

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070319\
 Data File : VX010658.D
 Acq On : 03 Jul 2019 22:15
 Operator : JC/SP
 Sample : PB121127TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB121127TB

Quant Time: Jul 04 03:40:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	241843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	371162	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	349384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160866	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	120759	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
35) Dibromofluoromethane	5.50	113	115228	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	8.71	98	451658	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	11.13	95	154368	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	

Target Compounds

					Qvalue	
3) Chloromethane	1.33	50	462	0.236	ug/l	# 81
4) Vinyl Chloride	1.41	62	500	0.233	ug/l	# 66
5) Bromomethane	1.66	94	1072	1.026	ug/l	84
6) Chloroethane	1.71	64	277	0.219	ug/l	91
8) Diethyl Ether	2.19	74	346	0.284	ug/l	96
10) Methyl Iodide	2.52	142	1540	0.524	ug/l	# 85
11) Tert butyl alcohol	3.04	59	5716	9.634	ug/l	# 88
13) Acrolein	2.29	56	520	1.321	ug/l	# 77
15) Acrylonitrile	3.14	53	641	0.546	ug/l	# 65
16) Acetone	2.44	43	32926	28.974	ug/l	96
17) Carbon Disulfide	2.57	76	2773	0.493	ug/l	# 91
18) Methyl Acetate	2.78	43	1029	0.454	ug/l	# 66
20) Methylene Chloride	2.86	84	6458	2.761	ug/l	# 86
21) trans-1,2-Dichloroethene	3.17	96	610	0.271	ug/l	# 78
25) 2-Butanone	4.68	43	9064	5.437	ug/l	96
28) Bromochloromethane	5.01	49	387	0.225	ug/l	# 2
29) Tetrahydrofuran	5.13	42	39458	38.215	ug/l	97
36) 1,1-Dichloropropene	5.81	75	641	0.217	ug/l	# 86
37) Ethyl Acetate	4.68	43	9064	2.987	ug/l	# 67
38) Carbon Tetrachloride	5.67	117	21764	6.814	ug/l	# 15
41) Methacrylonitrile	5.13	41	22530	13.533	ug/l	# 40
43) Isopropyl Acetate	6.44	43	15381	3.064	ug/l	98
48) Methyl methacrylate	7.68	41	6964	2.984	ug/l	# 10
49) 1,4-Dioxane	7.74	88	228	3.392	ug/l	# 28
51) 4-Methyl-2-Pentanone	8.61	43	76736	23.900	ug/l	# 47
52) Toluene	8.79	92	1216	0.201	ug/l	86
54) cis-1,3-Dichloropropene	8.62	75	40572	10.914	ug/l	# 64
57) 1,3-Dichloropropane	9.54	76	8969	2.315	ug/l	# 44
59) 2-Hexanone	9.44	43	12346	4.886	ug/l	# 22
74) N-amyl acetate	10.69	43	12289	2.982	ug/l	# 52
76) 1,2,3-Trichloropropane	11.13	75	75164	25.641	ug/l	# 33
80) 1,3,5-Trimethylbenzene	11.51	105	9054	1.007	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	75164	59.818	ug/l	# 16
82) 4-Chlorotoluene	11.51	91	2435	0.300	ug/l	83

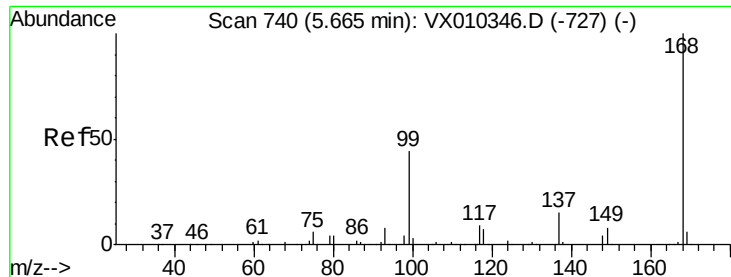
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	12.02	146	1214	0.228	ug/l	96
88) 1,4-Dichlorobenzene	12.02	146	1214	0.224	ug/l	95
89) n-Butylbenzene	12.39	91	1739	0.209	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	553	0.710	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	1457	0.398	ug/l	96
94) Hexachlorobutadiene	13.79	225	417	0.233	ug/l	83
95) Naphthalene	13.83	128	3844	0.341	ug/l	95
96) 1,2,3-Trichlorobenzene	14.02	180	1385	0.380	ug/l	88

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010658.D

Acq: 03 Jul 2019 22:15

Instrument :

MSVOA_X

ClientSampleId :

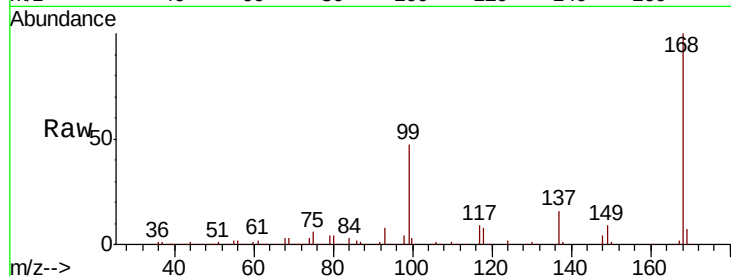
PB121127TB

Tot Ion:168 Resp: 241843

Ion Ratio Lower Upper

168 100

99 47.0 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

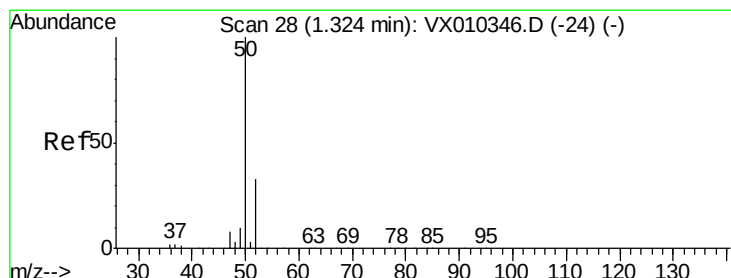
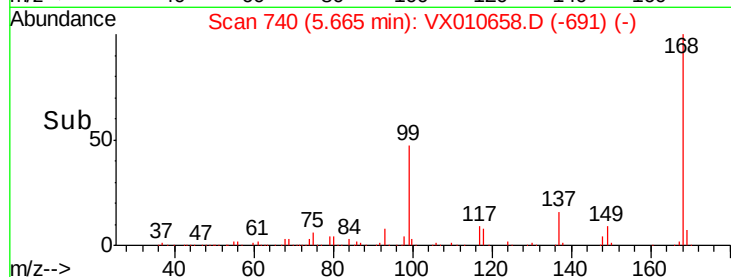
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.236 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010658.D

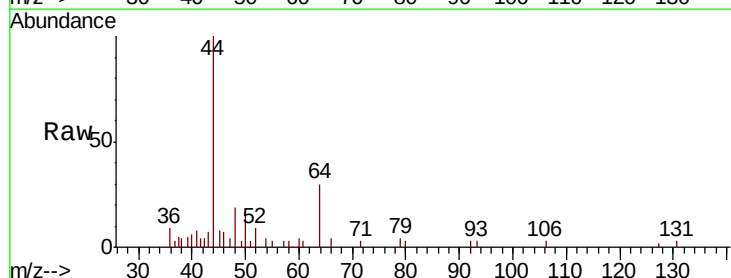
Acq: 03 Jul 2019 22:15

Tgt Ion: 50 Resp: 462

Ion Ratio Lower Upper

50 100

52 44.1 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2000

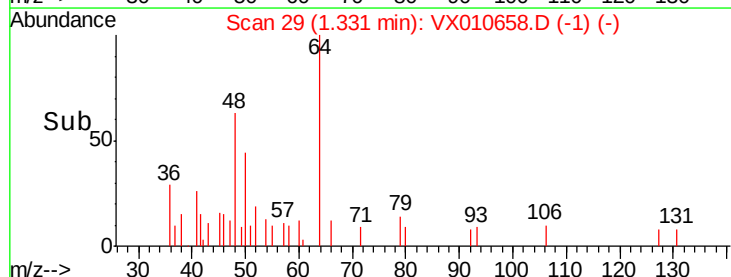
1500

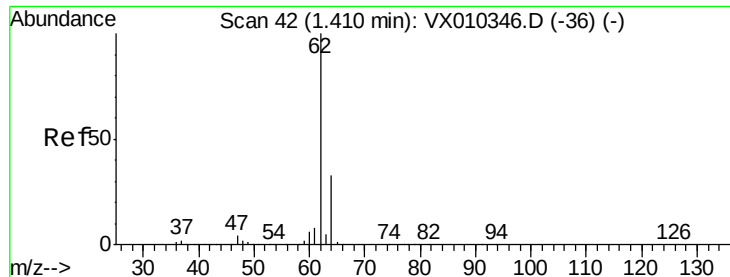
1000

500

0

Time--> 1.30 1.35





#4

Vinyl Chloride

Concen: 0.233 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010658.D

Acq: 03 Jul 2019 22:15

Instrument :

MSVOA_X

ClientSampled :

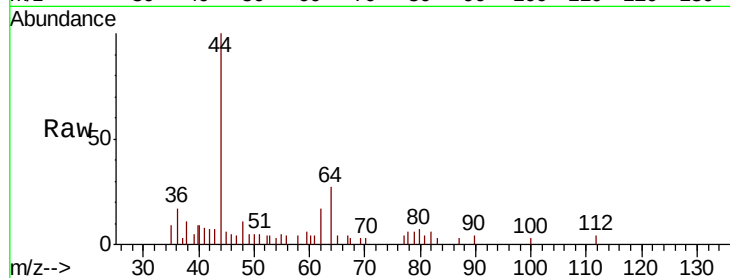
PB121127TB

Tot Ion: 62 Resp: 500

Ion Ratio Lower Upper

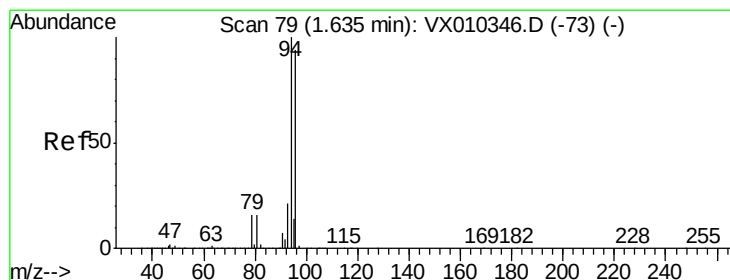
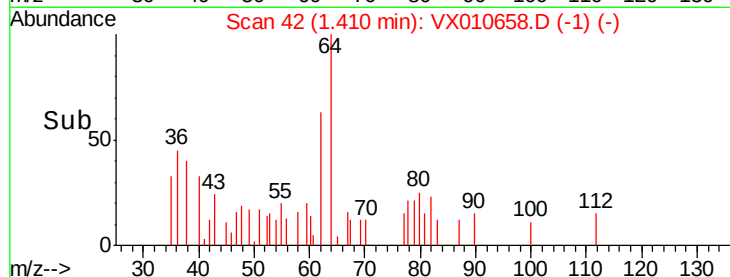
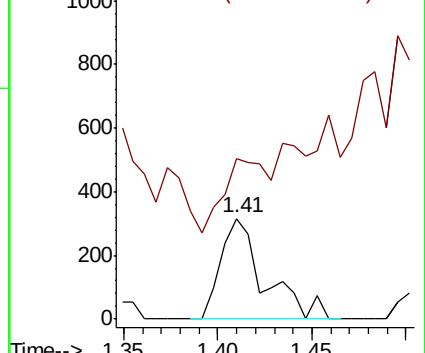
62 100

64 51.7 26.2 39.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 1.026 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010658.D

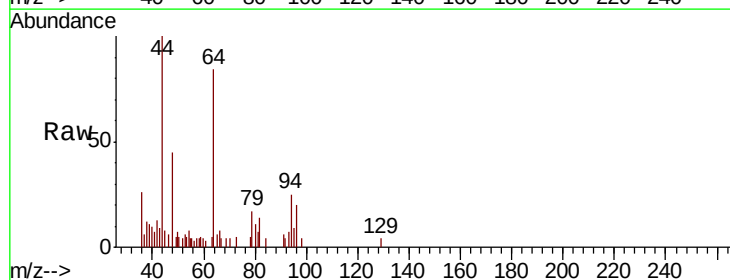
Acq: 03 Jul 2019 22:15

Tgt Ion: 94 Resp: 1072

Ion Ratio Lower Upper

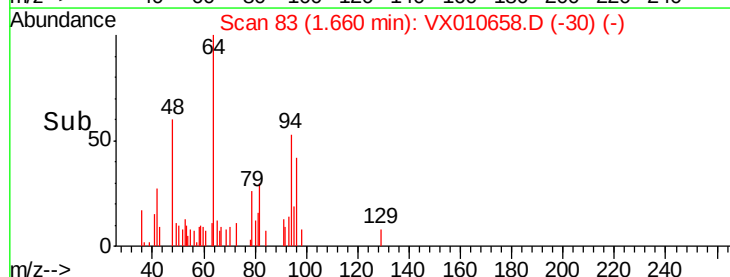
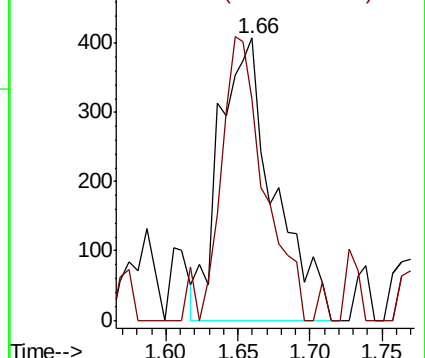
94 100

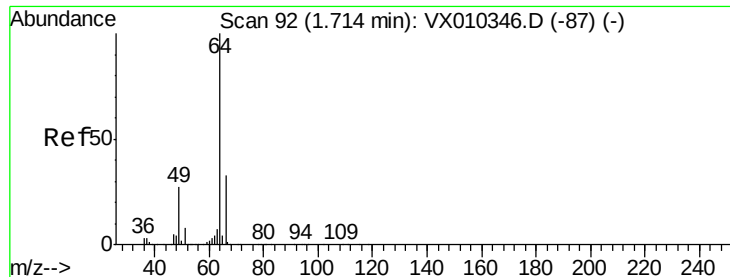
96 78.6 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.219 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX010658.D

Acq: 03 Jul 2019 22:15

Instrument :

MSVOA_X

ClientSampled :

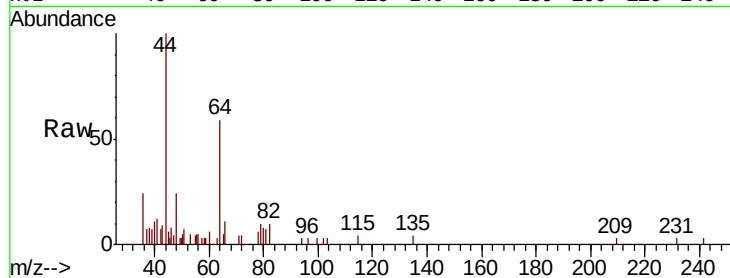
PB121127TB

Tot Ion: 64 Resp: 277

Ion Ratio Lower Upper

64 100

66 38.4 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

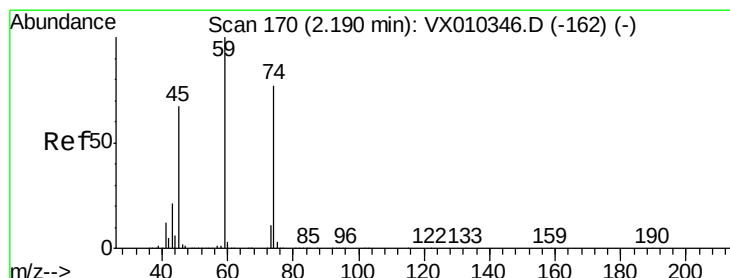
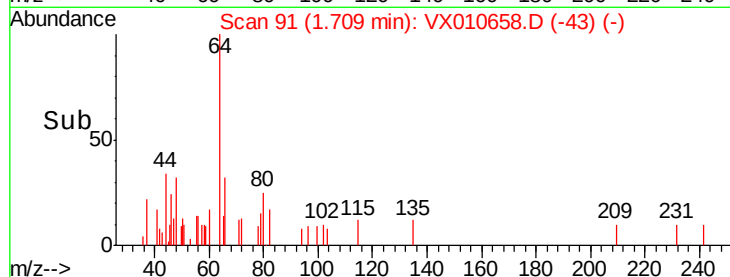
1.71

