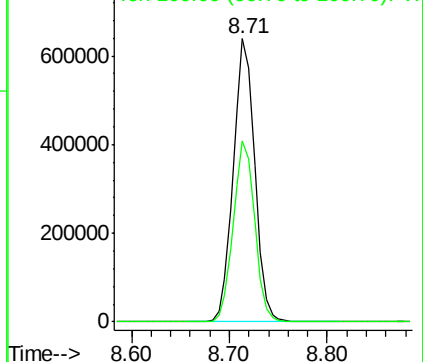
98 100

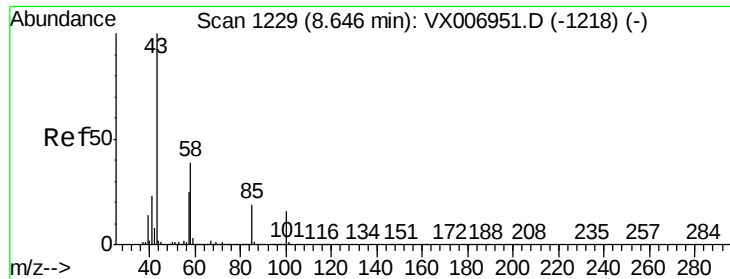
100 63.7 52.0 78.0



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: 12.999 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX007317.D

Acq: 30 Jan 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

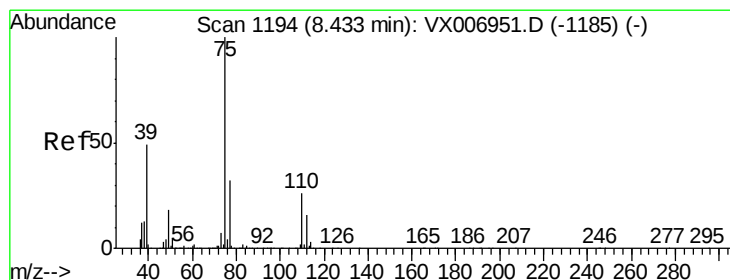
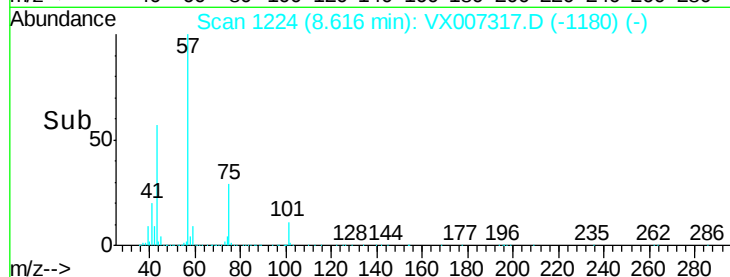
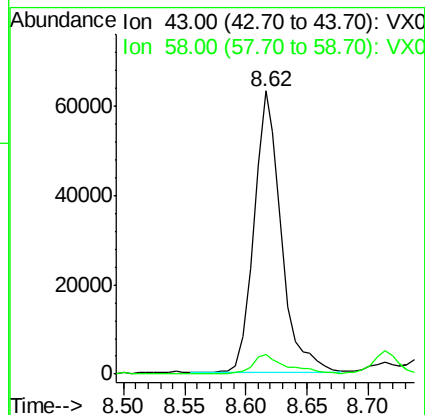
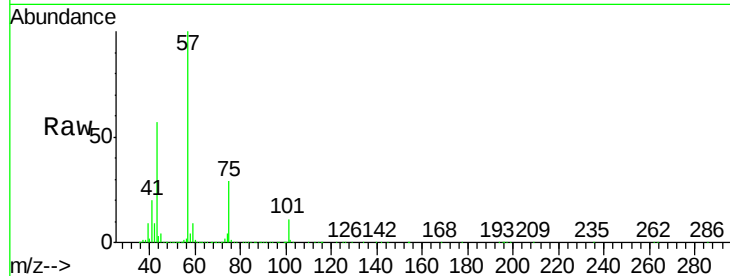
TP-3

