

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052919\
 Data File : VX009946.D
 Acq On : 29 May 2019 17:36
 Operator : JC/SP
 Sample : PB120132TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB120132TB

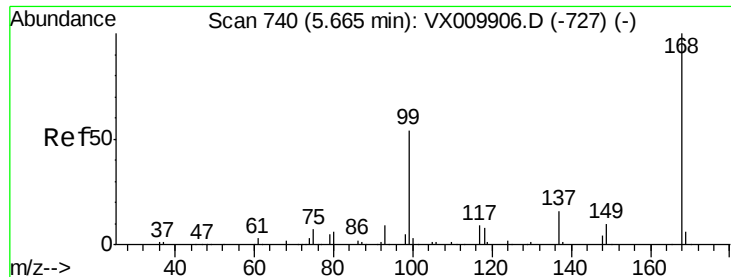
Quant Time: May 30 01:16:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	170685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	276248	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111341	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	116902	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
35) Dibromofluoromethane	5.50	113	85866	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
50) Toluene-d8	8.71	98	356724	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	11.13	95	123020	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	307	0.200	ug/l	92
6) Chloroethane	1.71	64	354	0.228	ug/l #	49
11) Tert butyl alcohol	3.04	59	185	0.312	ug/l	99
13) Acrolein	2.27	56	163	21.452	ug/l #	29
16) Acetone	2.44	43	11595	8.323	ug/l	93
17) Carbon Disulfide	2.57	76	436	0.467	ug/l #	39
18) Methyl Acetate	2.78	43	1124	0.347	ug/l #	69
20) Methylene Chloride	2.85	84	1325	0.621	ug/l #	89
25) 2-Butanone	4.68	43	2337	1.077	ug/l	95
29) Tetrahydrofuran	5.14	42	2117	1.521	ug/l	95
31) Cyclohexane	5.66	56	4289	1.169	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13843	4.939	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16109	6.651	ug/l #	18
43) Isopropyl Acetate	6.45	43	12936	2.053	ug/l	98
48) Methyl methacrylate	7.68	41	7027	2.253	ug/l #	20
49) 1,4-Dioxane	7.79	88	21	0.362	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	90589	22.099	ug/l #	52
54) cis-1,3-Dichloropropene	8.62	75	37553	10.727	ug/l #	60
57) 1,3-Dichloropropane	9.54	76	9377	2.570	ug/l #	44
59) 2-Hexanone	9.44	43	12547	3.976	ug/l #	27
65) Chlorobenzene	10.14	112	1160	0.217	ug/l #	88
74) N-amyl acetate	10.69	43	15461	3.150	ug/l #	57
76) 1,2,3-Trichloropropane	11.13	75	65251	24.507	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.51	105	6746	0.975	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	65251	60.635	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.97	75	552	0.765	ug/l #	4

(#) = 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: VX009946.D

Acq: 29 May 2019 17:36

Instrument :

MSVOA_X

ClientSampleId :

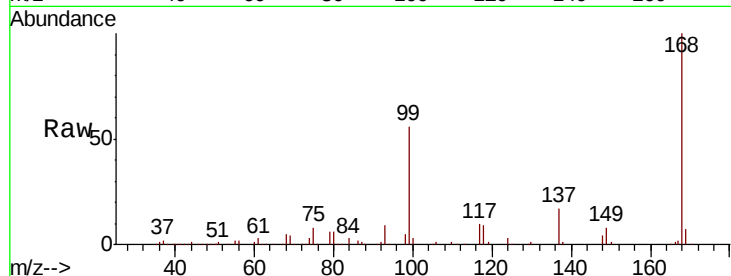
PB120132TB

Tot Ion:168 Resp: 170685

Ion Ratio Lower Upper

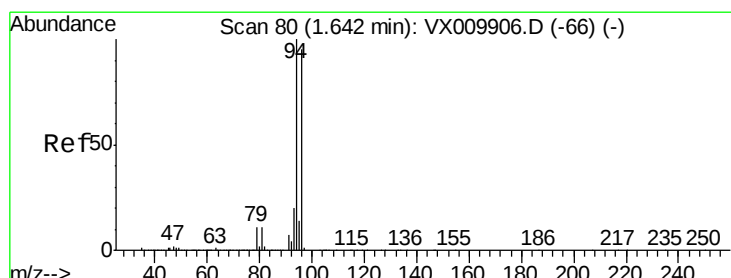
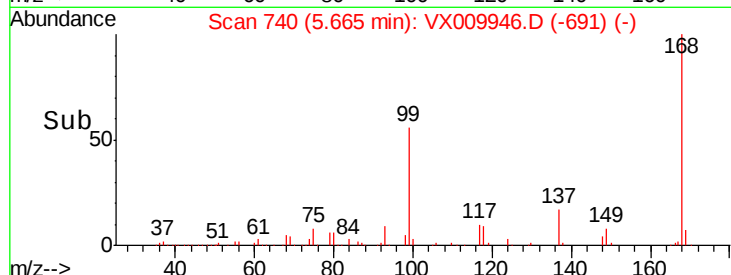
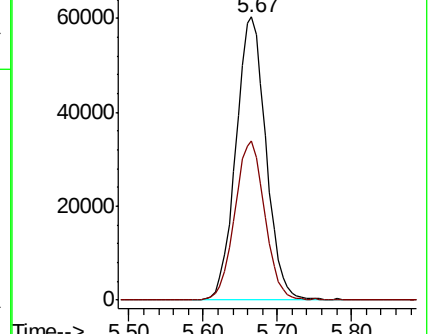
168 100

99 56.1 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.200 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX009946.D

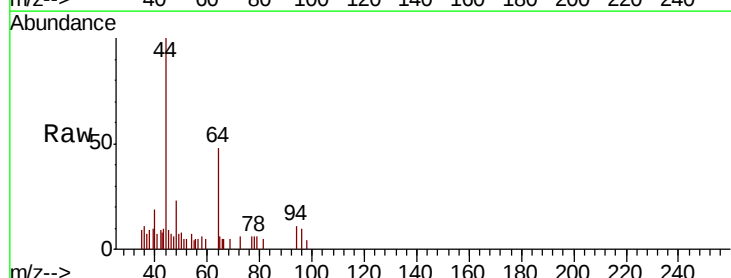
Acq: 29 May 2019 17:36

Tgt Ion: 94 Resp: 307

Ion Ratio Lower Upper

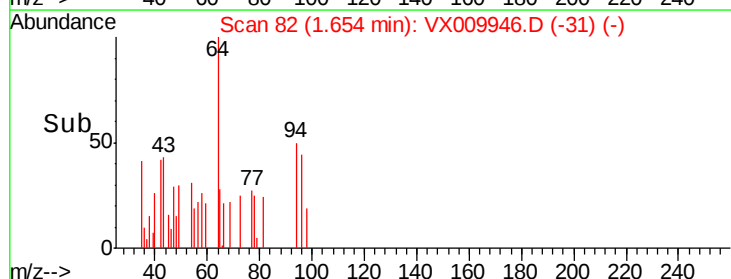
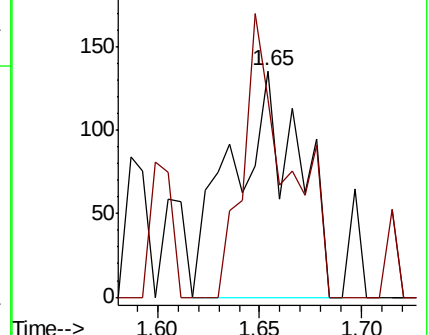
94 100

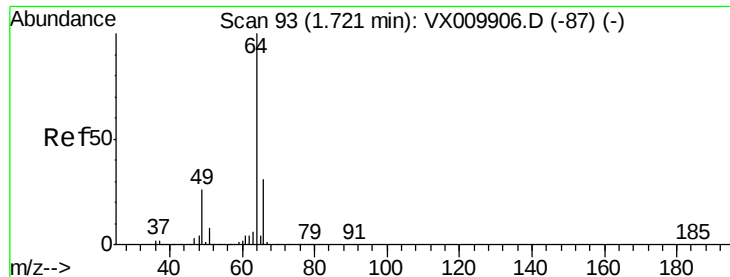
96 87.5 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.228 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009946.D

Acq: 29 May 2019 17:36

Instrument :

MSVOA_X

ClientSampleId :

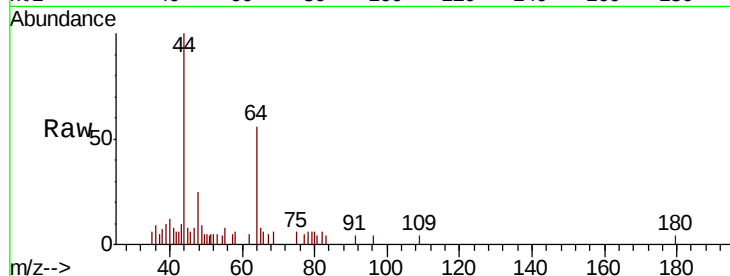
PB120132TB

Tot Ion: 64 Resp: 354

Ion Ratio Lower Upper

64 100

66 3.2 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

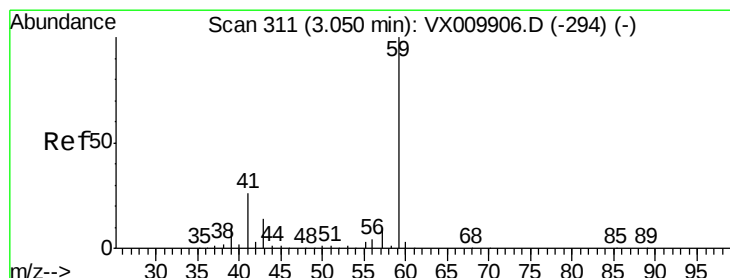
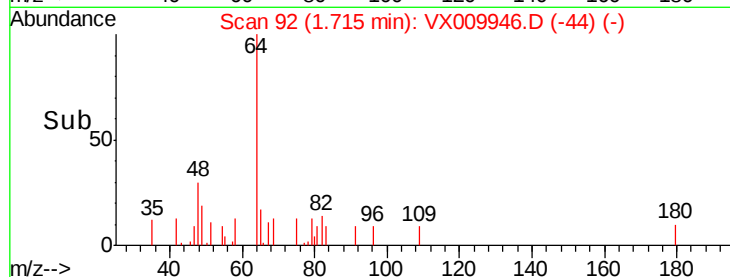
600