1000

500

0

Time-->



#8

Diethyl Ether

Concen: 0.284 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX010658.D

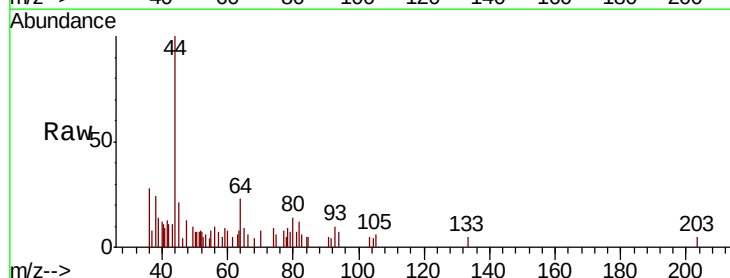
Acq: 03 Jul 2019 22:15

Tgt Ion: 74 Resp: 346

Ion Ratio Lower Upper

74 100

45 93.4 44.8 134.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

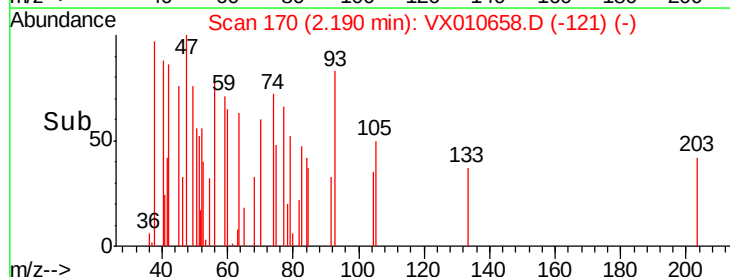
300

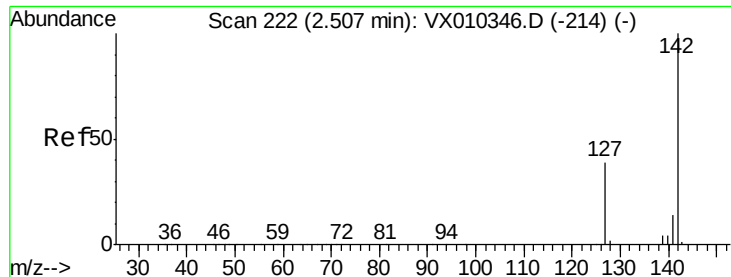
200

100

0

Time-->

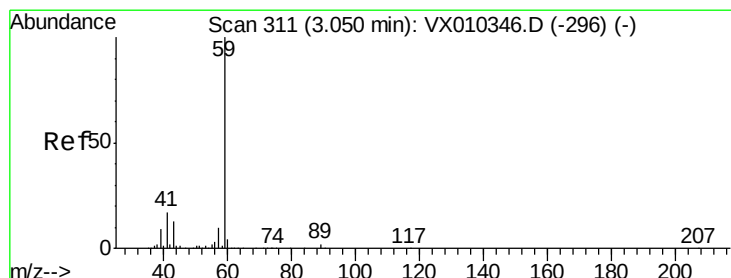
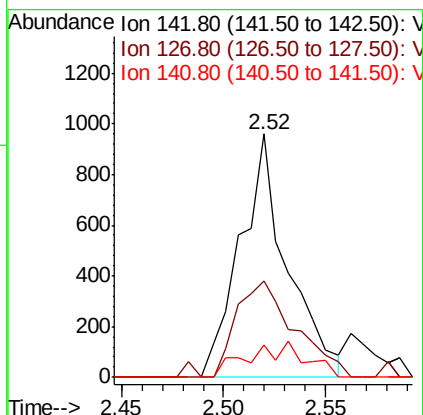
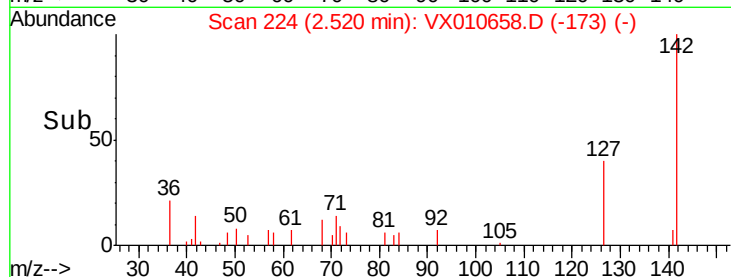
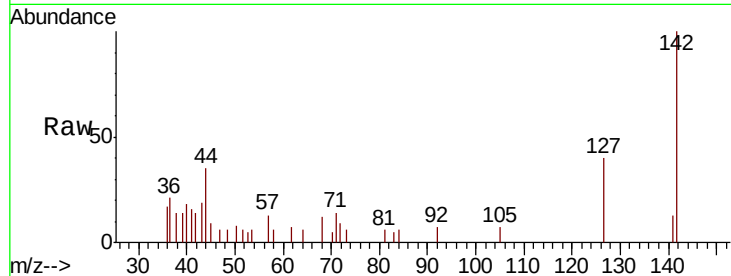




#10
Methvl Iodide
Concen: 0.524 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX010658.D
Acq: 03 Jul 2019 22:15

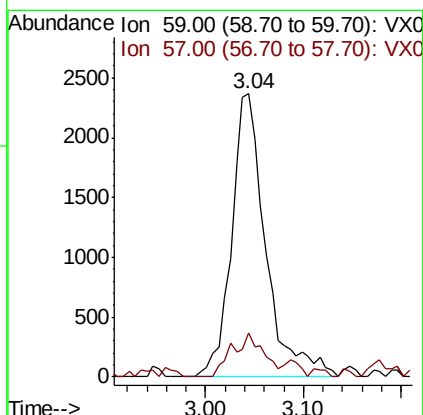
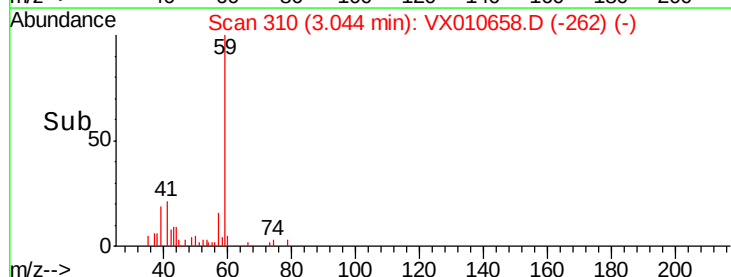
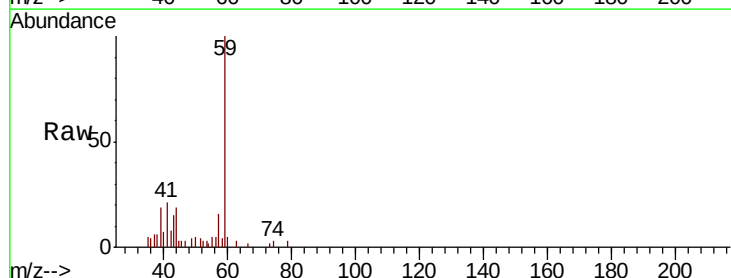
Instrument :
MSVOA_X
ClientSampleId :
PB121127TB

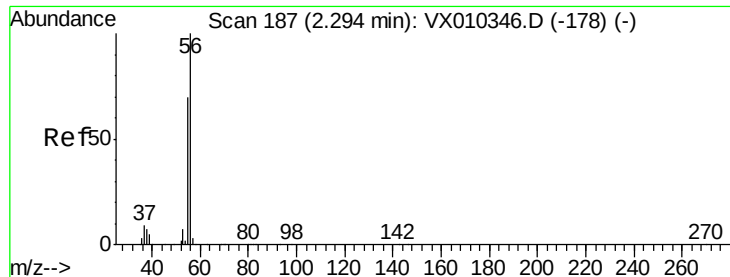
Tot Ion:142 Resp: 1540
Ion Ratio Lower Upper
142 100
127 49.4 31.1 46.7#
141 17.3 11.2 16.8#



#11
Tert butyl alcohol
Concen: 9.634 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010658.D
Acq: 03 Jul 2019 22:15

Tgt Ion: 59 Resp: 5716
Ion Ratio Lower Upper
59 100
57 14.2 7.7 11.5#





#13

Acrolein

Concen: 1.321 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010658.D

Acq: 03 Jul 2019 22:15

Instrument :

MSVOA_X

ClientSampled :

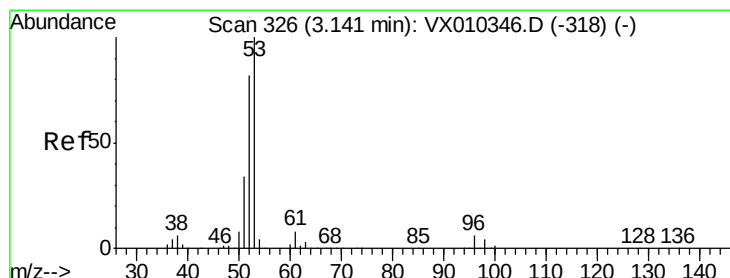
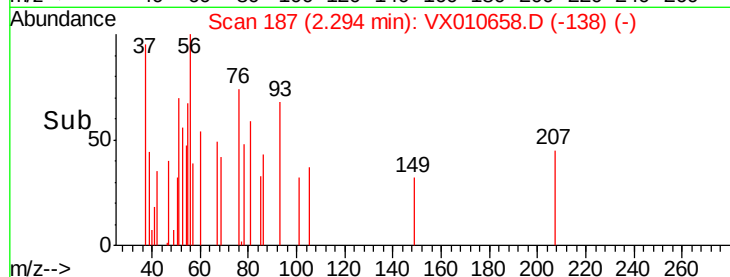
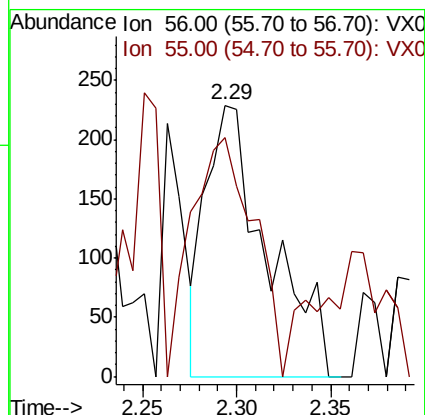
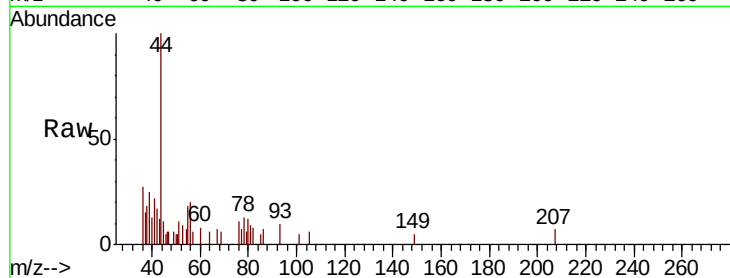
PB121127TB

Tot Ion: 56 Resp: 520

Ion Ratio Lower Upper

56 100

55 89.8 56.9 85.3#



#15

Acrylonitrile

Concen: 0.546 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010658.D

Acq: 03 Jul 2019 22:15

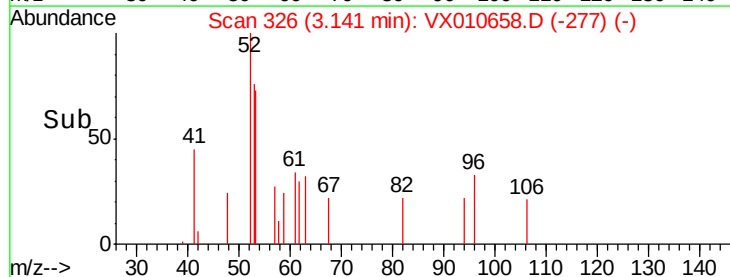
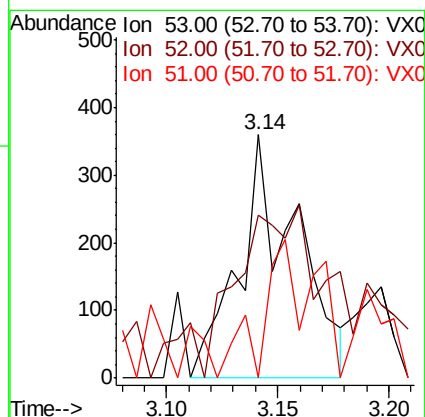
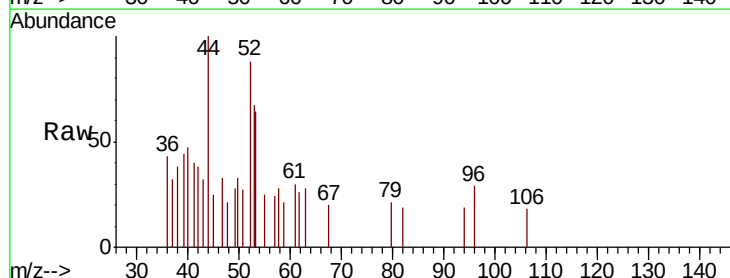
Tgt Ion: 53 Resp: 641

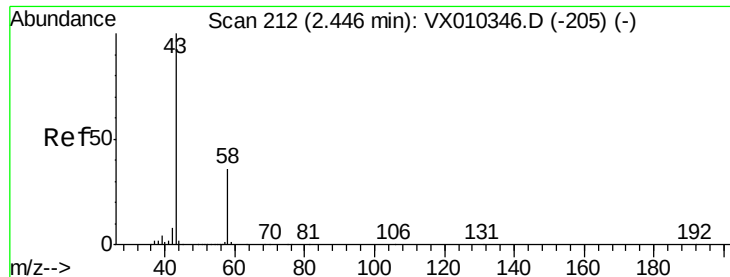
Ion Ratio Lower Upper

53 100

52 115.1 65.5 98.3#

51 52.1 28.2 42.4#





#16

Acetone

Concen: 28.974 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010658.D

Acq: 03 Jul 2019 22:15

Instrument :

MSVOA_X

ClientSampleId :

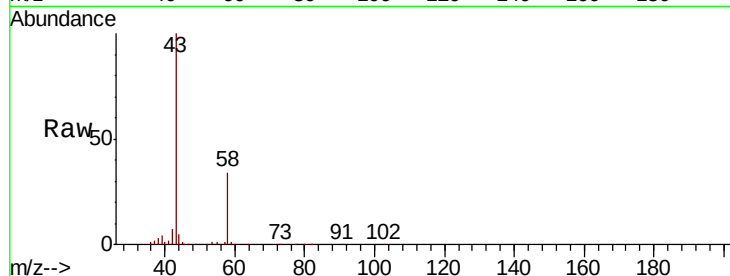
PB121127TB

Tot Ion: 43 Resp: 32926

Ion Ratio Lower Upper

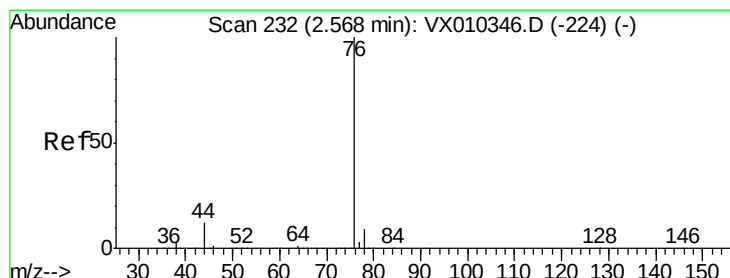
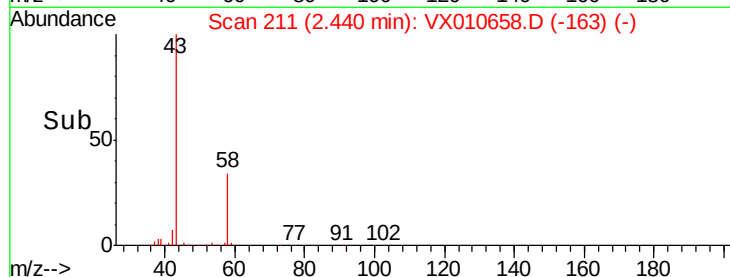
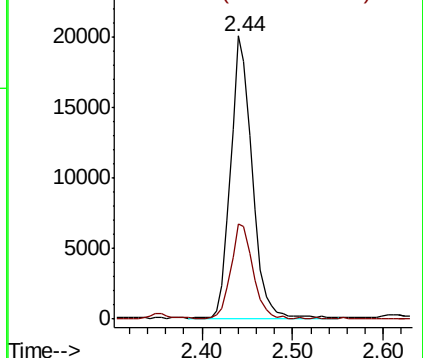
43 100

58 33.6 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.493 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010658.D

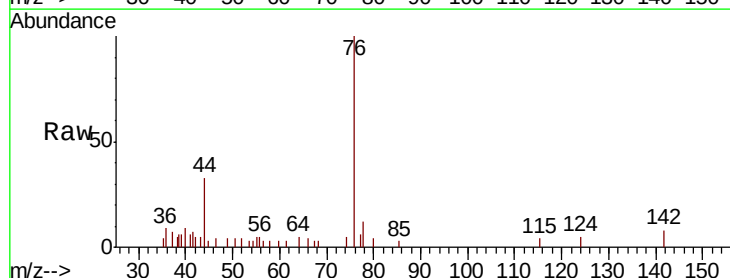
Acq: 03 Jul 2019 22:15

Tgt Ion: 76 Resp: 2773

Ion Ratio Lower Upper

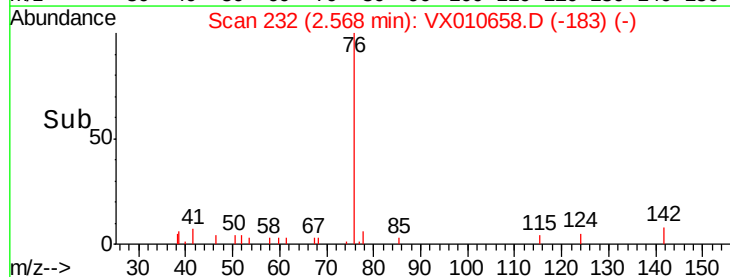
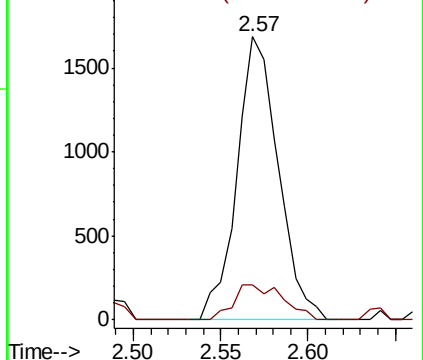
76 100

