

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022119\
 Data File : VX007627.D
 Acq On : 21 Feb 2019 13:35
 Operator : JC/SP
 Sample : PB117250ZHE#01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB117250ZHE#01

Quant Time: Feb 22 04:31:41 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	469130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	742842	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	717433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	334854	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	260613	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
35) Dibromofluoromethane	5.50	113	244578	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
50) Toluene-d8	8.71	98	907522	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	11.13	95	315309	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

Target Compounds

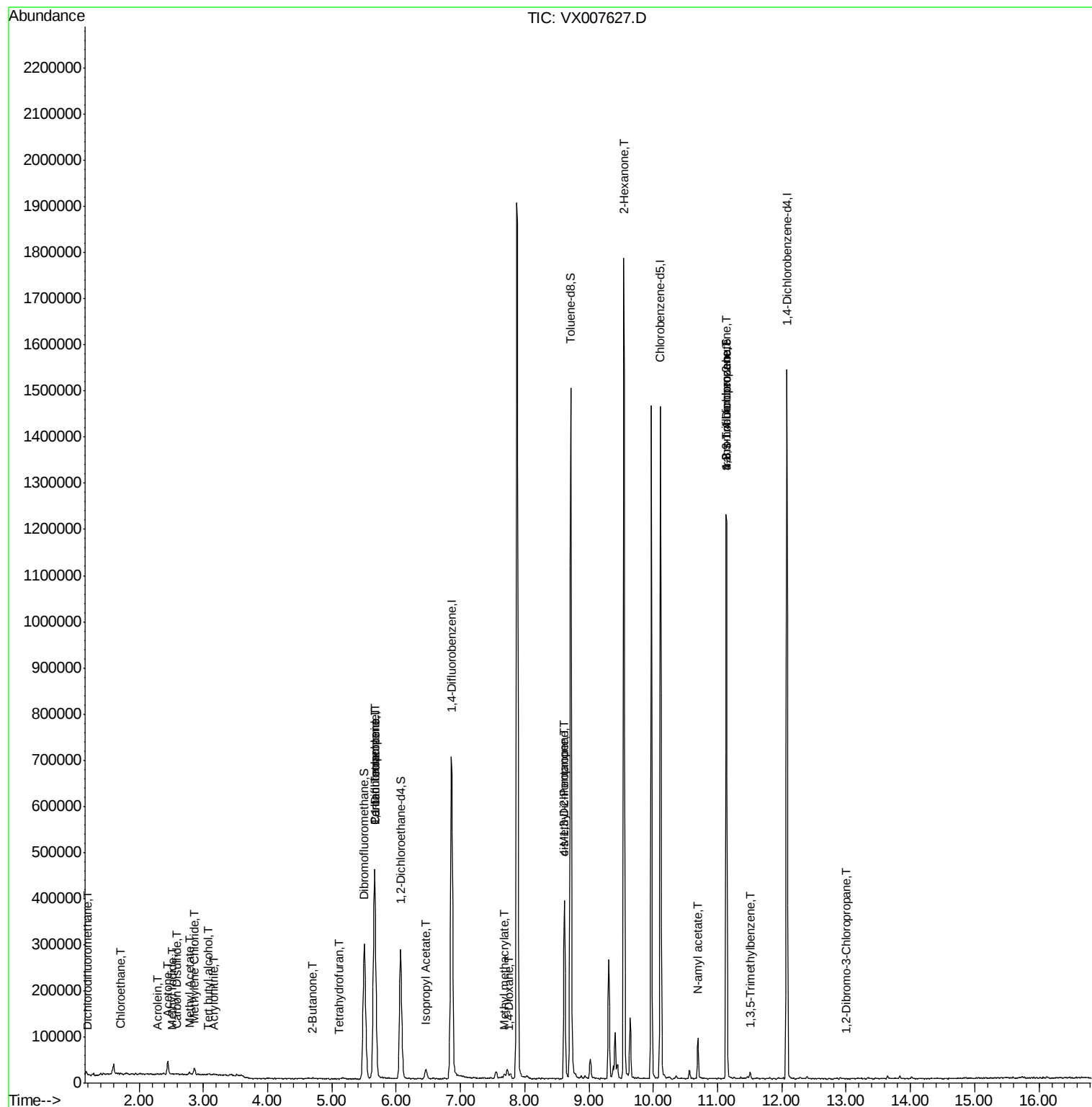
						Qvalue
2) Dichlorodifluoromethane	1.21	85	627	0.286	ug/l #	58
5) Bromomethane	1.65	94	547	Below Cal	#	36
6) Chloroethane	1.71	64	701	0.209	ug/l #	43
10) Methyl Iodide	2.52	142	1471	0.207	ug/l #	97
11) Tert butyl alcohol	3.07	59	503	0.488	ug/l #	12
13) Acrolein	2.29	56	893	1.848	ug/l #	55
15) Acrylonitrile	3.15	53	655	0.257	ug/l #	66
16) Acetone	2.45	43	31242	13.697	ug/l	95
17) Carbon Disulfide	2.58	76	2468	2.323	ug/l #	95
18) Methyl Acetate	2.78	43	5547	1.515	ug/l	100
20) Methylene Chloride	2.86	84	7409	1.206	ug/l	91
25) 2-Butanone	4.70	43	4620	1.423	ug/l #	72
29) Tetrahydrofuran	5.11	42	412	0.202	ug/l	92
36) 1,1-Dichloropropene	5.66	75	29866	4.481	ug/l #	49
38) Carbon Tetrachloride	5.67	117	42527	6.577	ug/l #	18
43) Isopropyl Acetate	6.46	43	25738	2.475	ug/l	94
48) Methyl methacrylate	7.68	41	12184	2.342	ug/l #	14
49) 1,4-Dioxane	7.76	88	170	8.306	ug/l #	25
51) 4-Methyl-2-Pentanone	8.62	43	124869	18.240	ug/l #	48
54) cis-1,3-Dichloropropene	8.62	75	62742	8.766	ug/l #	60
59) 2-Hexanone	9.54	43	197451	37.063	ug/l #	52
74) N-amyl acetate	10.69	43	19098	2.170	ug/l #	57
76) 1,2,3-Trichloropropane	11.13	75	149849	23.007	ug/l #	33
80) 1,3,5-Trimethylbenzene	11.51	105	5538	0.297	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	149849	69.326	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	13.01	75	454	0.315	ug/l #	1

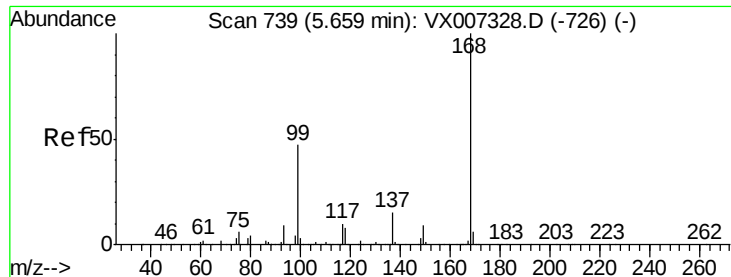
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007627.D

Acq: 21 Feb 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

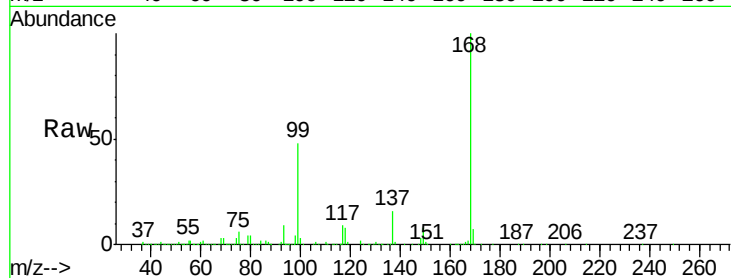
PB117250ZHE#01

Tot Ion:168 Resp: 469130

Ion Ratio Lower Upper

168 100

99 48.2 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

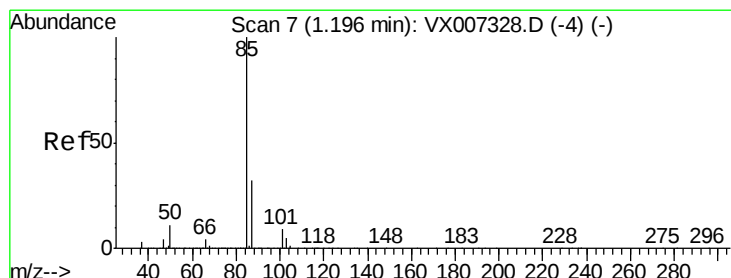
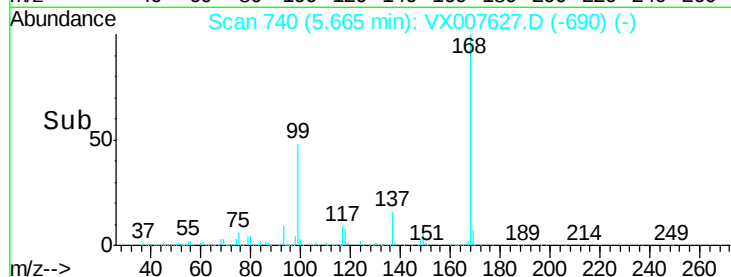
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.286 ug/l

RT: 1.21 min Scan# 9

Delta R.T. 0.01 min

Lab File: VX007627.D

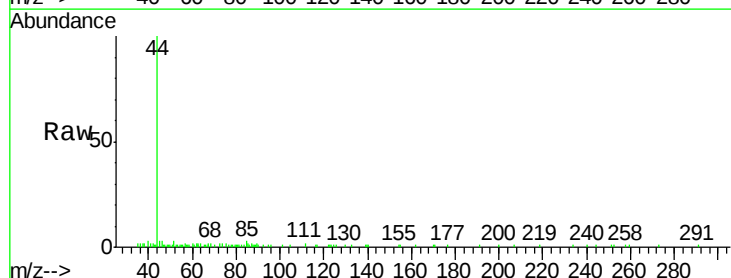
Acq: 21 Feb 2019 13:35

Tgt Ion: 85 Resp: 627

Ion Ratio Lower Upper

85 100

87 54.9 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.21

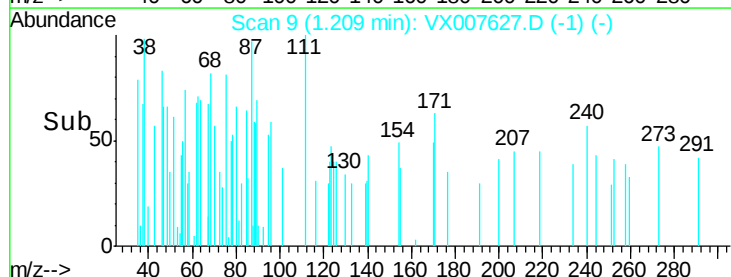
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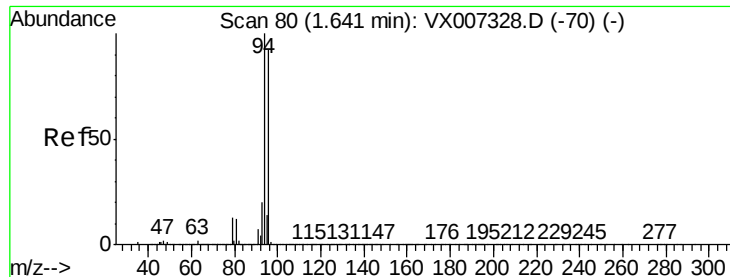
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007627.D