400

200

0

Time-->



#11

Tert butyl alcohol

Concen: 0.312 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX009946.D

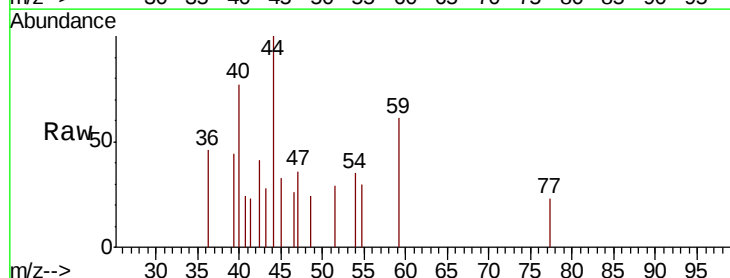
Acq: 29 May 2019 17:36

Tgt Ion: 59 Resp: 185

Ion Ratio Lower Upper

59 100

57 9.7 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.04

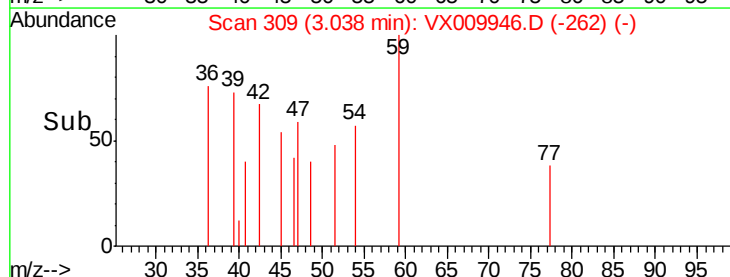
150

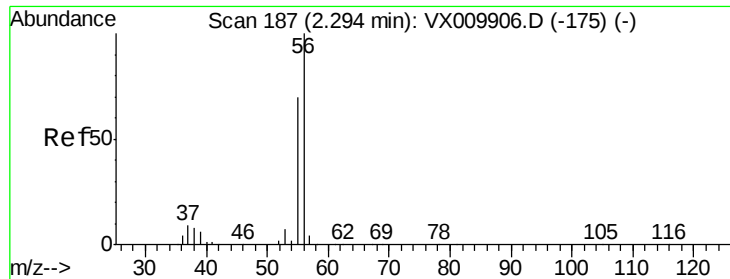
100

50

0

Time-->





#13

Acrolein

Concen: 21.452 ug/l

RT: 2.27 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX009946.D

Acq: 29 May 2019 17:36

Instrument :

MSVOA_X

ClientSampled :

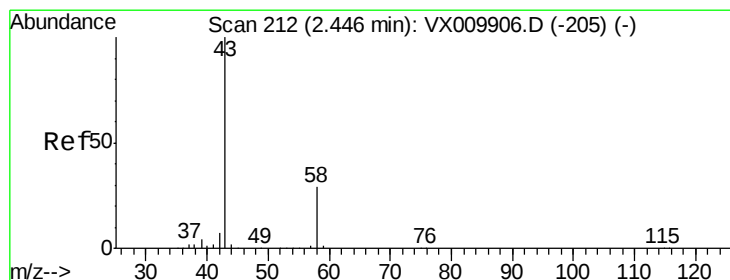
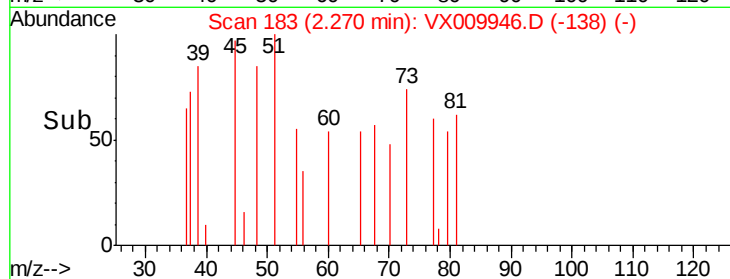
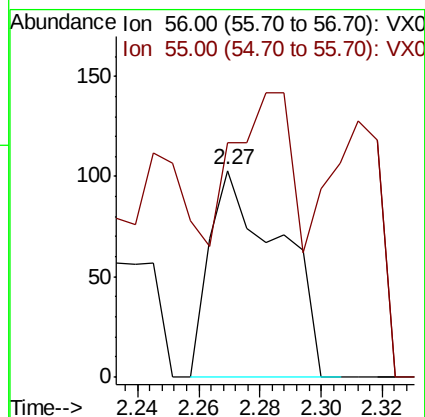
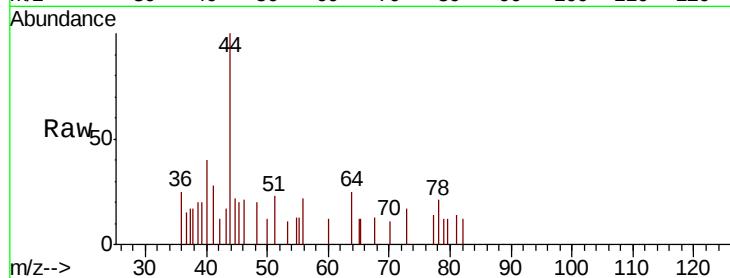
PB120132TB

Tot Ion: 56 Resp: 163

Ion Ratio Lower Upper

56 100

55 130.1 57.0 85.4#



#16

Acetone

Concen: 8.323 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009946.D

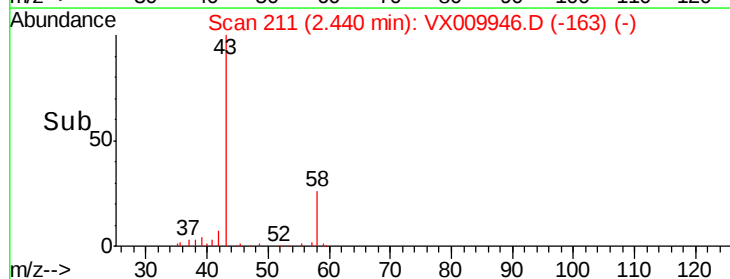
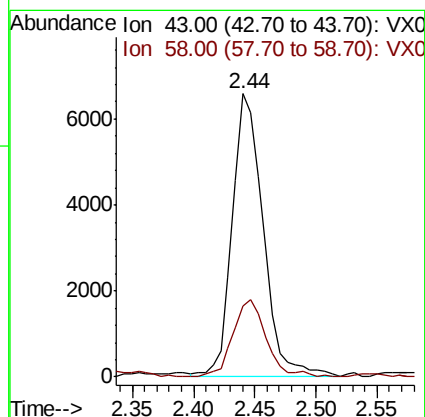
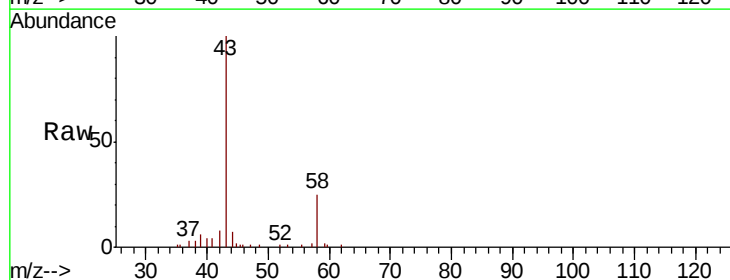
Acq: 29 May 2019 17:36

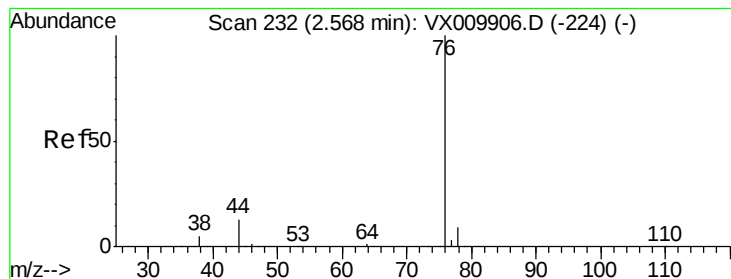
Tgt Ion: 43 Resp: 11595

Ion Ratio Lower Upper

43 100

58 25.1 23.2 34.8





#17

Carbon Disulfide

Concen: 0.467 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009946.D

Acq: 29 May 2019 17:36

Instrument :

MSVOA_X

ClientSampled :

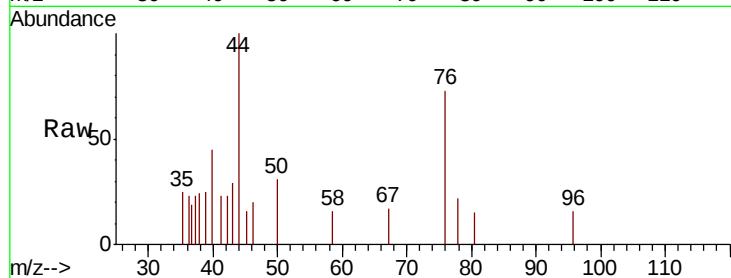
PB120132TB

Tot Ion: 76 Resp: 436

Ion Ratio Lower Upper

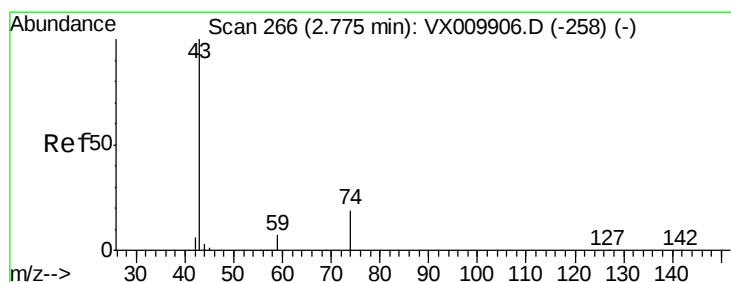
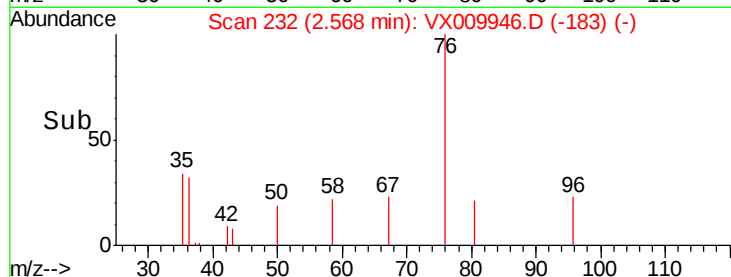
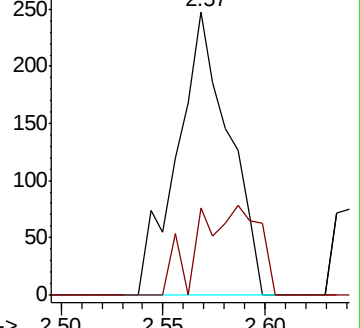
76 100

78 30.6 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.347 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX009946.D

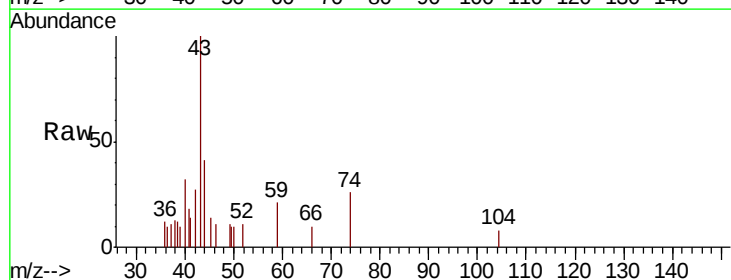
Acq: 29 May 2019 17:36

Tgt Ion: 43 Resp: 1124

Ion Ratio Lower Upper

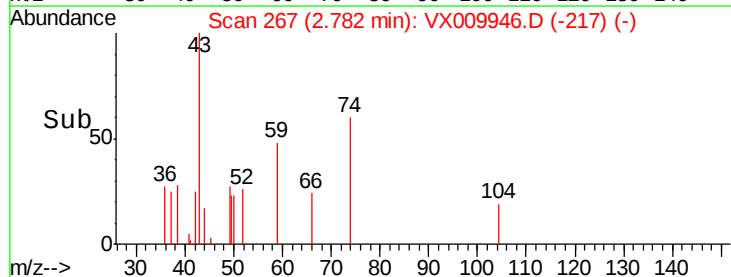
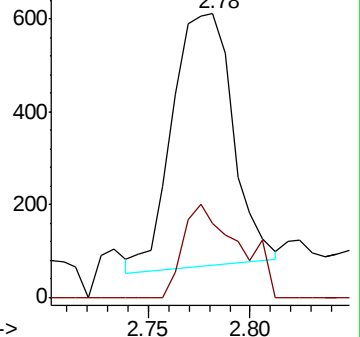
43 100