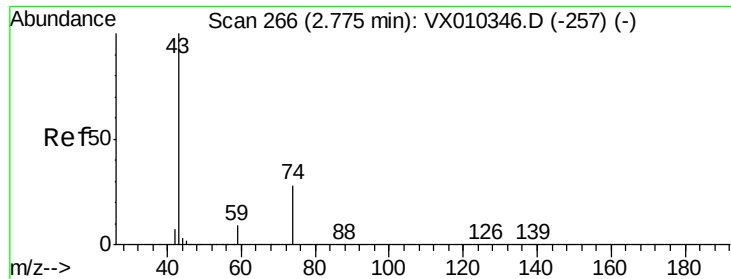
78 12.2 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

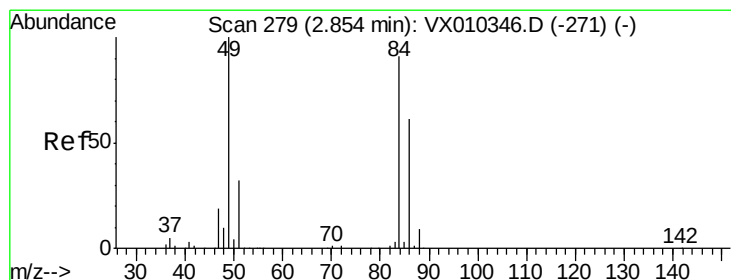
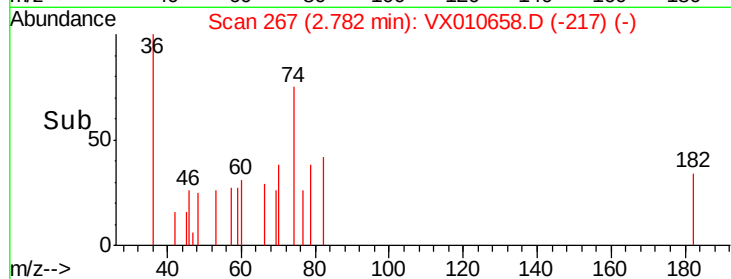
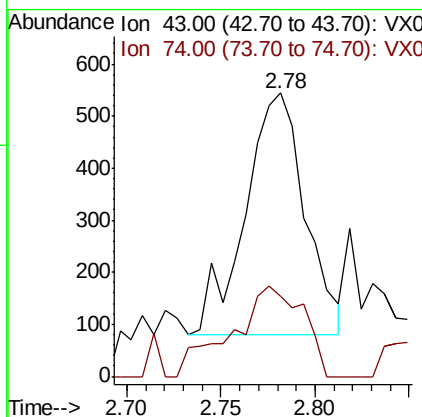
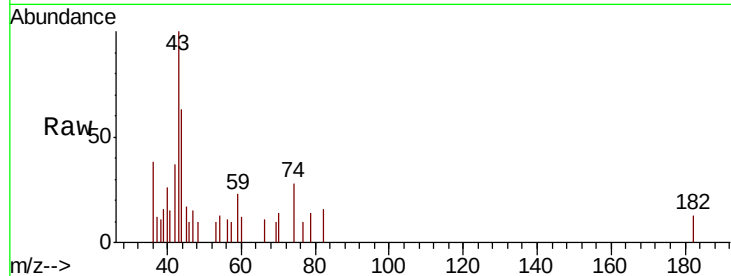




#18
Methvl Acetate
Concen: 0.454 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX010658.D
Acq: 03 Jul 2019 22:15

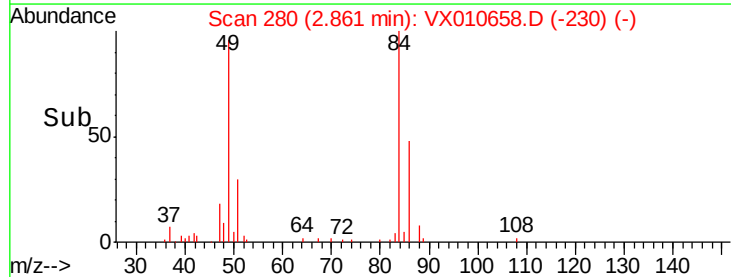
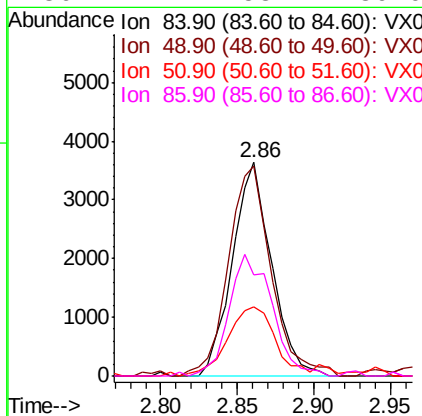
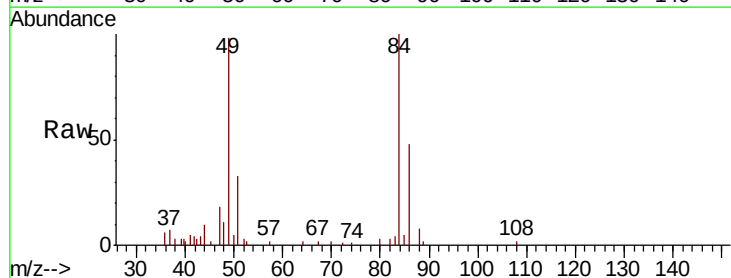
Instrument :
MSVOA_X
ClientSampleId :
PB121127TB

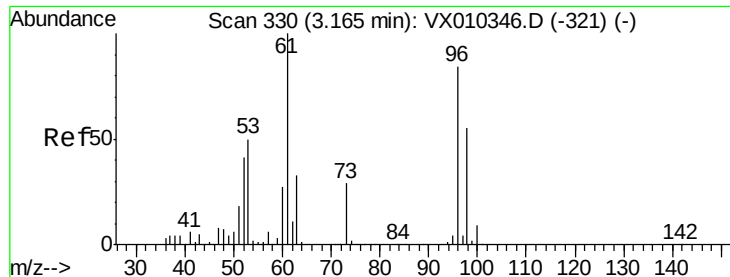
Tot Ion: 43 Resp: 1029
Ion Ratio Lower Upper
43 100
74 44.1 21.3 31.9#



#20
Methylene Chloride
Concen: 2.761 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010658.D
Acq: 03 Jul 2019 22:15

Tgt Ion: 84 Resp: 6458
Ion Ratio Lower Upper
84 100
49 98.2 87.5 131.3
51 31.1 27.7 41.5
86 47.7 53.4 80.0#





#21

trans-1,2-Dichloroethene

Concen: 0.271 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010658.D

Acq: 03 Jul 2019 22:15

Instrument :

MSVOA_X

ClientSampleId :

PB121127TB

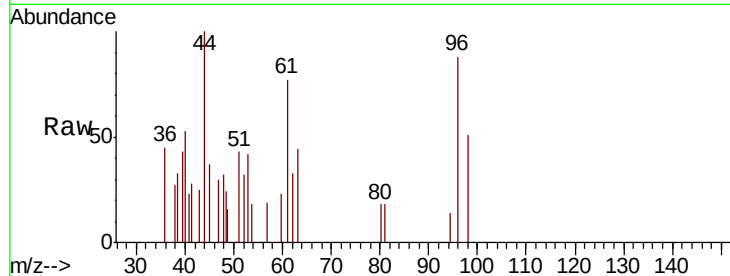
Tot Ion: 96 Resp: 610

Ion Ratio Lower Upper

96 100

61 87.8 95.6 143.4#

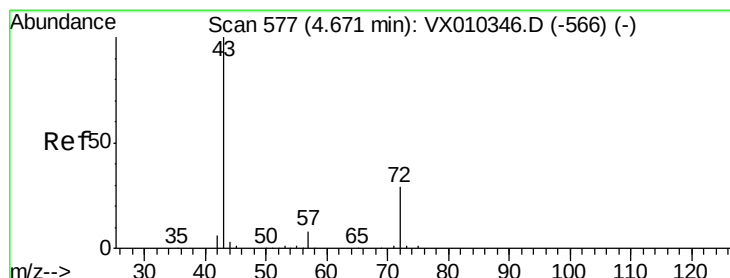
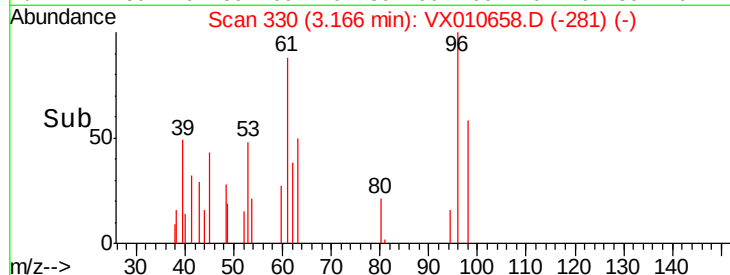
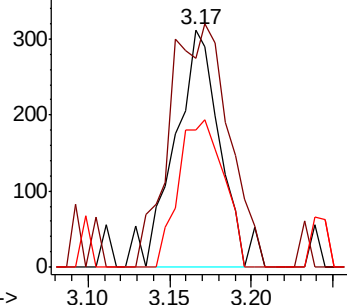
98 57.7 52.5 78.7



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 5.437 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010658.D

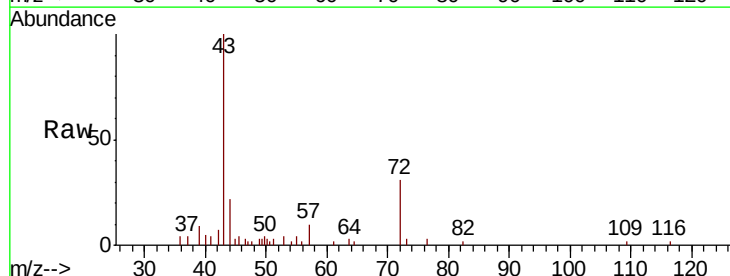
Acq: 03 Jul 2019 22:15

Tgt Ion: 43 Resp: 9064

Ion Ratio Lower Upper

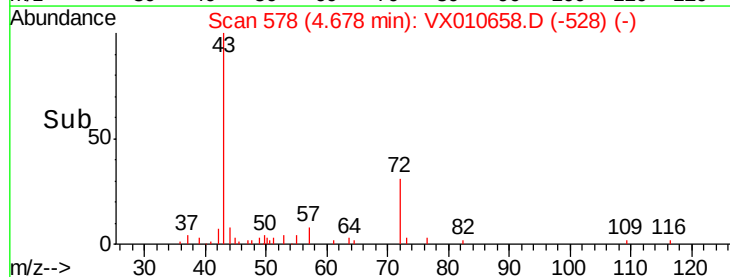
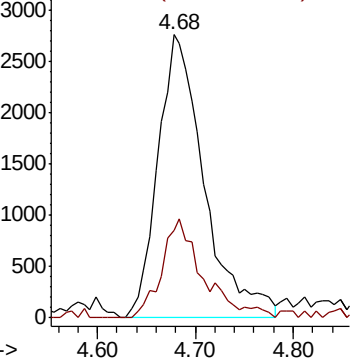
43 100

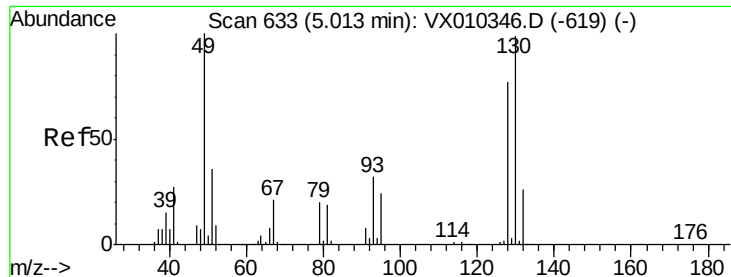
72 31.0 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: 0.225 ug/l

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX010658.D

Acq: 03 Jul 2019 22:15

Instrument :

MSVOA_X

ClientSampled :

PB121127TB

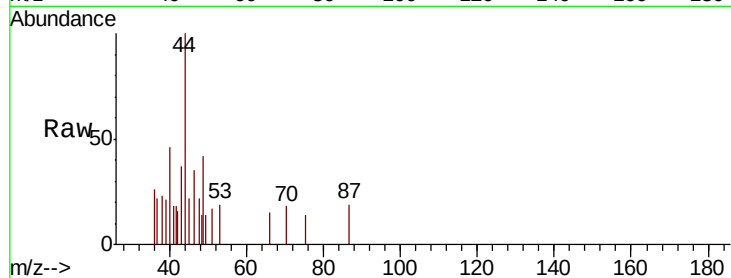
Tot Ion: 49 Resp: 387

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

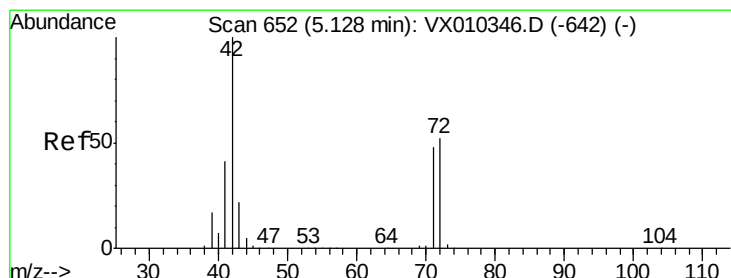
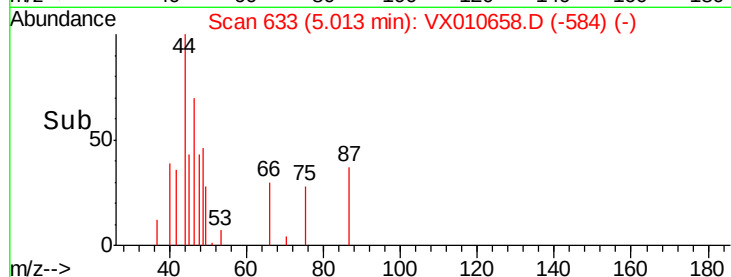
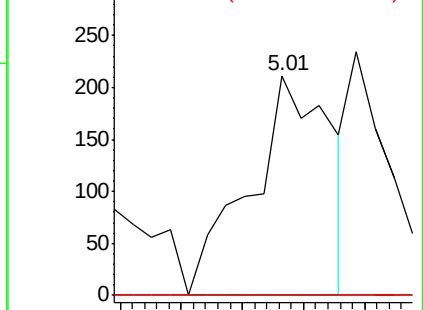
130 0.0 81.4 122.0#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 38.215 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX010658.D

Acq: 03 Jul 2019 22:15

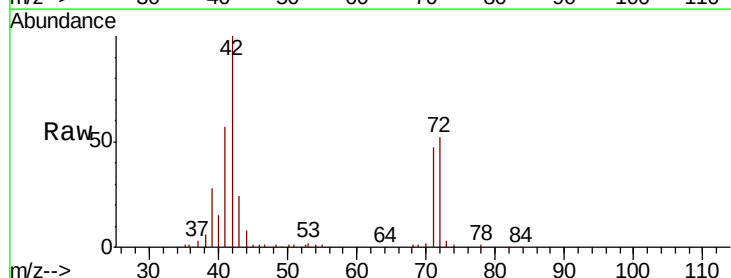
Tgt Ion: 42 Resp: 39458

Ion Ratio Lower Upper

42 100

72 48.9 40.6 60.8

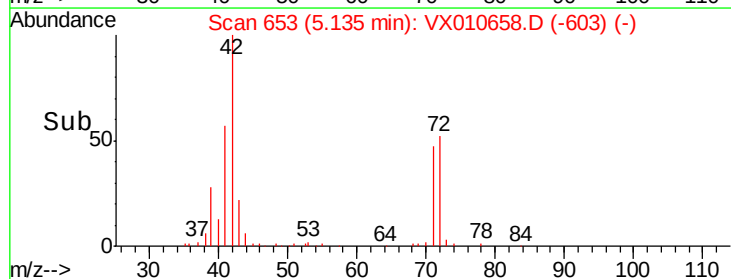
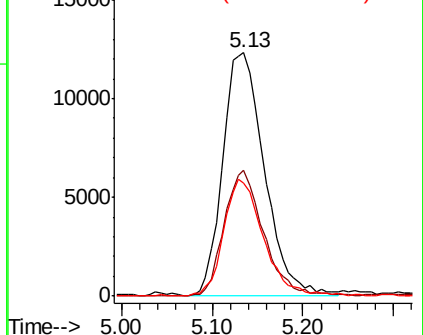
71 45.4 37.8 56.8

