

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022119\
 Data File : VX007640.D
 Acq On : 21 Feb 2019 19:22
 Operator : JC/SP
 Sample : PB117250ZHE#14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB117250ZHE#14

Quant Time: Feb 22 04:35:21 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	5.66	168	440811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	730281	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	707403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	331131	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	255757	54.66	ug/l	0.00
Spiked Amount			Recovery	=	109.32%	
35) Dibromofluoromethane	5.51	113	241590	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
50) Toluene-d8	8.71	98	893885	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	11.13	95	309921	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	

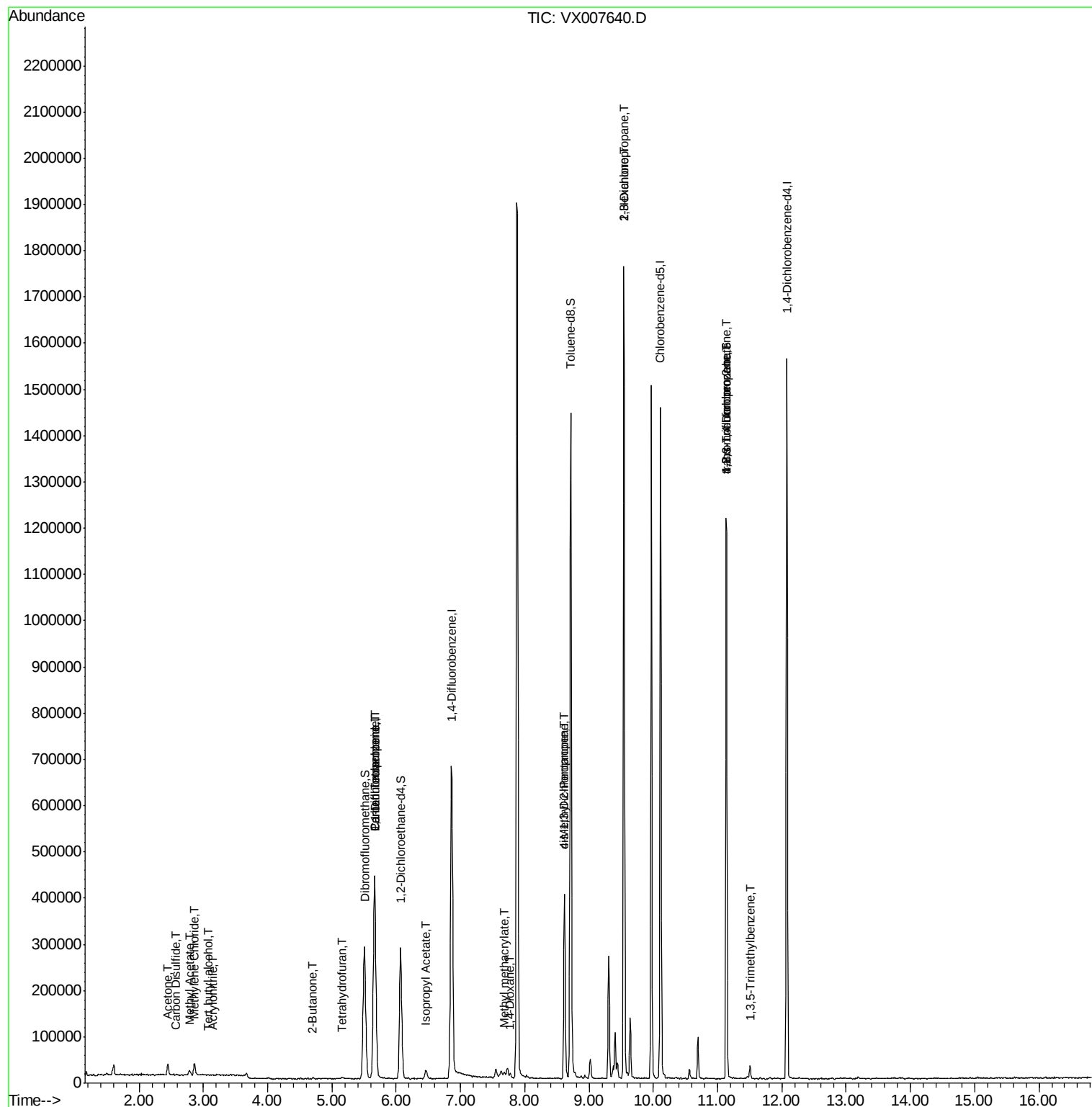
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	256	Below Cal	#	31
11) Tert butyl alcohol	3.07	59	887	0.916	ug/l #	88
15) Acrylonitrile	3.15	53	541	0.226	ug/l #	55
16) Acetone	2.45	43	26565	12.395	ug/l	94
17) Carbon Disulfide	2.57	76	795	2.190	ug/l #	84
18) Methyl Acetate	2.78	43	13464	2.976	ug/l	95
20) Methylene Chloride	2.86	84	12561	2.496	ug/l	97
25) 2-Butanone	4.70	43	5356	1.756	ug/l #	88
29) Tetrahydrofuran	5.16	42	2385	1.243	ug/l #	84
36) 1,1-Dichloropropene	5.66	75	30509	4.656	ug/l #	49
38) Carbon Tetrachloride	5.66	117	41103	6.466	ug/l #	19
43) Isopropyl Acetate	6.46	43	24176	2.365	ug/l	94
48) Methyl methacrylate	7.68	41	11927	2.332	ug/l #	13
49) 1,4-Dioxane	7.76	88	378	10.107	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	126714	18.827	ug/l #	51
54) cis-1,3-Dichloropropene	8.62	75	65060	9.246	ug/l #	62
57) 1,3-Dichloropropane	9.54	76	15753	1.908	ug/l #	47
59) 2-Hexanone	9.54	43	198659	37.932	ug/l #	52
76) 1,2,3-Trichloropropane	11.13	75	150009	23.290	ug/l #	33
80) 1,3,5-Trimethylbenzene	11.51	105	12101	0.657	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.13	75	150009	70.128	ug/l #	9

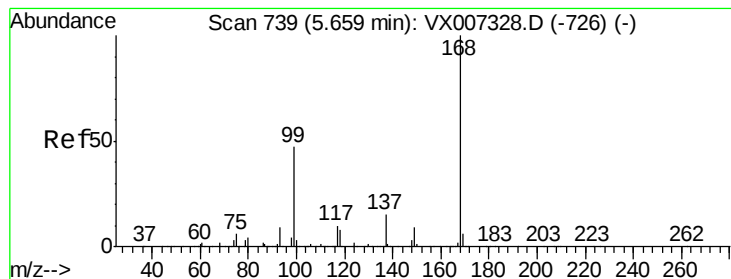
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007640.D

Acq: 21 Feb 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

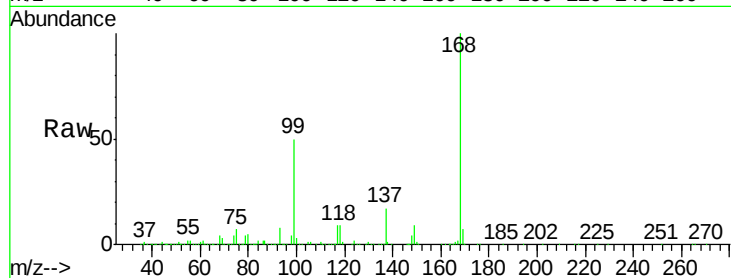
PB117250ZHE#14

Tot Ion:168 Resp: 440811

Ion Ratio Lower Upper

168 100

99 49.6 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

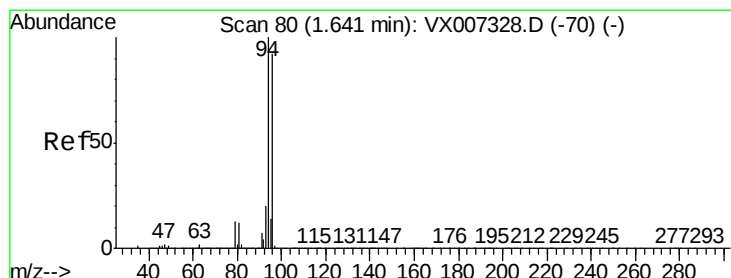
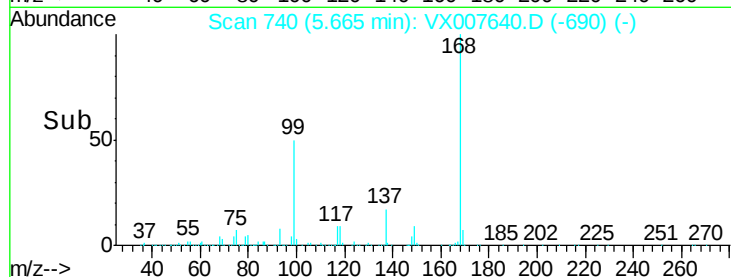
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007640.D