Tot Ion: 43 Resp: 97302

Ion Ratio Lower Upper

43 100

58 9.2 31.8 47.6#



#54

cis-1,3-Dichloropropene

Concen: 6.148 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX007317.D

Acq: 30 Jan 2019 16:17

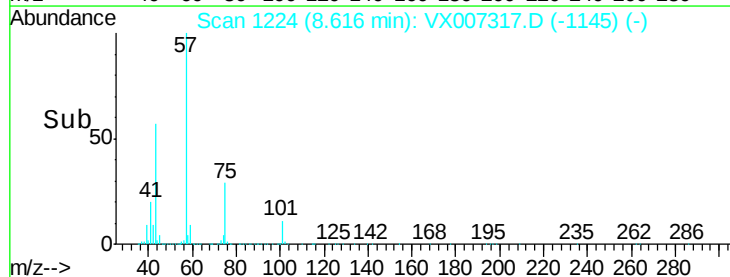
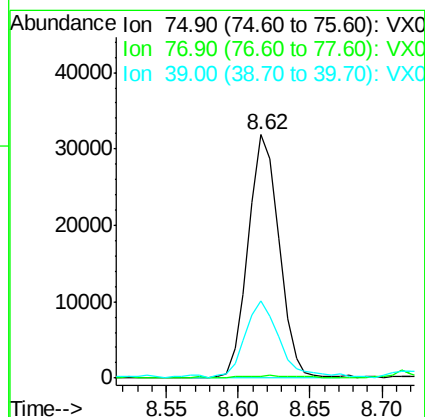
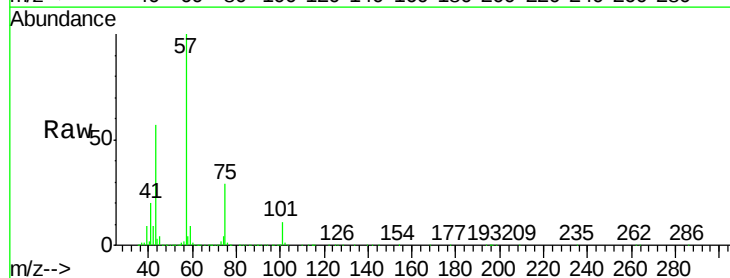
Tgt Ion: 75 Resp: 47586