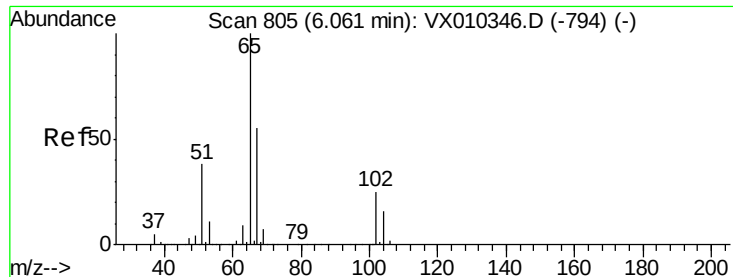


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

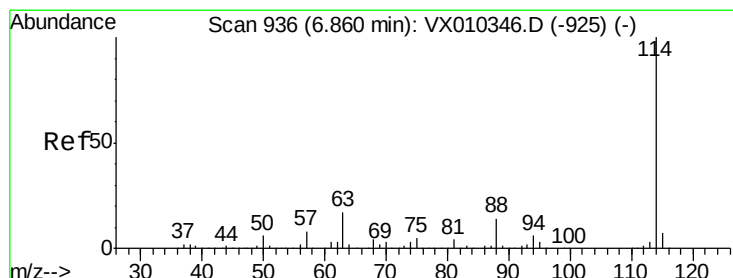
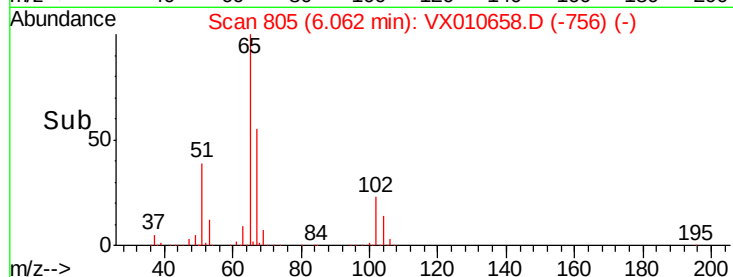
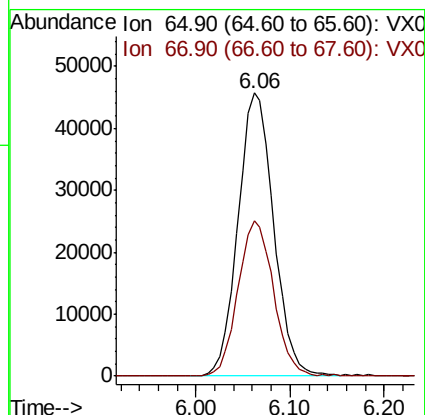
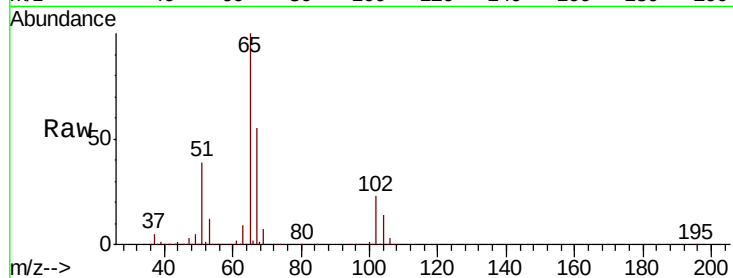




#33
 1,2-Dichloroethane-d4
 Concen: 53.256 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010658.D
 Acq: 03 Jul 2019 22:15

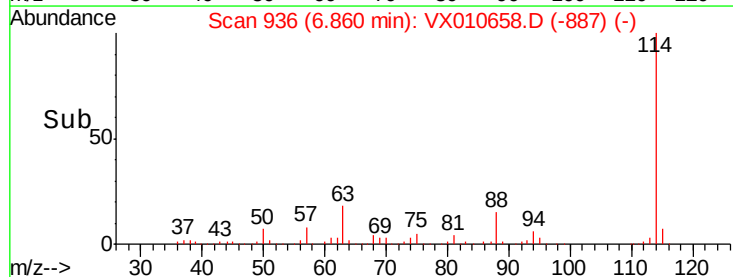
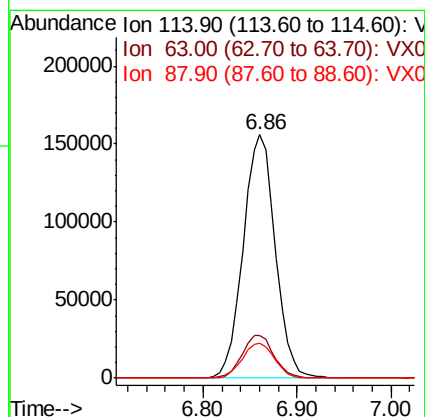
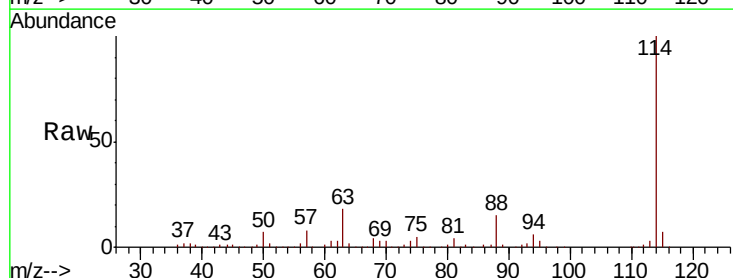
Instrument :
 MSVOA_X
 ClientSampleId :
 PB121127TB

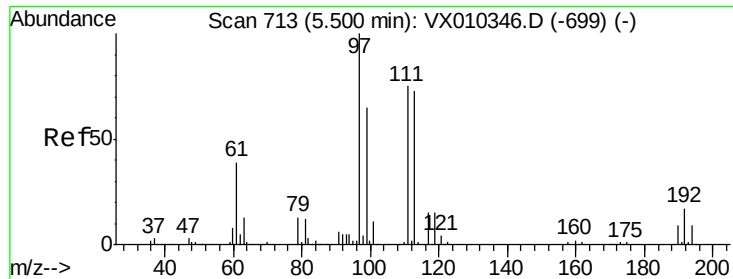
Tot Ion: 65 Resp: 120759
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010658.D
 Acq: 03 Jul 2019 22:15

Tgt Ion: 114 Resp: 371162
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 33.8
 88 14.6 0.0 27.6





#35

Dibromofluoromethane

Concen: 50.741 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010658.D

Acq: 03 Jul 2019 22:15

Instrument :

MSVOA_X

ClientSampled :

PB121127TB

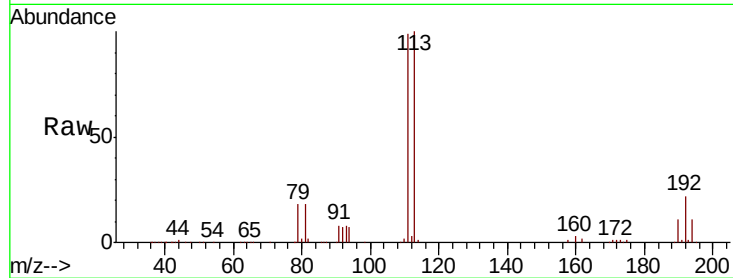
Tot Ion:113 Resp: 115228

Ion Ratio Lower Upper

113 100

111 101.4 81.2 121.8

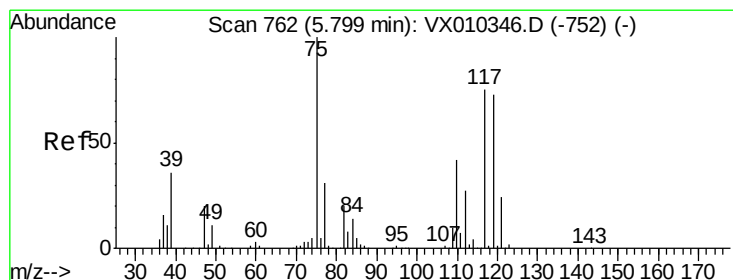
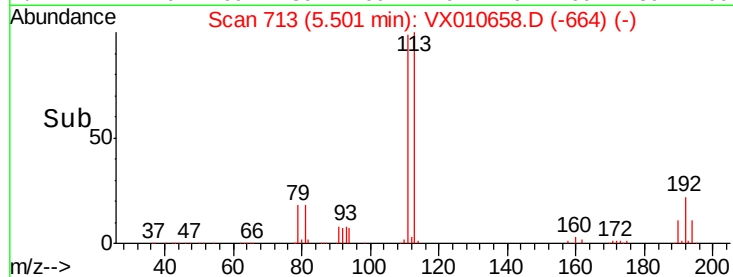
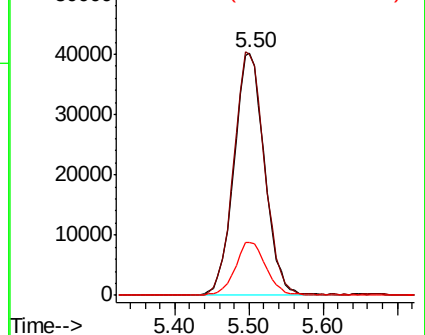
192 22.0 18.6 27.8



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: 0.217 ug/l

RT: 5.81 min Scan# 763

Delta R.T. 0.01 min

Lab File: VX010658.D

Acq: 03 Jul 2019 22:15

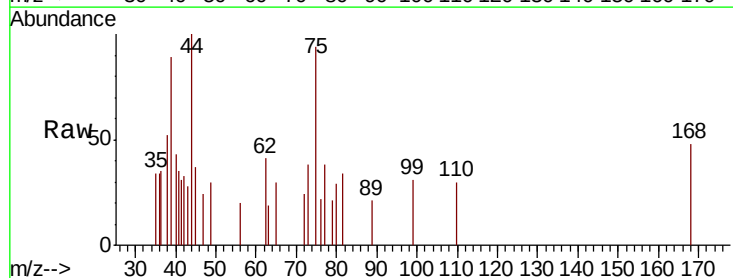
Tgt Ion: 75 Resp: 641

Ion Ratio Lower Upper

75 100

110 32.6 20.8 62.2

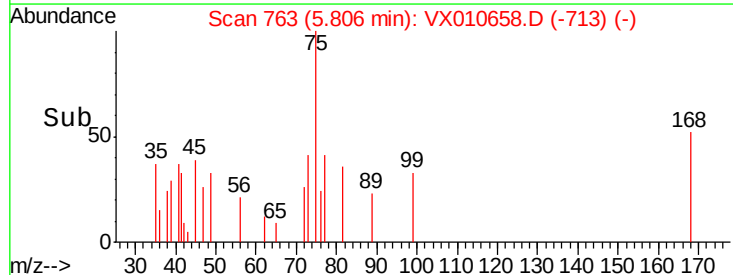
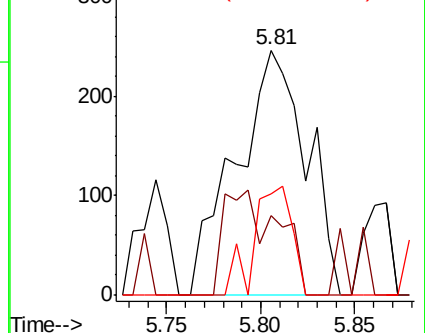
77 23.9 25.4 38.0#

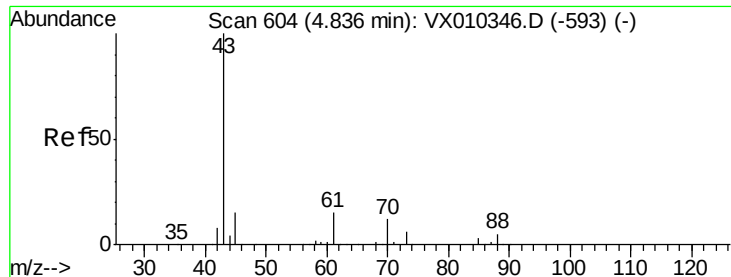


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 2.987 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.16 min

Lab File: VX010658.D

Acq: 03 Jul 2019 22:15

Instrument :

MSVOA_X

ClientSampleId :

PB121127TB

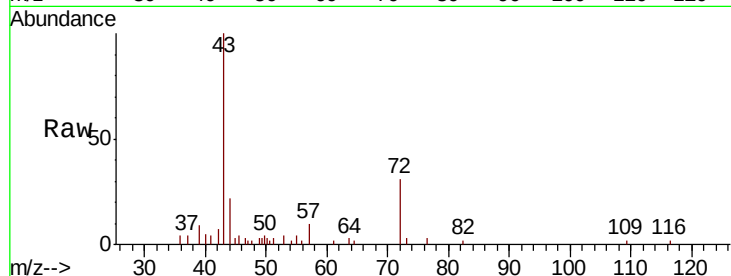
Tot Ion: 43 Resp: 9064

Ion Ratio Lower Upper

43 100

61 1.2 12.4 18.6#

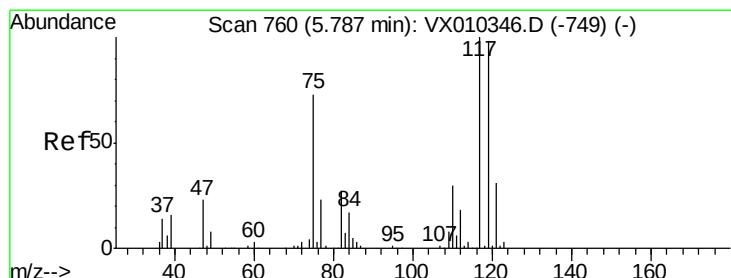
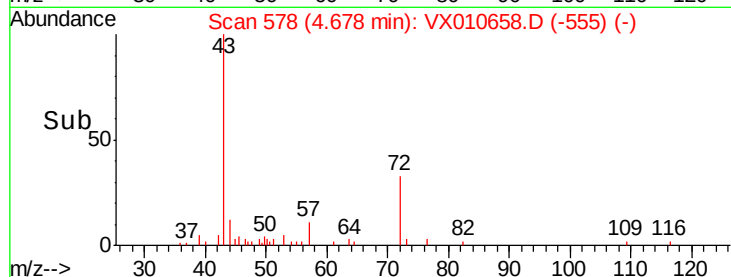
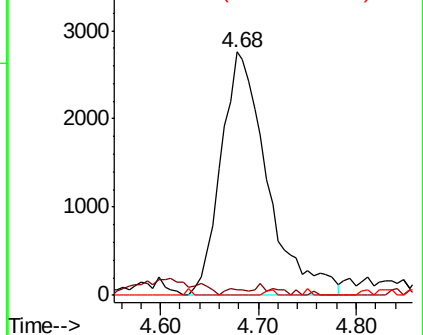
70 0.0 9.8 14.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 6.814 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010658.D

Acq: 03 Jul 2019 22:15

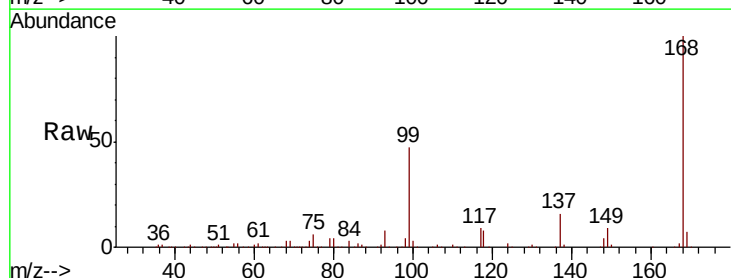
Tgt Ion: 117 Resp: 21764

Ion Ratio Lower Upper

117 100

119 4.9 78.2 117.4#

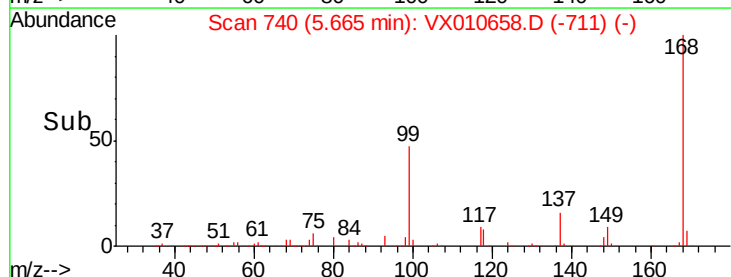
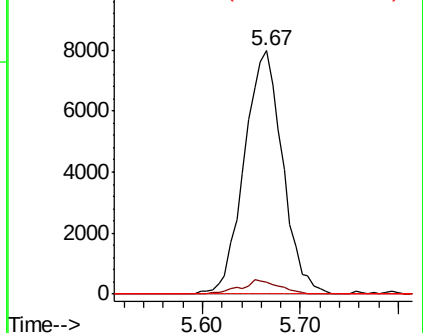
121 0.0 24.7 37.1#