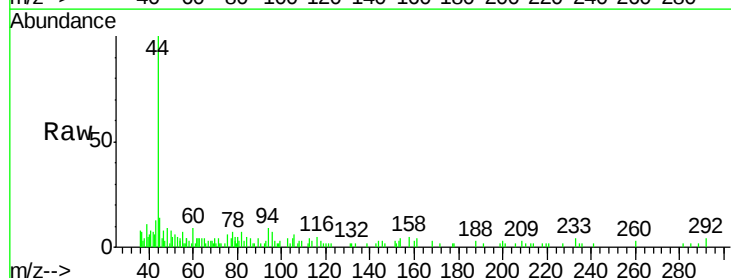
Acq: 21 Feb 2019 19:22

Tgt Ion: 94 Resp: 256

Ion Ratio Lower Upper

94 100

96 26.1 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

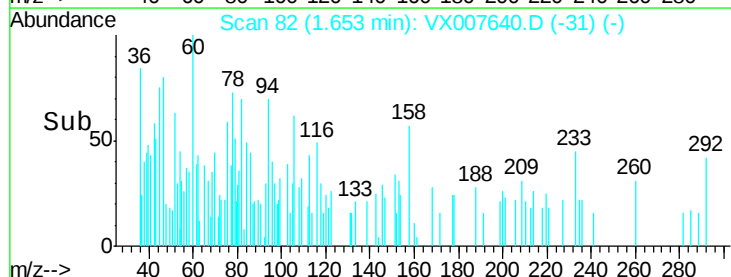
300

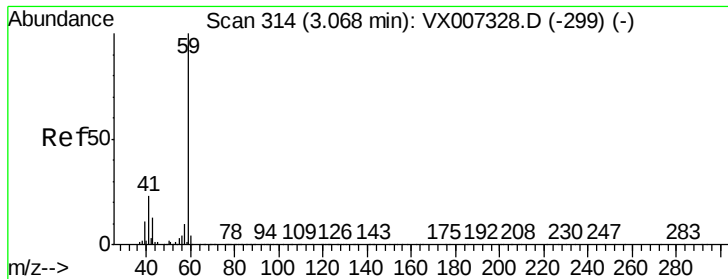
200

100

0

Time--> 1.62 1.64 1.66



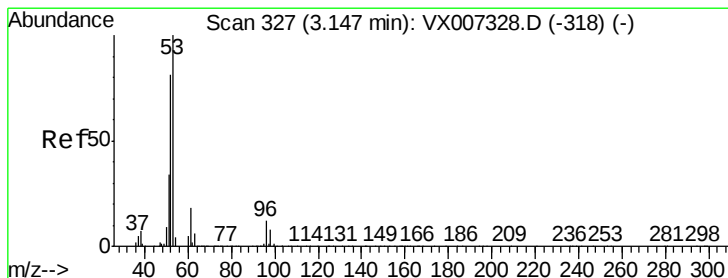
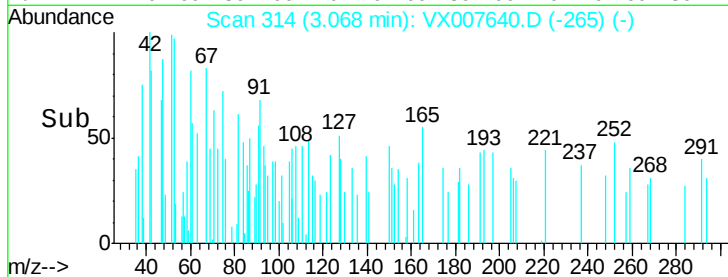
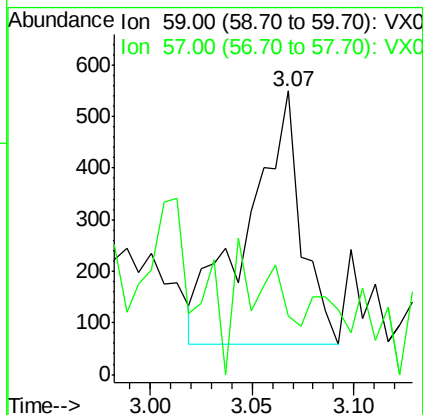
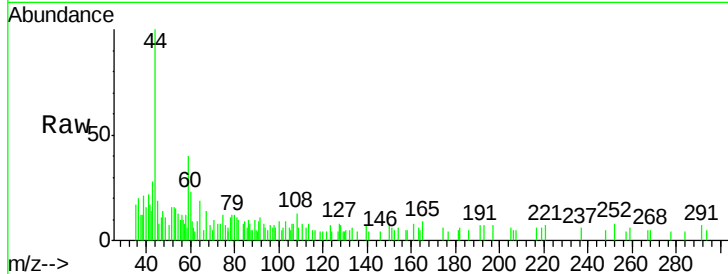


#11

Tert butyl alcohol
 Concen: 0.916 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.00 min
 Lab File: VX007640.D
 Acq: 21 Feb 2019 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 PB117250ZHE#14

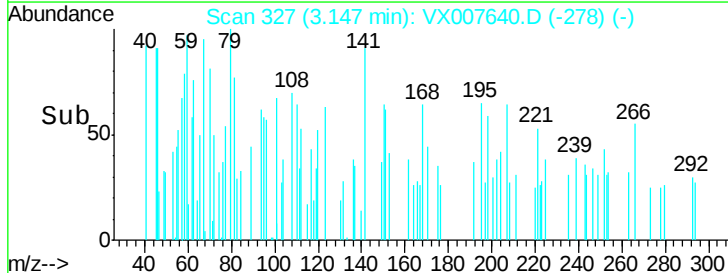
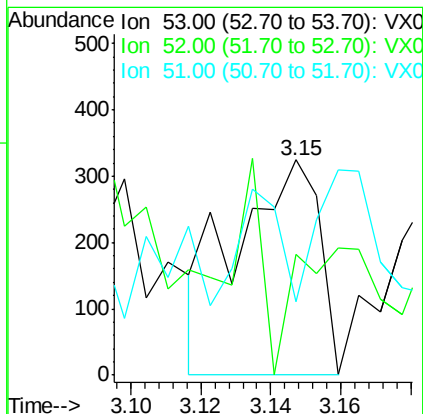
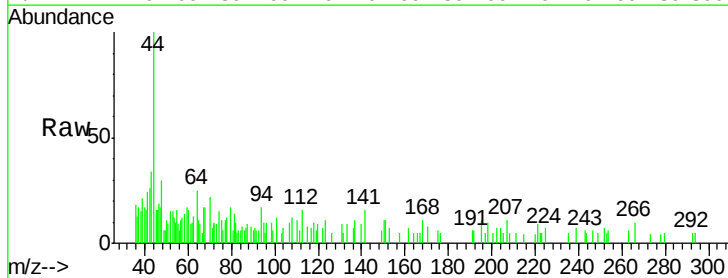
Tot Ion: 59 Resp: 887
 Ion Ratio Lower Upper
 59 100
 57 14.4 8.1 12.1#

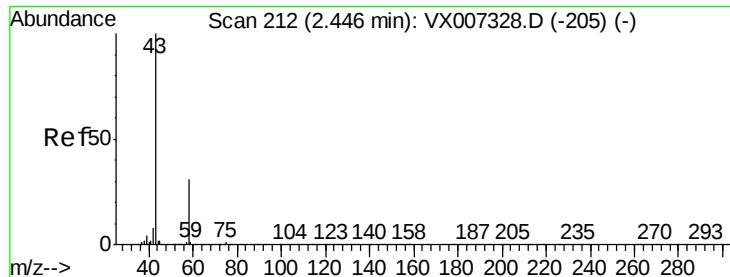


#15

Acrylonitrile
 Concen: 0.226 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX007640.D
 Acq: 21 Feb 2019 19:22

Tgt Ion: 53 Resp: 541
 Ion Ratio Lower Upper
 53 100
 52 31.2 66.4 99.6#
 51 26.2 28.4 42.6#





#16

Acetone

Concen: 12.395 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007640.D

Acq: 21 Feb 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

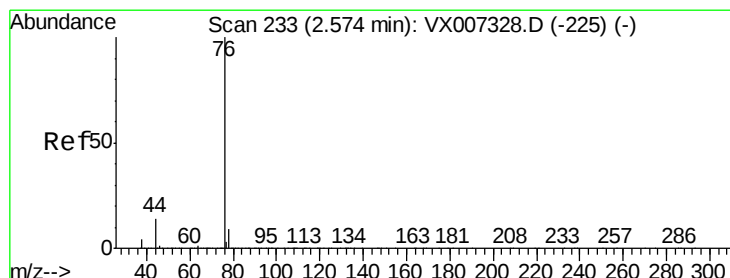
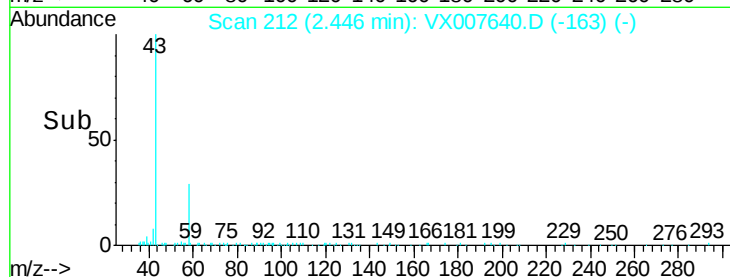
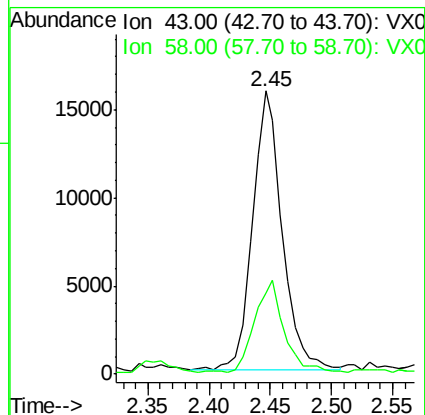
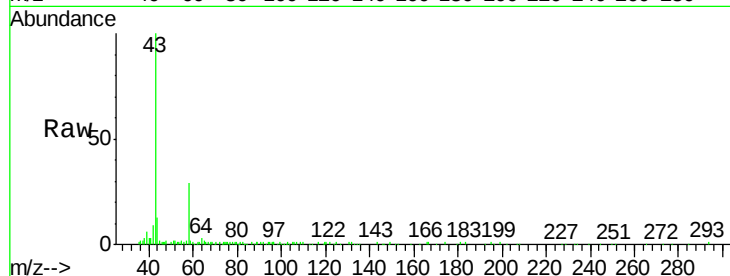
PB117250ZHE#14

Tot Ion: 43 Resp: 26565

Ion Ratio Lower Upper

43 100

58 27.9 24.9 37.3



#17

Carbon Disulfide

Concen: 2.190 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007640.D

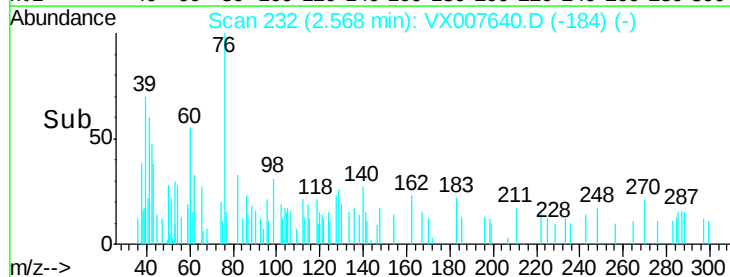
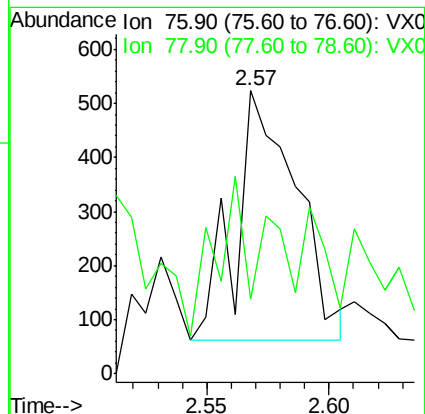
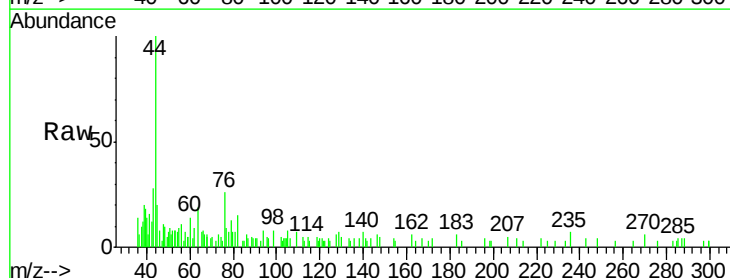
Acq: 21 Feb 2019 19:22