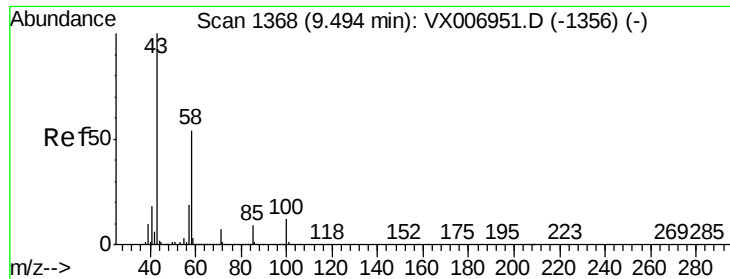
Ion Ratio Lower Upper

75 100

77 0.4 26.2 39.2#

39 31.0 36.7 55.1#





#59

2-Hexanone

Concen: 15.376 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX007317.D

Acq: 30 Jan 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

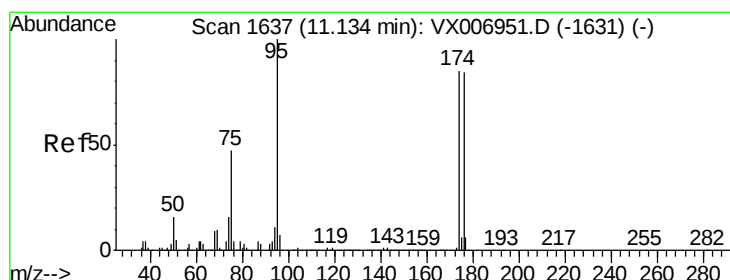
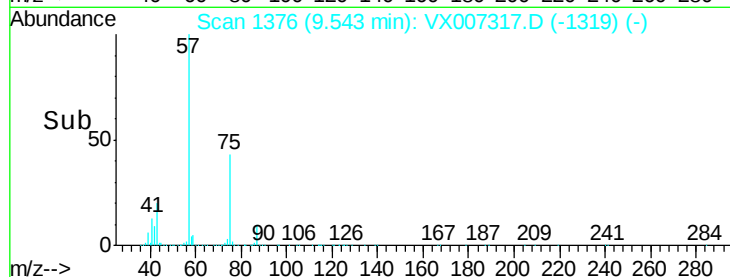
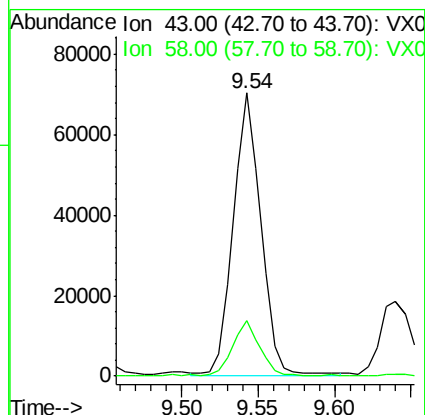
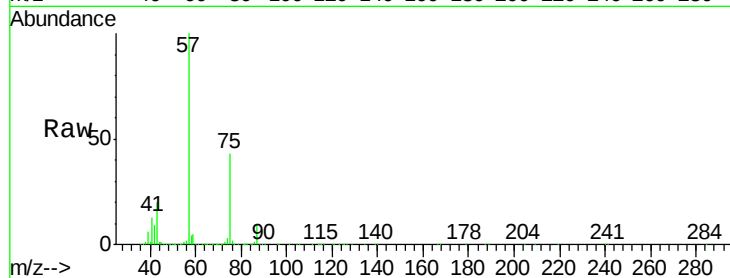
TP-3

Tot Ion: 43 Resp: 87712

Ion Ratio Lower Upper

43 100

58 19.7 27.7 83.1#



#62

4-Bromofluorobenzene

Concen: 53.071 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007317.D

Acq: 30 Jan 2019 16:17

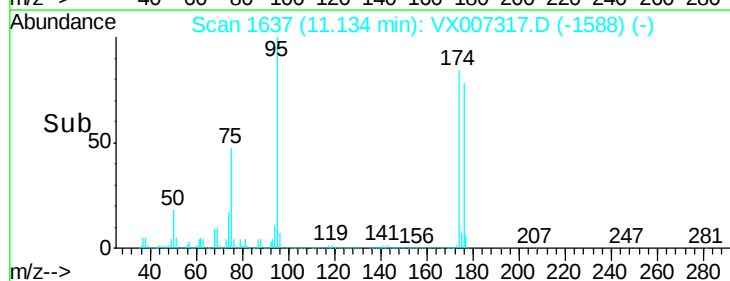
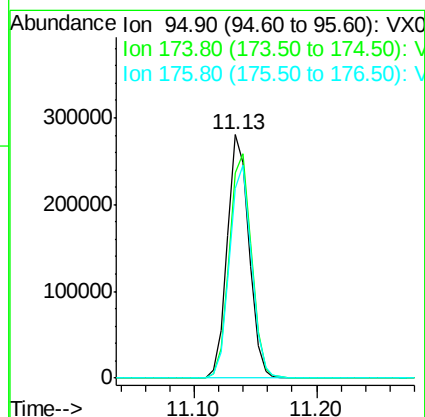
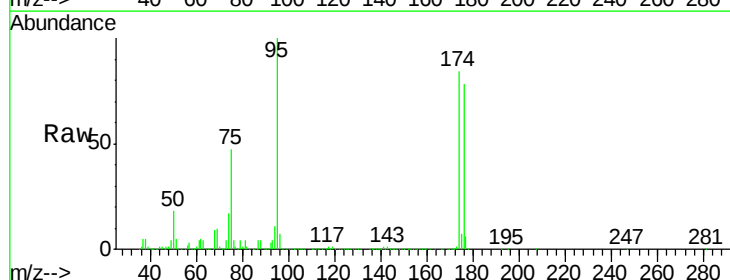
Tgt Ion: 95 Resp: 343578