Acq: 21 Feb 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

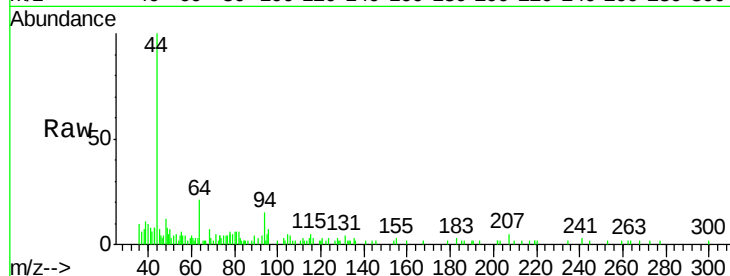
PB117250ZHE#01

Tot Ion: 94 Resp: 547

Ion Ratio Lower Upper

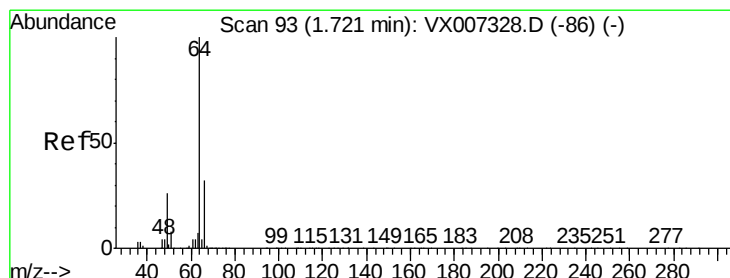
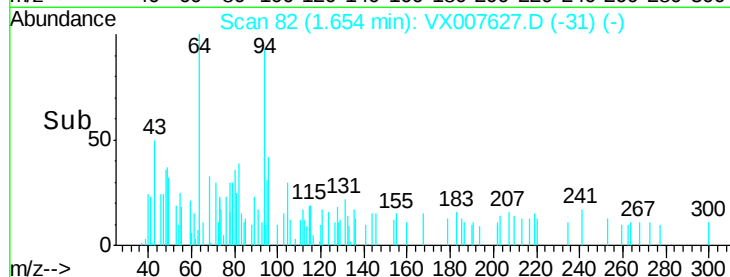
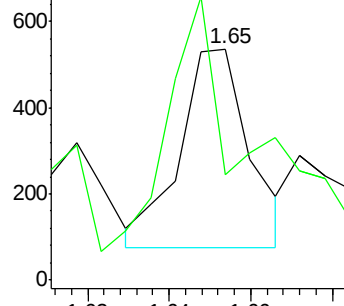
94 100

96 31.0 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.209 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX007627.D

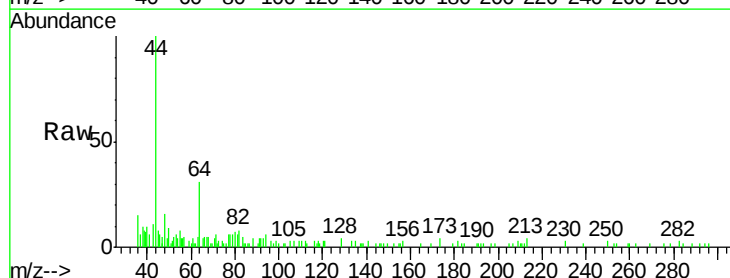
Acq: 21 Feb 2019 13:35

Tgt Ion: 64 Resp: 701

Ion Ratio Lower Upper

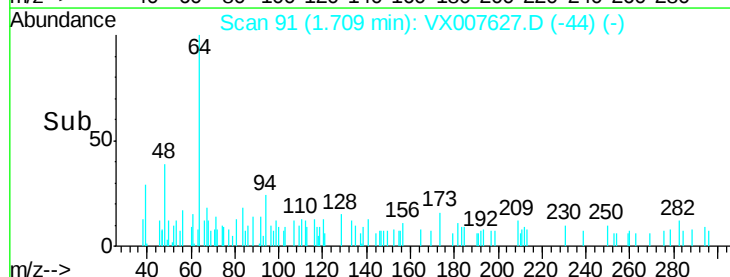
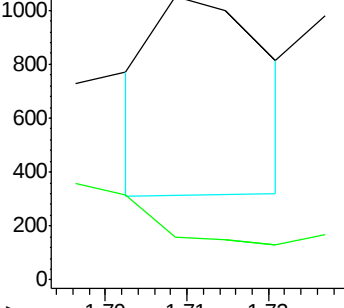
64 100

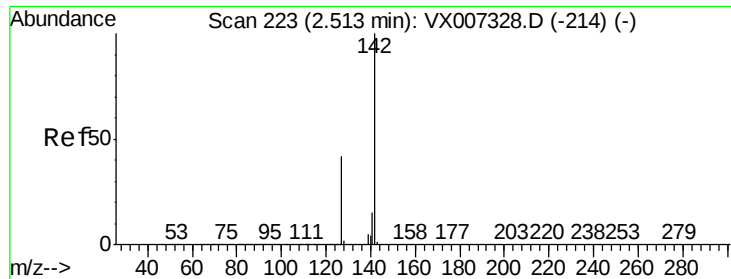
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

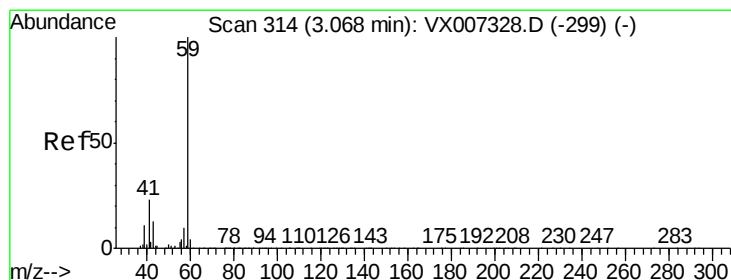
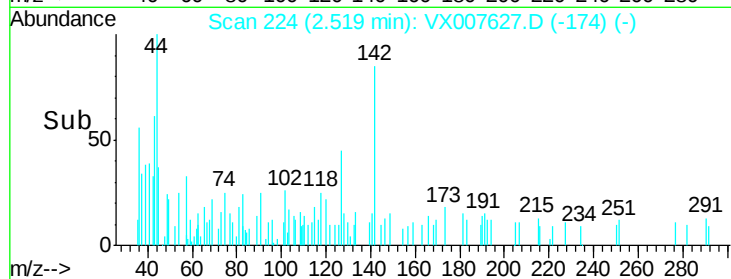
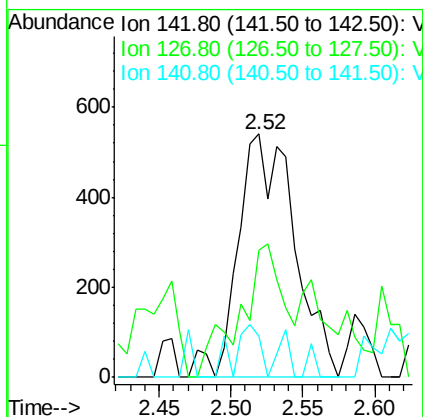
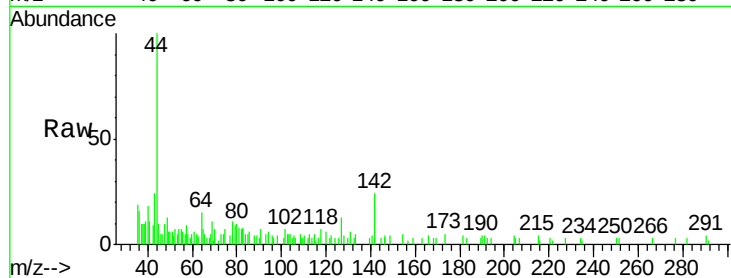




#10
Methvl Iodide
Concen: 0.207 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX007627.D
Acq: 21 Feb 2019 13:35

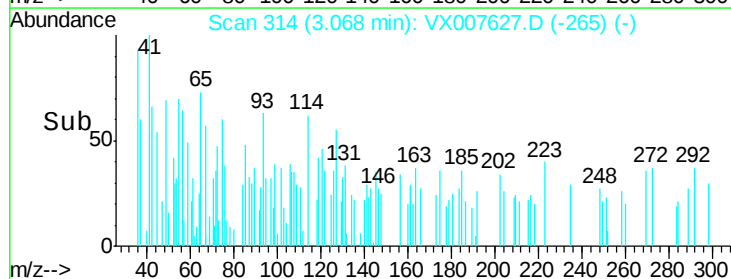
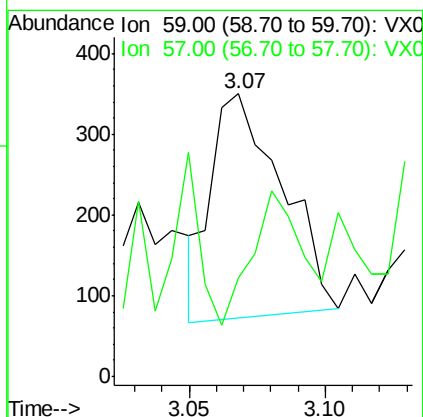
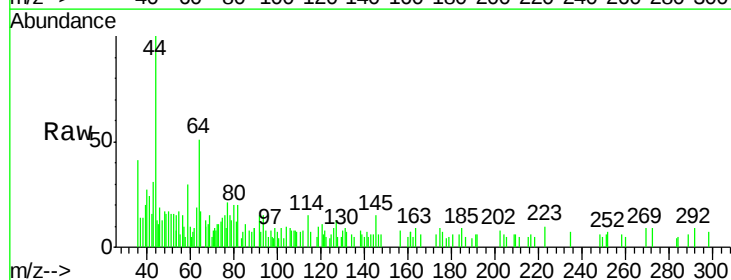
Instrument :
MSVOA_X
ClientSampleId :
PB117250ZHE#01

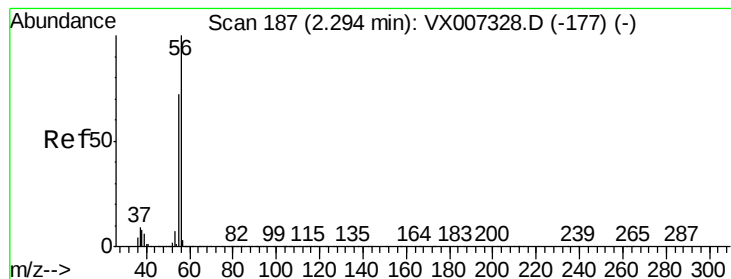
Tot Ion:142 Resp: 1471
Ion Ratio Lower Upper
142 100
127 42.6 33.7 50.5
141 9.9 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.488 ug/l
RT: 3.07 min Scan# 314
Delta R.T. 0.00 min
Lab File: VX007627.D
Acq: 21 Feb 2019 13:35

Tgt Ion: 59 Resp: 503
Ion Ratio Lower Upper
59 100
57 42.9 8.1 12.1#





#13

Acrolein

Concen: 1.848 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007627.D

Acq: 21 Feb 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

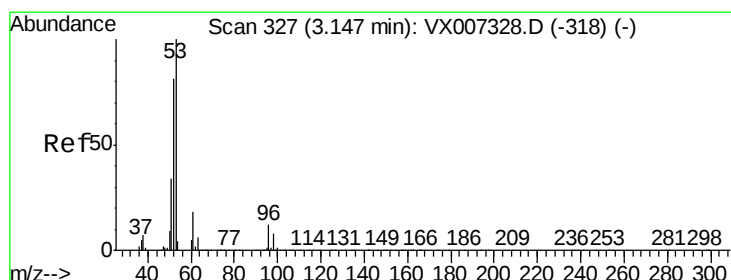
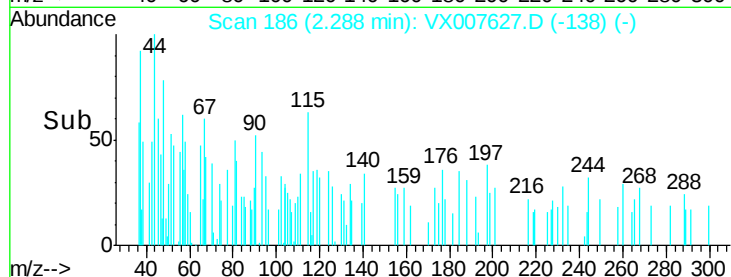
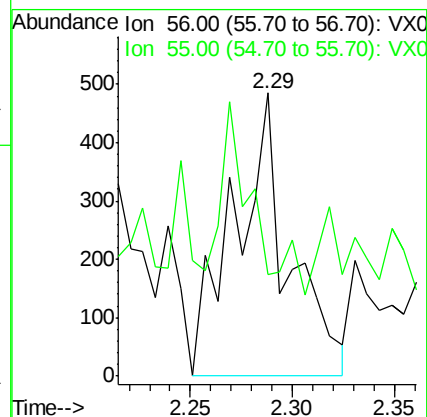
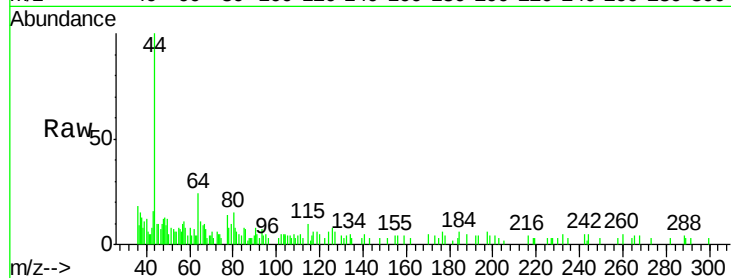
PB117250ZHE#01