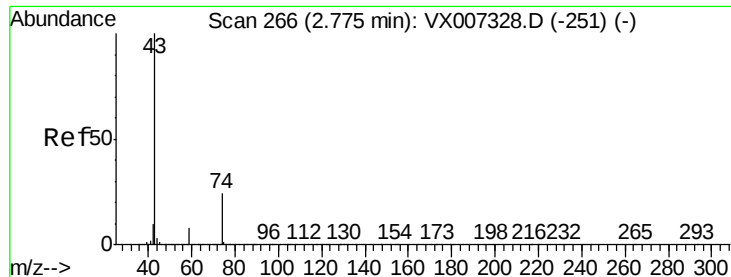
Tgt Ion: 76 Resp: 795

Ion Ratio Lower Upper

76 100

78 14.8 7.1 10.7#

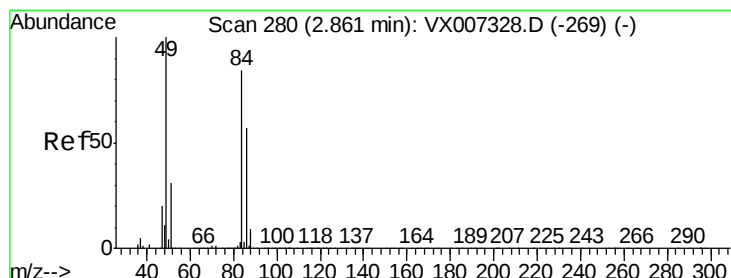
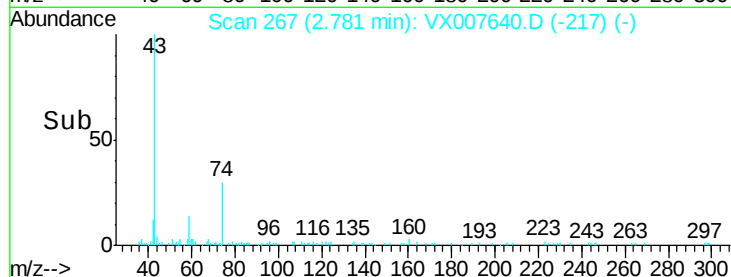
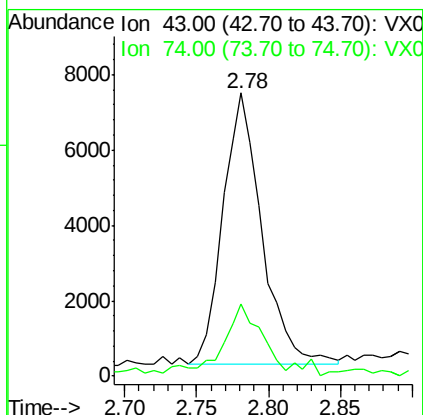
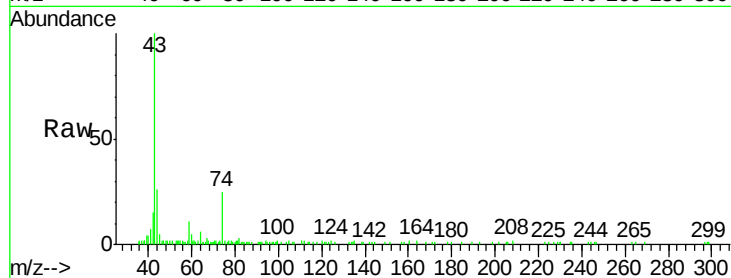




#18
Methyl Acetate
Concen: 2.976 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007640.D
Acq: 21 Feb 2019 19:22

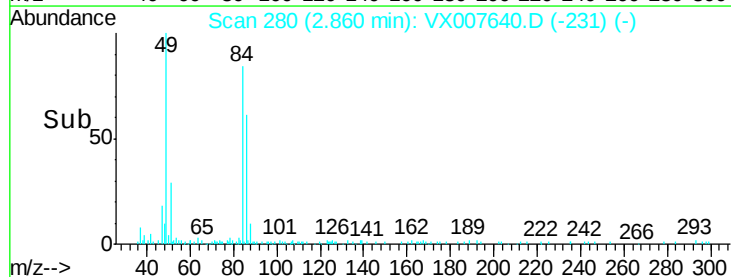
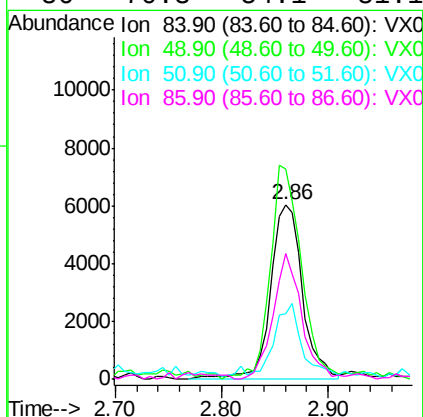
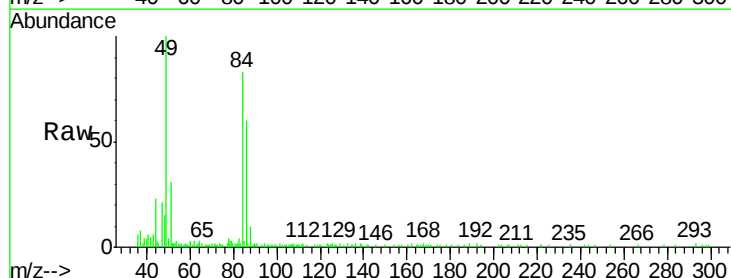
Instrument :
MSVOA_X
ClientSampleId :
PB117250ZHE#14

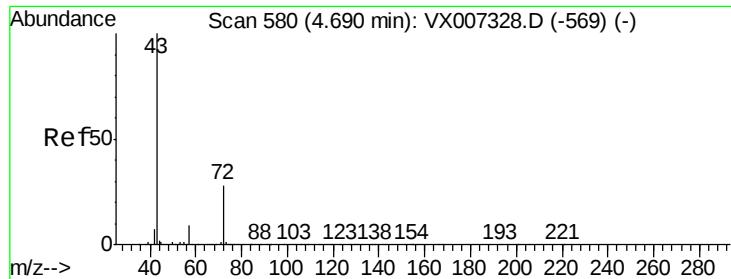
Tot Ion: 43 Resp: 13464
Ion Ratio Lower Upper
43 100
74 21.6 19.4 29.2



#20
Methylene Chloride
Concen: 2.496 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007640.D
Acq: 21 Feb 2019 19:22

Tgt Ion: 84 Resp: 12561
Ion Ratio Lower Upper
84 100
49 116.3 94.8 142.2
51 35.2 29.8 44.8
86 70.3 54.1 81.1

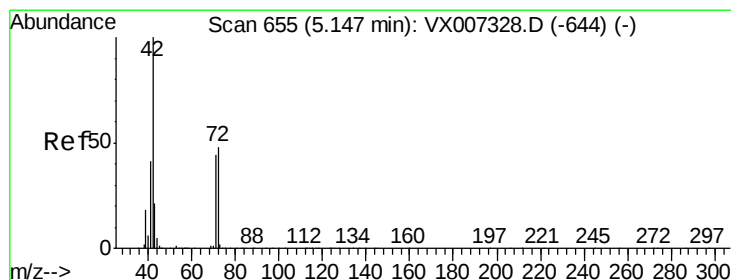
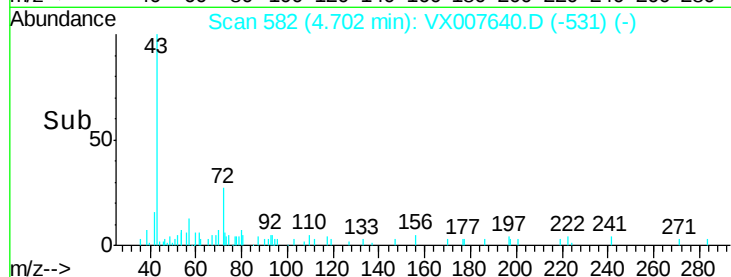
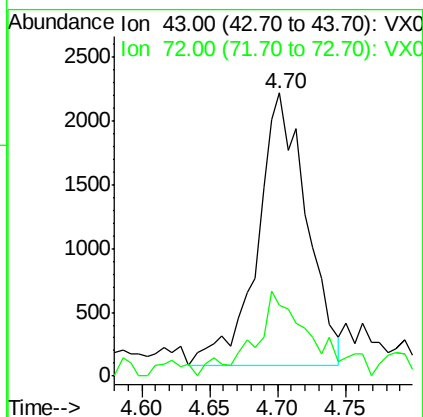
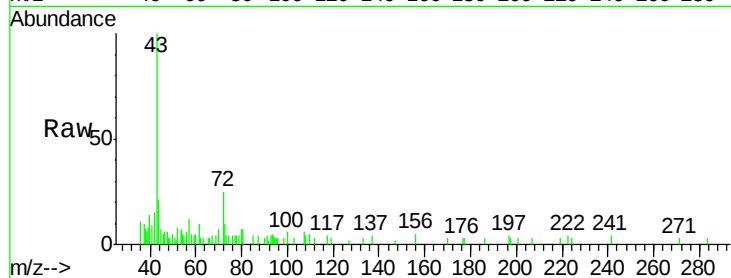




#25
2-Butanone
Concen: 1.756 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX007640.D
Acq: 21 Feb 2019 19:22

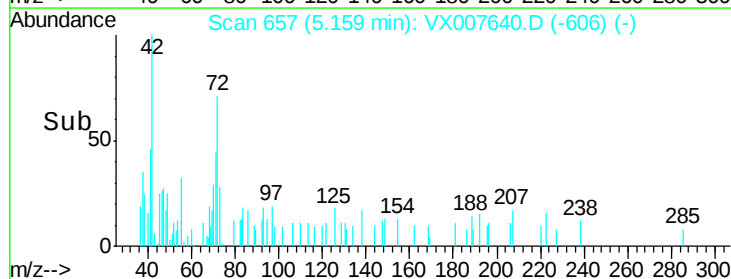
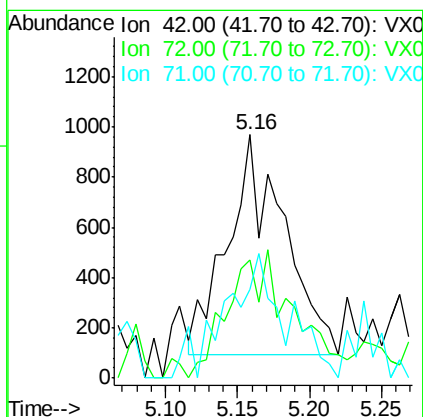
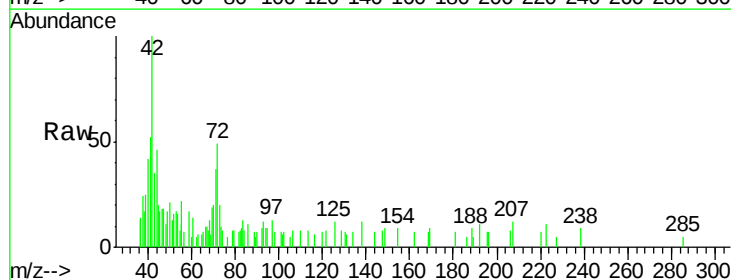
Instrument :
MSVOA_X
ClientSampleId :
PB117250ZHE#14