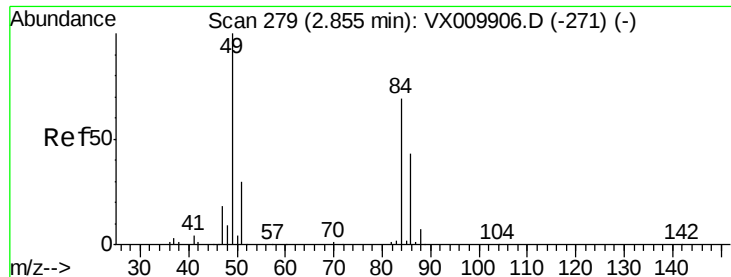
74 33.7 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 0.621 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX009946.D

Acq: 29 May 2019 17:36

Instrument :

MSVOA_X

ClientSampleID :

PB120132TB

Tot Ion: 84 Resp: 1325

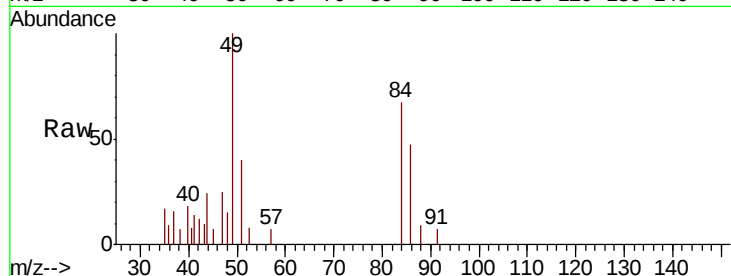
Ion Ratio Lower Upper

84 100

49 136.3 115.8 173.6

51 59.2 34.4 51.6#

86 70.2 49.7 74.5

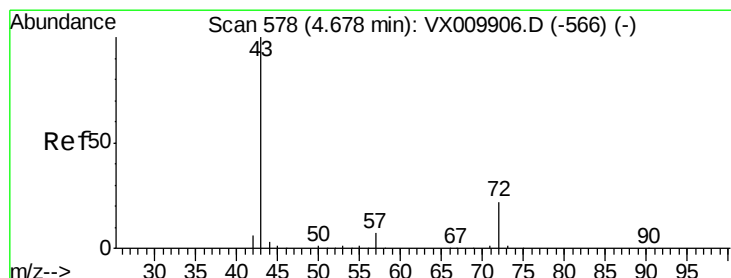
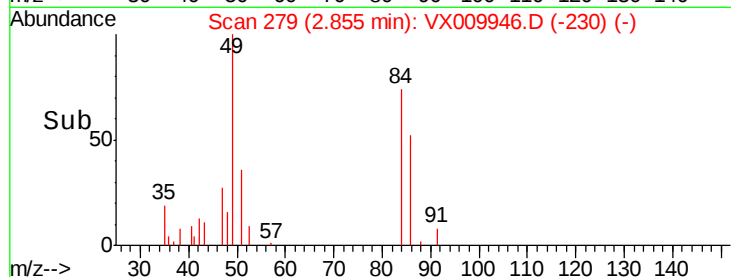
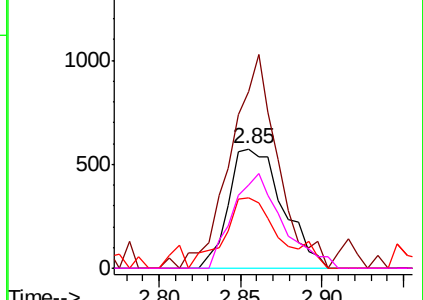


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 1.077 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX009946.D

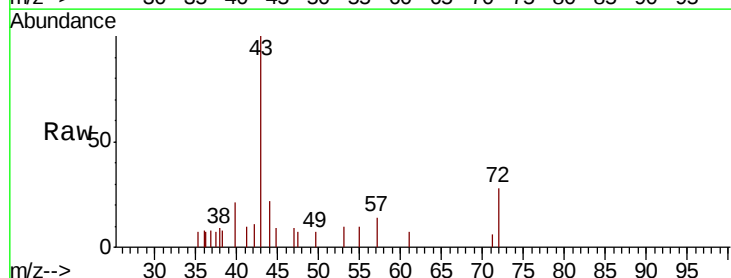
Acq: 29 May 2019 17:36

Tgt Ion: 43 Resp: 2337

Ion Ratio Lower Upper

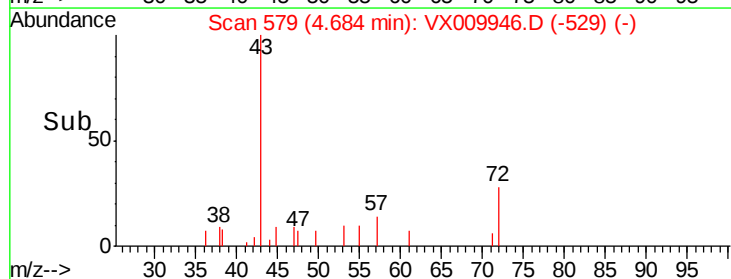
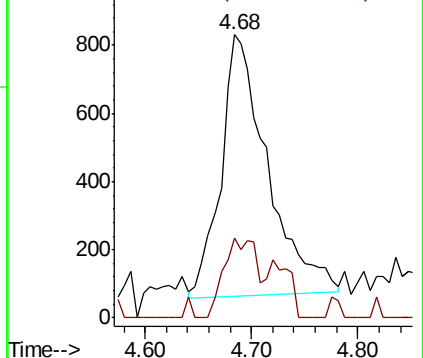
43 100

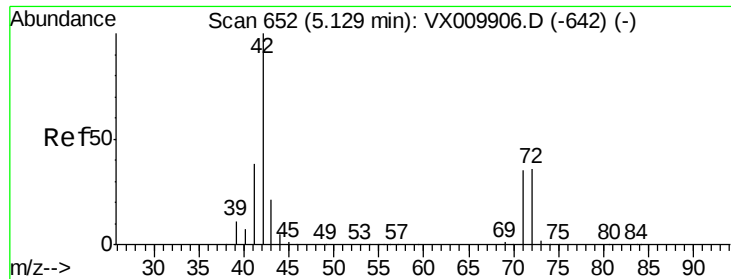
72 24.4 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

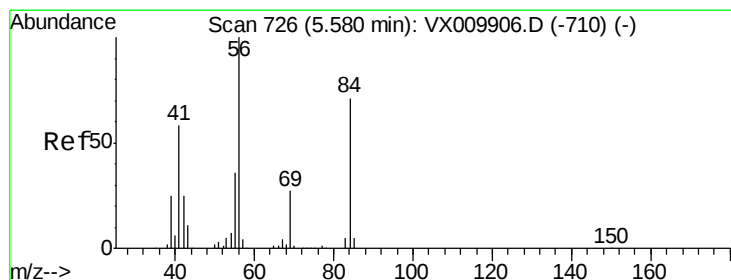
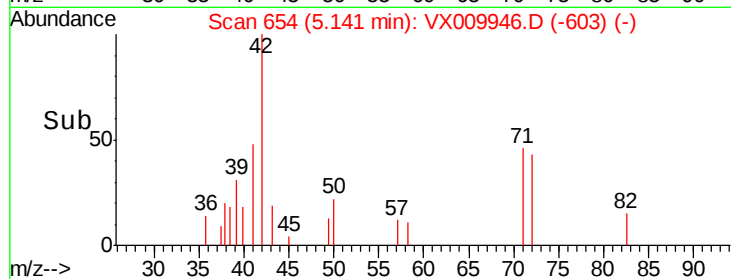
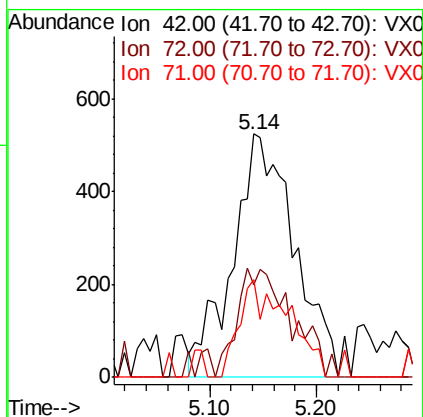
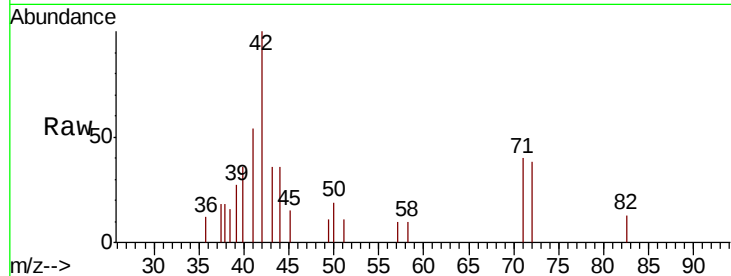




#29
Tetrahydrofuran
Concen: 1.521 ug/l
RT: 5.14 min Scan# 654
Delta R.T. 0.01 min
Lab File: VX009946.D
Acq: 29 May 2019 17:36

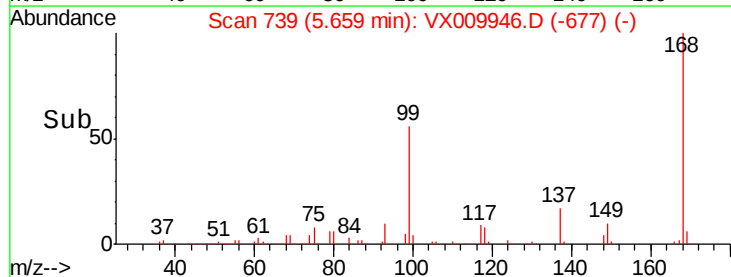
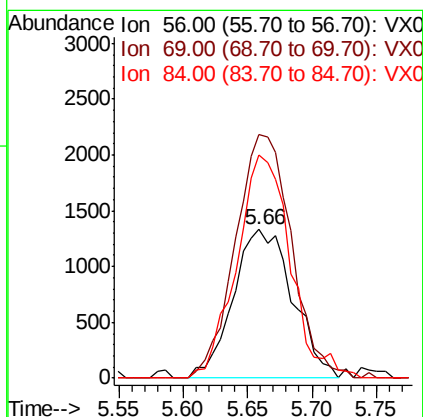
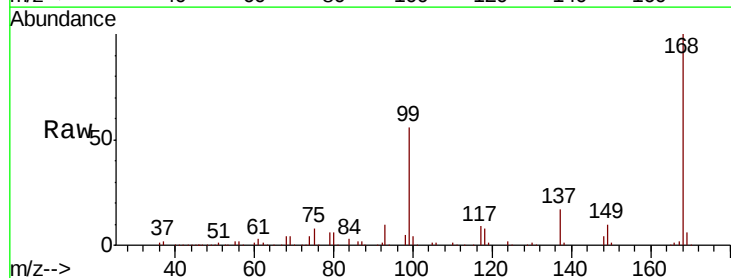
Instrument :
MSVOA_X
ClientSampleId :
PB120132TB