Tot Ion: 56 Resp: 893

Ion Ratio Lower Upper

56 100

55 33.7 56.9 85.3#



#15

Acrylonitrile

Concen: 0.257 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007627.D

Acq: 21 Feb 2019 13:35

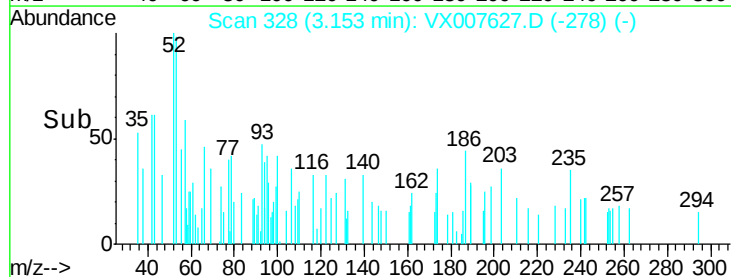
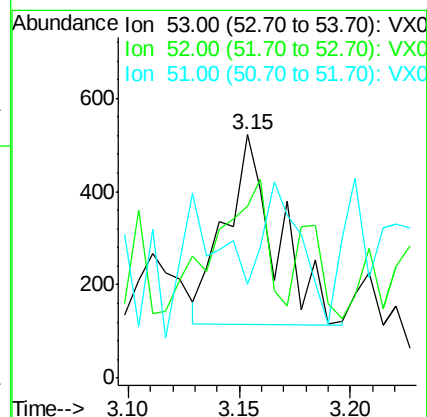
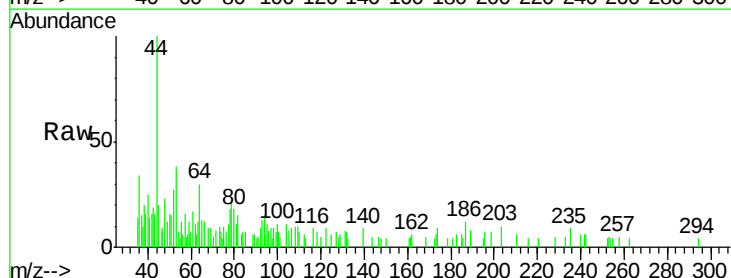
Tgt Ion: 53 Resp: 655

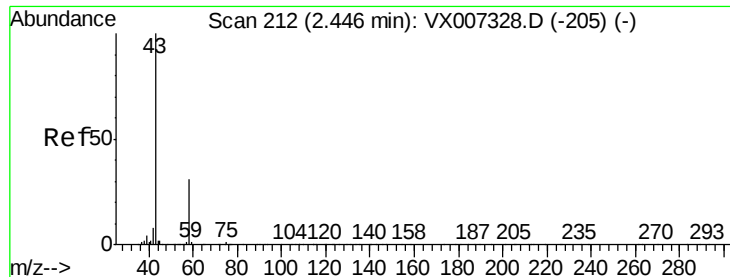
Ion Ratio Lower Upper

53 100

52 114.7 66.4 99.6#

51 54.7 28.4 42.6#





#16

Acetone

Concen: 13.697 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007627.D

Acq: 21 Feb 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

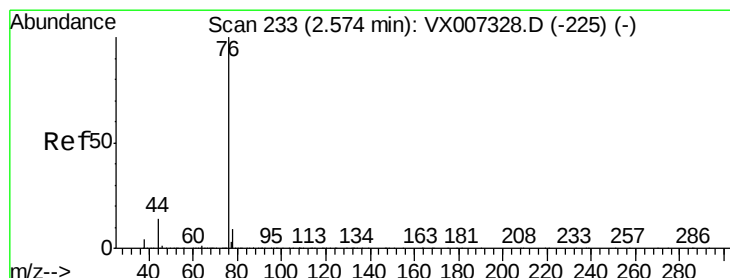
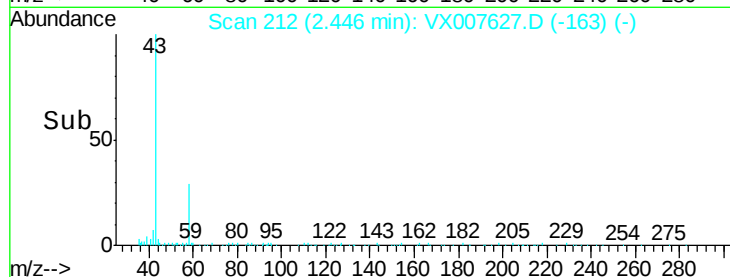
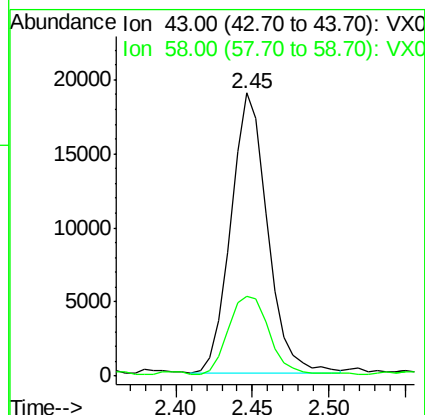
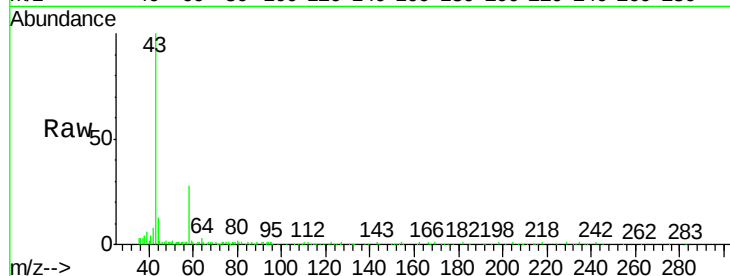
PB117250ZHE#01

Tot Ion: 43 Resp: 31242

Ion Ratio Lower Upper

43 100

58 28.2 24.9 37.3



#17

Carbon Disulfide

Concen: 2.323 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX007627.D

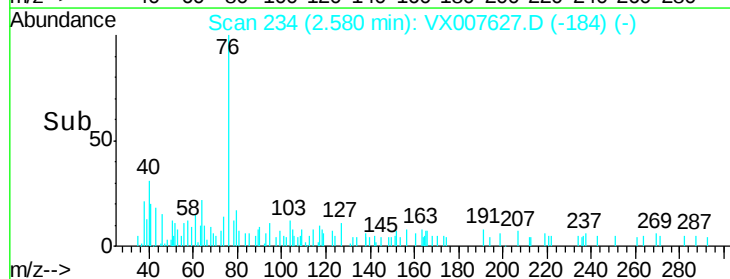
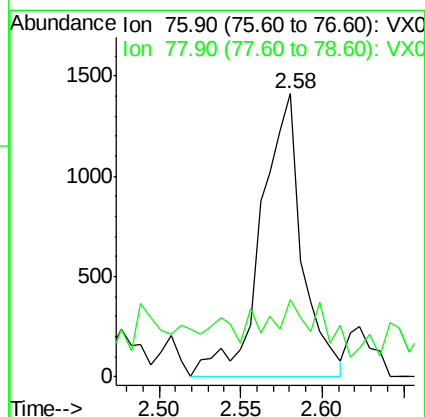
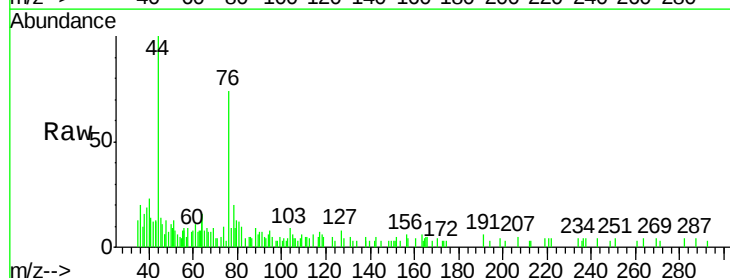
Acq: 21 Feb 2019 13:35

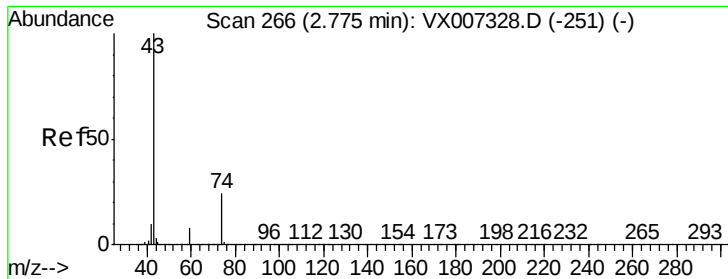
Tgt Ion: 76 Resp: 2468

Ion Ratio Lower Upper

76 100

78 10.8 7.1 10.7#

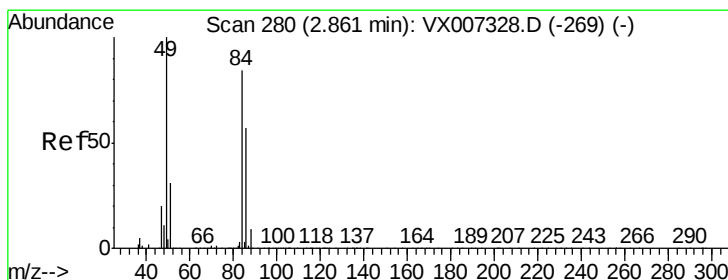
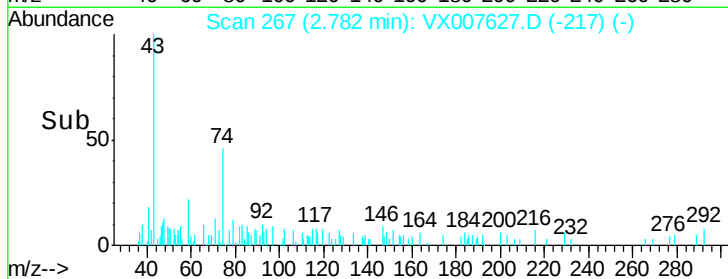
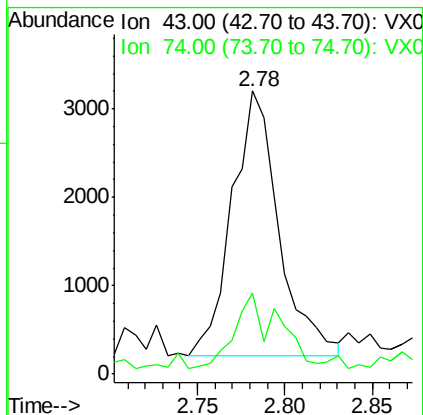
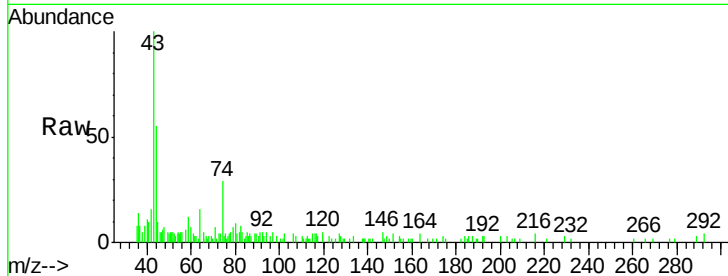




#18
Methyl Acetate
Concen: 1.515 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007627.D
Acq: 21 Feb 2019 13:35