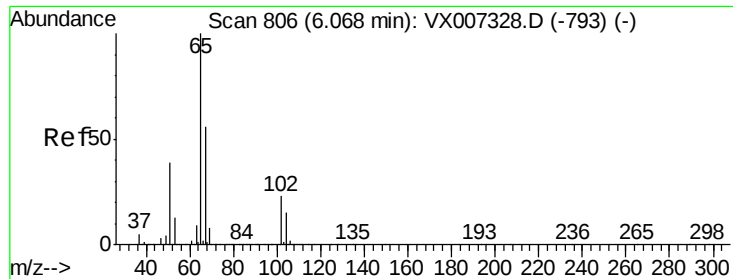
Tot Ion: 43 Resp: 5356
Ion Ratio Lower Upper
43 100
72 21.7 22.2 33.2#



#29
Tetrahydrofuran
Concen: 1.243 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX007640.D
Acq: 21 Feb 2019 19:22

Tgt Ion: 42 Resp: 2385
Ion Ratio Lower Upper
42 100
72 66.5 37.6 56.4#
71 44.4 34.6 51.8





#33

1,2-Dichloroethane-d4

Concen: 54.662 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007640.D

Acq: 21 Feb 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

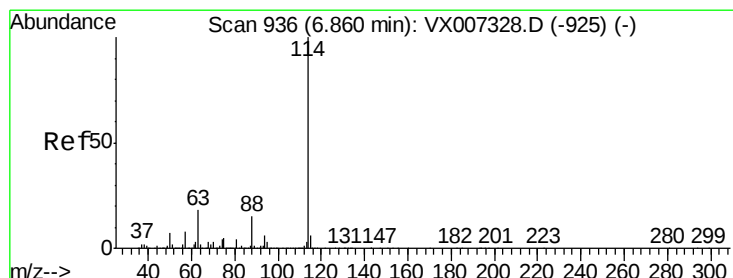
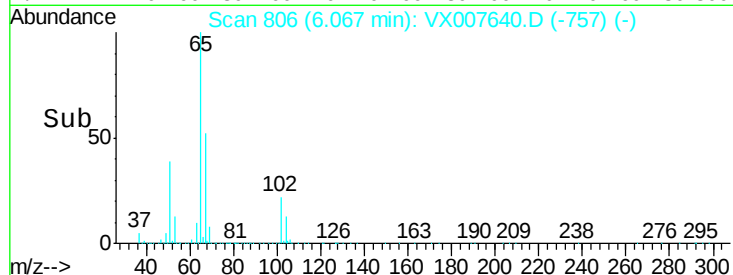
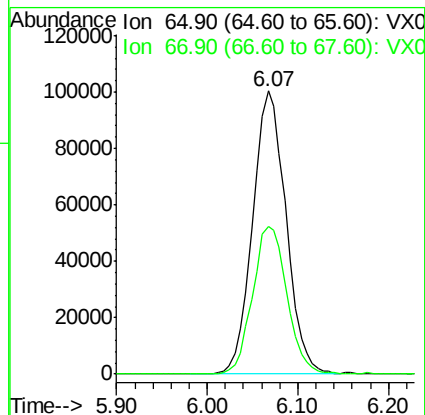
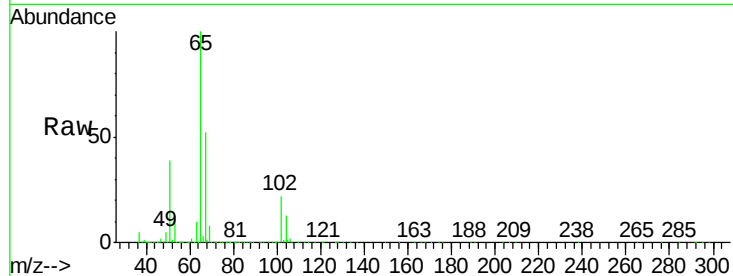
PB117250ZHE#14

Tot Ion: 65 Resp: 255757

Ion Ratio Lower Upper

65 100

67 53.4 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: VX007640.D

Acq: 21 Feb 2019 19:22

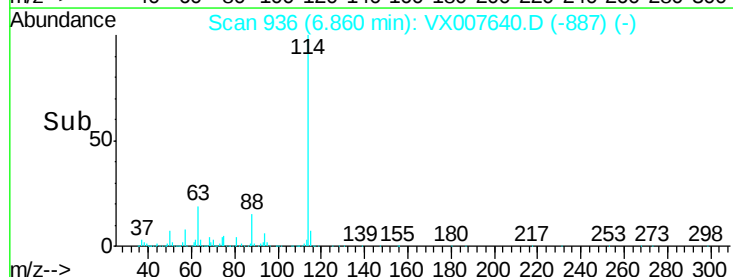
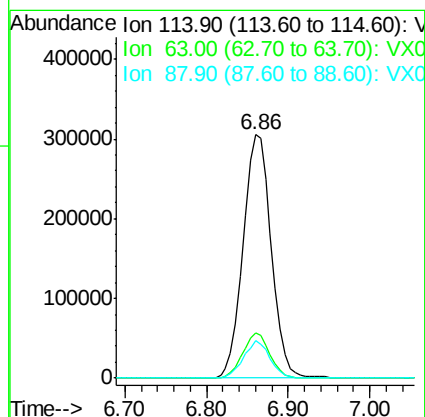
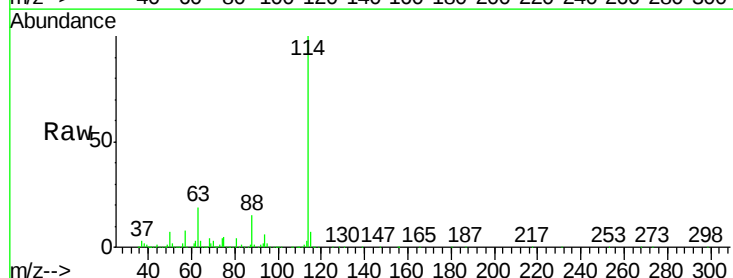
Tgt Ion: 114 Resp: 730281

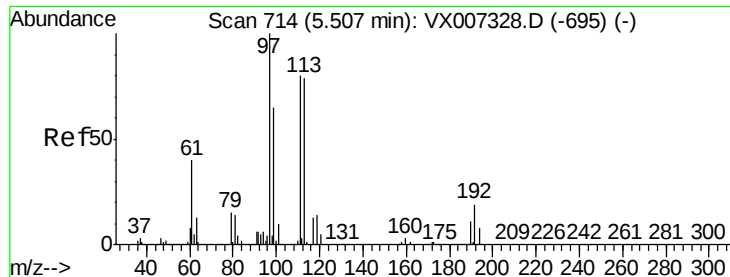
Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.6

88 15.4 0.0 29.6





#35

Dibromofluoromethane

Concen: 50.843 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX007640.D

Acq: 21 Feb 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

PB117250ZHE#14

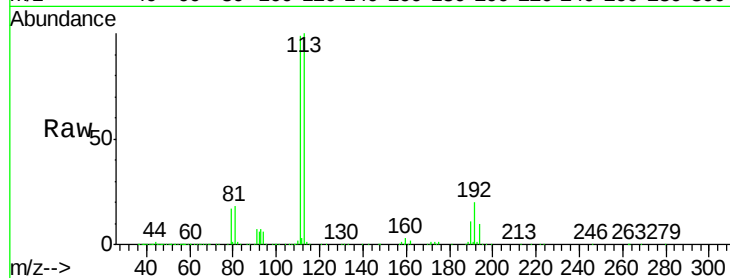
Tot Ion:113 Resp: 241590

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

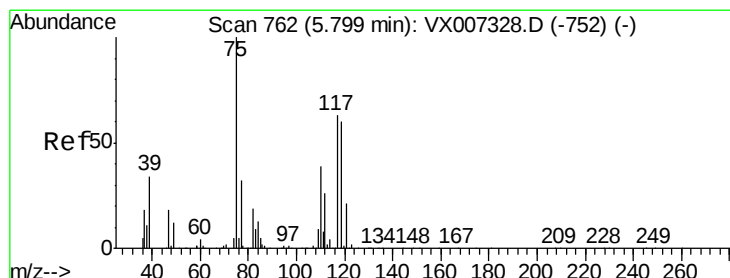
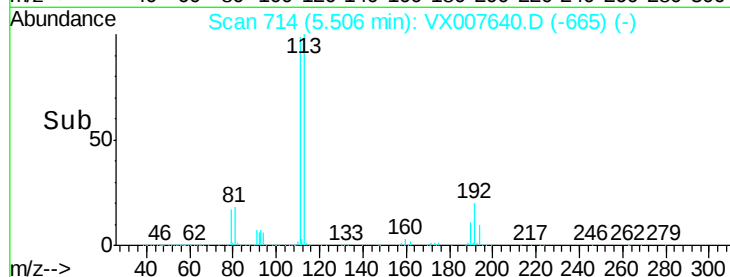
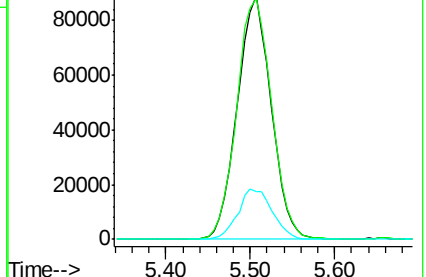
192 21.2 18.5 27.7



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: 4.656 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007640.D