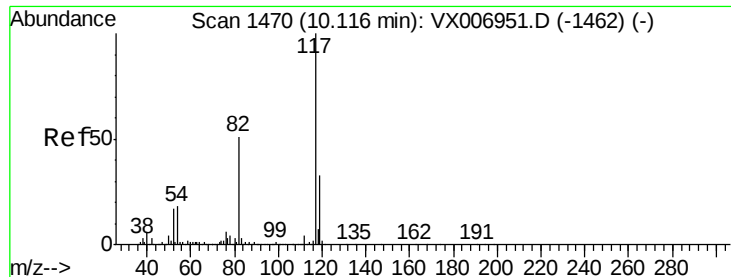
Ion Ratio Lower Upper

95 100

174 93.9 0.0 182.2

176 88.6 0.0 178.8

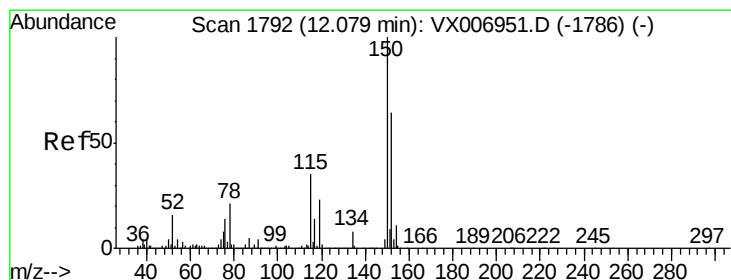
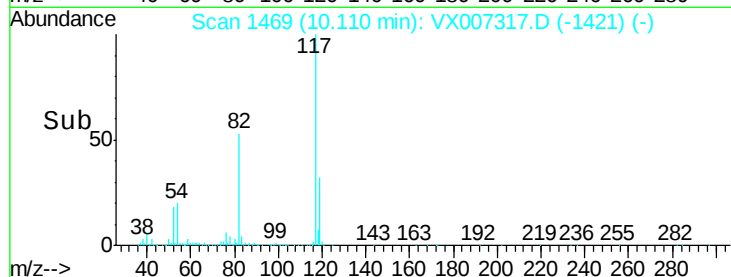
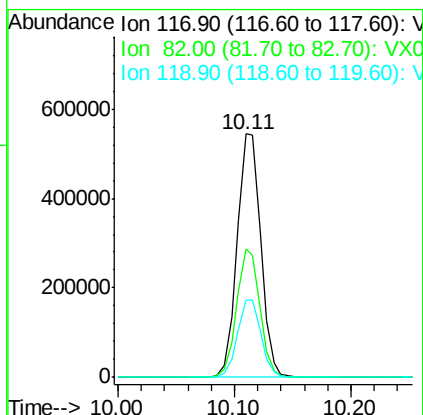
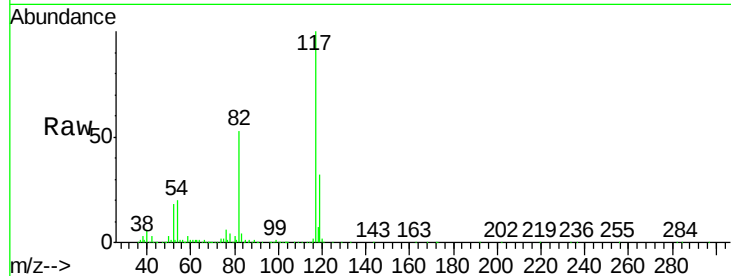




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007317.D
Acq: 30 Jan 2019 16:17