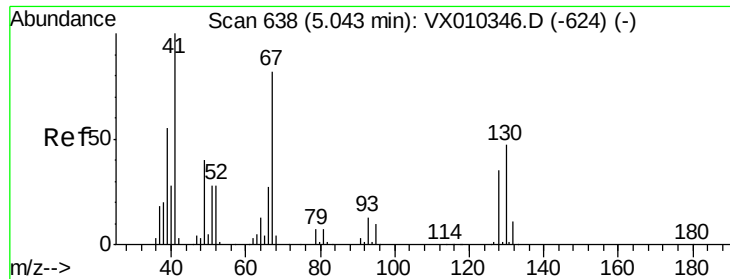


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

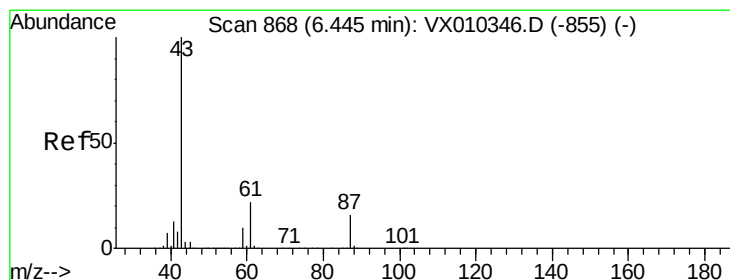
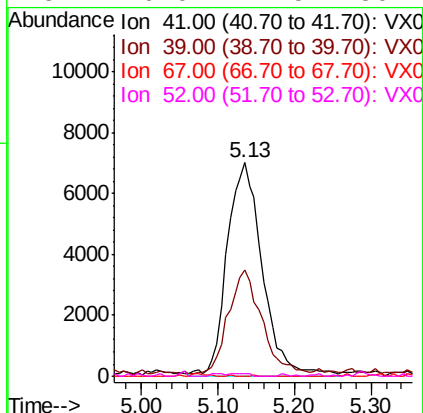
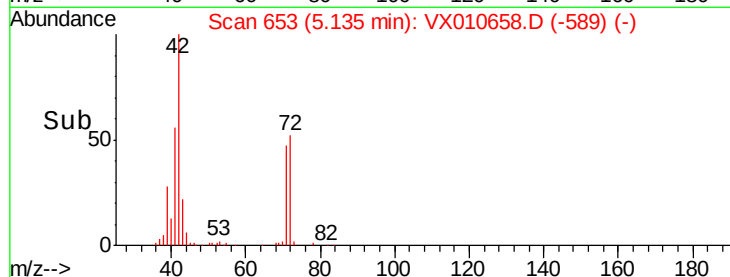
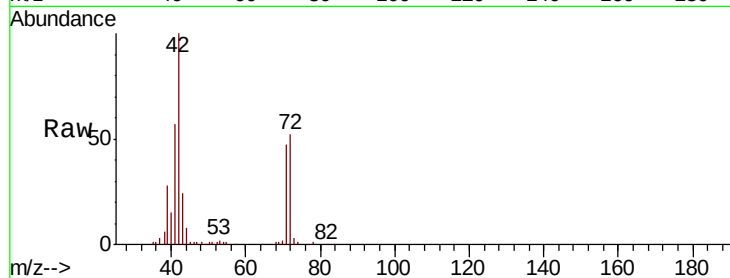




#41
Methacrylonitrile
Concen: 13.533 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.09 min
Lab File: VX010658.D
Acq: 03 Jul 2019 22:15

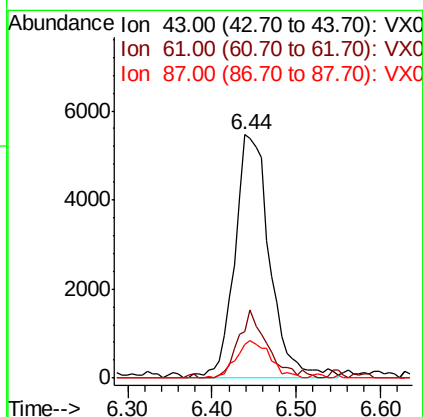
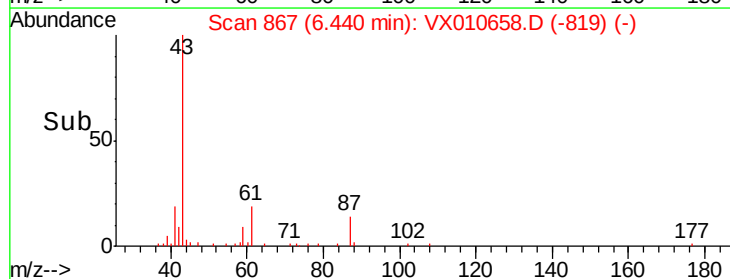
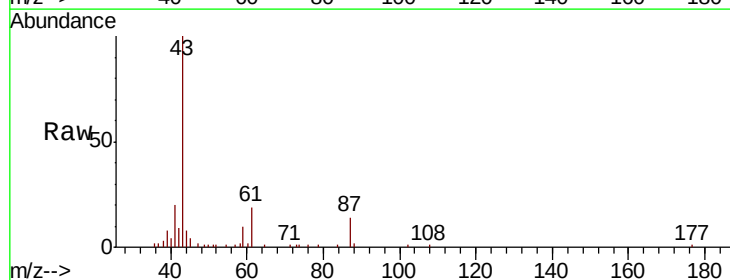
Instrument :
MSVOA_X
ClientSampled :
PB121127TB

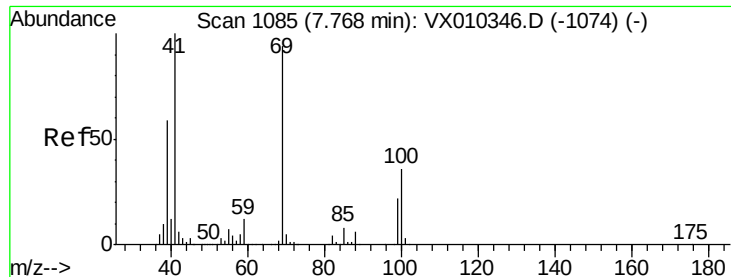
Tot Ion: 41 Resp: 22530
Ion Ratio Lower Upper
41 100
39 45.6 43.8 65.8
67 0.1 66.6 100.0#
52 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 3.064 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX010658.D
Acq: 03 Jul 2019 22:15

Tgt Ion: 43 Resp: 15381
Ion Ratio Lower Upper
43 100
61 23.0 17.8 26.6
87 14.9 13.0 19.4

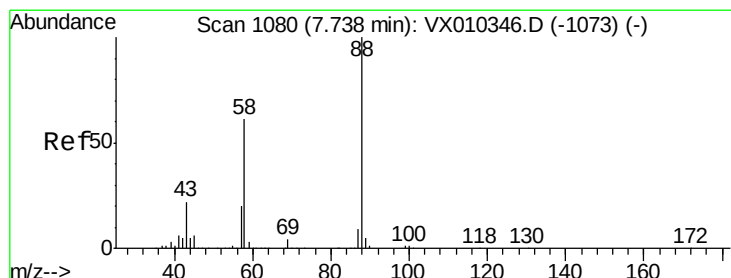
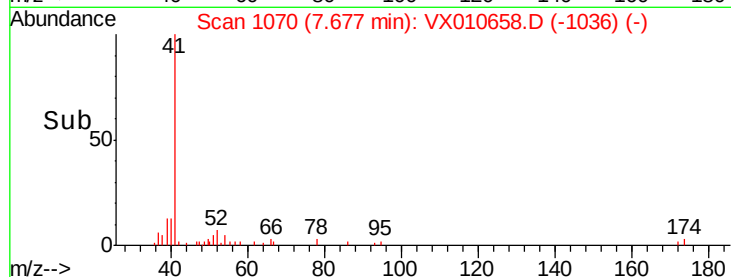
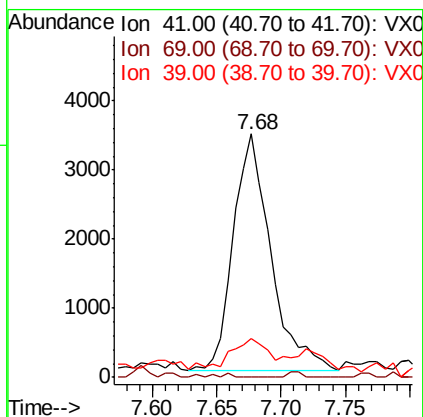
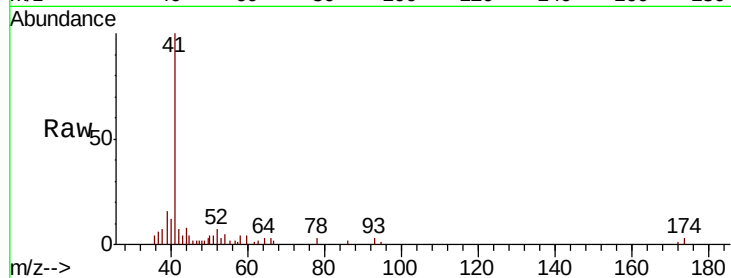




#48
Methvl methacrylate
Concen: 2.984 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX010658.D
Acq: 03 Jul 2019 22:15

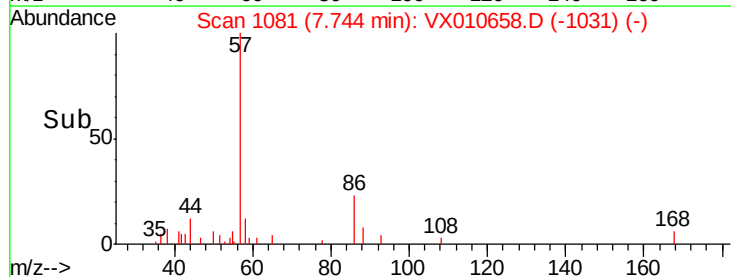
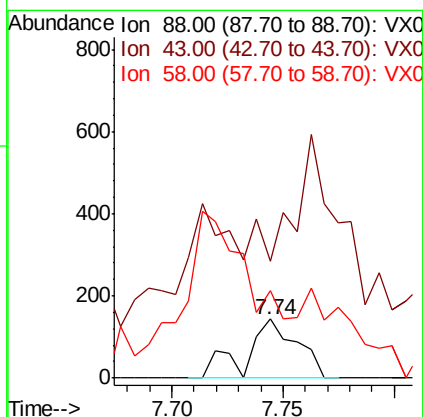
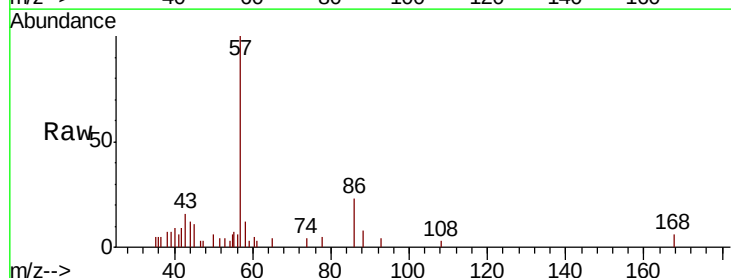
Instrument :
MSVOA_X
ClientSampleId :
PB121127TB

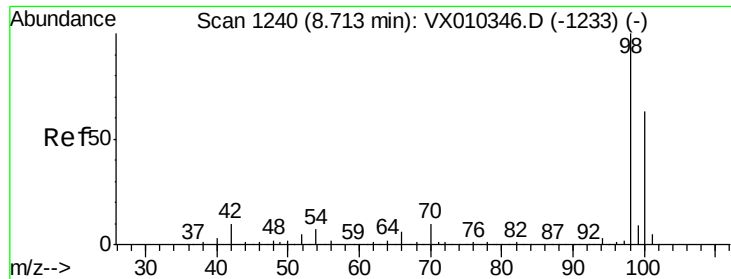
Tot Ion: 41 Resp: 6964
Ion Ratio Lower Upper
41 100
69 0.5 76.1 114.1#
39 0.0 47.6 71.4#



#49
1,4-Dioxane
Concen: 3.392 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX010658.D
Acq: 03 Jul 2019 22:15

Tgt Ion: 88 Resp: 228
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 0.0 49.5 74.3#





#50

Toluene-d8

Concen: 51.986 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010658.D

Acq: 03 Jul 2019 22:15

Instrument :

MSVOA_X

ClientSampleId :

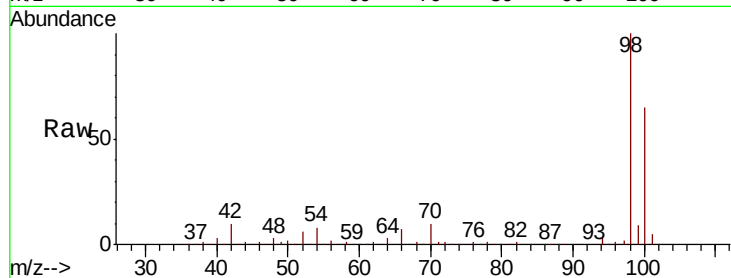
PB121127TB

Tot Ion: 98 Resp: 451658

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

300000

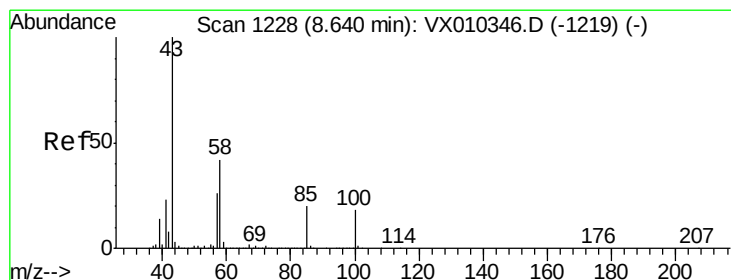
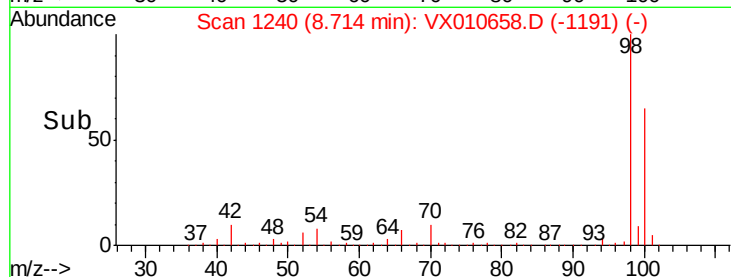
200000

100000

0

Time-->

8.60 8.70 8.80 8.90



#51

4-Methyl-2-Pentanone

Concen: 23.900 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX010658.D

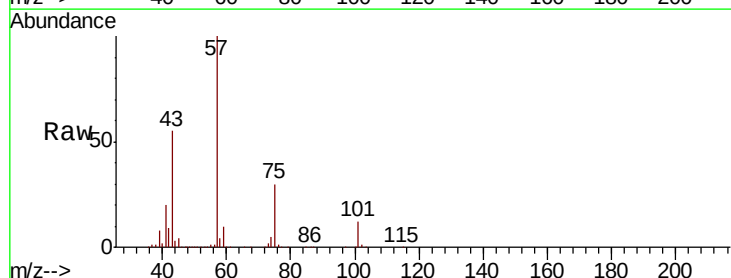
Acq: 03 Jul 2019 22:15

Tgt Ion: 43 Resp: 76736

Ion Ratio Lower Upper

43 100

58 8.6 33.5 50.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.61

50000

40000

30000

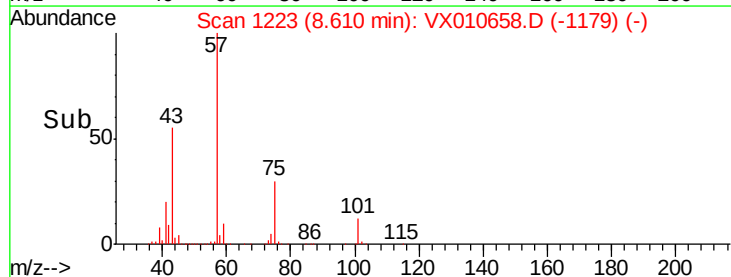
20000

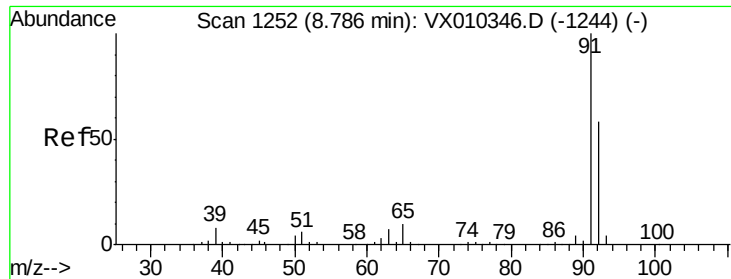
10000

0

Time-->

8.50 8.55 8.60 8.65 8.70





#52

Toluene

Concen: 0.201 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010658.D

Acq: 03 Jul 2019 22:15

Instrument :

MSVOA_X

ClientSampleId :

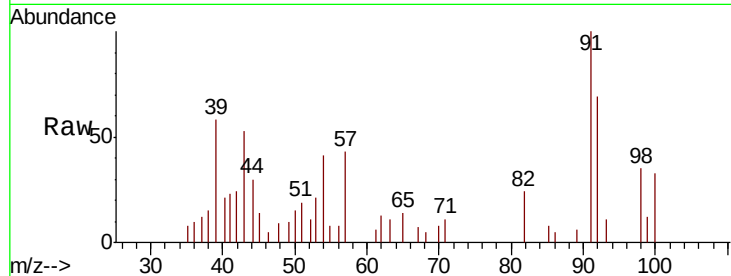
PB121127TB

Tot Ion: 92 Resp: 1216

Ion Ratio Lower Upper

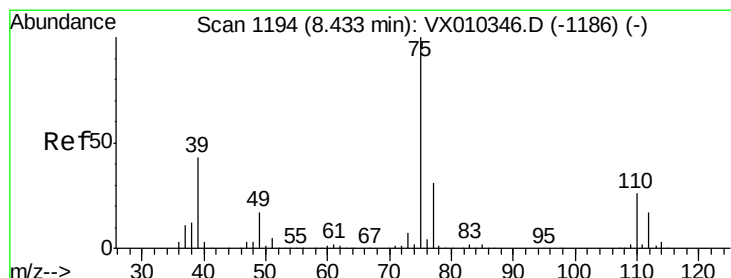
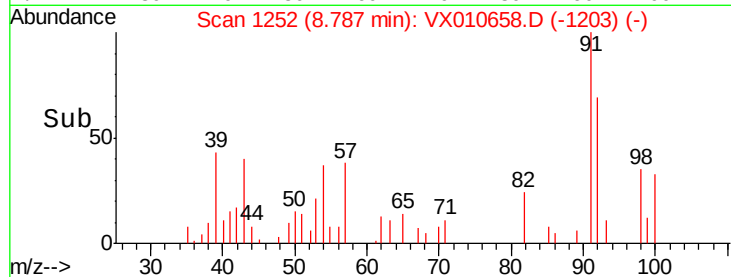
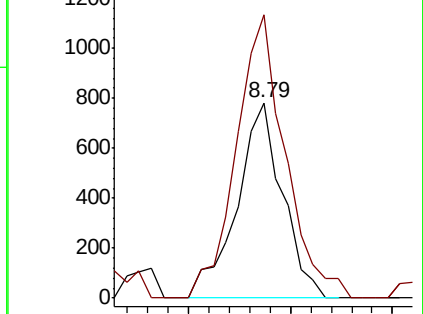
92 100