Acq: 21 Feb 2019 19:22

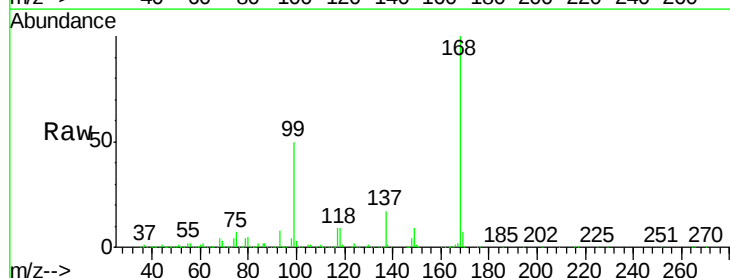
Tgt Ion: 75 Resp: 30509

Ion Ratio Lower Upper

75 100

110 10.1 20.0 59.9#

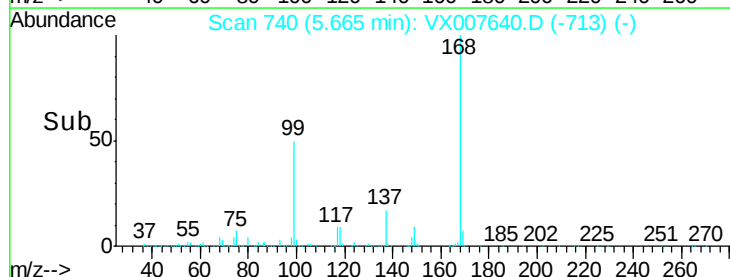
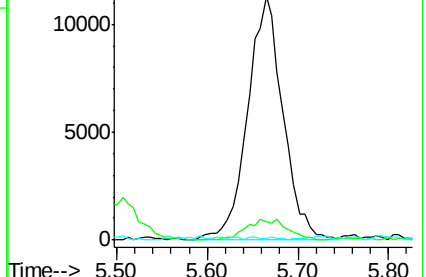
77 0.5 24.7 37.1#

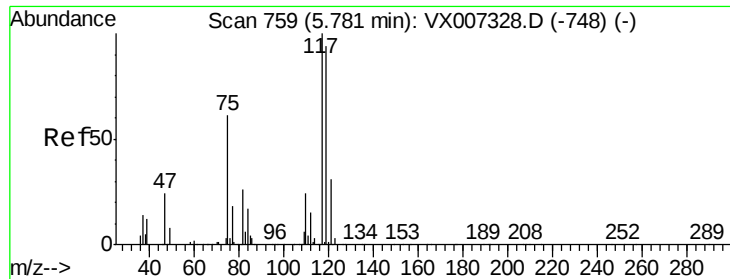


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.466 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007640.D

Acq: 21 Feb 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

PB117250ZHE#14

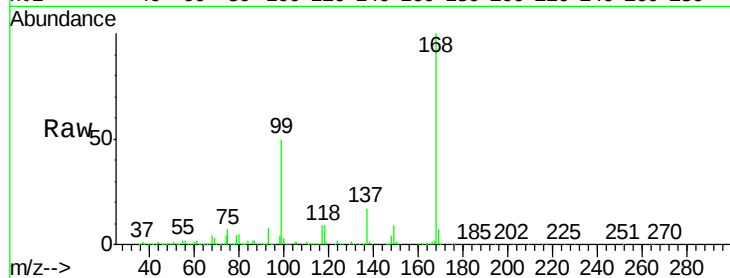
Tot Ion:117 Resp: 41103

Ion Ratio Lower Upper

117 100

119 7.6 75.3 112.9#

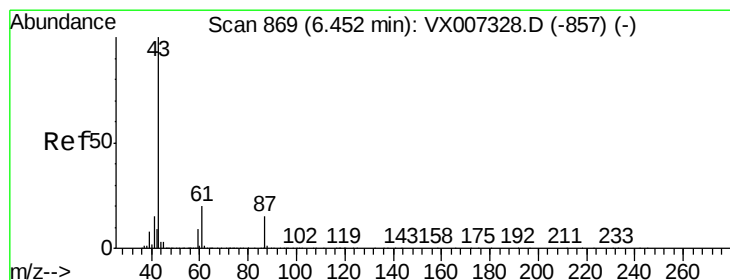
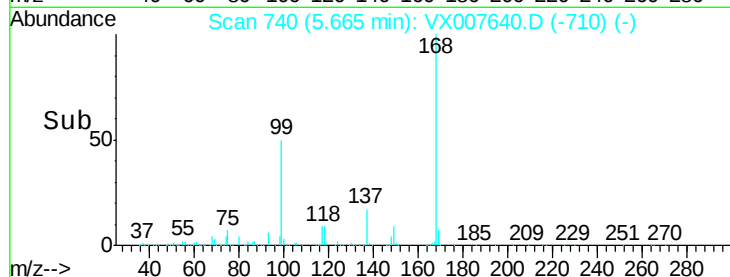
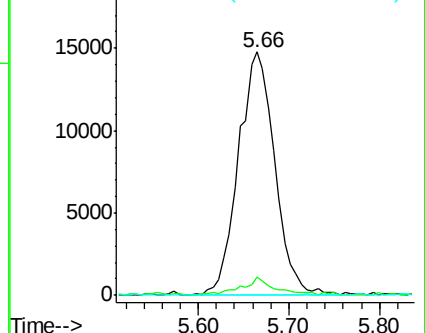
121 0.0 25.0 37.4#



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: 2.365 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX007640.D

Acq: 21 Feb 2019 19:22

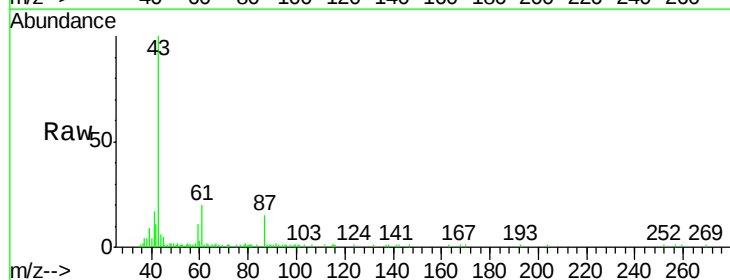
Tgt Ion: 43 Resp: 24176

Ion Ratio Lower Upper

43 100

61 22.8 16.1 24.1

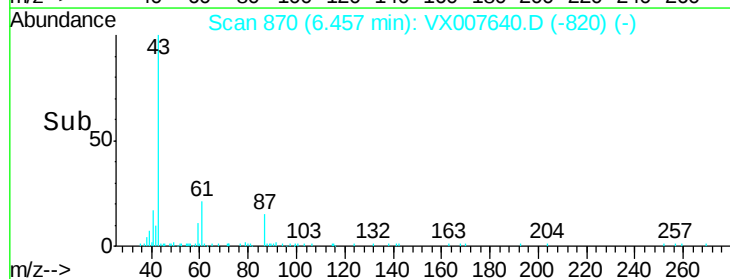
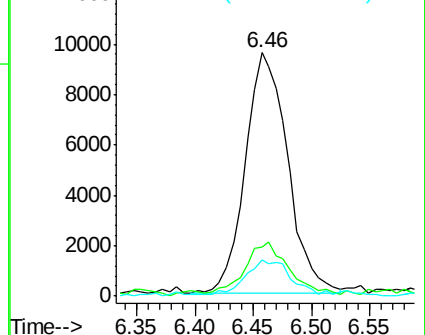
87 16.6 11.5 17.3

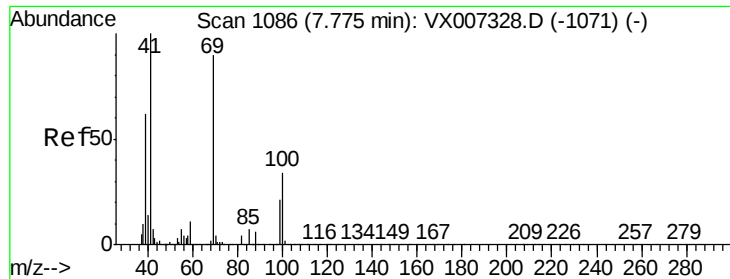


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

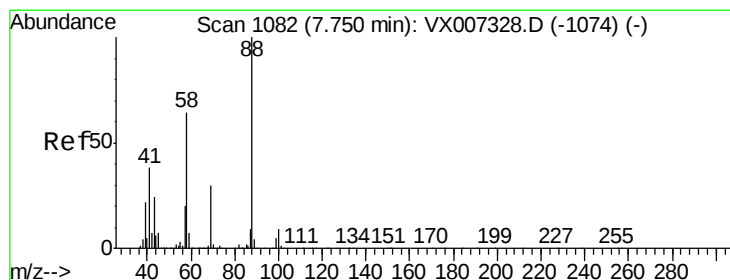
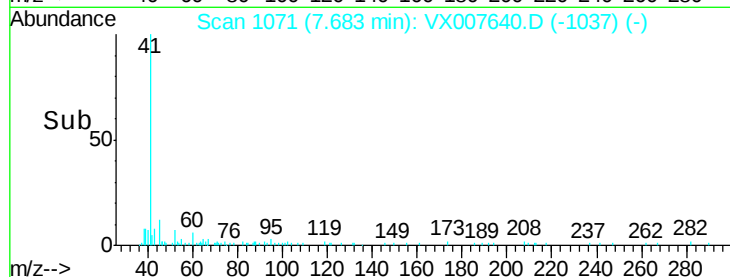
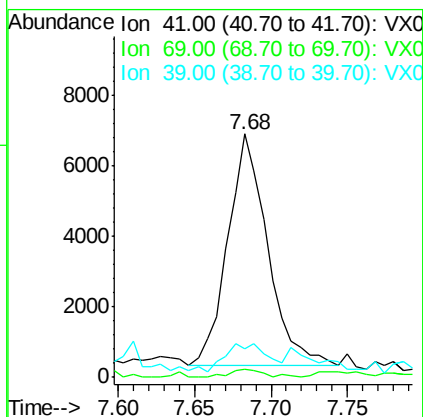
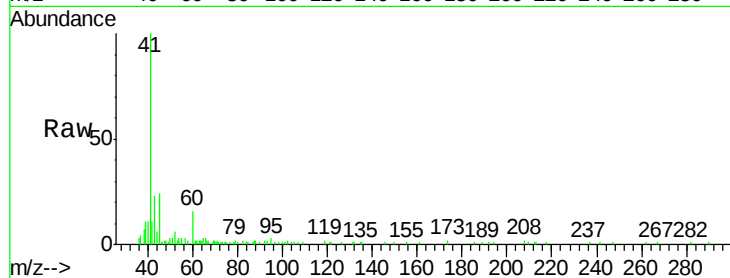




#48
Methvl methacrylate
Concen: 2.332 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.09 min
Lab File: VX007640.D
Acq: 21 Feb 2019 19:22