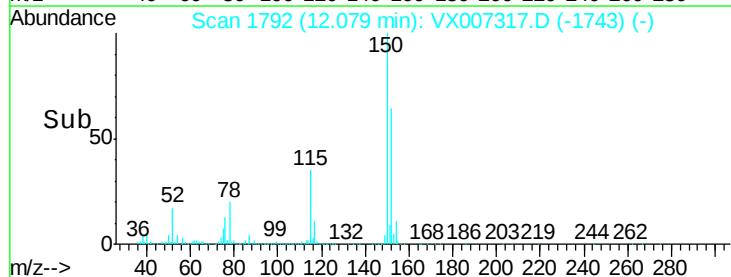
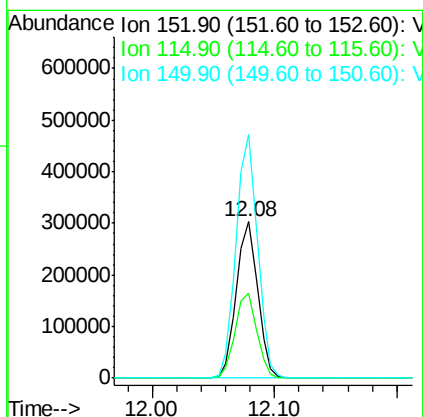
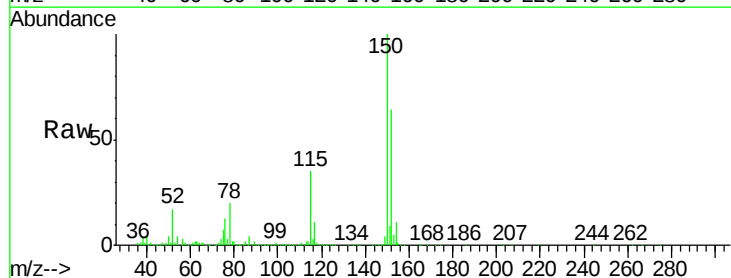
Instrument :
MSVOA_X
ClientSampleId :
TP-3

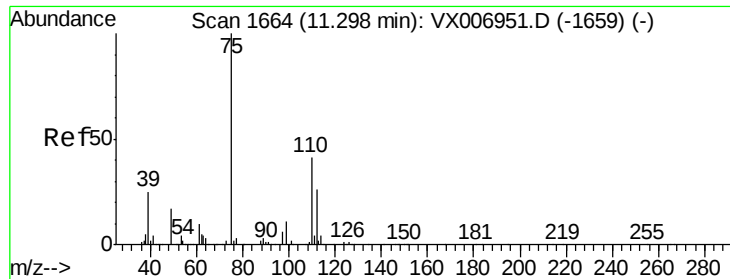
Tot Ion:117 Resp: 770135
Ion Ratio Lower Upper
117 100
82 52.9 41.0 61.6
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007317.D
Acq: 30 Jan 2019 16:17

Tgt Ion:152 Resp: 366321
Ion Ratio Lower Upper
152 100
115 54.8 39.1 117.2
150 156.3 0.0 344.8

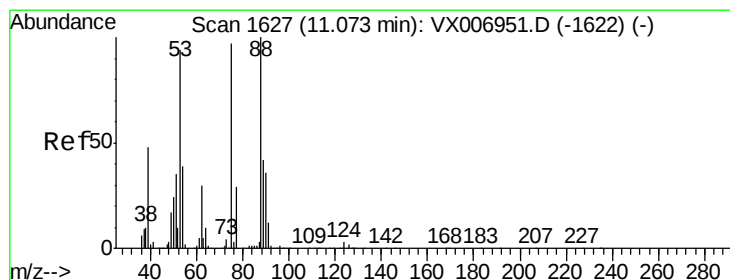
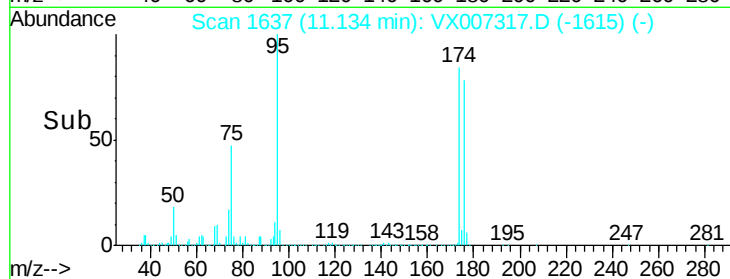
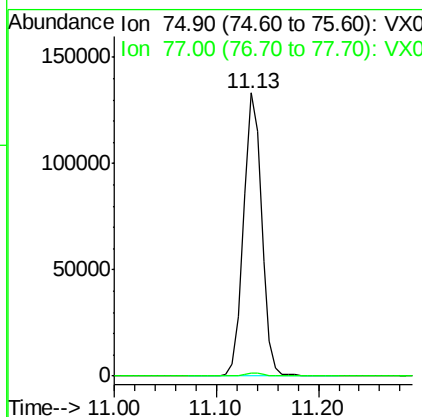
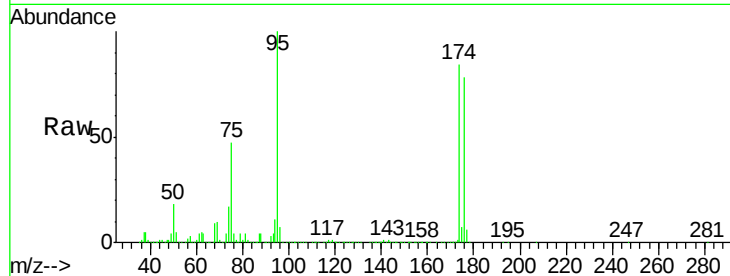