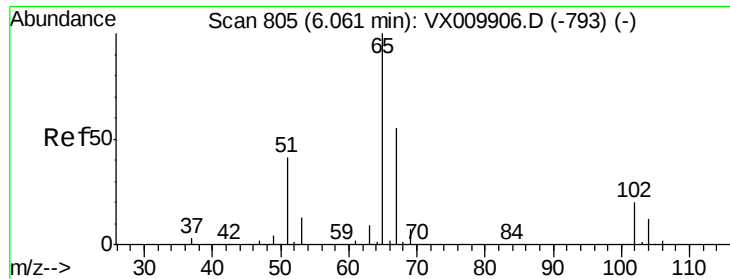
Tot Ion: 42 Resp: 2117
Ion Ratio Lower Upper
42 100
72 39.9 29.2 43.8
71 32.2 27.6 41.4



#31
Cyclohexane
Concen: 1.169 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009946.D
Acq: 29 May 2019 17:36

Tgt Ion: 56 Resp: 4289
Ion Ratio Lower Upper
56 100
69 163.6 21.6 32.4#
84 149.9 56.8 85.2#





#33

1,2-Dichloroethane-d4

Concen: 48.485 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009946.D

Acq: 29 May 2019 17:36

Instrument :

MSVOA_X

ClientSampleId :

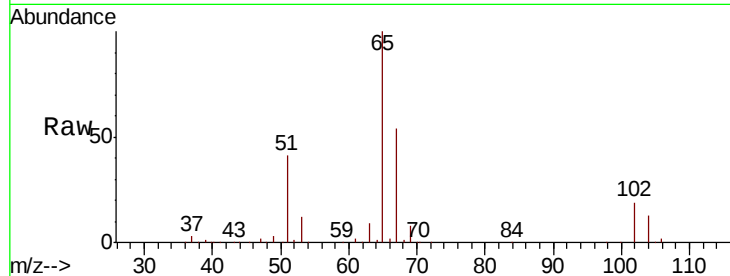
PB120132TB

Tot Ion: 65 Resp: 116902

Ion Ratio Lower Upper

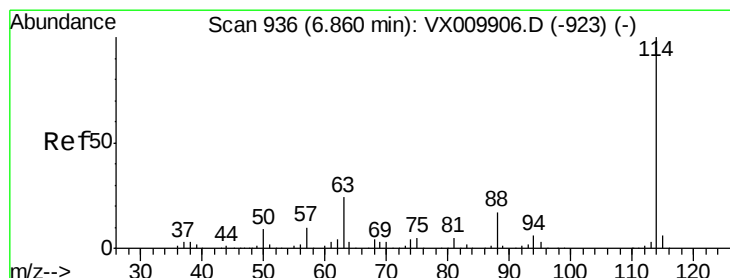
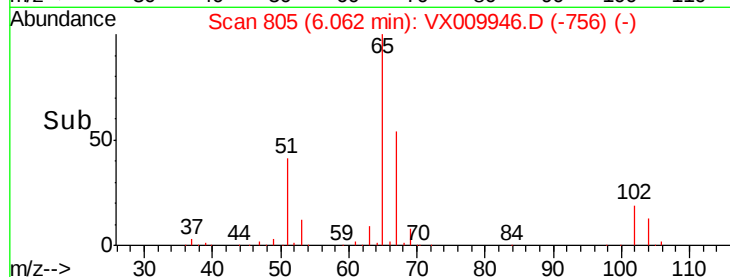
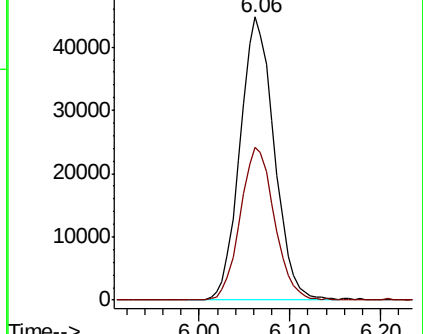
65 100

67 54.3 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009946.D

Acq: 29 May 2019 17:36

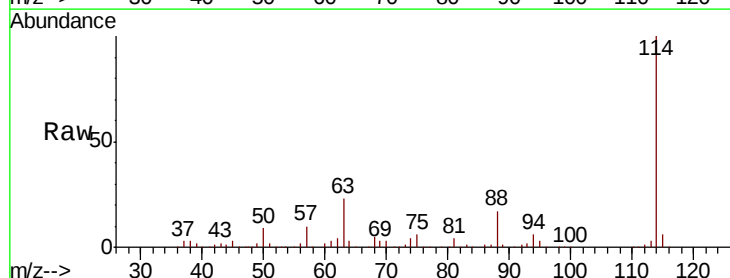
Tgt Ion: 114 Resp: 276248

Ion Ratio Lower Upper

114 100

63 22.8 0.0 47.4

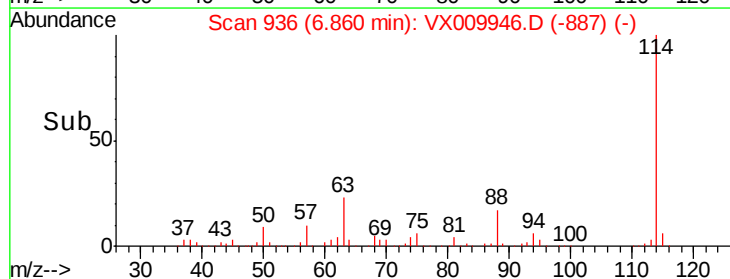
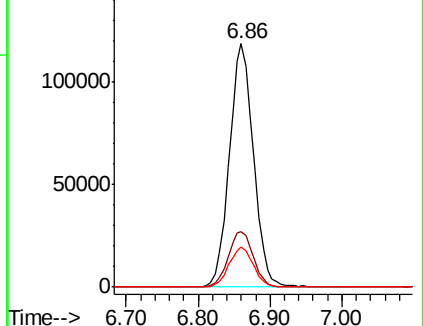
88 16.6 0.0 33.0

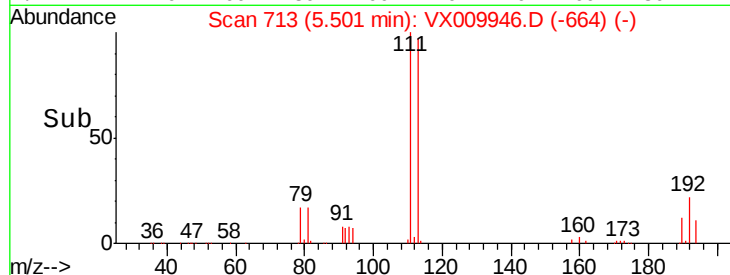
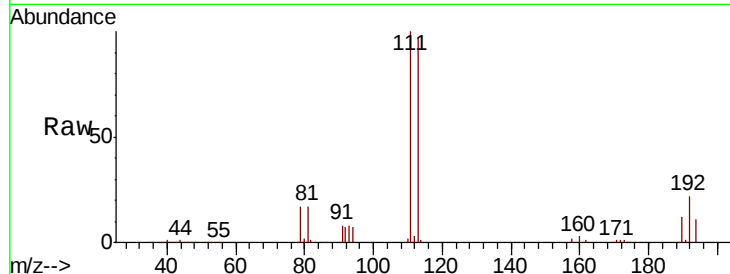
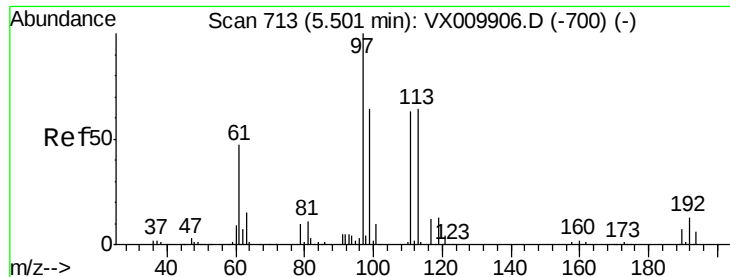


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

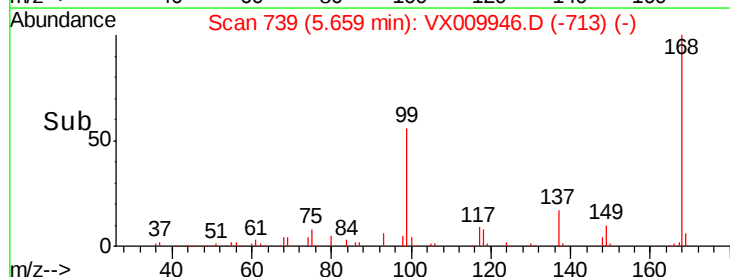
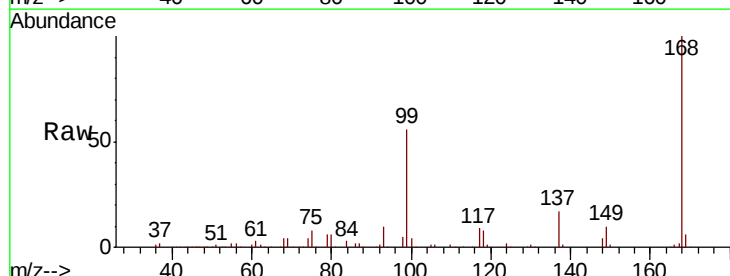
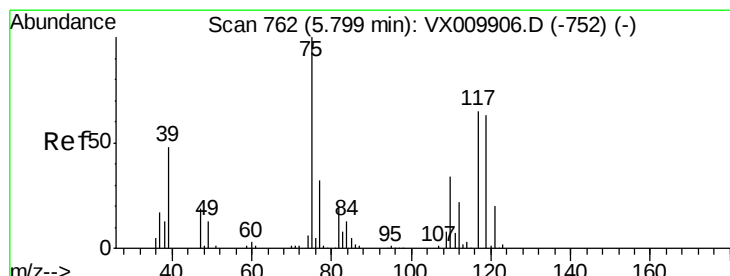
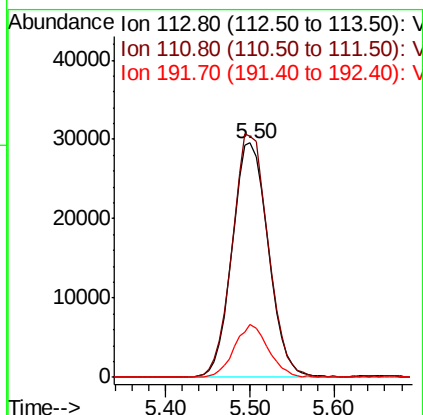




#35
Dibromofluoromethane
Concen: 49.440 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX009946.D
Acq: 29 May 2019 17:36