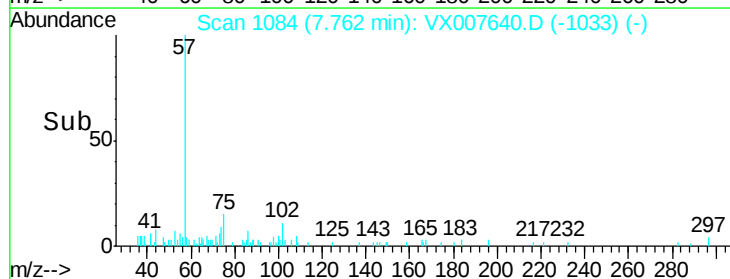
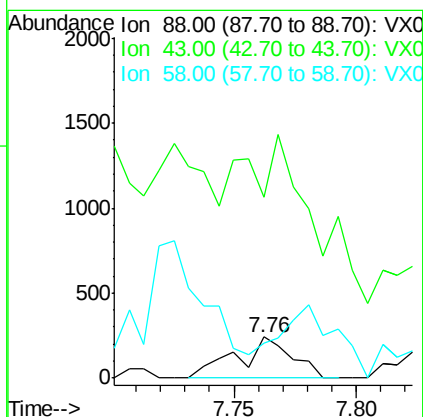
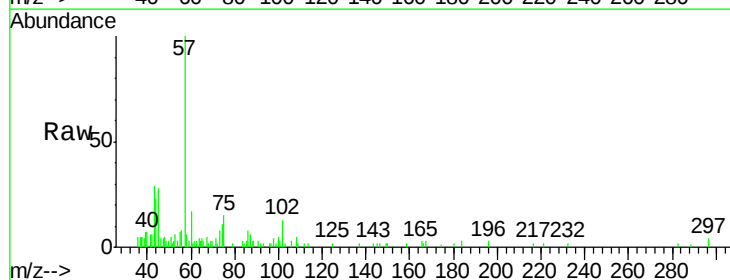
Instrument :
MSVOA_X
ClientSampleId :
PB117250ZHE#14

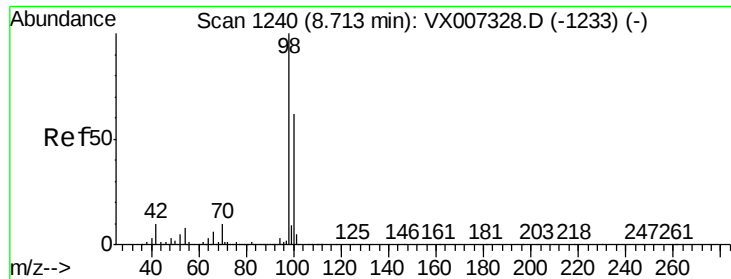
Tot Ion: 41 Resp: 11927
Ion Ratio Lower Upper
41 100
69 2.6 70.2 105.4#
39 0.0 47.4 71.0#



#49
1,4-Dioxane
Concen: 10.107 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VX007640.D
Acq: 21 Feb 2019 19:22

Tgt Ion: 88 Resp: 378
Ion Ratio Lower Upper
88 100
43 0.0 24.2 36.4#
58 188.4 53.0 79.4#





#50

Toluene-d8

Concen: 50.704 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007640.D

Acq: 21 Feb 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

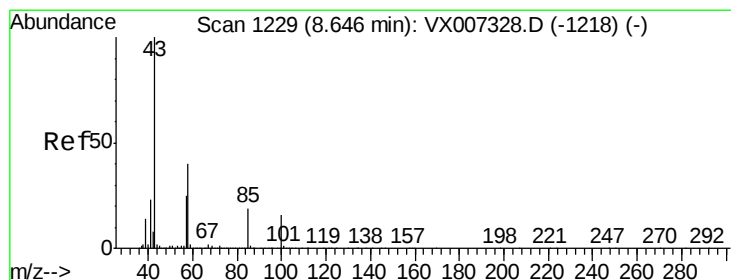
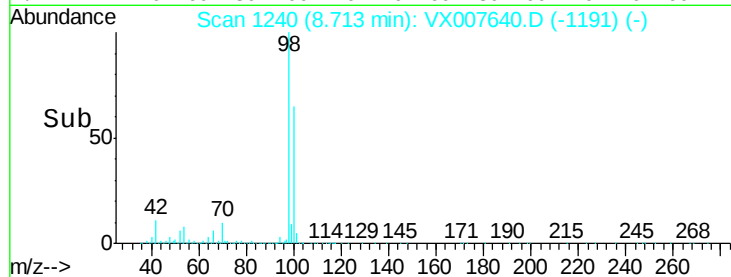
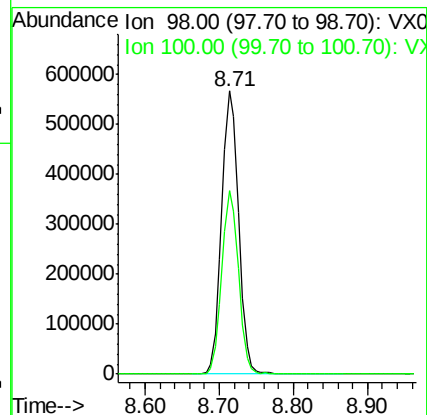
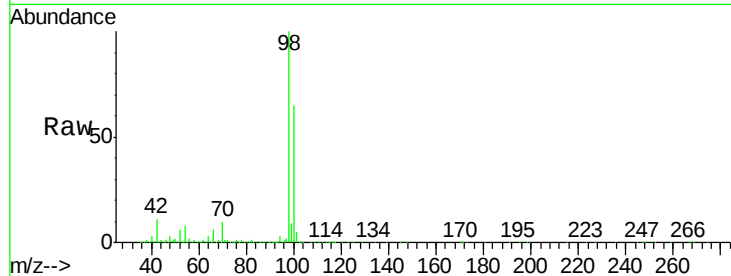
PB117250ZHE#14

Tot Ion: 98 Resp: 893885

Ion Ratio Lower Upper

98 100

100 63.6 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 18.827 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX007640.D

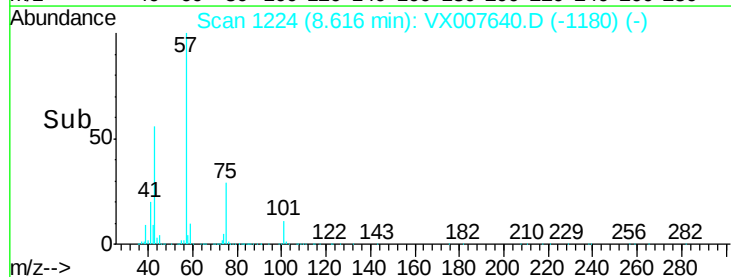
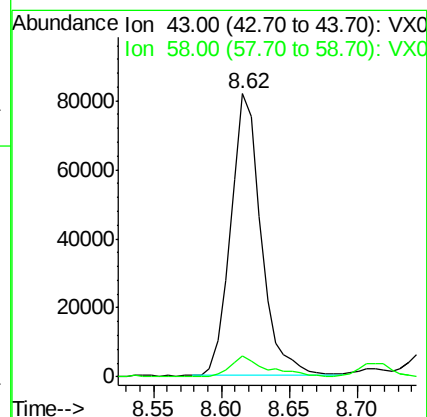
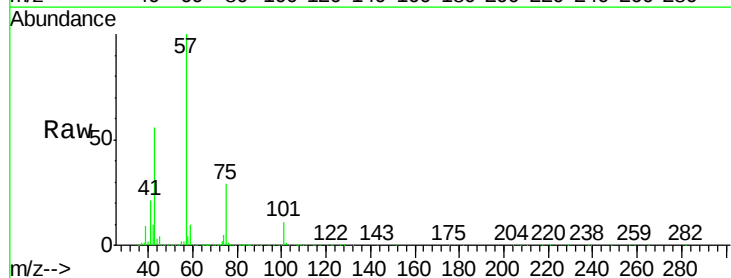
Acq: 21 Feb 2019 19:22

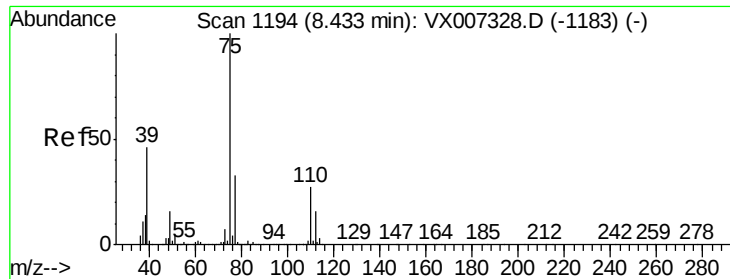
Tgt Ion: 43 Resp: 126714

Ion Ratio Lower Upper

43 100

58 8.9 31.2 46.8#





#54

cis-1,3-Dichloropropene

Concen: 9.246 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX007640.D

Acq: 21 Feb 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

PB117250ZHE#14

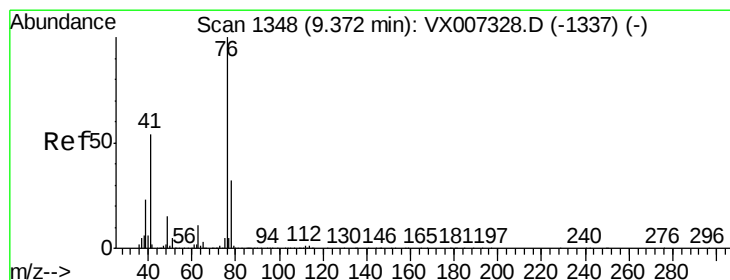
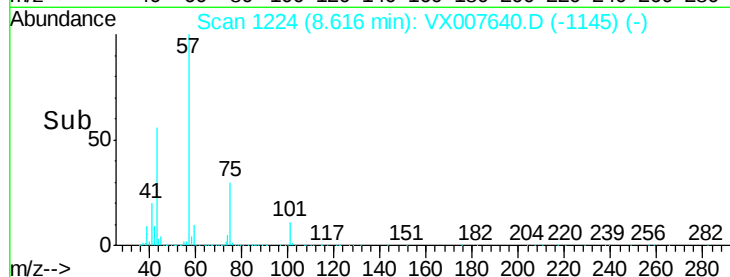
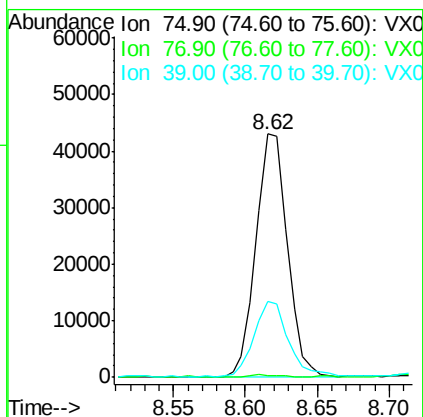
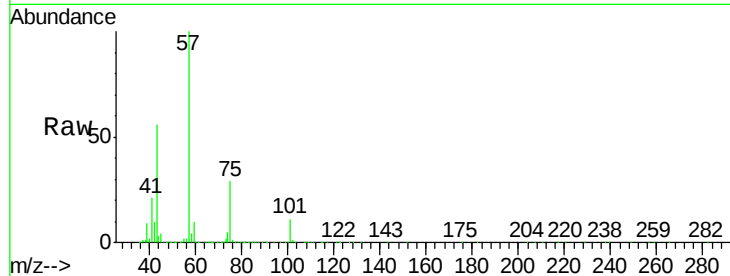
Tot Ion: 75 Resp: 65060