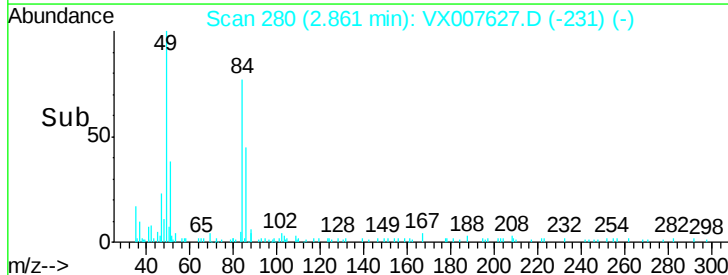
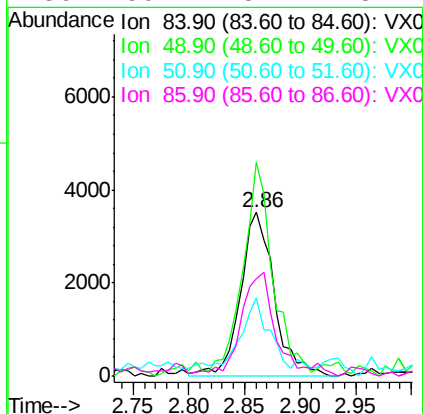
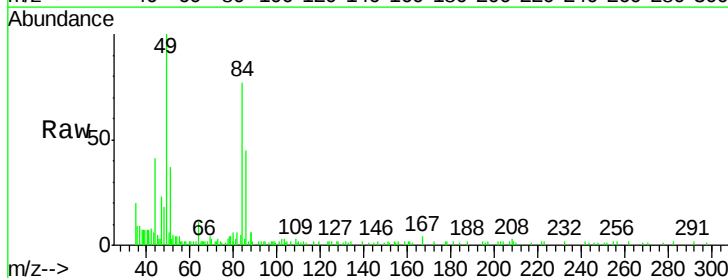
Instrument :
MSVOA_X
ClientSampleId :
PB117250ZHE#01

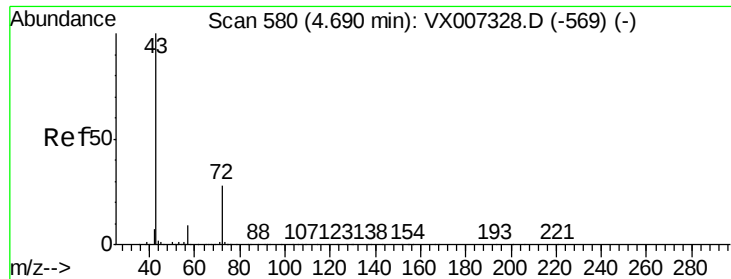
Tot Ion: 43 Resp: 5547
Ion Ratio Lower Upper
43 100
74 24.4 19.4 29.2



#20
Methylene Chloride
Concen: 1.206 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007627.D
Acq: 21 Feb 2019 13:35

Tgt Ion: 84 Resp: 7409
Ion Ratio Lower Upper
84 100
49 127.6 94.8 142.2
51 43.2 29.8 44.8
86 59.1 54.1 81.1





#25

2-Butanone

Concen: 1.423 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007627.D

Acq: 21 Feb 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

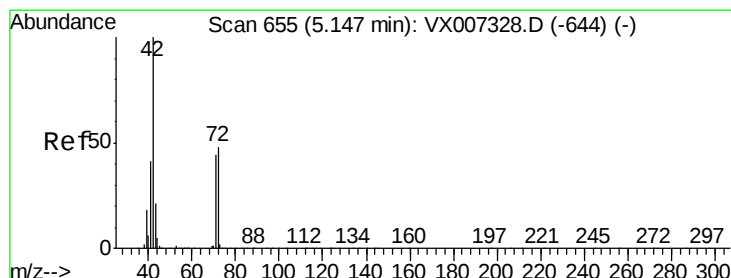
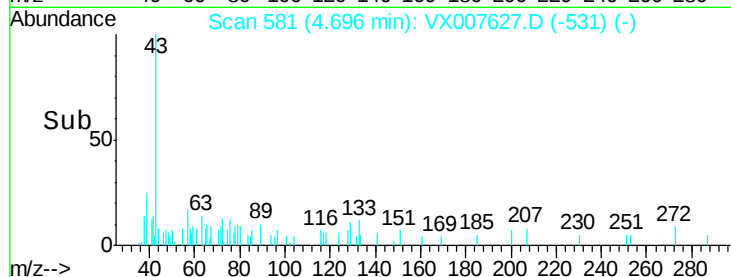
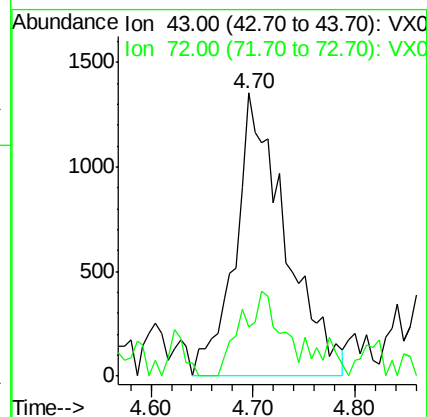
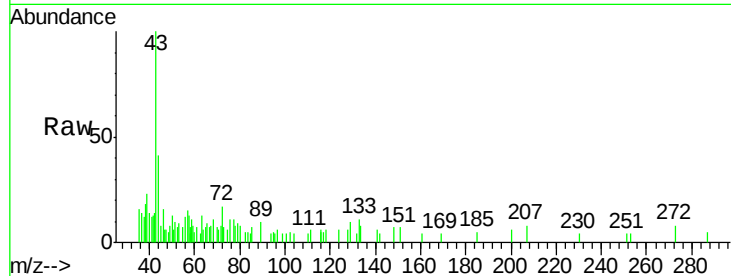
PB117250ZHE#01

Tot Ion: 43 Resp: 4620

Ion Ratio Lower Upper

43 100

72 13.2 22.2 33.2#



#29

Tetrahydrofuran

Concen: 0.202 ug/l

RT: 5.11 min Scan# 649

Delta R.T. -0.04 min

Lab File: VX007627.D

Acq: 21 Feb 2019 13:35

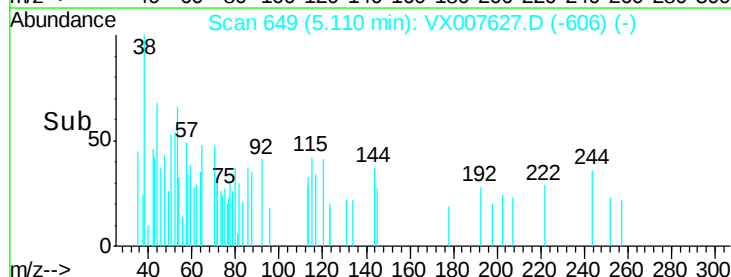
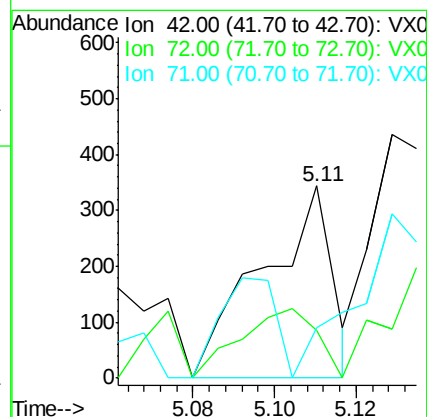
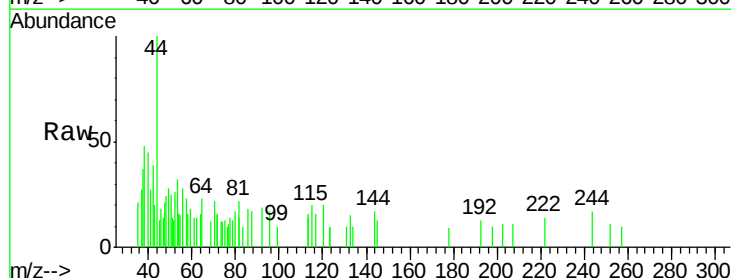
Tgt Ion: 42 Resp: 412

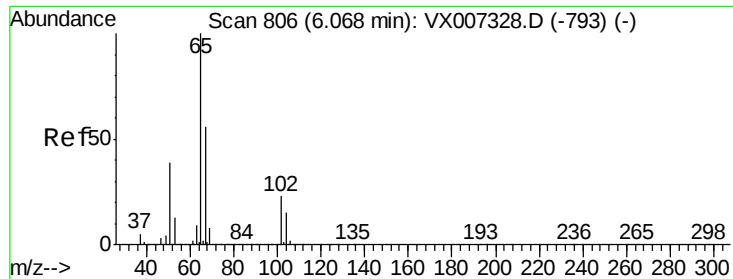
Ion Ratio Lower Upper

42 100

72 39.1 37.6 56.4

71 41.0 34.6 51.8





#33

1,2-Dichloroethane-d4

Concen: 52.338 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007627.D

Acq: 21 Feb 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

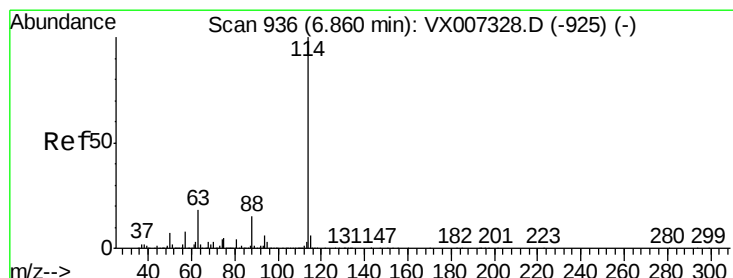
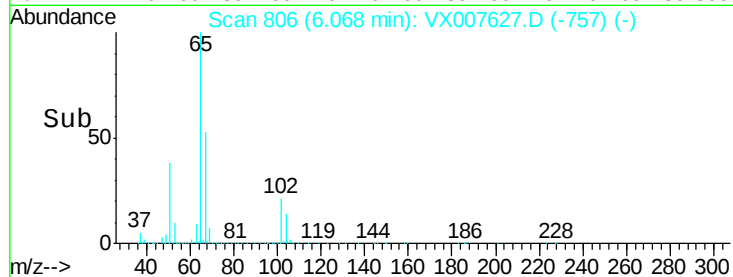
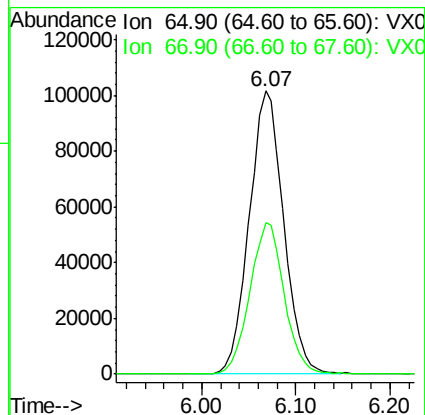
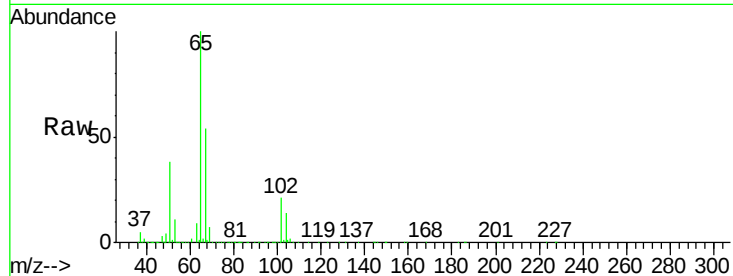
PB117250ZHE#01

Tot Ion: 65 Resp: 260613

Ion Ratio Lower Upper

65 100

67 53.1 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: VX007627.D

Acq: 21 Feb 2019 13:35

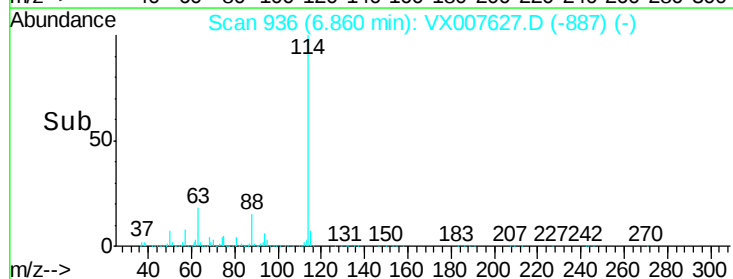
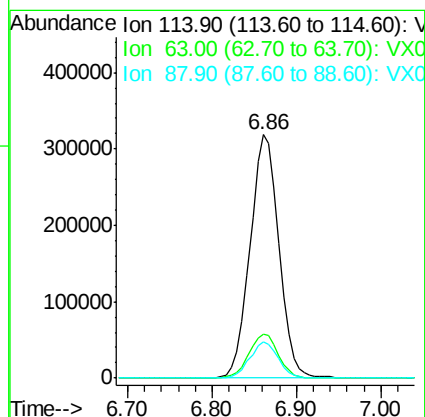
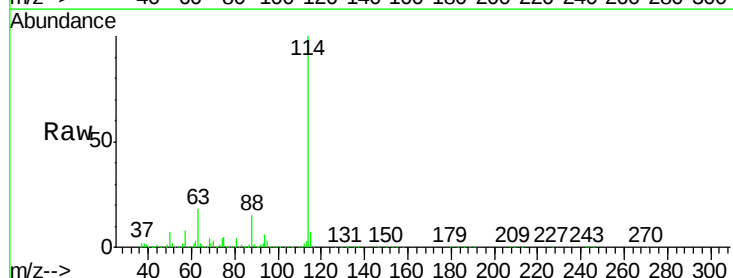
Tgt Ion: 114 Resp: 742842