91 155.8 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 10.914 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX010658.D

Acq: 03 Jul 2019 22:15

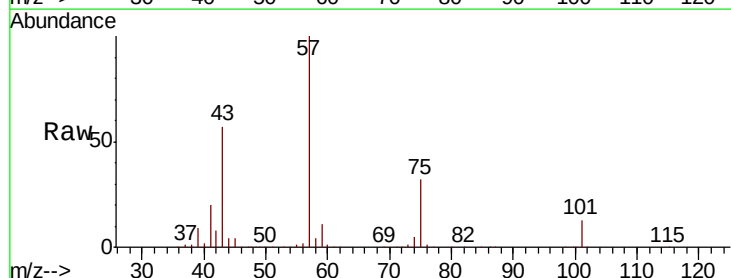
Tgt Ion: 75 Resp: 40572

Ion Ratio Lower Upper

75 100

77 0.6 25.2 37.8#

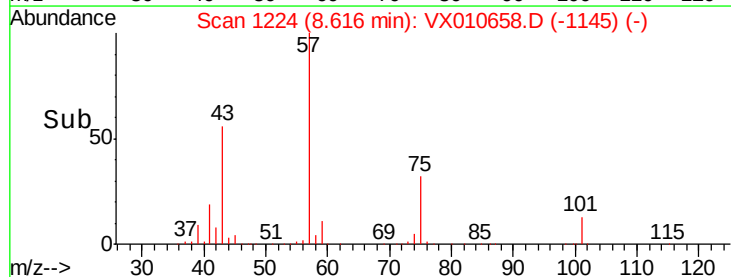
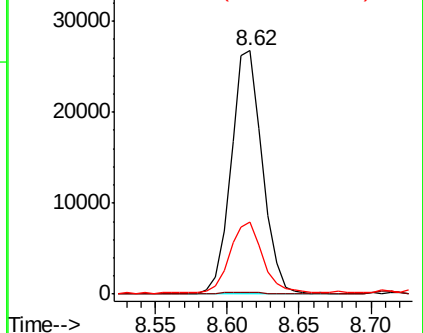
39 28.9 34.5 51.7#

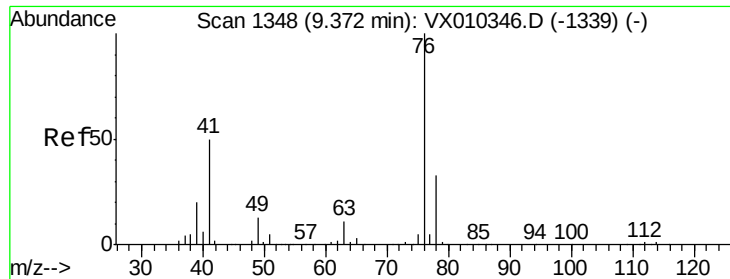


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

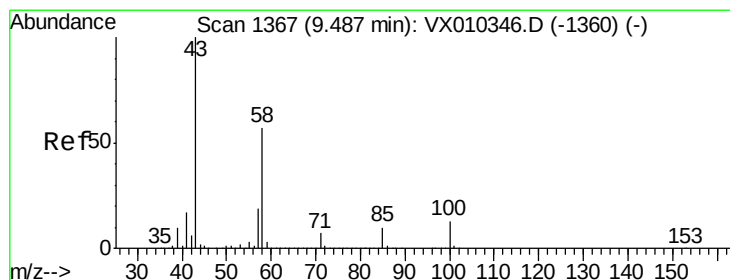
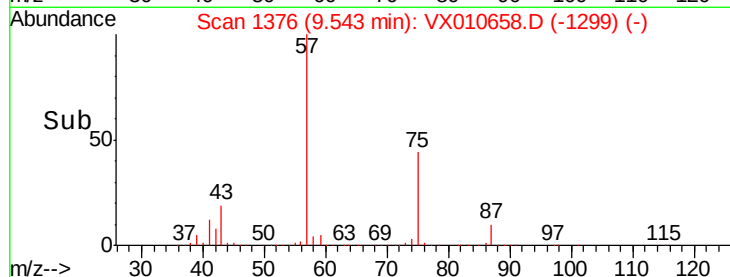
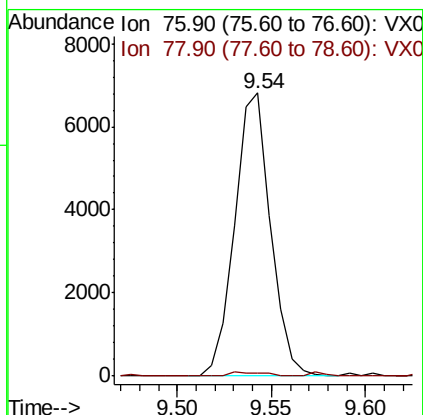
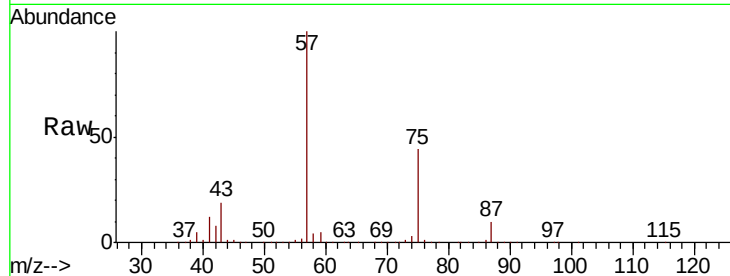




#57
 1,3-Dichloropropane
 Concen: 2.315 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.17 min
 Lab File: VX010658.D
 Acq: 03 Jul 2019 22:15

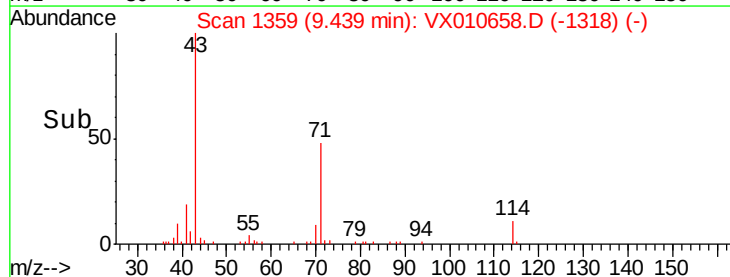
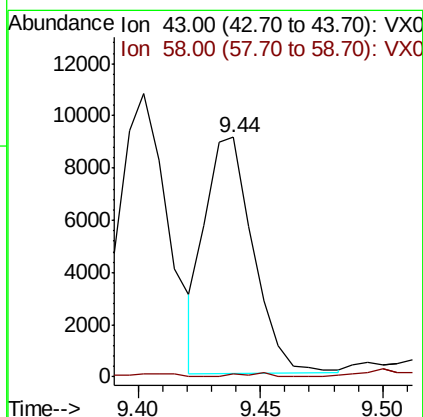
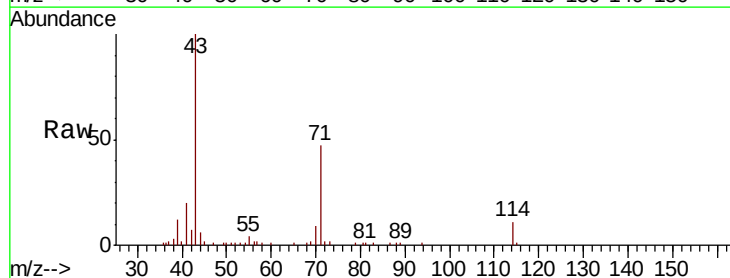
Instrument :
 MSVOA_X
 ClientSampleId :
 PB121127TB

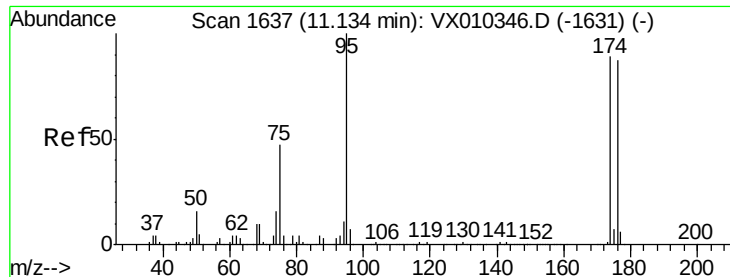
Tot Ion: 76 Resp: 8969
 Ion Ratio Lower Upper
 76 100
 78 1.2 26.1 39.1#



#59
 2-Hexanone
 Concen: 4.886 ug/l
 RT: 9.44 min Scan# 1359
 Delta R.T. -0.05 min
 Lab File: VX010658.D
 Acq: 03 Jul 2019 22:15

Tgt Ion: 43 Resp: 12346
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.0 87.1#

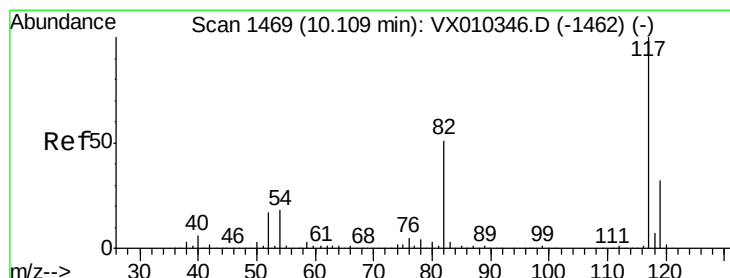
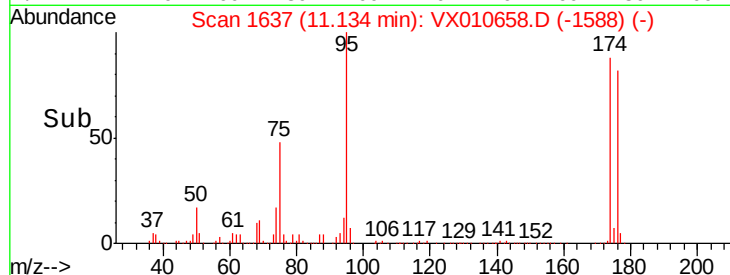
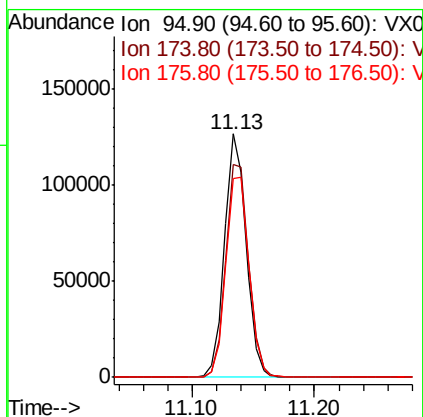
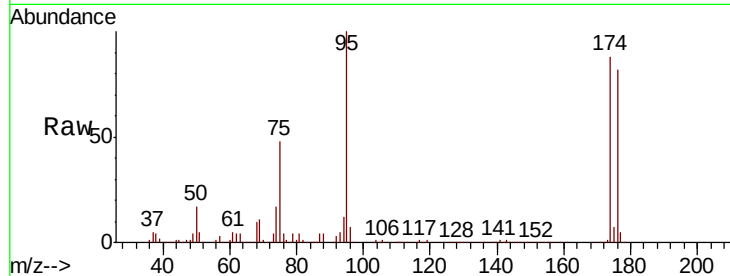




#62
4-Bromofluorobenzene
Concen: 49.215 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010658.D
Acq: 03 Jul 2019 22:15

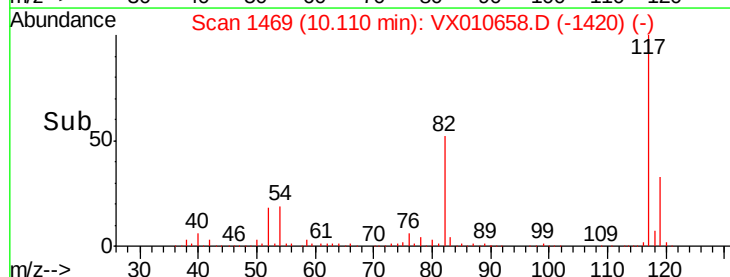
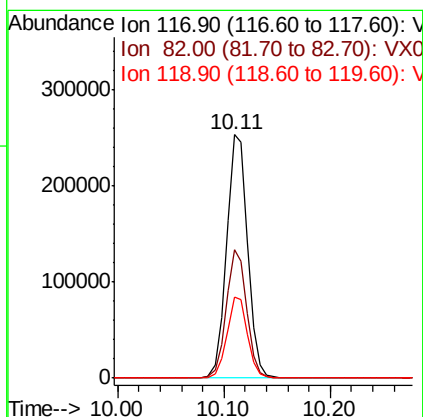
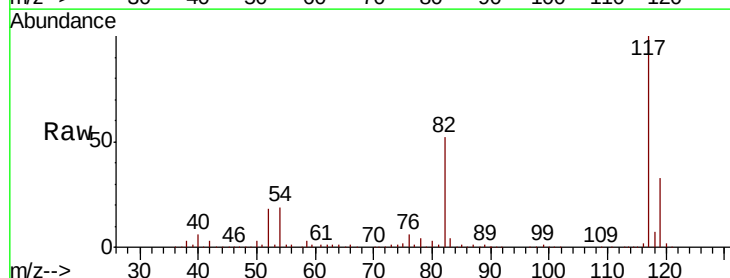
Instrument :
MSVOA_X
ClientSampleId :
PB121127TB

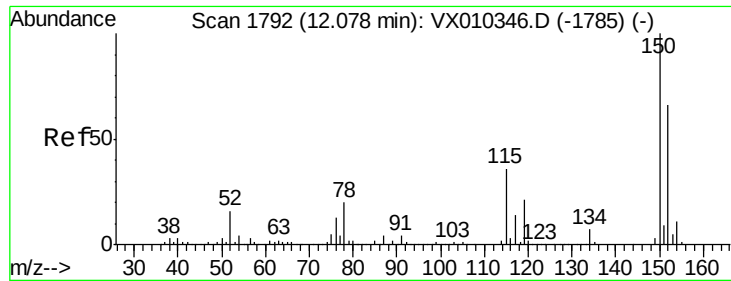
Tot Ion: 95 Resp: 154368
Ion Ratio Lower Upper
95 100
174 92.8 0.0 187.6
176 88.2 0.0 184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010658.D
Acq: 03 Jul 2019 22:15

Tgt Ion: 117 Resp: 349384
Ion Ratio Lower Upper
117 100
82 52.5 41.2 61.8
119 33.1 25.5 38.3

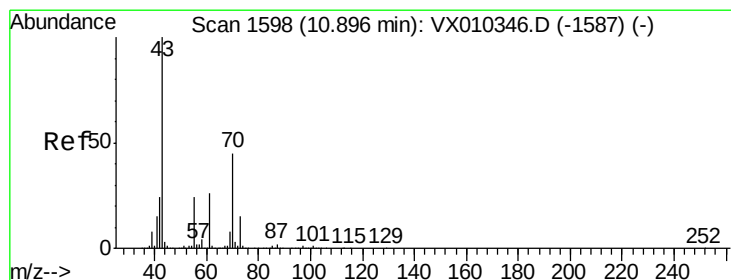
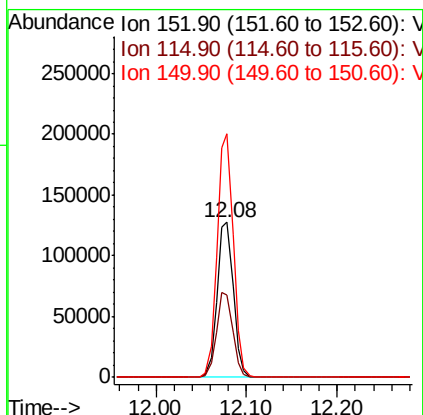
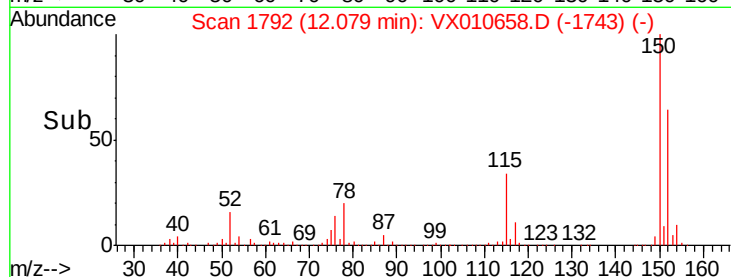
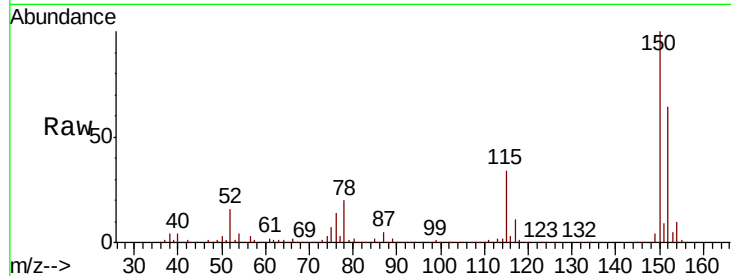




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX010658.D
 Acq: 03 Jul 2019 22:15