#76
 1,2,3-Trichloropropane
 Concen: 21.963 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007317.D
 Acq: 30 Jan 2019 16:17

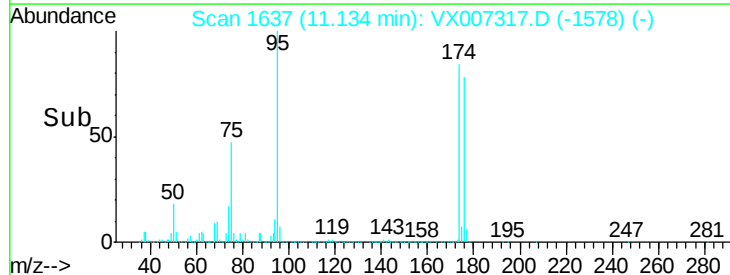
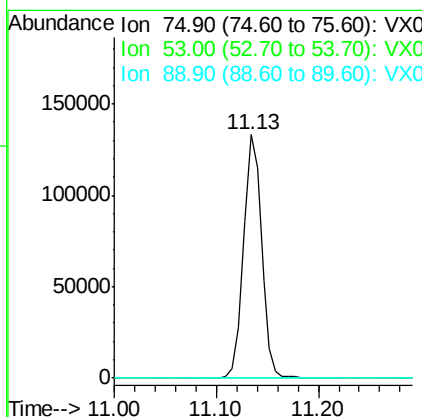
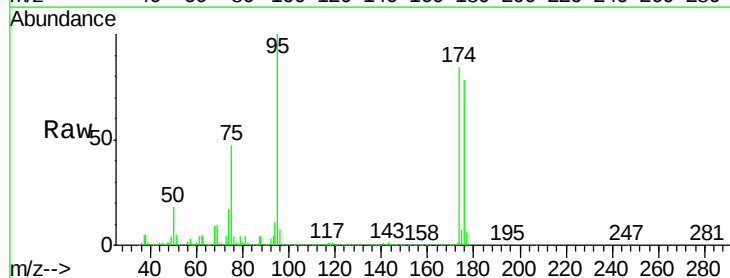
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

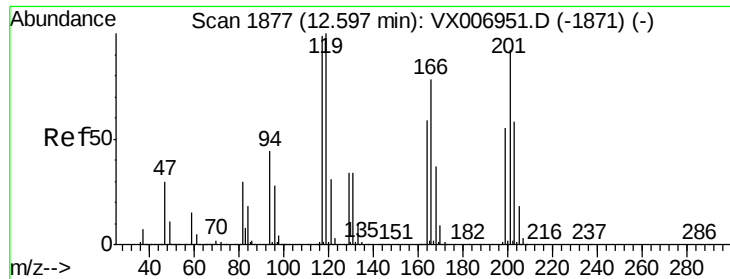
Tot Ion: 75 Resp: 163037
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.5 55.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.049 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007317.D
 Acq: 30 Jan 2019 16:17