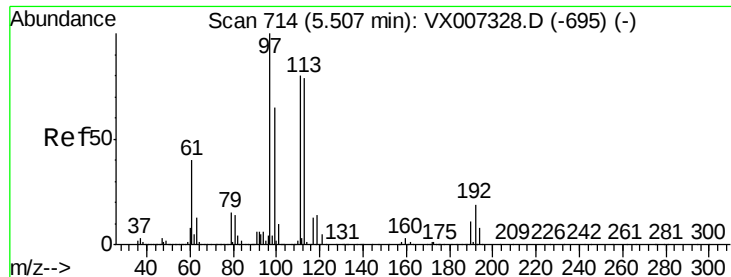
Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.6

88 14.6 0.0 29.6





#35

Dibromofluoromethane

Concen: 50.602 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007627.D

Acq: 21 Feb 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

PB117250ZHE#01

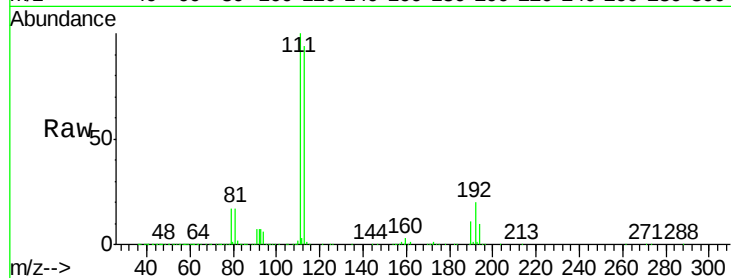
Tot Ion:113 Resp: 244578

Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.8

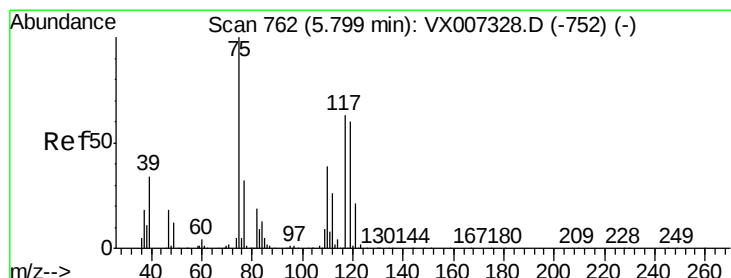
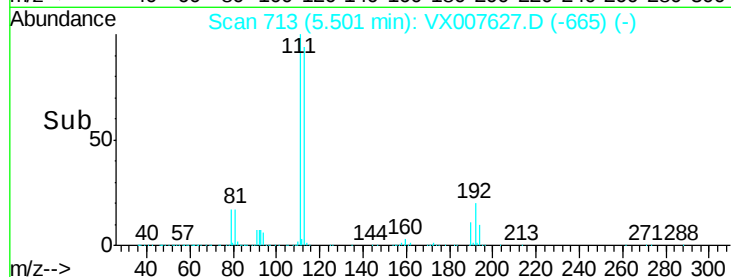
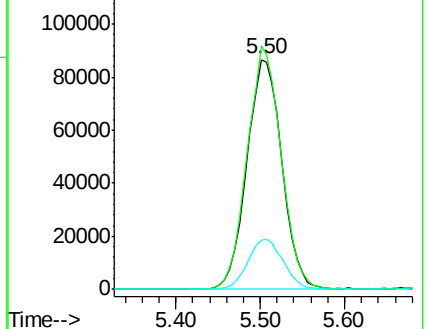
192 22.2 18.5 27.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.481 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007627.D

Acq: 21 Feb 2019 13:35

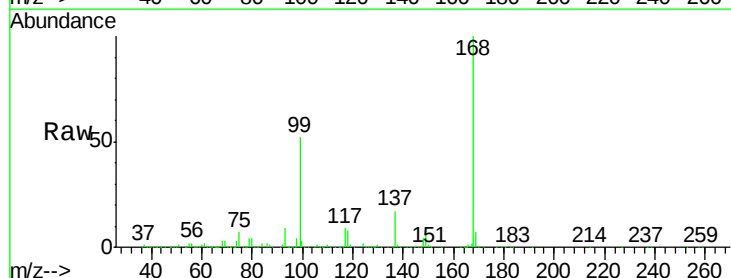
Tgt Ion: 75 Resp: 29866

Ion Ratio Lower Upper

75 100

110 10.3 20.0 59.9#

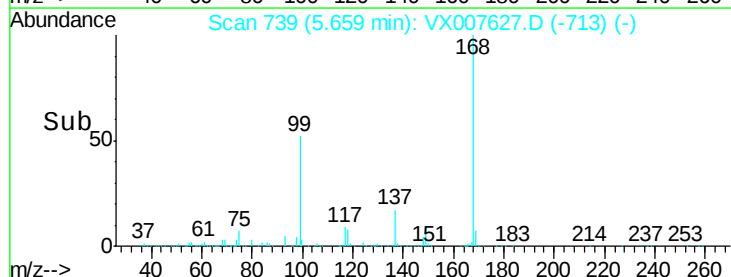
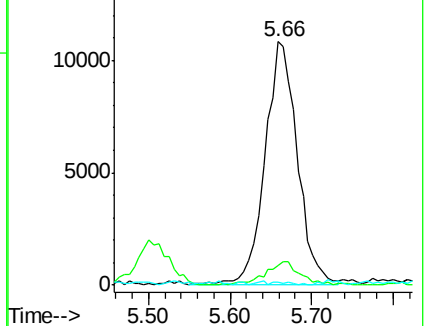
77 0.8 24.7 37.1#

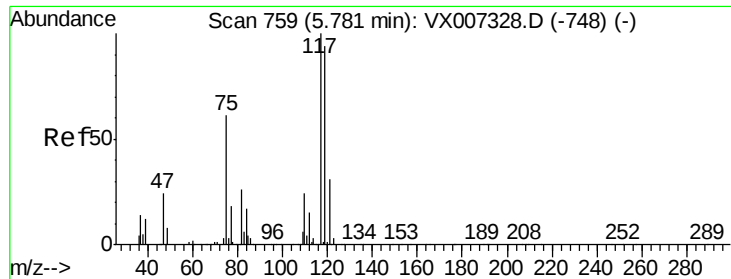


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.577 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007627.D

Acq: 21 Feb 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

PB117250ZHE#01

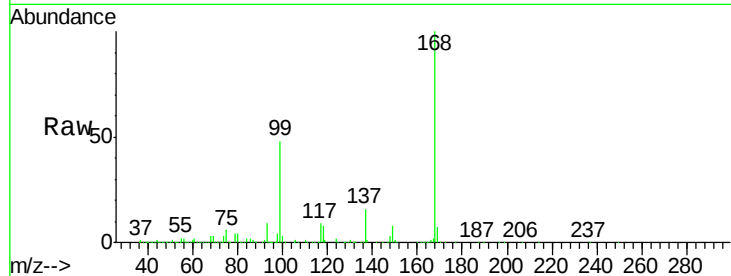
Tot Ion:117 Resp: 42527

Ion Ratio Lower Upper

117 100

119 6.6 75.3 112.9#

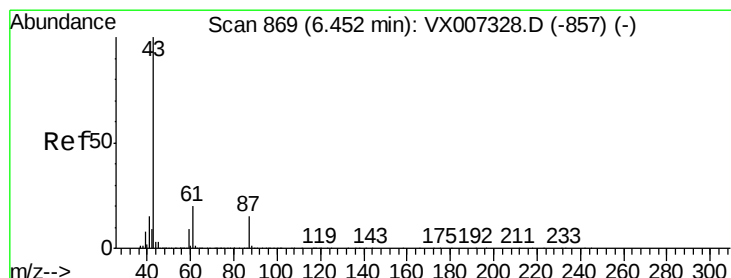
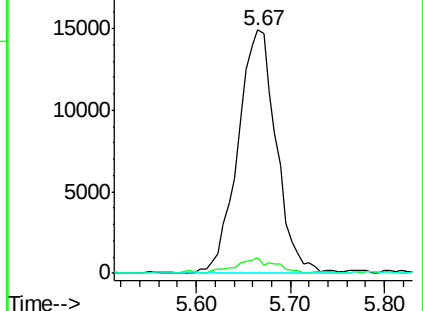
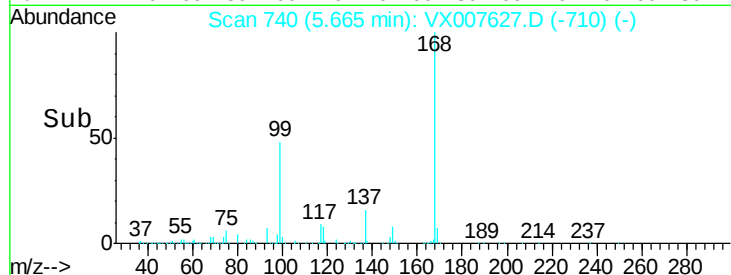
121 0.0 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 2.475 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX007627.D

Acq: 21 Feb 2019 13:35

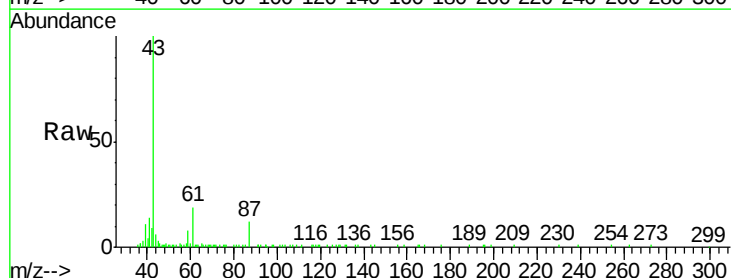
Tgt Ion: 43 Resp: 25738

Ion Ratio Lower Upper

43 100

61 23.2 16.1 24.1

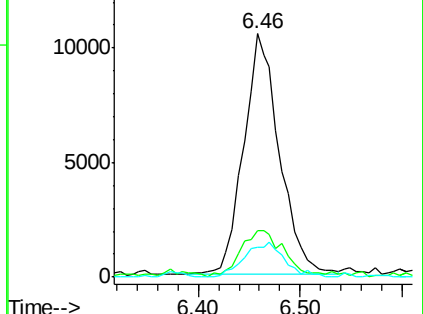
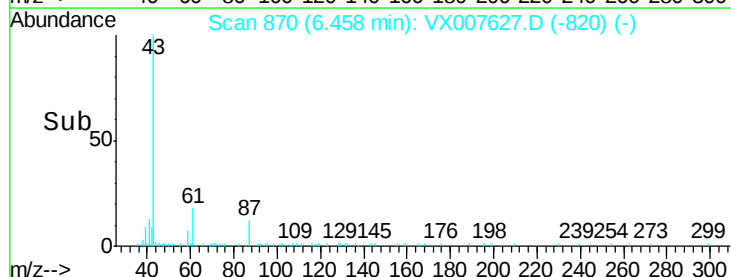
87 16.2 11.5 17.3