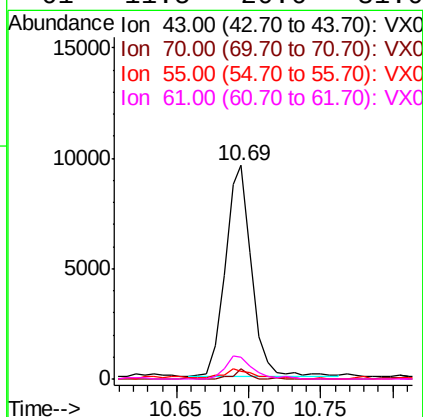
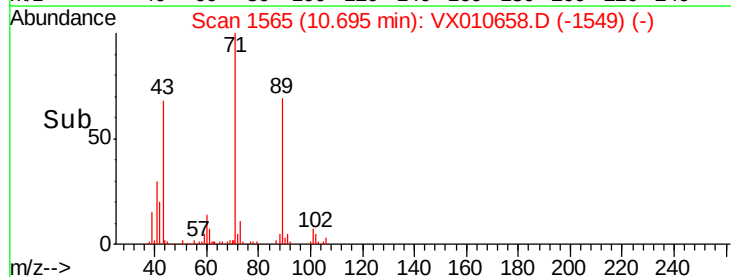
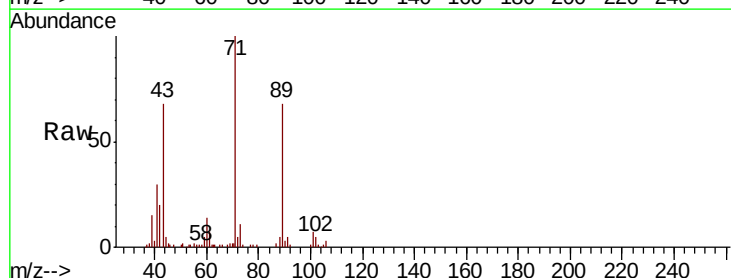
Instrument :
 MSVOA_X
 ClientSampleId :
 PB121127TB

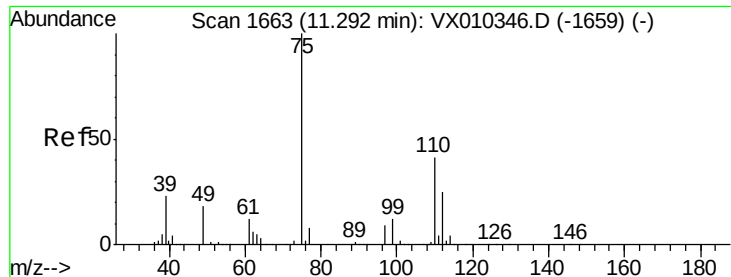
Tot Ion:152 Resp: 160866
 Ion Ratio Lower Upper
 152 100
 115 54.9 38.6 115.7
 150 155.3 0.0 347.4



#74
 N-amil acetate
 Concen: 2.982 ug/l
 RT: 10.69 min Scan# 1565
 Delta R.T. -0.20 min
 Lab File: VX010658.D
 Acq: 03 Jul 2019 22:15

Tgt Ion: 43 Resp: 12289
 Ion Ratio Lower Upper
 43 100
 70 2.7 36.6 54.8#
 55 5.7 18.7 28.1#
 61 11.5 20.6 31.0#

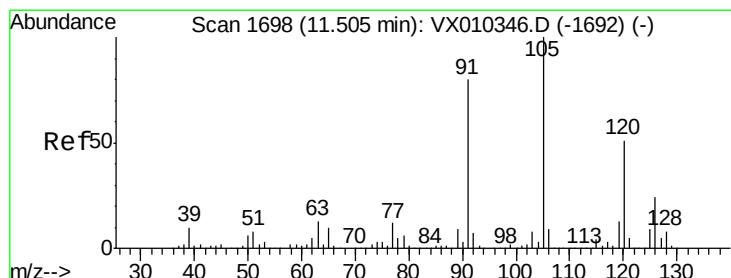
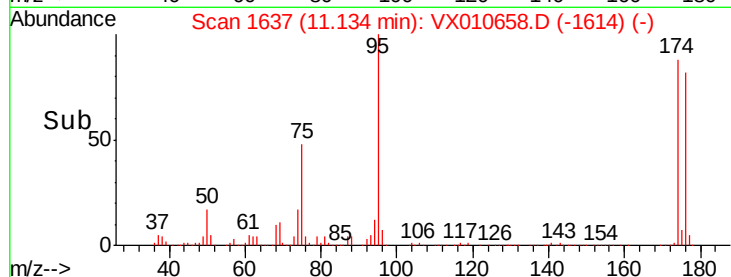
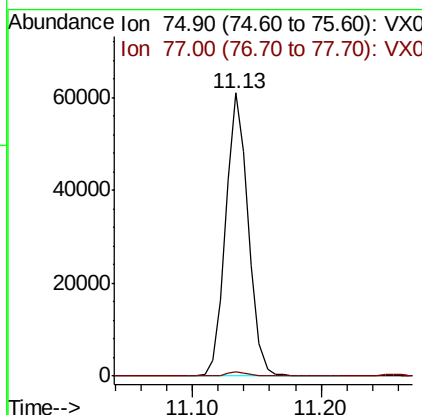
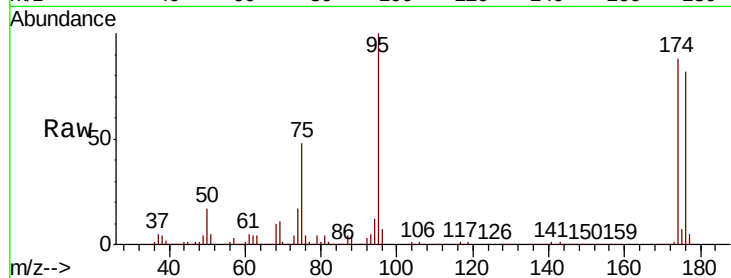




#76
 1,2,3-Trichloropropane
 Concen: 25.641 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010658.D
 Acq: 03 Jul 2019 22:15

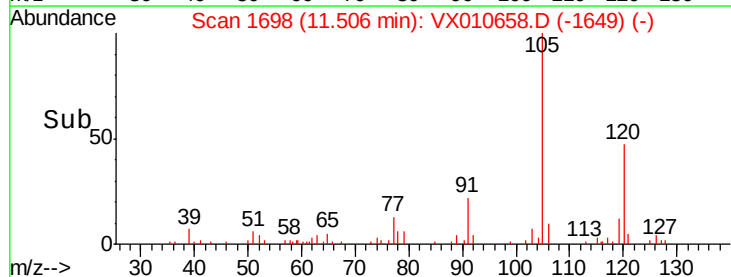
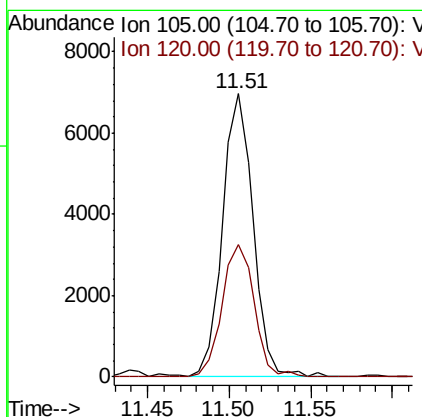
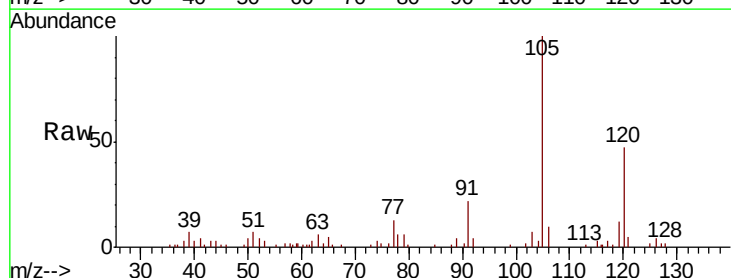
Instrument :
 MSVOA_X
 ClientSampleId :
 PB121127TB

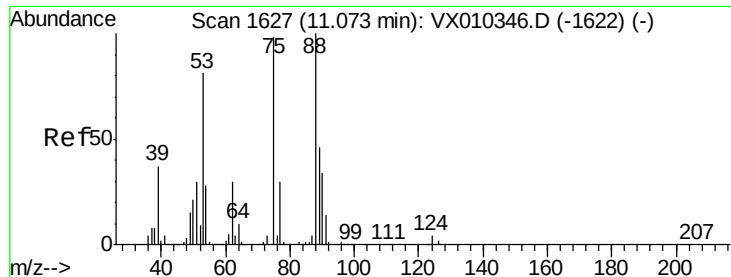
Tot Ion: 75 Resp: 75164
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.6 67.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.007 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010658.D
 Acq: 03 Jul 2019 22:15

Tgt Ion: 105 Resp: 9054
 Ion Ratio Lower Upper
 105 100
 120 49.1 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 59.818 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010658.D

Acq: 03 Jul 2019 22:15

Instrument :

MSVOA_X

ClientSampleId :

PB121127TB

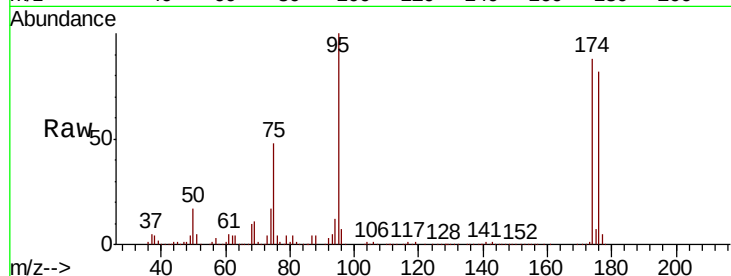
Tot Ion: 75 Resp: 75164

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

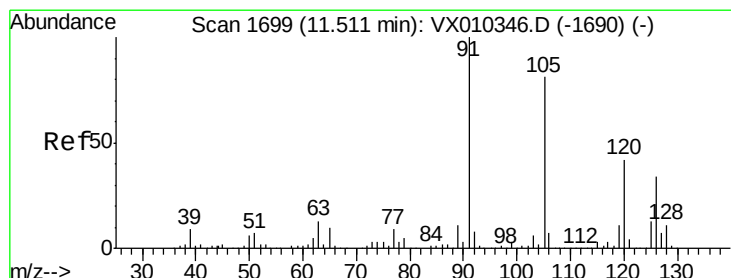
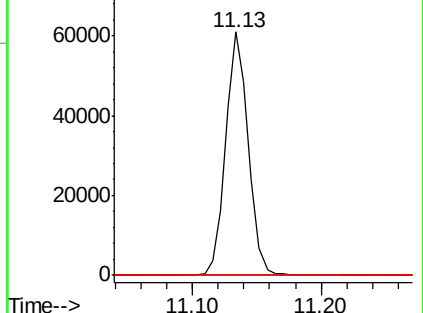
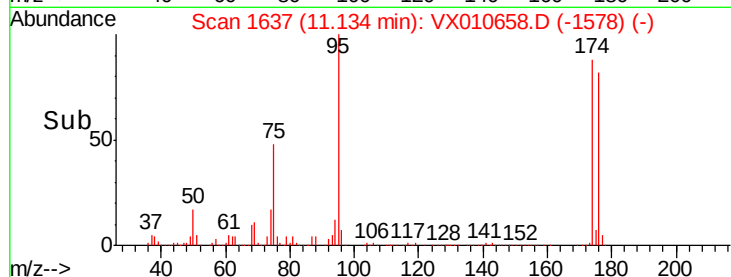
89 0.0 37.8 56.6#



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



#82

4-Chlorotoluene

Concen: 0.300 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX010658.D

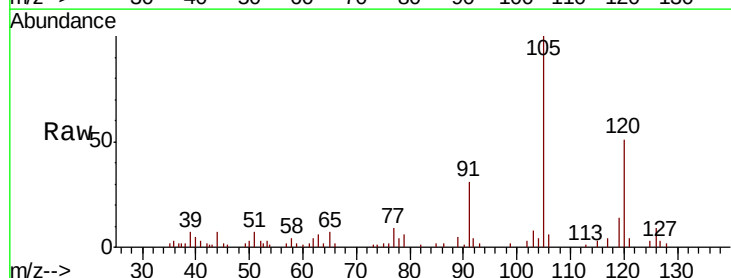
Acq: 03 Jul 2019 22:15

Tgt Ion: 91 Resp: 2435

Ion Ratio Lower Upper

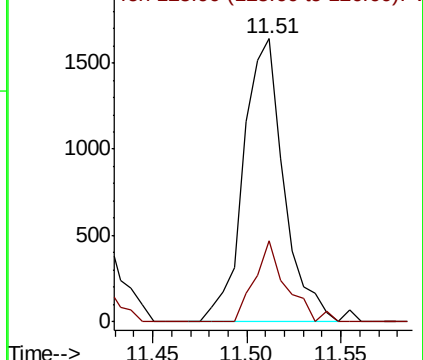
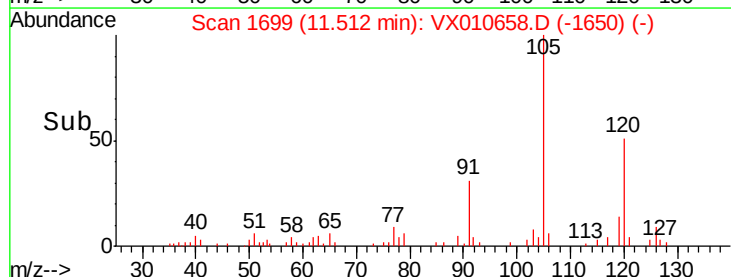
91 100

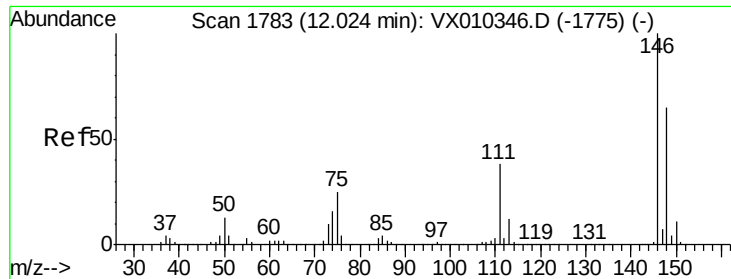
126 22.7 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

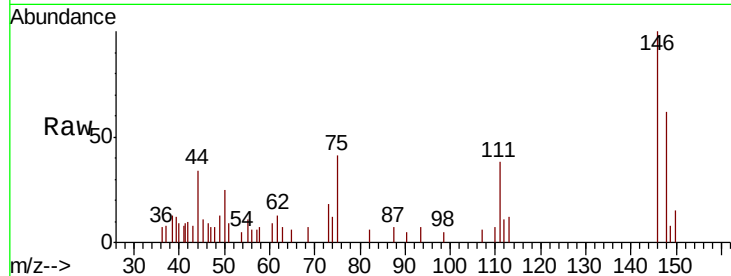




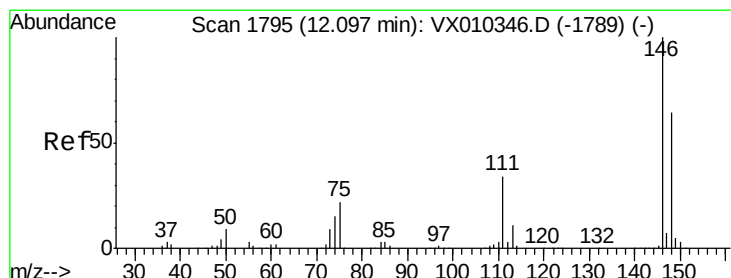
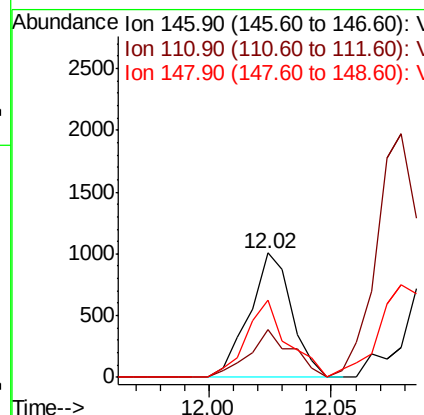
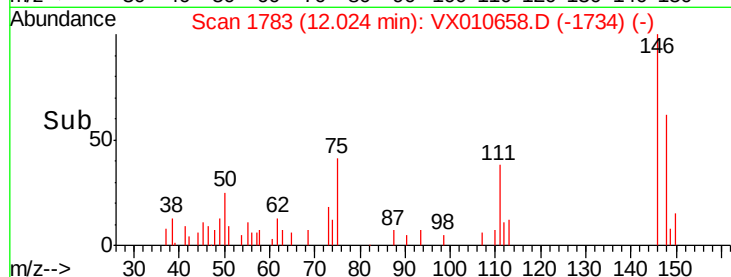
#87
 1,3-Dichlorobenzene
 Concen: 0.228 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010658.D
 Acq: 03 Jul 2019 22:15

Instrument :
 MSVOA_X
 ClientSampled :
 PB121127TB

Tot Ion:146 Resp: 1214
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.1 57.1
 148 60.2 32.5 97.4