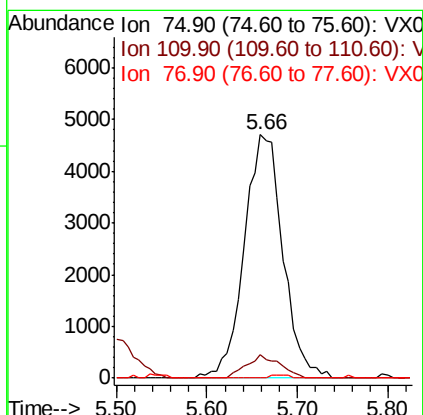
Instrument :
MSVOA_X
ClientSampleId :
PB120132TB

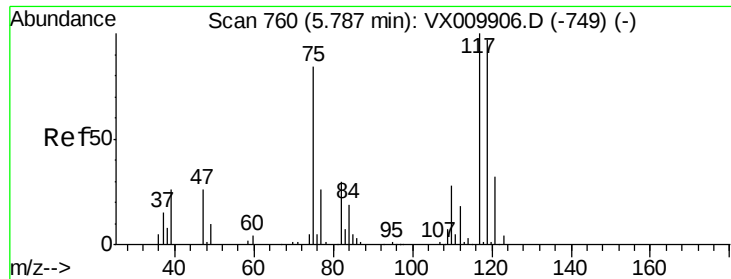
Tot Ion:113 Resp: 85866
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 21.2 17.1 25.7



#36
1,1-Dichloropropene
Concen: 4.939 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX009946.D
Acq: 29 May 2019 17:36

Tgt Ion: 75 Resp: 13843
Ion Ratio Lower Upper
75 100
110 8.2 16.7 50.1#
77 0.6 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.651 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009946.D

Acq: 29 May 2019 17:36

Instrument :

MSVOA_X

ClientSampled :

PB120132TB

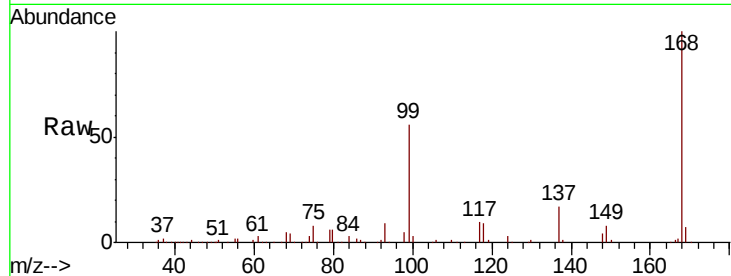
Tot Ion:117 Resp: 16109

Ion Ratio Lower Upper

117 100

119 8.4 77.3 115.9#

121 0.0 25.4 38.0#

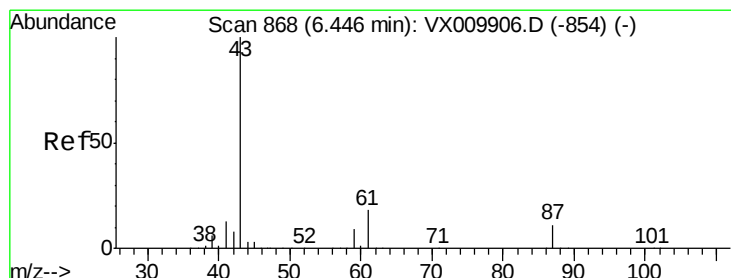
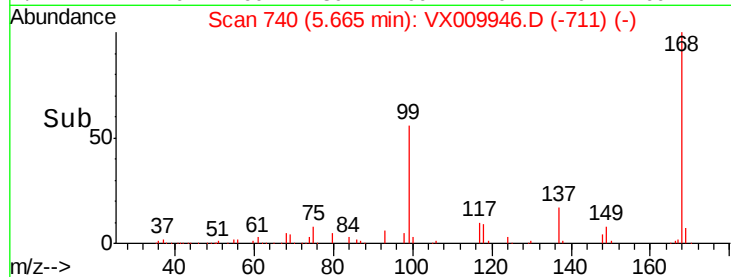
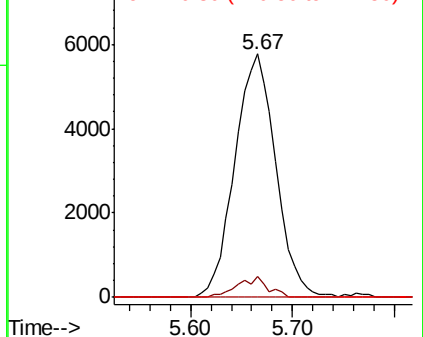


Abundance

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: 2.053 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009946.D

Acq: 29 May 2019 17:36

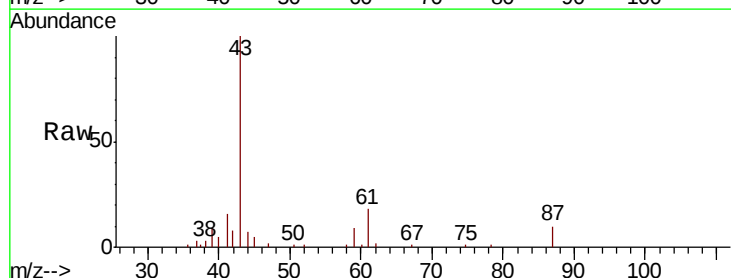
Tgt Ion: 43 Resp: 12936

Ion Ratio Lower Upper

43 100

61 19.2 14.6 21.8

87 10.3 8.7 13.1

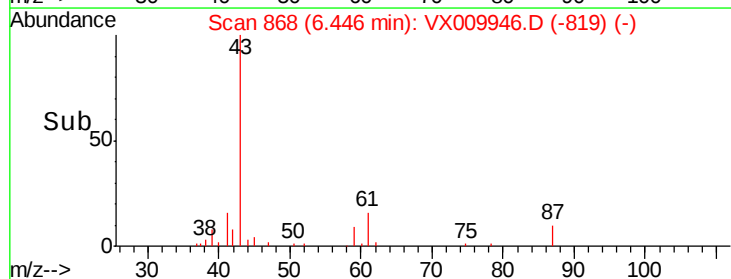
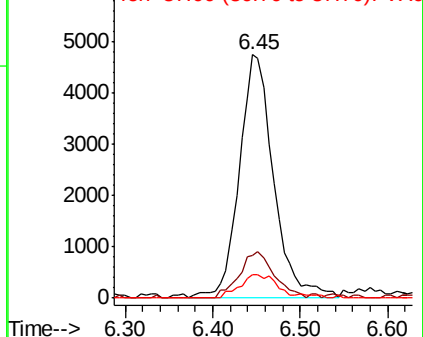


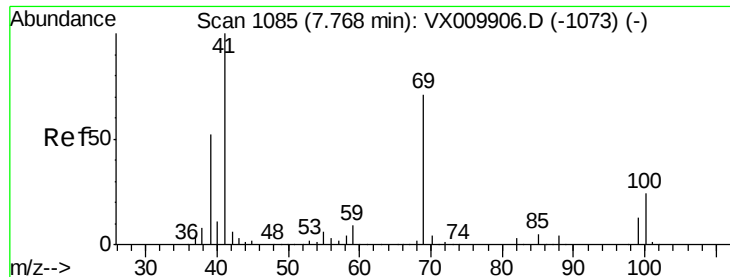
Abundance

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

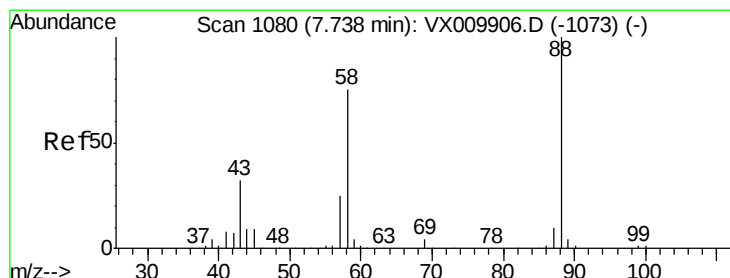
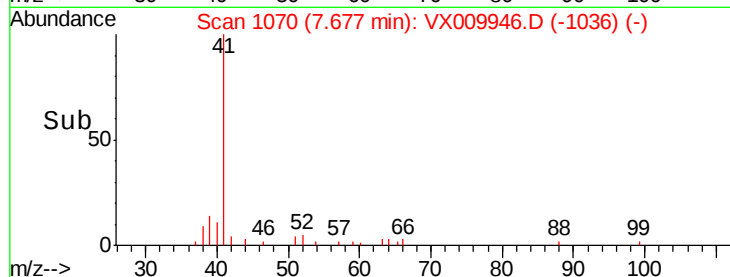
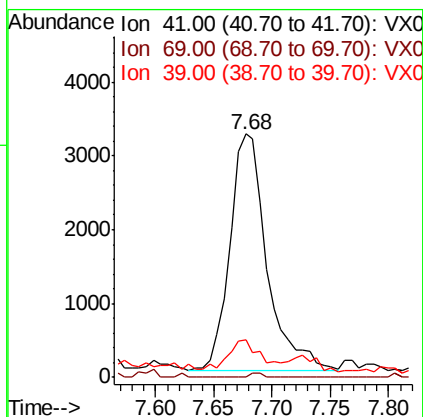
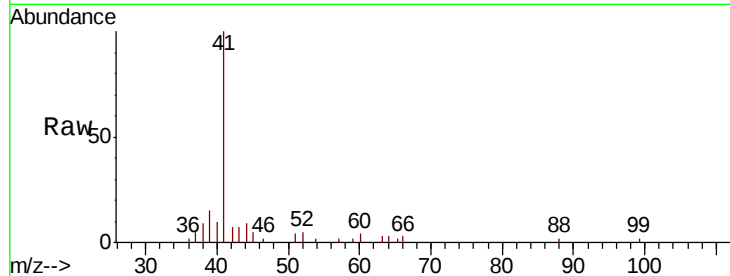




#48
Methvl methacrylate
Concen: 2.253 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX009946.D
Acq: 29 May 2019 17:36

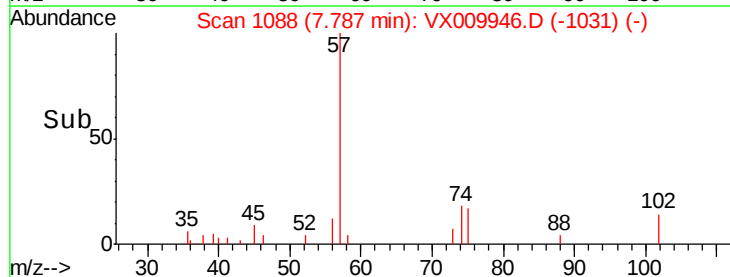
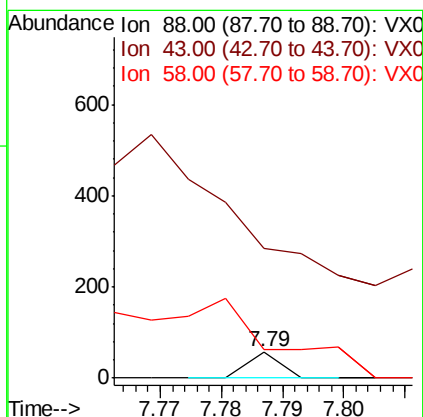
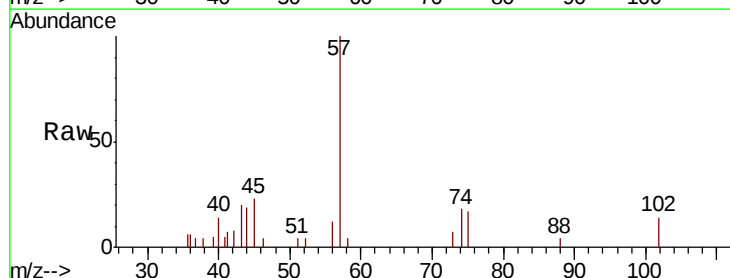
Instrument :
MSVOA_X
ClientSampleId :
PB120132TB