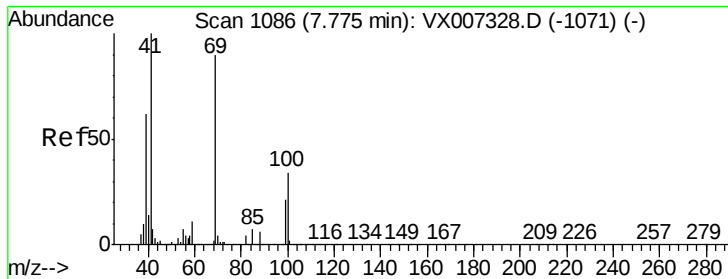


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

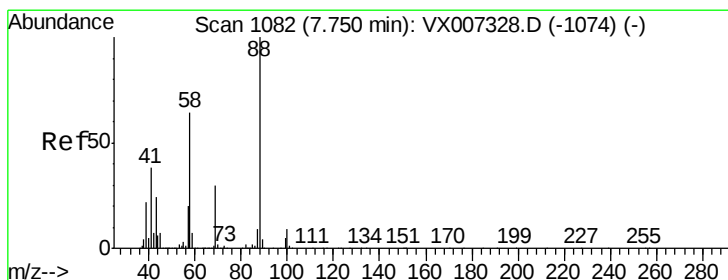
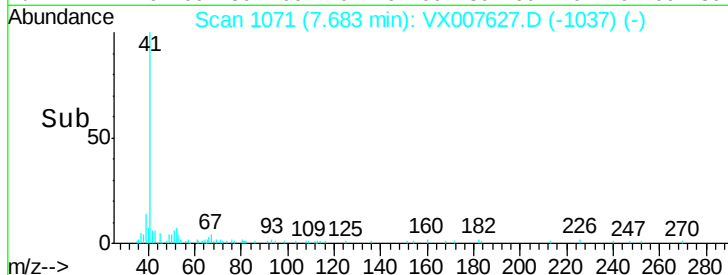
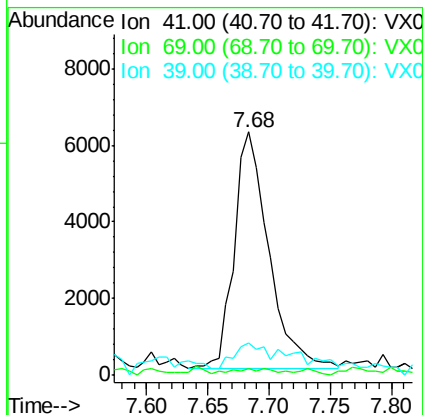
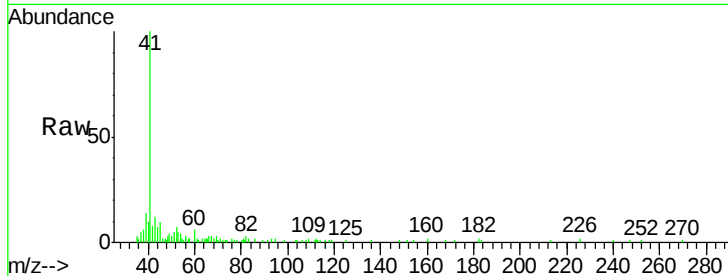




#48
Methvl methacrylate
Concen: 2.342 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.09 min
Lab File: VX007627.D
Acq: 21 Feb 2019 13:35

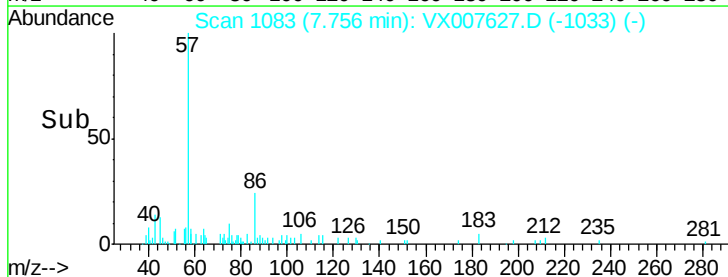
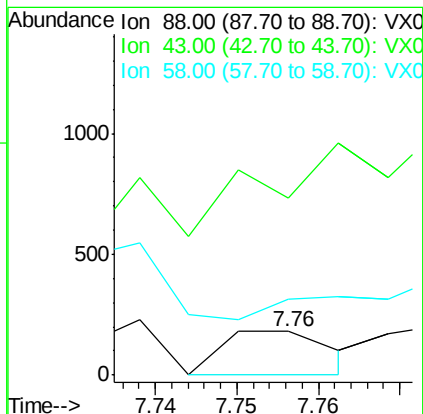
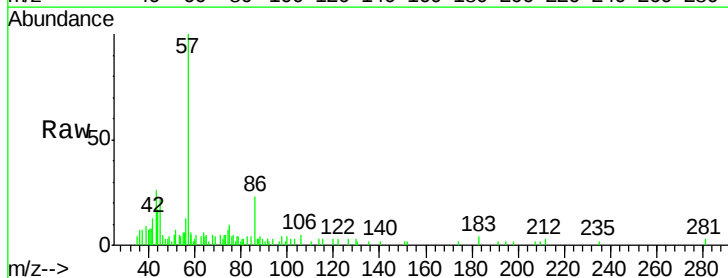
Instrument :
MSVOA_X
ClientSampleId :
PB117250ZHE#01

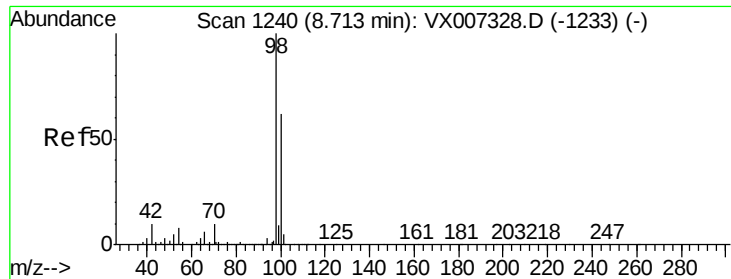
Tot Ion	Ratio	Lower	Upper
41	100		
69	3.4	70.2	105.4#
39	0.0	47.4	71.0#



#49
1,4-Dioxane
Concen: 8.306 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX007627.D
Acq: 21 Feb 2019 13:35

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	24.2	36.4#
58	0.0	53.0	79.4#





#50

Toluene-d8

Concen: 50.607 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007627.D

Acq: 21 Feb 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

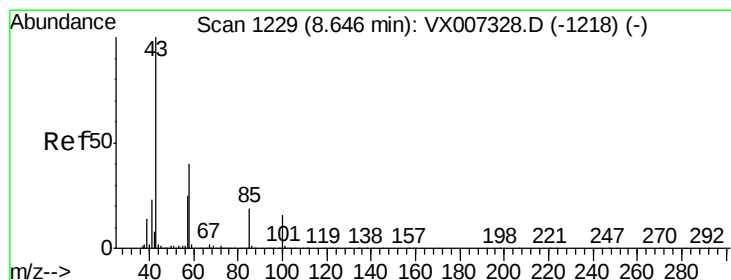
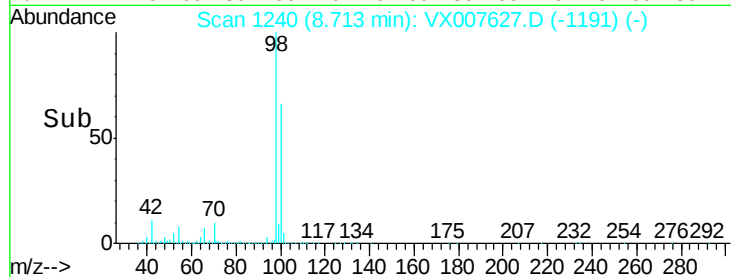
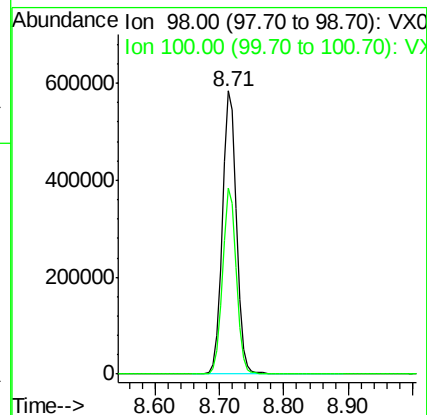
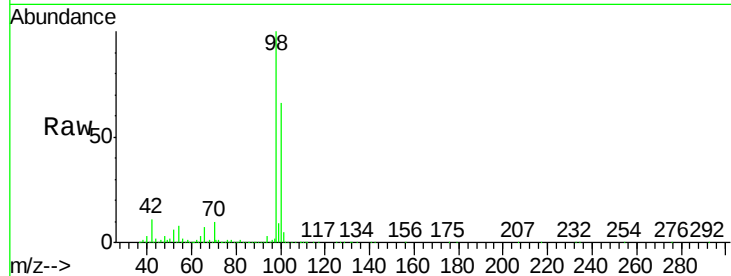
PB117250ZHE#01

Tot Ion: 98 Resp: 907522

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 18.240 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX007627.D

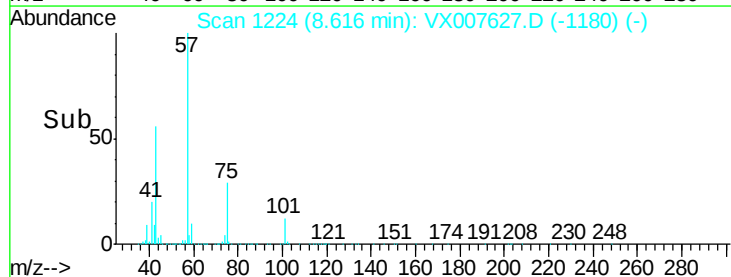
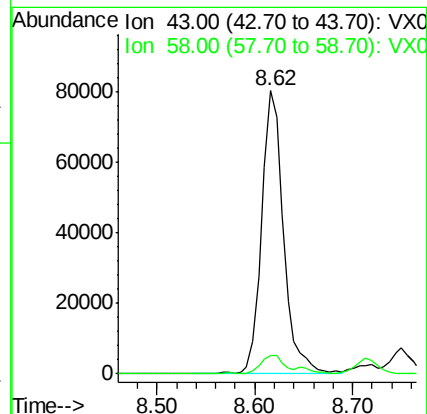
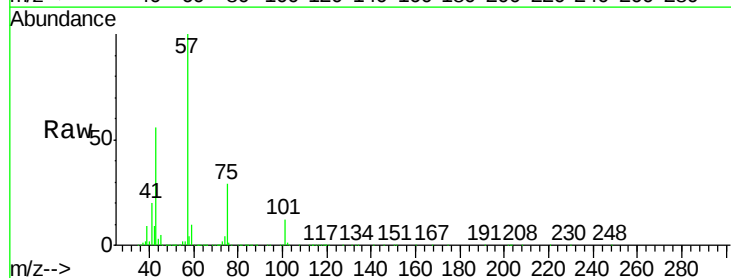
Acq: 21 Feb 2019 13:35

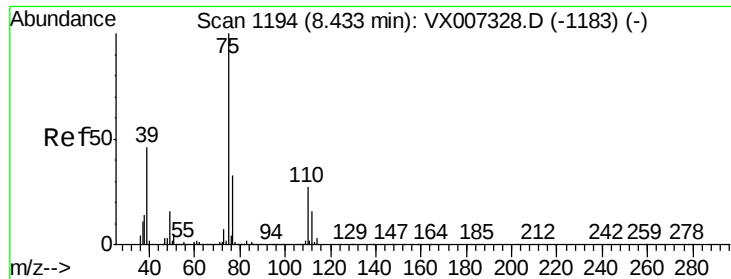
Tgt Ion: 43 Resp: 124869

Ion Ratio Lower Upper

43 100

58 7.0 31.2 46.8#





#54

cis-1,3-Dichloropropene

Concen: 8.766 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.19 min

Lab File: VX007627.D

Acq: 21 Feb 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

PB117250ZHE#01

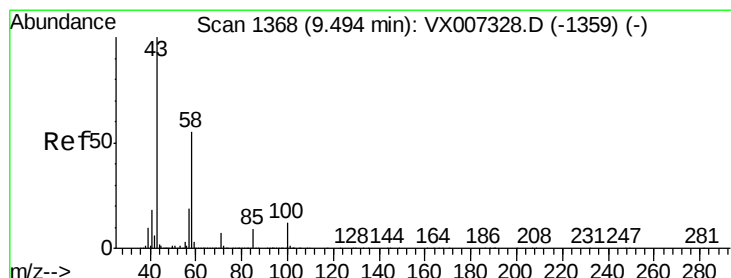
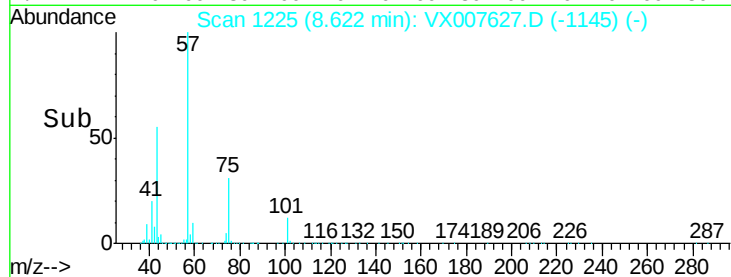
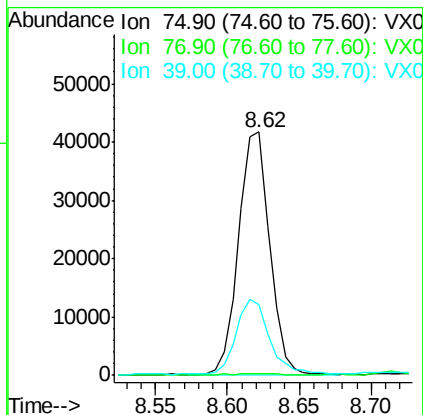
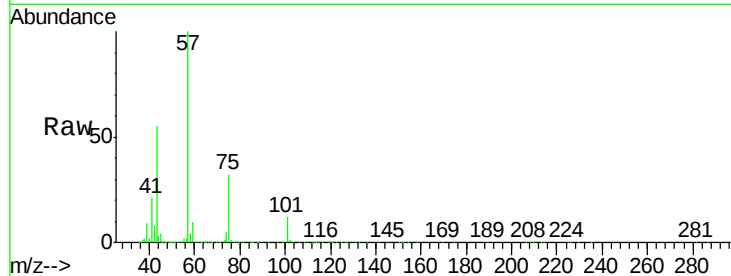
Tot Ion: 75 Resp: 62742