Tgt Ion: 75 Resp: 163037
 Ion Ratio Lower Upper
 75 100
 53 0.4 79.7 119.5#
 89 0.1 38.0 57.0#





#90

Hexachloroethane

Concen: 2.928 ug/l

RT: 12.80 min Scan# 1911

Delta R.T. 0.21 min

Lab File: VX007317.D

Acq: 30 Jan 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

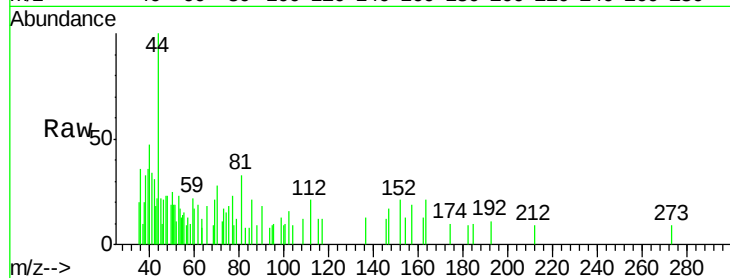
TP-3

Tot Ion:117 Resp: 77

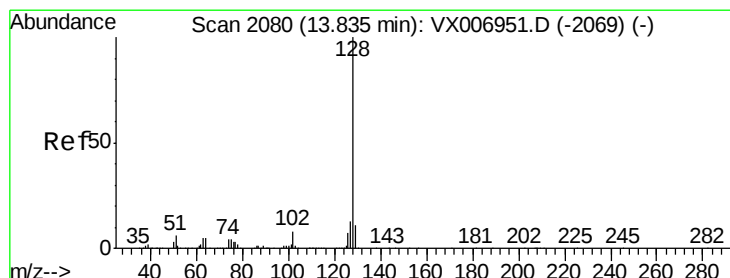
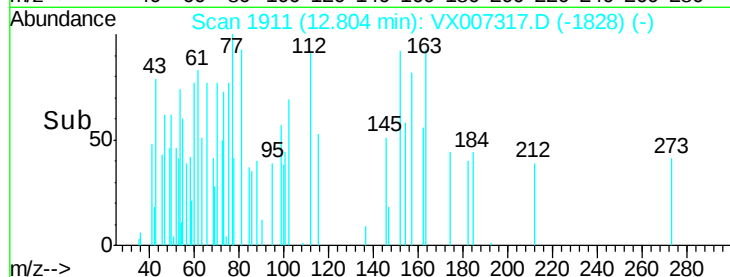
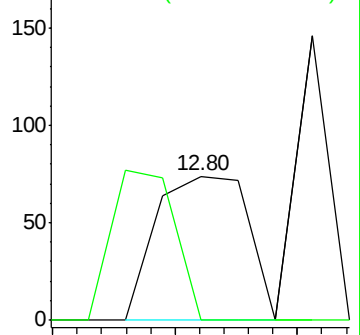
Ion Ratio Lower Upper

117 100

201 71.4 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V



#95

Naphthalene

Concen: 0.302 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007317.D

Acq: 30 Jan 2019 16:17

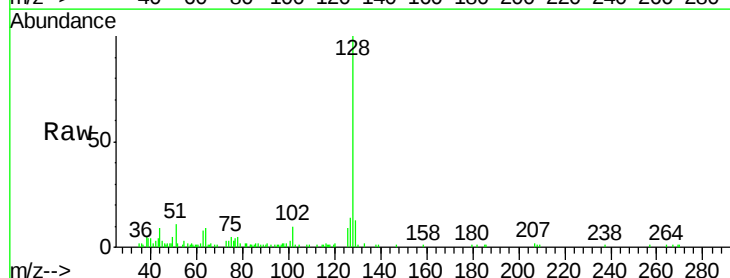
Tgt Ion:128 Resp: 7963

Ion Ratio Lower Upper

128 100

127 14.2 10.1 15.1

129 12.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