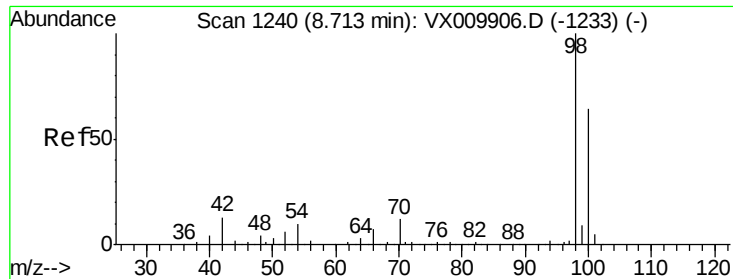
Tot Ion: 41 Resp: 7027
Ion Ratio Lower Upper
41 100
69 0.6 56.4 84.6#
39 0.0 40.6 60.8#



#49
1,4-Dioxane
Concen: 0.362 ug/l
RT: 7.79 min Scan# 1088
Delta R.T. 0.05 min
Lab File: VX009946.D
Acq: 29 May 2019 17:36

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 30.2 45.4#
58 1838.1 64.0 96.0#





#50

Toluene-d8

Concen: 50.580 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009946.D

Acq: 29 May 2019 17:36

Instrument :

MSVOA_X

ClientSampleId :

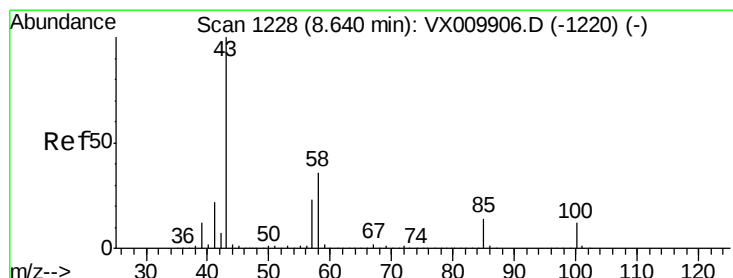
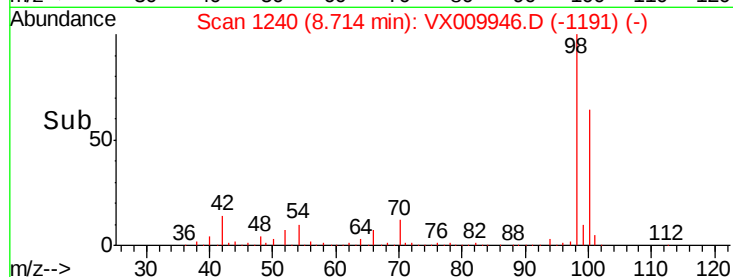
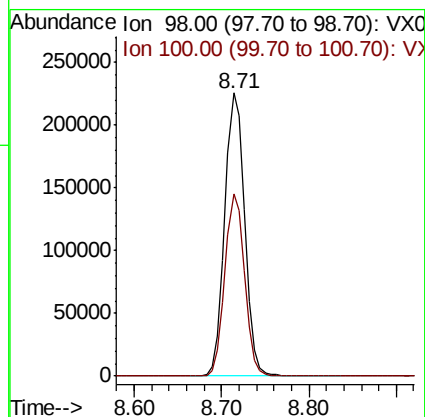
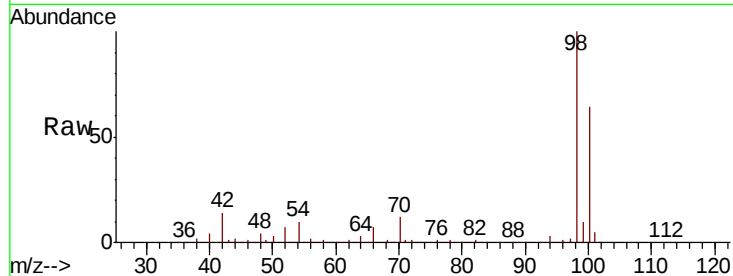
PB120132TB

Tot Ion: 98 Resp: 356724

Ion Ratio Lower Upper

98 100

100 63.9 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 22.099 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX009946.D

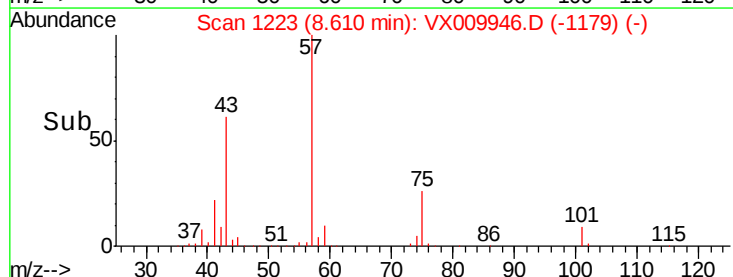
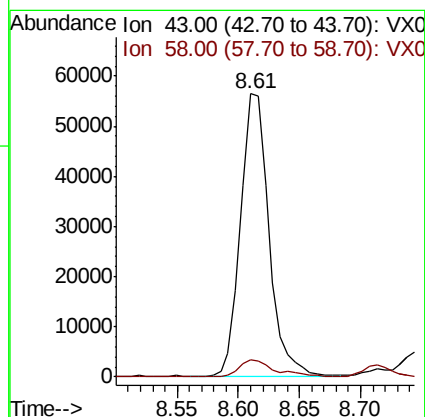
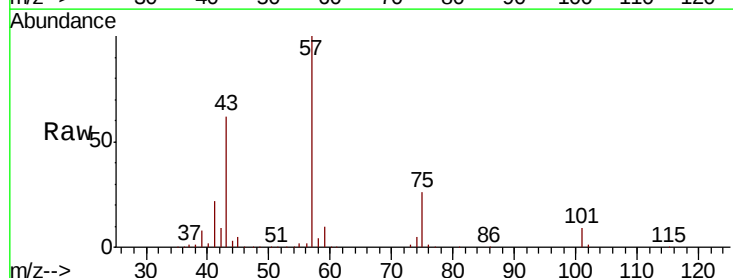
Acq: 29 May 2019 17:36

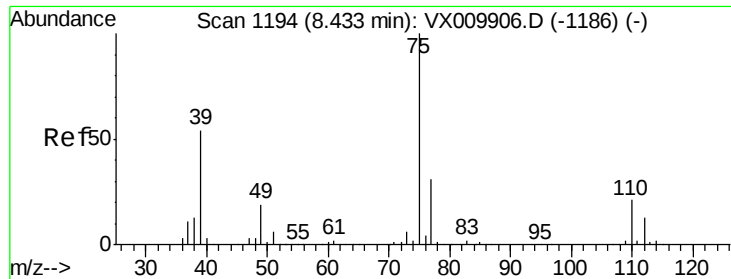
Tgt Ion: 43 Resp: 90589

Ion Ratio Lower Upper

43 100

58 7.5 28.8 43.2#



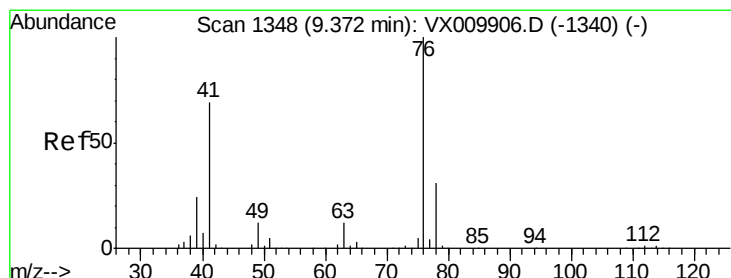
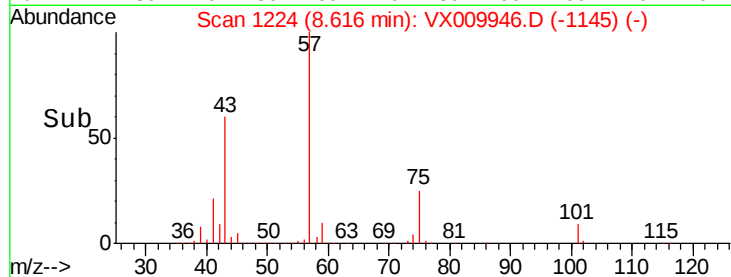
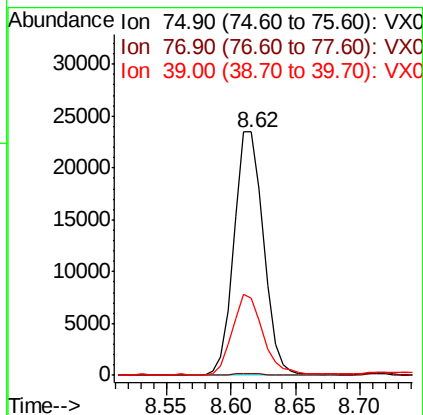
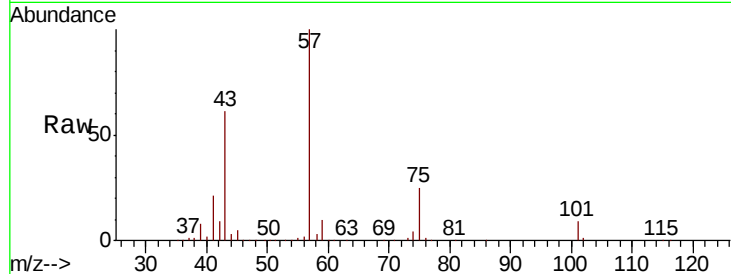


#54

cis-1,3-Dichloropropene
 Concen: 10.727 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. 0.18 min
 Lab File: VX009946.D
 Acq: 29 May 2019 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 PB120132TB

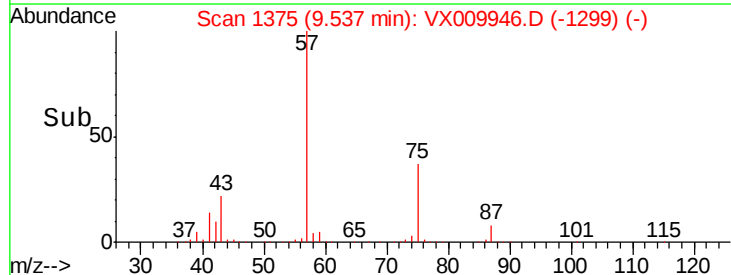
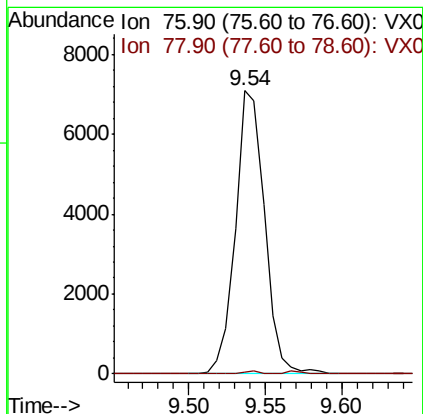
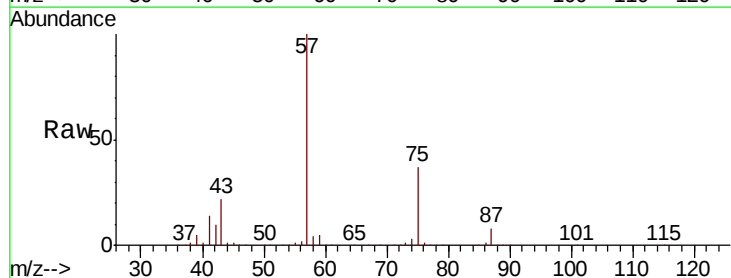
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.7	24.8	37.2#
39	31.1	43.4	65.0#