Ion Ratio Lower Upper

75 100

77 0.5 26.2 39.4#

39 28.3 37.1 55.7#



#59

2-Hexanone

Concen: 37.063 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX007627.D

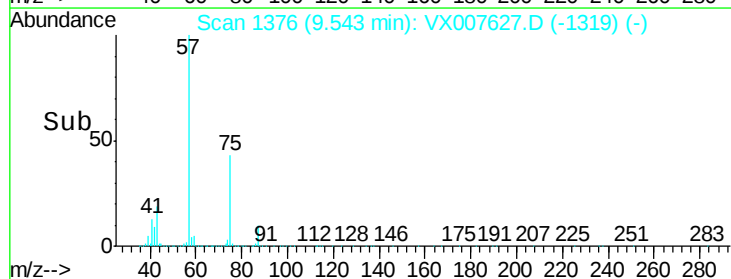
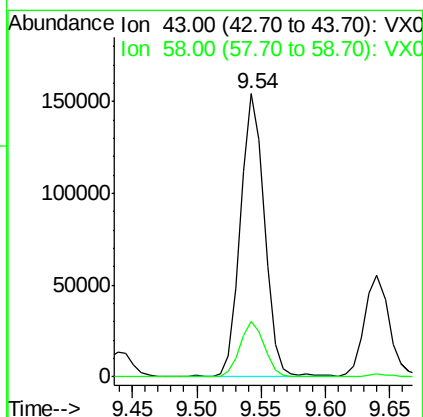
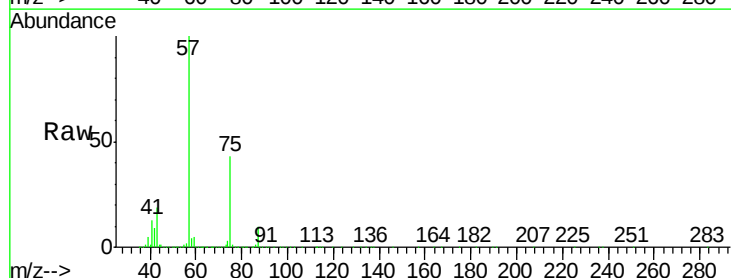
Acq: 21 Feb 2019 13:35

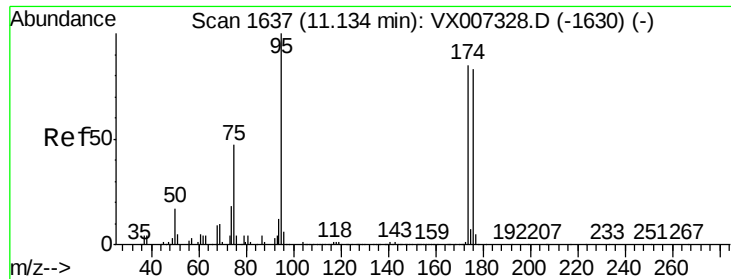
Tgt Ion: 43 Resp: 197451

Ion Ratio Lower Upper

43 100

58 20.1 27.1 81.3#





#62

4-Bromofluorobenzene

Concen: 48.159 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007627.D

Acq: 21 Feb 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

PB117250ZHE#01

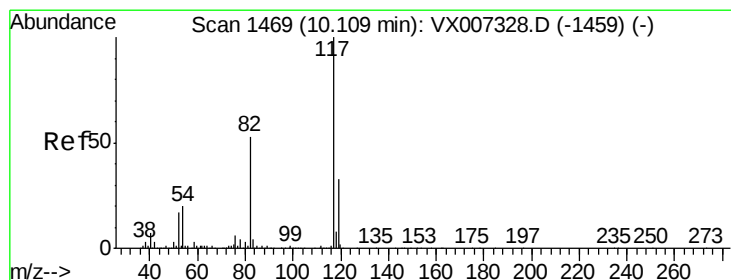
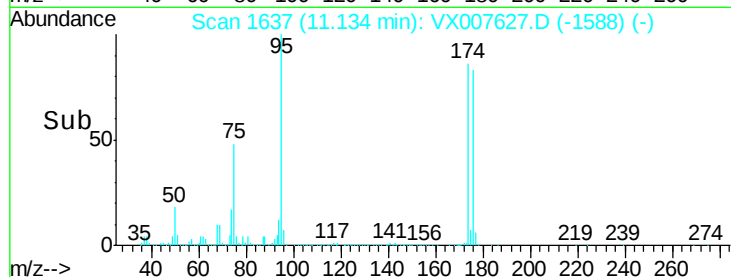
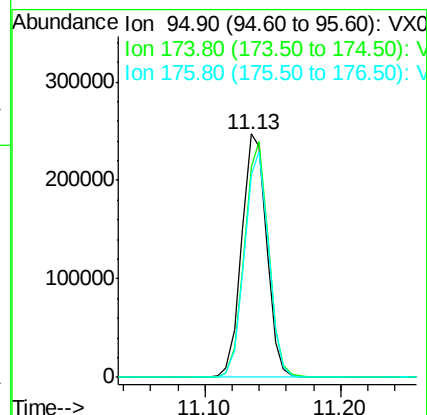
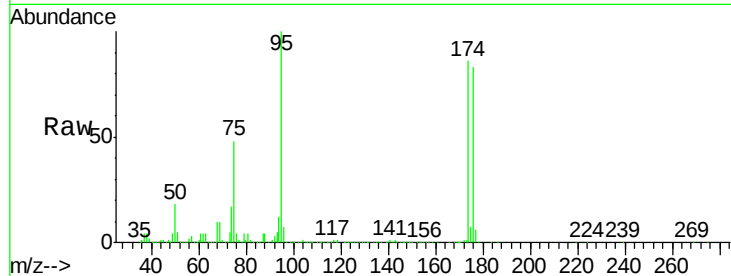
Tot Ion: 95 Resp: 315309

Ion Ratio Lower Upper

95 100

174 93.5 0.0 189.2

176 90.2 0.0 186.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX007627.D

Acq: 21 Feb 2019 13:35

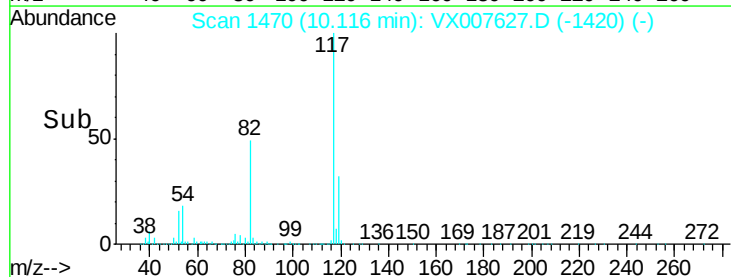
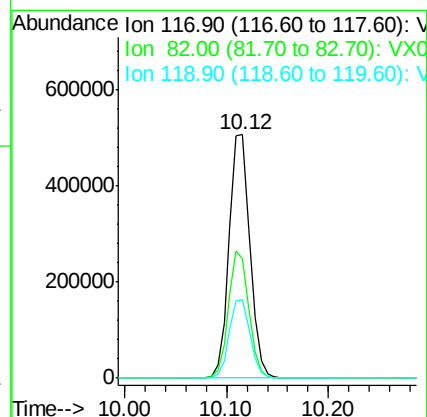
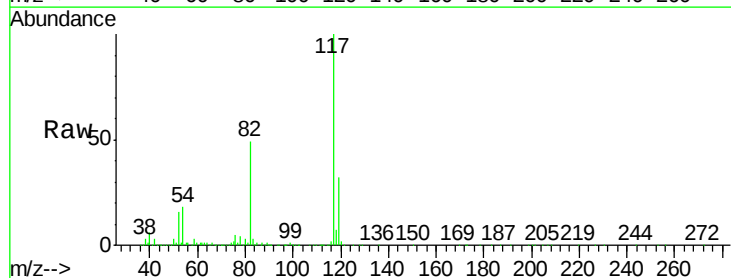
Tgt Ion: 117 Resp: 717433

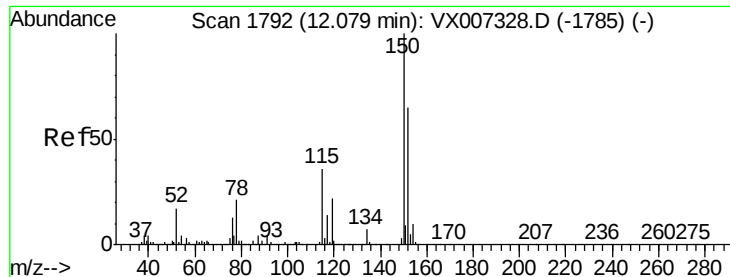
Ion Ratio Lower Upper

117 100

82 48.9 42.1 63.1

119 32.2 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007627.D

Acq: 21 Feb 2019 13:35

Instrument :

MSVOA_X

ClientSampleId :

PB117250ZHE#01

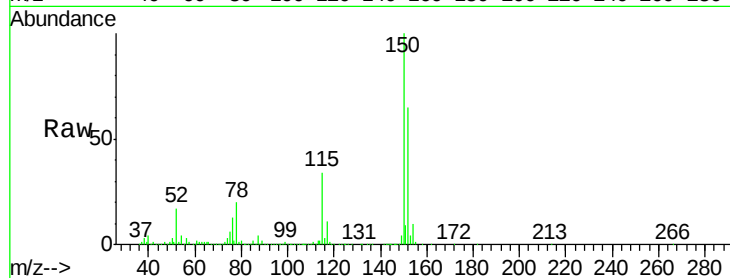
Tot Ion:152 Resp: 334854

Ion Ratio Lower Upper

152 100

115 54.6 38.0 114.0

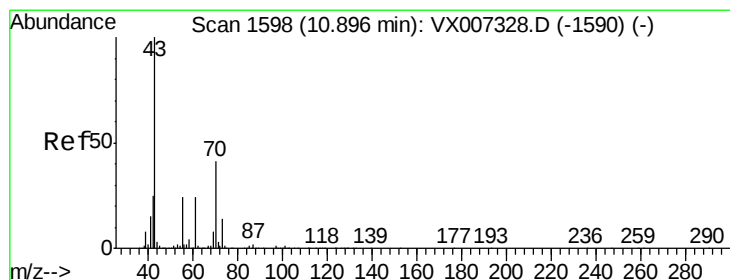
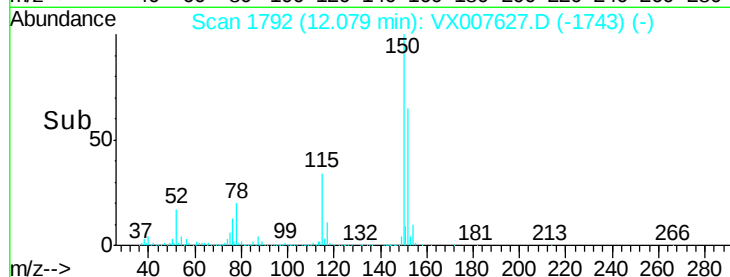
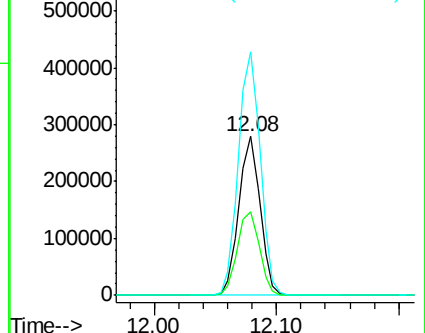
150 157.2 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 2.170 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.20 min