Ion Ratio Lower Upper

75 100

77 0.3 26.2 39.4#

39 30.6 37.1 55.7#



#57

1,3-Dichloropropane

Concen: 1.908 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX007640.D

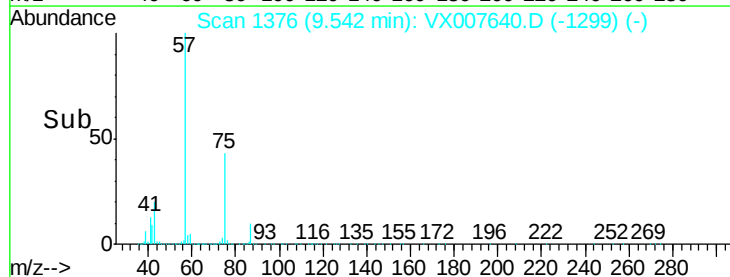
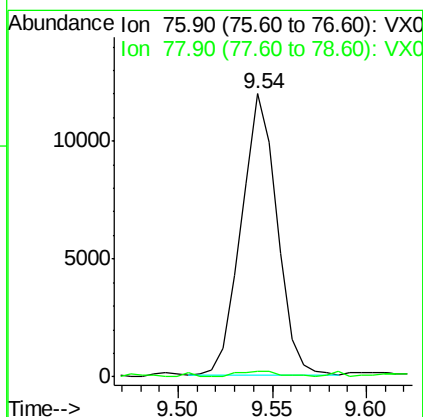
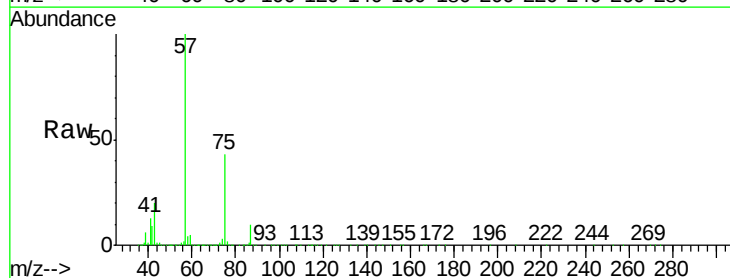
Acq: 21 Feb 2019 19:22

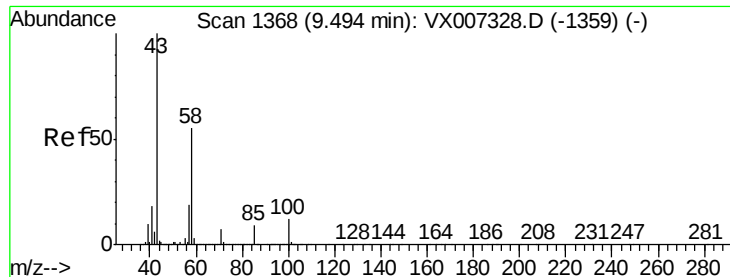
Tgt Ion: 76 Resp: 15753

Ion Ratio Lower Upper

76 100

78 2.4 25.8 38.8#

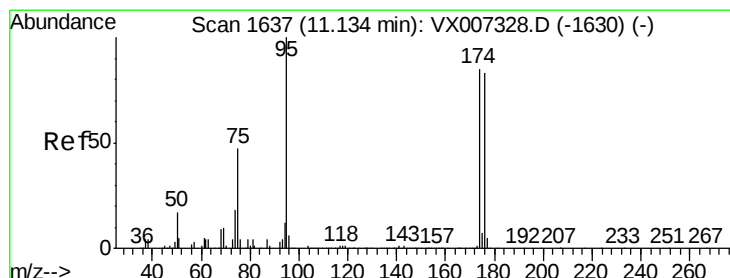
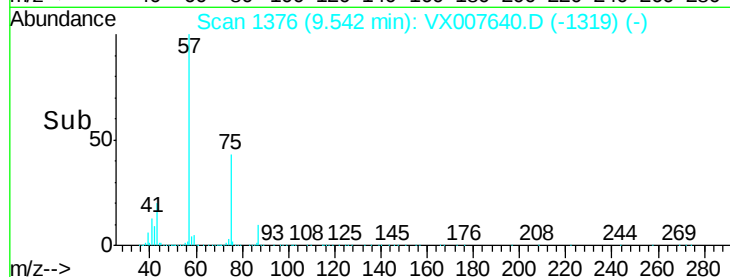
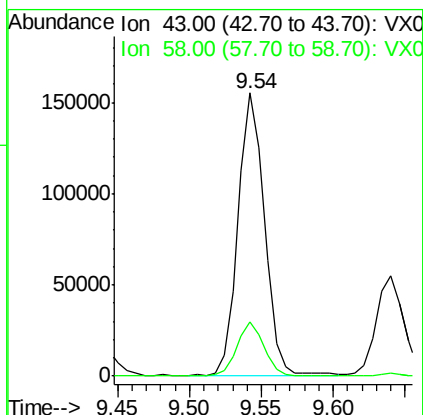
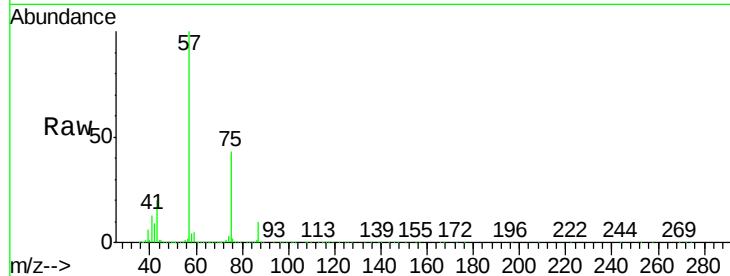




#59
2-Hexanone
Concen: 37.932 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.05 min
Lab File: VX007640.D
Acq: 21 Feb 2019 19:22

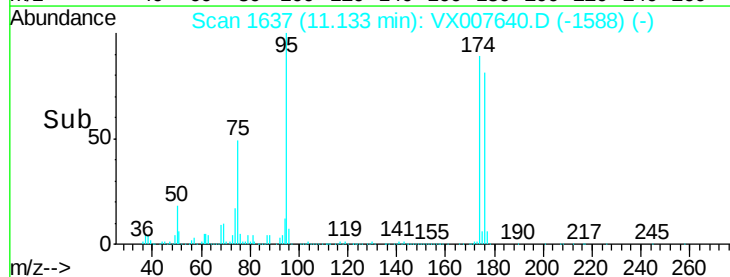
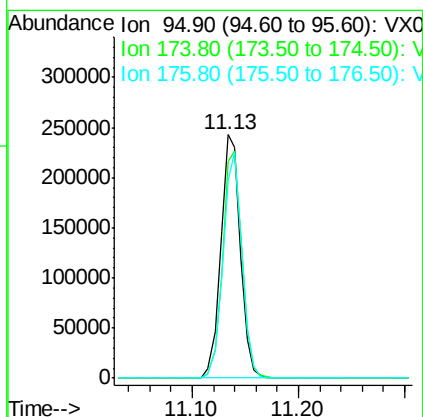
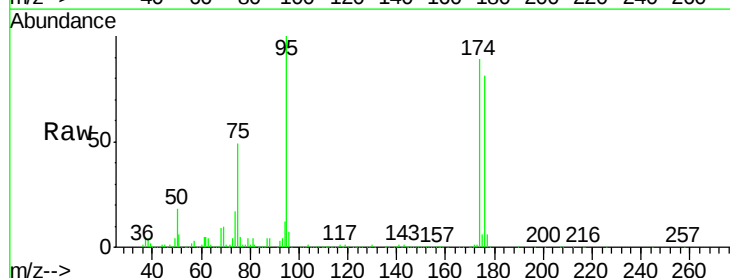
Instrument :
MSVOA_X
ClientSampleId :
PB117250ZHE#14

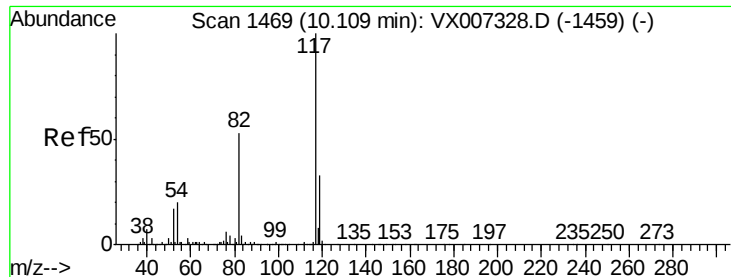
Tot Ion: 43 Resp: 198659
Ion Ratio Lower Upper
43 100
58 19.6 27.1 81.3#



#62
4-Bromofluorobenzene
Concen: 48.150 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007640.D
Acq: 21 Feb 2019 19:22

Tgt Ion: 95 Resp: 309921
Ion Ratio Lower Upper
95 100
174 92.5 0.0 189.2
176 89.7 0.0 186.2

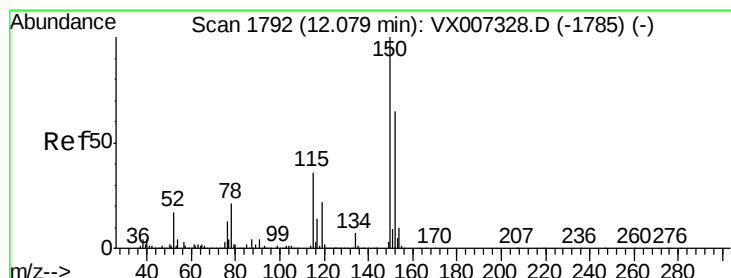
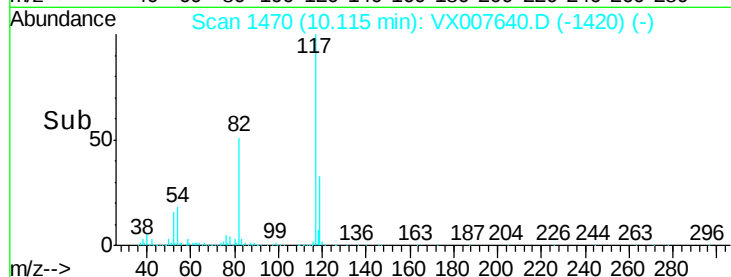
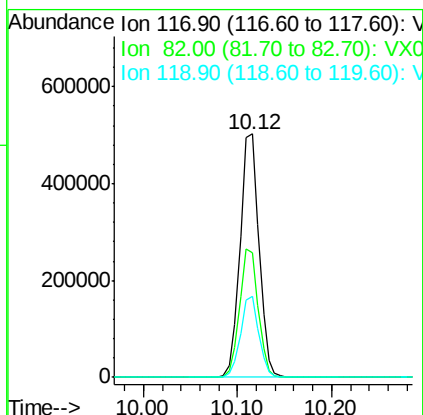
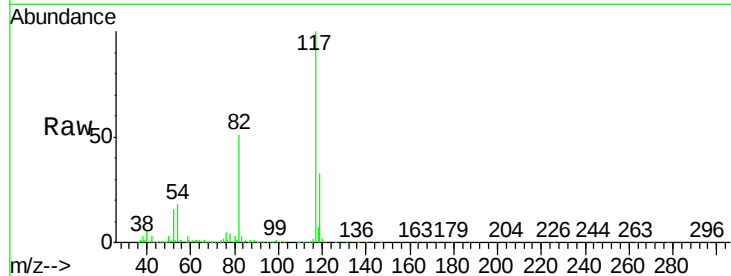