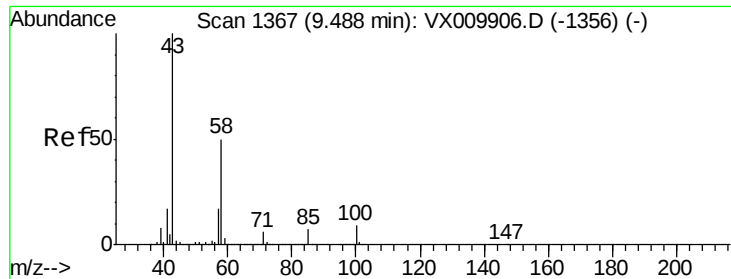


#57

1,3-Dichloropropane
 Concen: 2.570 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.16 min
 Lab File: VX009946.D
 Acq: 29 May 2019 17:36

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.6	25.4	38.0#

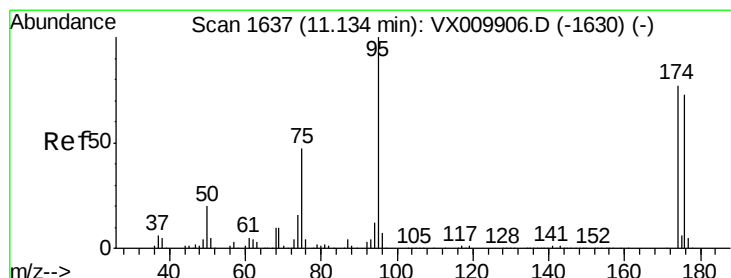
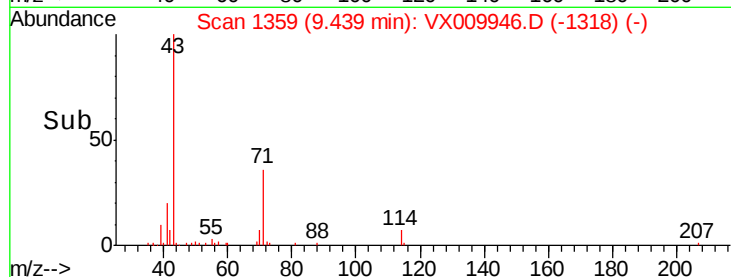
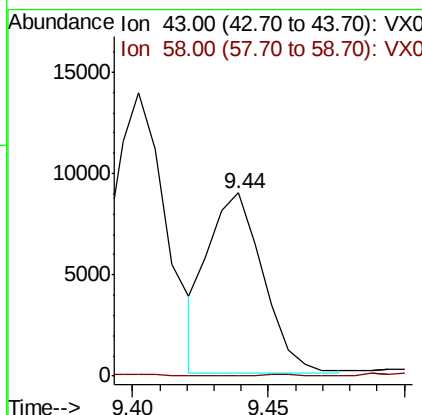
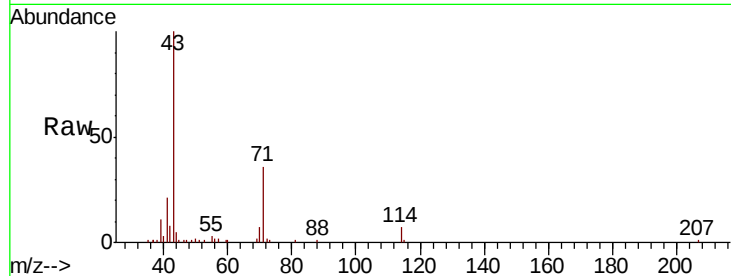




#59
2-Hexanone
Concen: 3.976 ug/l
RT: 9.44 min Scan# 1359
Delta R.T. -0.05 min
Lab File: VX009946.D
Acq: 29 May 2019 17:36

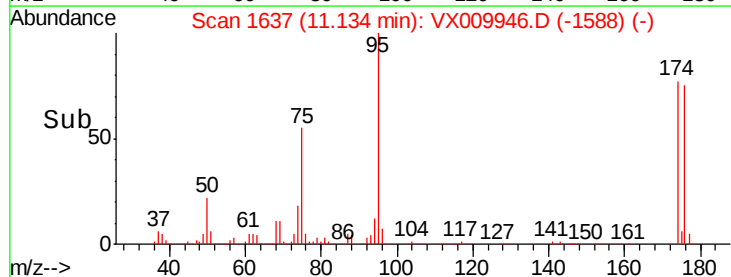
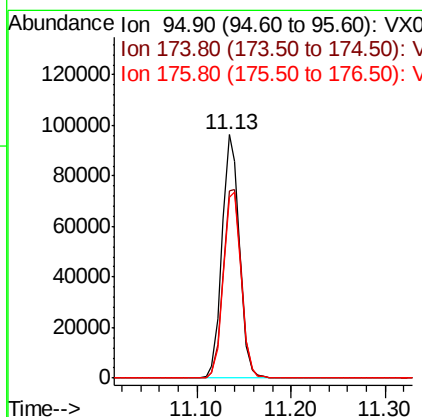
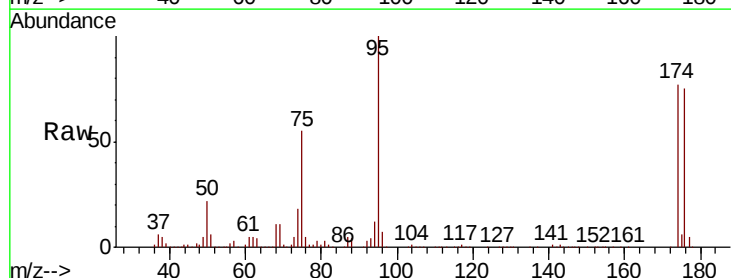
Instrument :
MSVOA_X
ClientSampleId :
PB120132TB

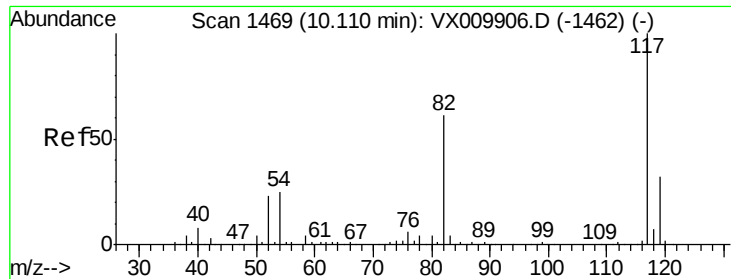
Tot Ion: 43 Resp: 12547
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.3#



#62
4-Bromofluorobenzene
Concen: 48.563 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009946.D
Acq: 29 May 2019 17:36

Tgt Ion: 95 Resp: 123020
Ion Ratio Lower Upper
95 100
174 80.3 0.0 160.4
176 77.8 0.0 154.6

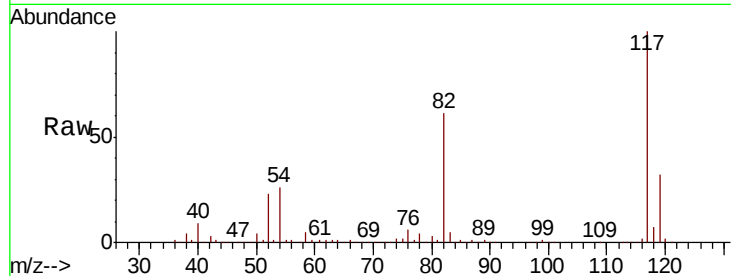




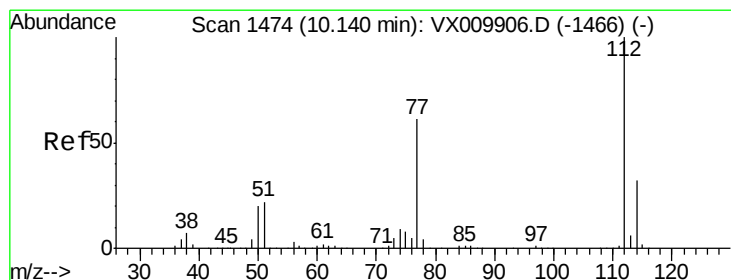
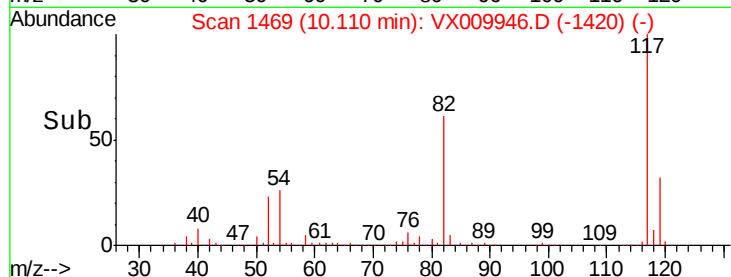
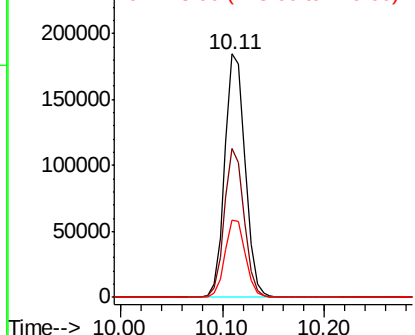
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009946.D
Acq: 29 May 2019 17:36

Instrument :
MSVOA_X
ClientSampleId :
PB120132TB

Tot Ion:117 Resp: 255028
Ion Ratio Lower Upper
117 100
82 61.2 49.2 73.8
119 31.7 25.2 37.8

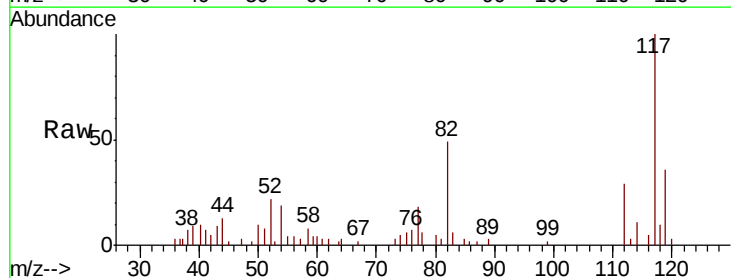


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

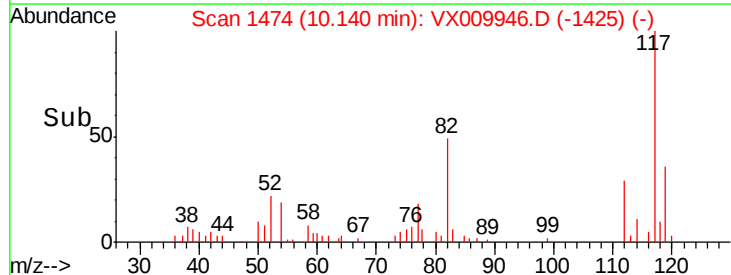
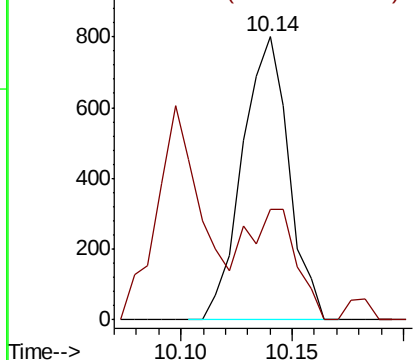