Lab File: VX007627.D

Acq: 21 Feb 2019 13:35

Tgt Ion: 43 Resp: 19098

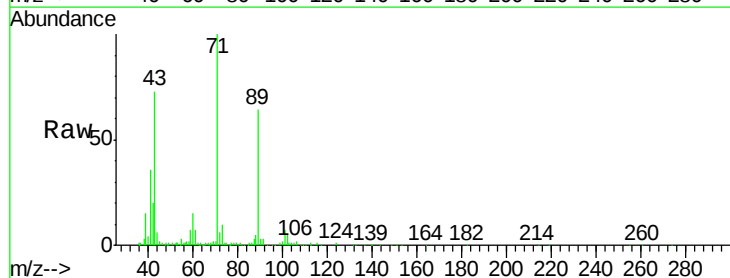
Ion Ratio Lower Upper

43 100

70 4.3 33.8 50.6#

55 7.1 19.5 29.3#

61 13.6 19.4 29.2#

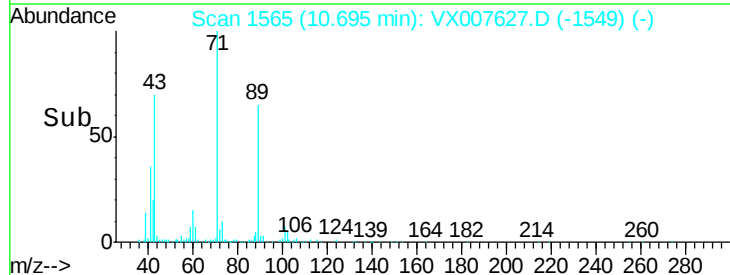
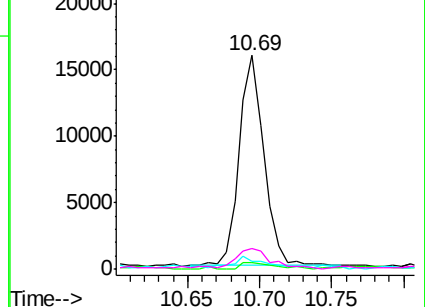


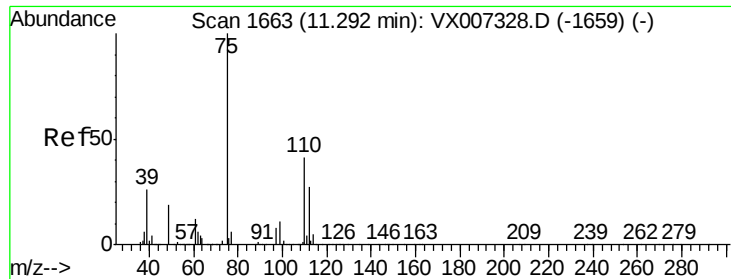
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

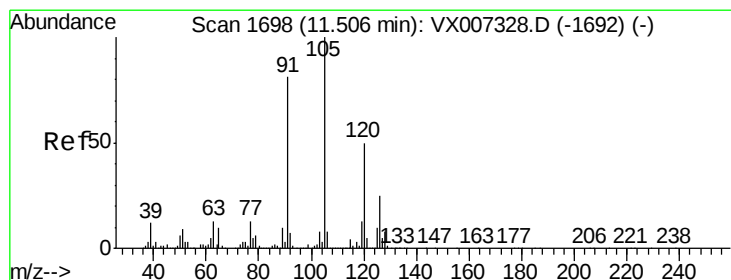
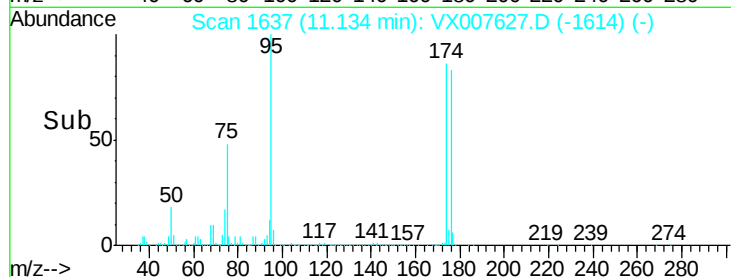
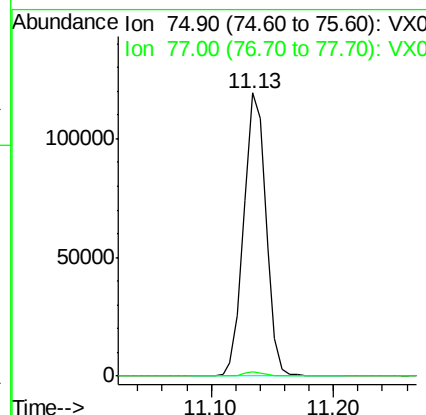
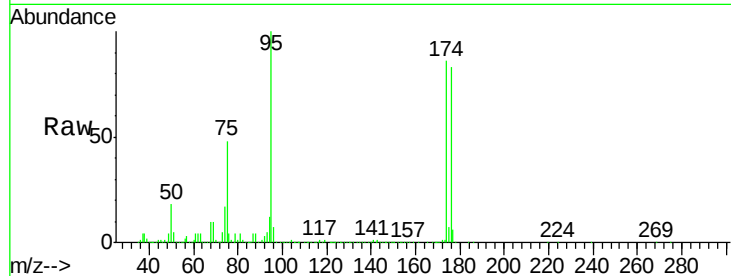




#76
 1,2,3-Trichloropropane
 Concen: 23.007 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007627.D
 Acq: 21 Feb 2019 13:35

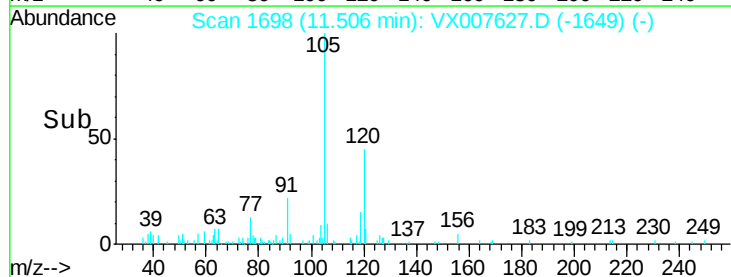
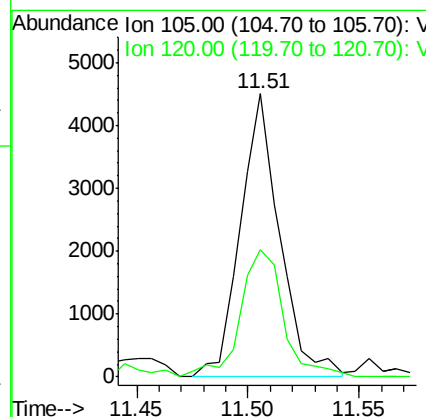
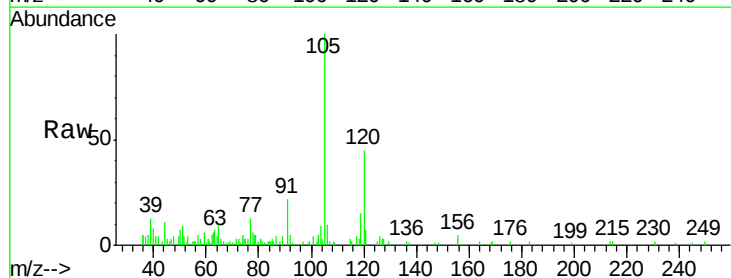
Instrument :
 MSVOA_X
 ClientSampleId :
 PB117250ZHE#01

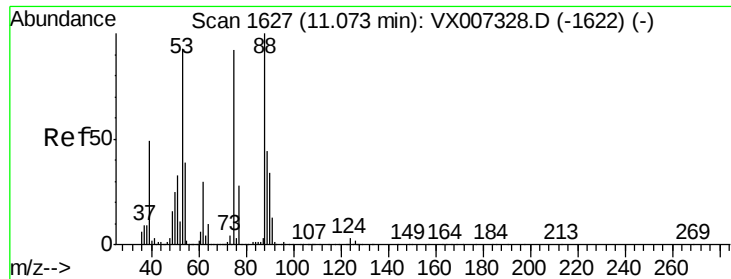
Tot Ion: 75 Resp: 149849
 Ion Ratio Lower Upper
 75 100
 77 1.6 23.0 69.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.297 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007627.D
 Acq: 21 Feb 2019 13:35

Tgt Ion:105 Resp: 5538
 Ion Ratio Lower Upper
 105 100
 120 49.2 25.3 75.8

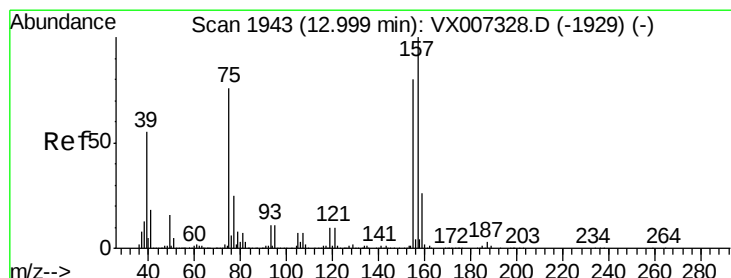
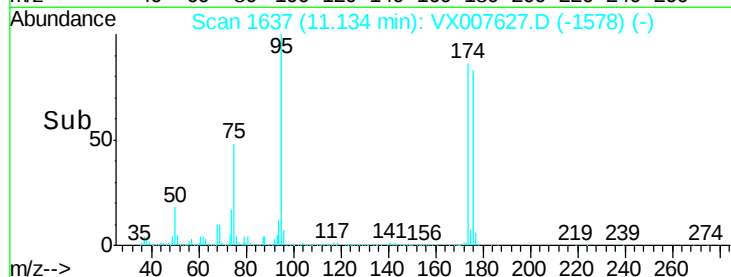
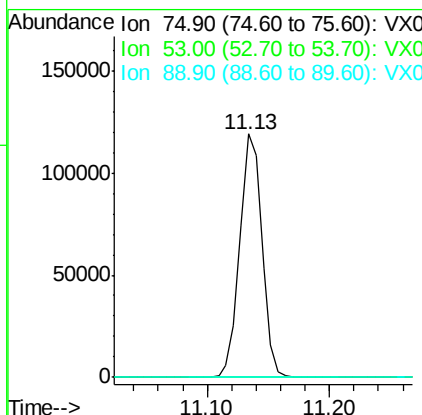
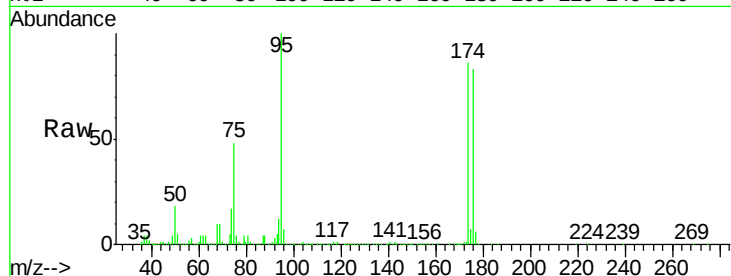




#81
trans-1,4-Dichloro-2-butene
Concen: 69.326 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX007627.D
Acq: 21 Feb 2019 13:35

Instrument :
MSVOA_X
ClientSampleId :
PB117250ZHE#01

Tot Ion: 75 Resp: 149849
Ion Ratio Lower Upper
75 100
53 0.1 81.0 121.6#
89 0.2 41.4 62.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.315 ug/l
RT: 13.01 min Scan# 1944
Delta R.T. 0.01 min
Lab File: VX007627.D
Acq: 21 Feb 2019 13:35

Tgt Ion: 75 Resp: 454
Ion Ratio Lower Upper
75 100
155 12.1 49.6 149.0#
157 0.0 65.1 195.3#