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007640.D
Acq: 21 Feb 2019 19:22

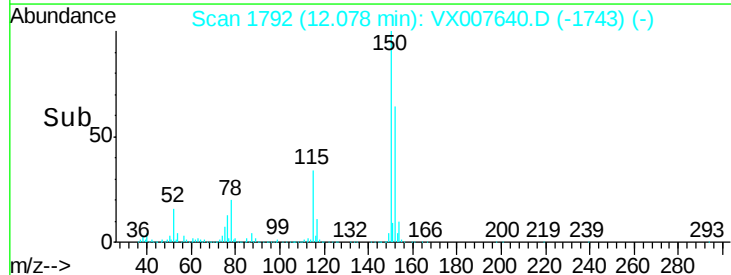
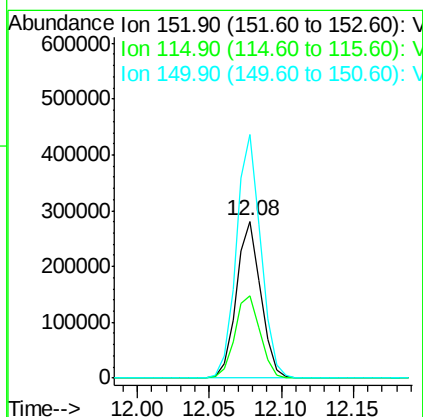
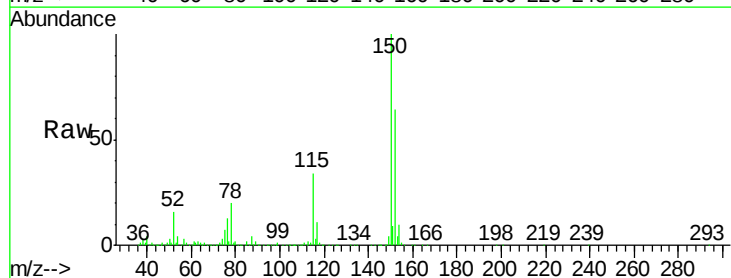
Instrument :
MSVOA_X
ClientSampleId :
PB117250ZHE#14

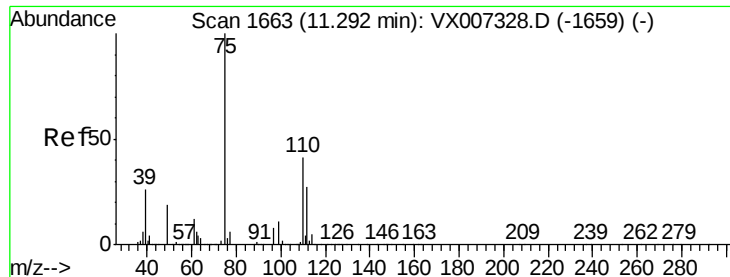
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	42.1	63.1
119	33.5	26.5	39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007640.D
Acq: 21 Feb 2019 19:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	38.0	114.0
150	156.7	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 23.290 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007640.D

Acq: 21 Feb 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

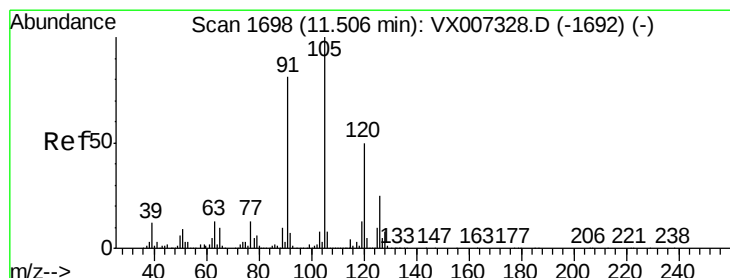
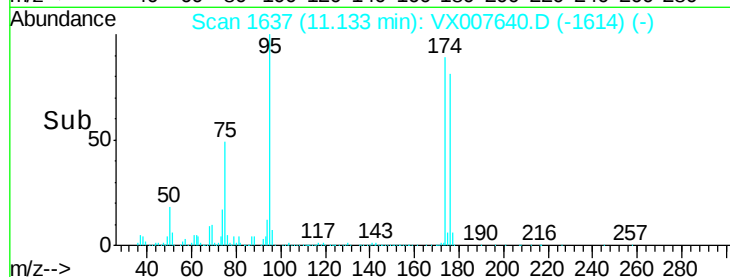
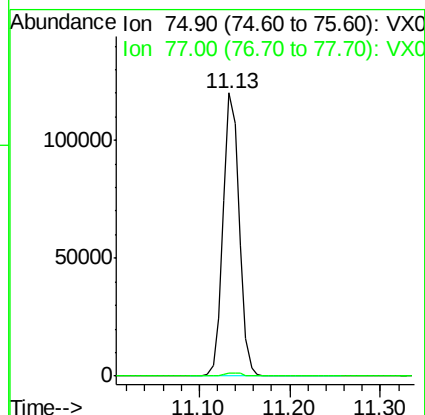
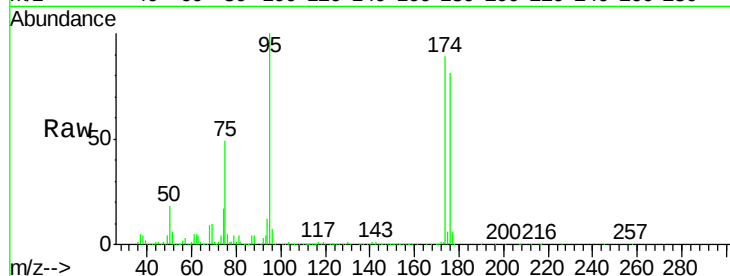
PB117250ZHE#14

Tot Ion: 75 Resp: 150009

Ion Ratio Lower Upper

75 100

77 1.6 23.0 69.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.657 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007640.D

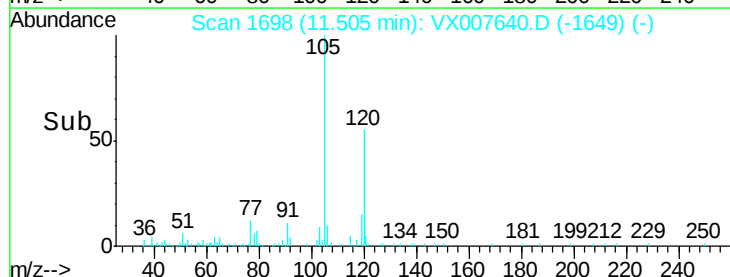
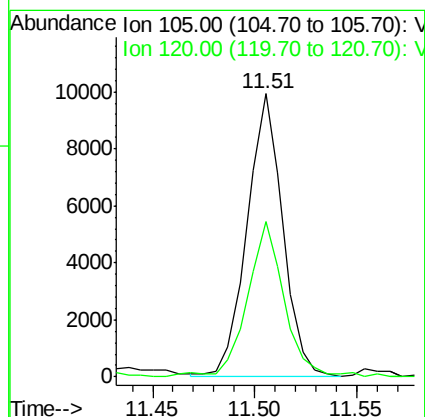
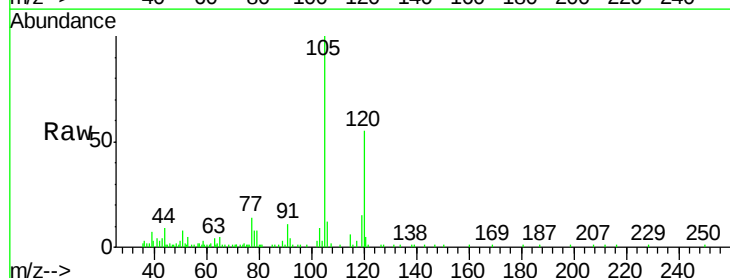
Acq: 21 Feb 2019 19:22

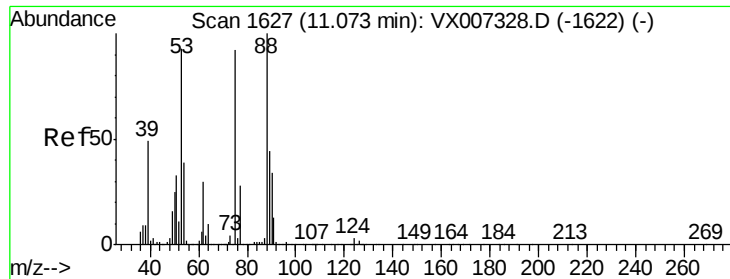
Tgt Ion: 105 Resp: 12101

Ion Ratio Lower Upper

105 100

120 56.9 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 70.128 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007640.D

Acq: 21 Feb 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

PB117250ZHE#14

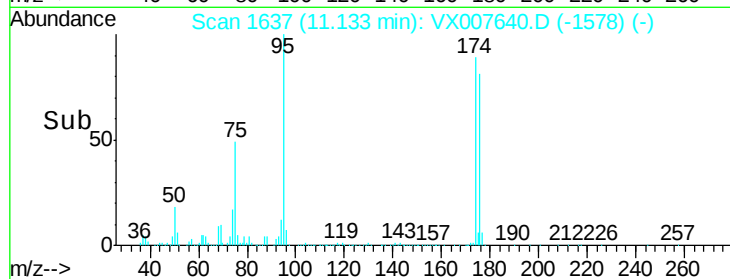
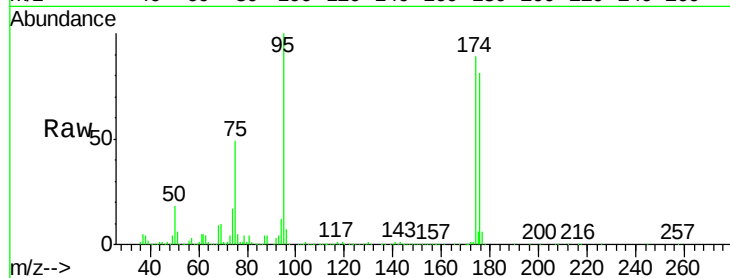
Tot Ion: 75 Resp: 150009

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 41.4 62.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