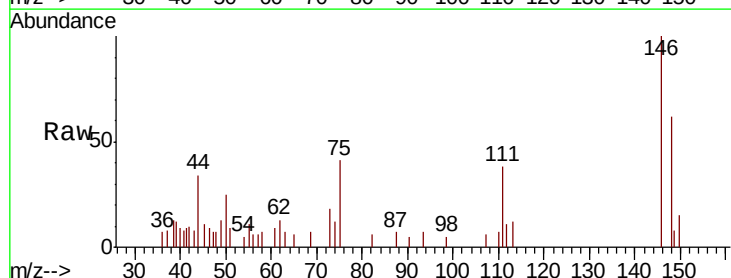


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

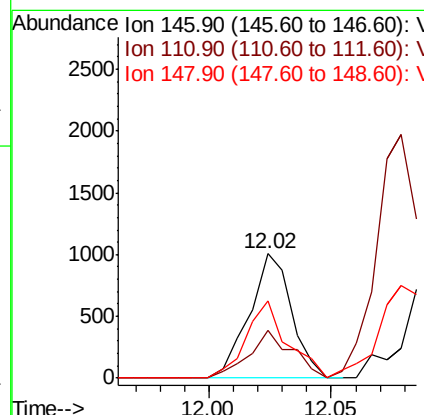
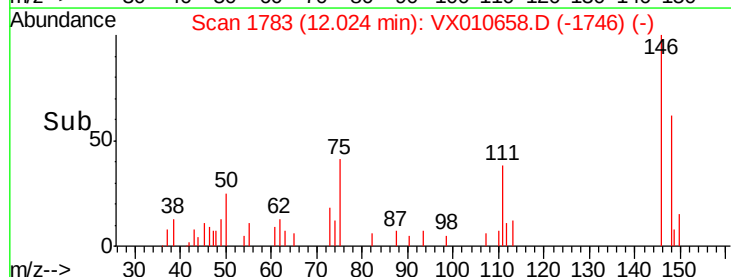


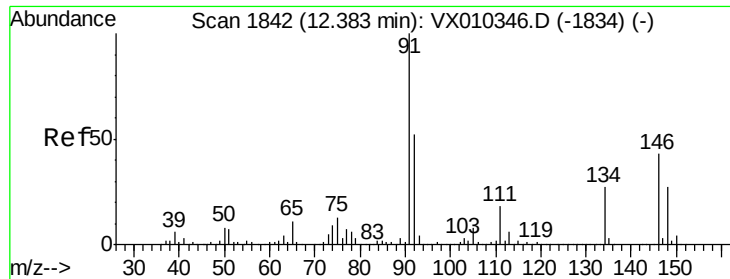
#88
 1,4-Dichlorobenzene
 Concen: 0.224 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.07 min
 Lab File: VX010658.D
 Acq: 03 Jul 2019 22:15

Tgt Ion:146 Resp: 1214
 Ion Ratio Lower Upper
 146 100
 111 38.9 18.1 54.3
 148 60.2 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

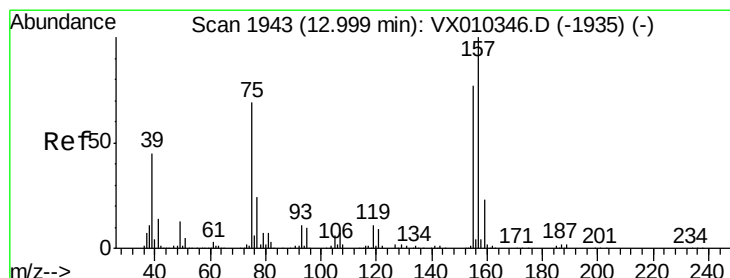
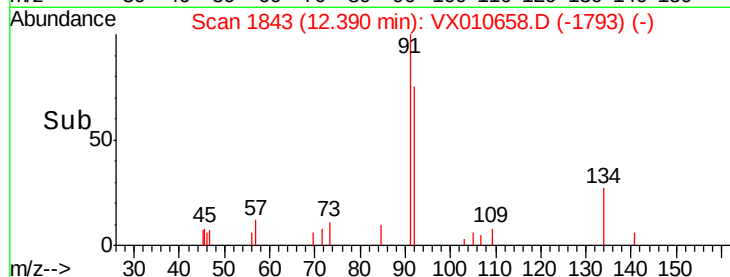
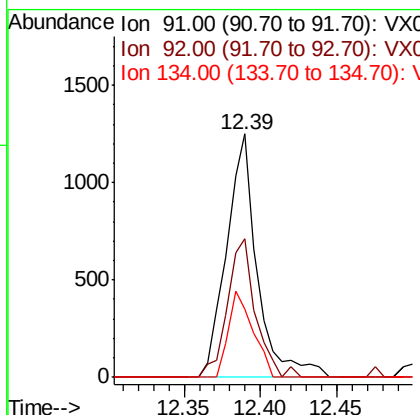
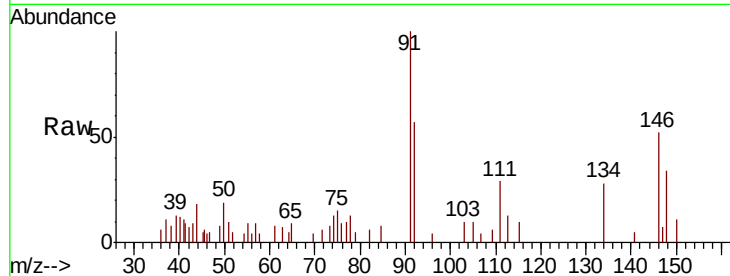




#89
n-Butylbenzene
Concen: 0.209 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX010658.D
Acq: 03 Jul 2019 22:15

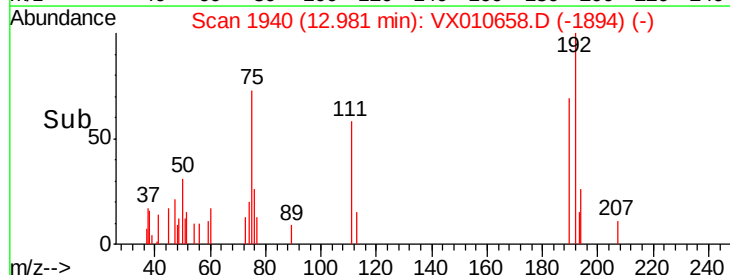
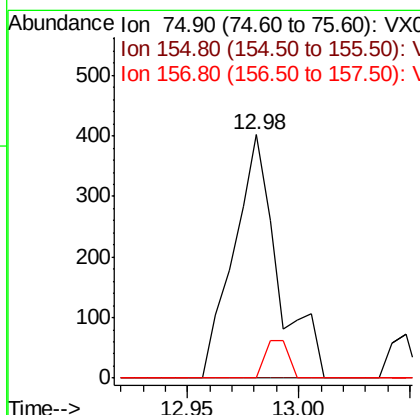
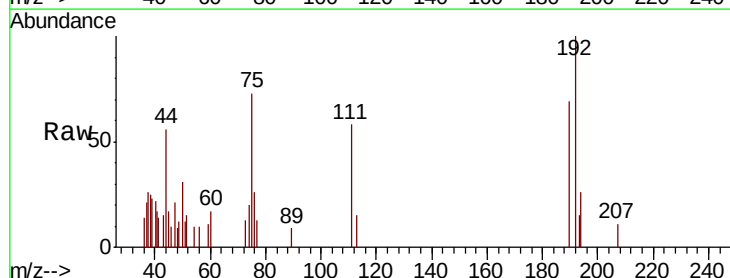
Instrument :
MSVOA_X
ClientSampled :
PB121127TB

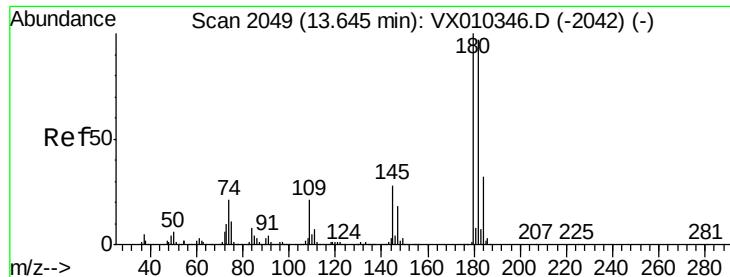
Tot Ion: 91 Resp: 1739
Ion Ratio Lower Upper
91 100
92 52.4 26.2 78.5
134 27.8 14.1 42.4



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.710 ug/l
RT: 12.98 min Scan# 1940
Delta R.T. -0.02 min
Lab File: VX010658.D
Acq: 03 Jul 2019 22:15

Tgt Ion: 75 Resp: 553
Ion Ratio Lower Upper
75 100
155 0.0 54.4 163.1#
157 8.1 69.5 208.3#

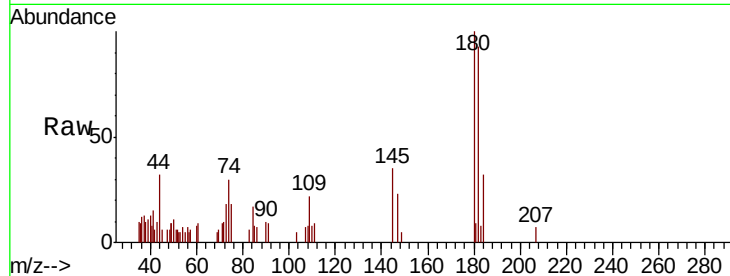




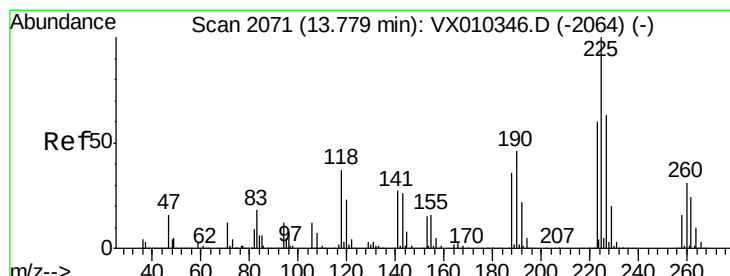
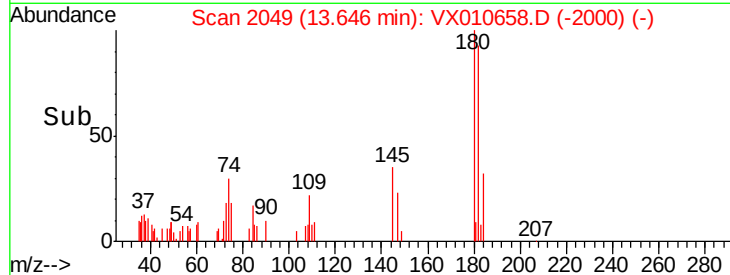
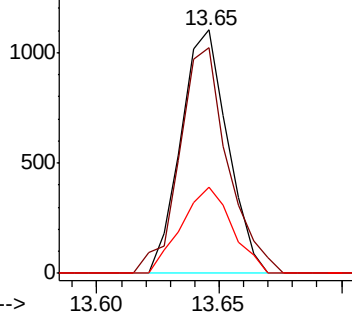
#93
 1,2,4-Trichlorobenzene
 Concen: 0.398 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010658.D
 Acq: 03 Jul 2019 22:15

Instrument :
 MSVOA_X
 ClientSampleId :
 PB121127TB

Tot Ion:180 Resp: 1457
 Ion Ratio Lower Upper
 180 100
 182 96.2 48.0 144.0
 145 38.4 14.4 43.4

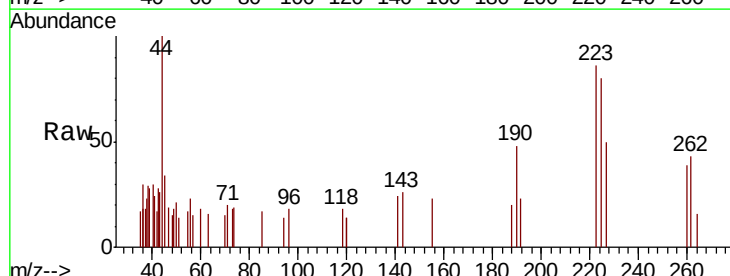


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

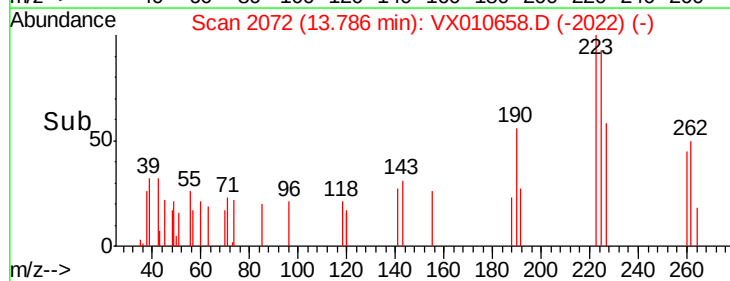
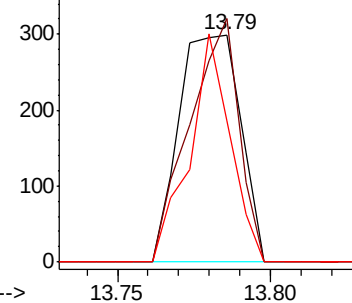


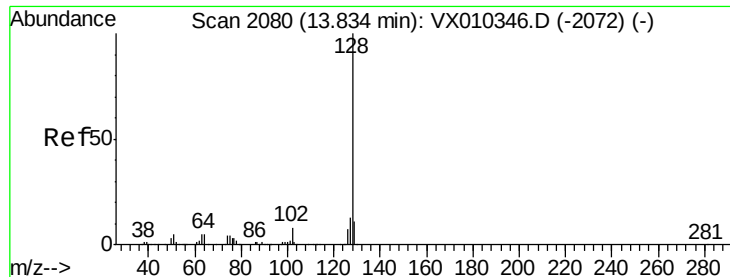
#94
 Hexachlorobutadiene
 Concen: 0.233 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VX010658.D
 Acq: 03 Jul 2019 22:15

Tgt Ion:225 Resp: 417
 Ion Ratio Lower Upper
 225 100
 223 85.9 30.9 92.7
 227 66.2 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.341 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010658.D

Acq: 03 Jul 2019 22:15

Instrument :

MSVOA_X

ClientSampleId :

PB121127TB

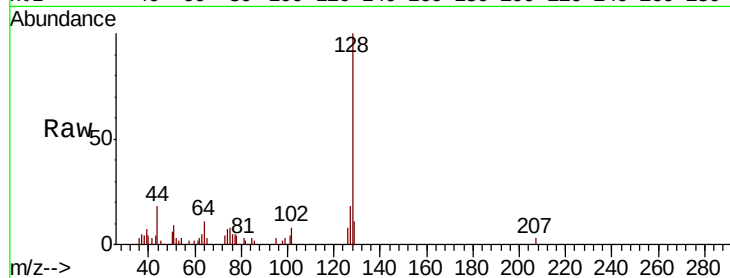
Tot Ion:128 Resp: 3844

Ion Ratio Lower Upper

128 100

127 15.3 10.2 15.4

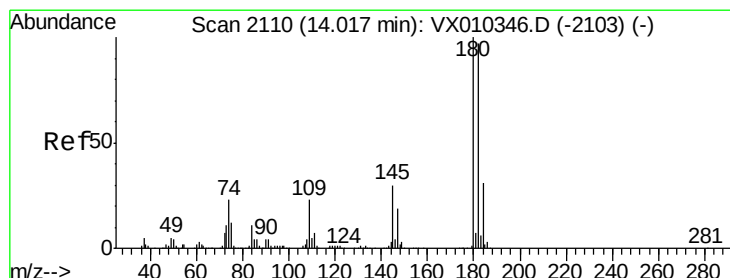
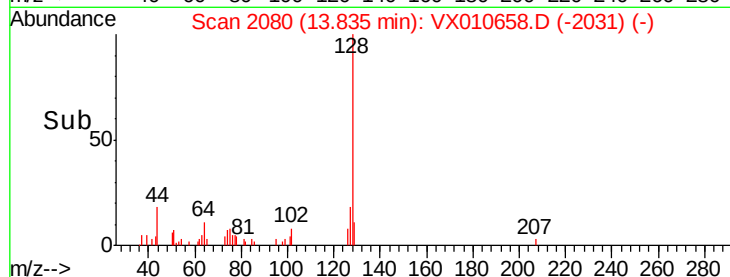
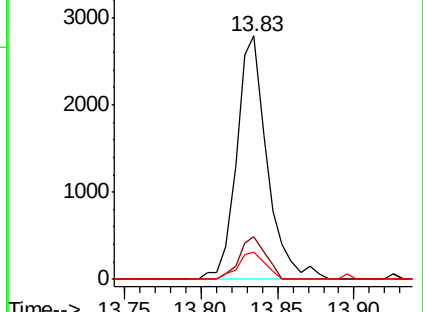
129 10.0 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.380 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010658.D

Acq: 03 Jul 2019 22:15

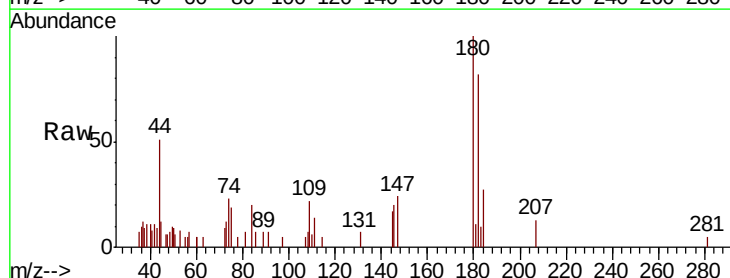
Tgt Ion:180 Resp: 1385

Ion Ratio Lower Upper

180 100

182 82.4 47.8 143.3

145 33.6 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