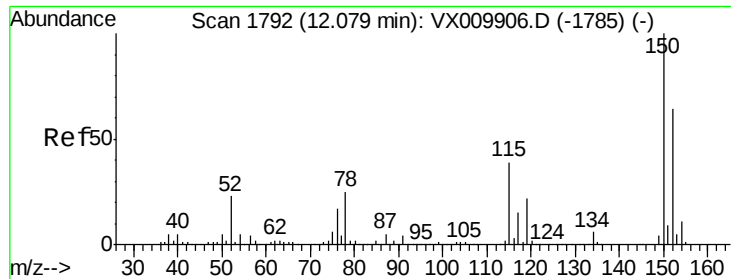
#65
Chlorobenzene
Concen: 0.217 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX009946.D
Acq: 29 May 2019 17:36

Tgt Ion:112 Resp: 1160
Ion Ratio Lower Upper
112 100
114 39.1 25.8 38.8#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009946.D

Acq: 29 May 2019 17:36

Instrument :

MSVOA_X

ClientSampleId :

PB120132TB

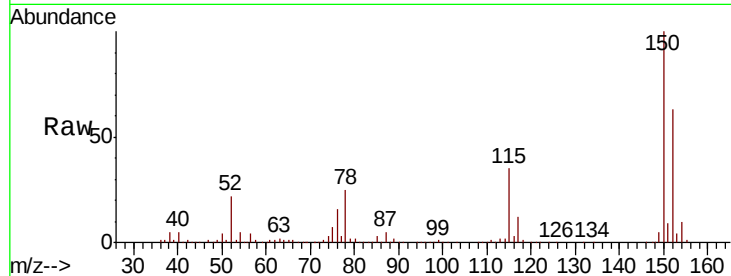
Tot Ion:152 Resp: 111341

Ion Ratio Lower Upper

152 100

115 58.8 41.4 124.2

150 158.8 0.0 345.2

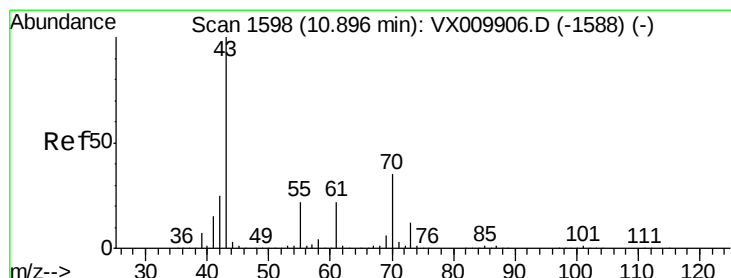
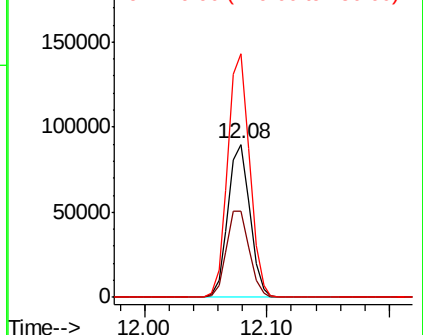
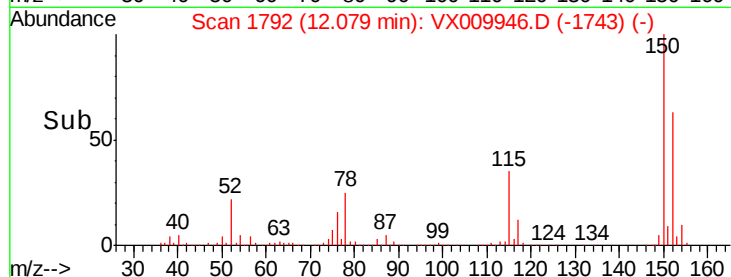


Abundance

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: 3.150 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.20 min

Lab File: VX009946.D

Acq: 29 May 2019 17:36

Tgt Ion: 43 Resp: 15461

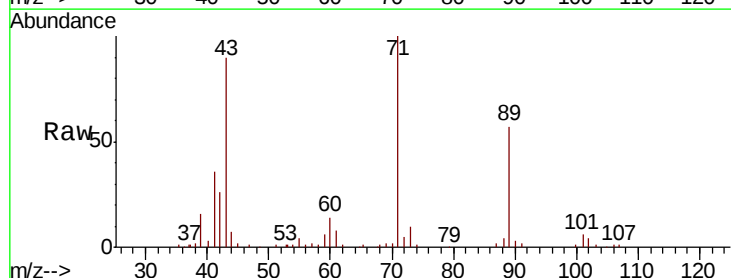
Ion Ratio Lower Upper

43 100

70 2.4 28.6 43.0#

55 4.5 17.8 26.8#

61 10.2 17.7 26.5#



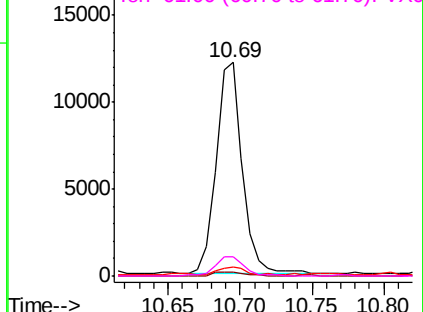
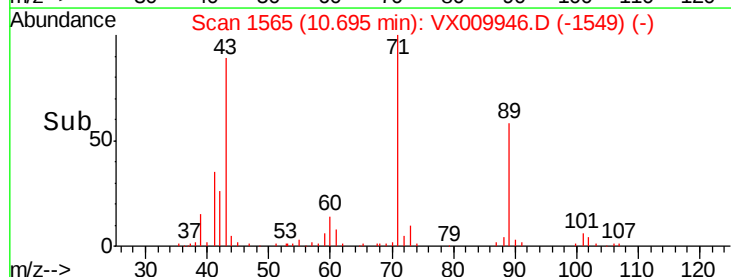
Abundance

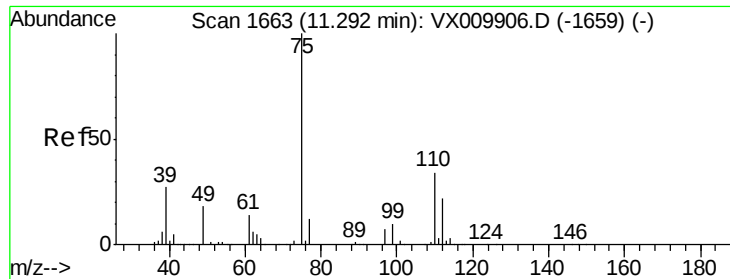
Ion 43.00 (42.70 to 43.70): VX0

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

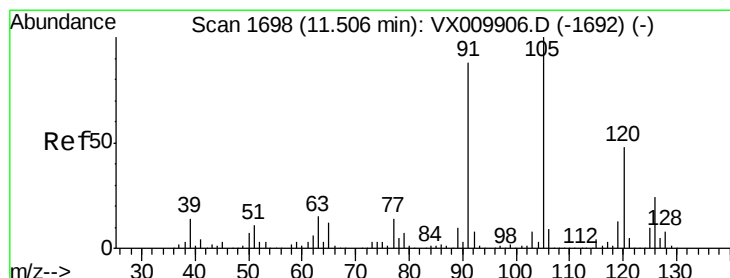
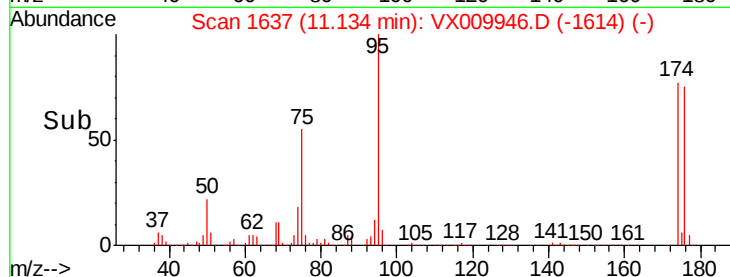
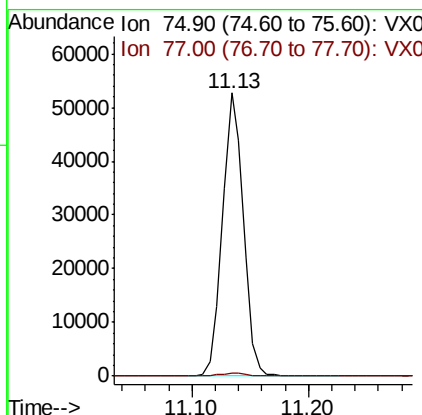
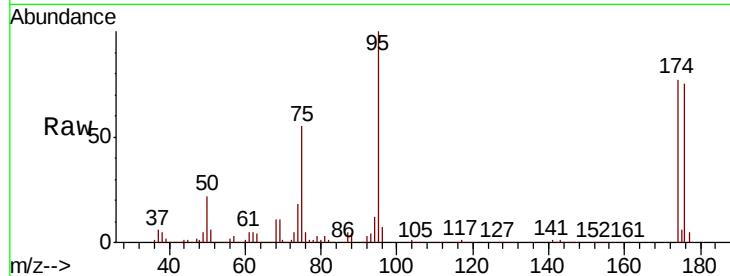




#76
 1,2,3-Trichloropropane
 Concen: 24.507 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009946.D
 Acq: 29 May 2019 17:36

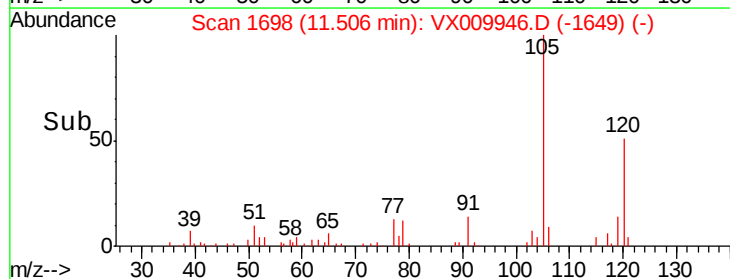
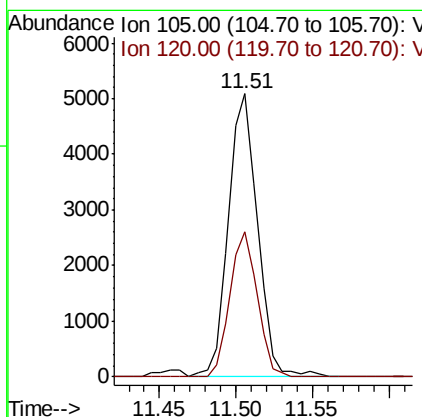
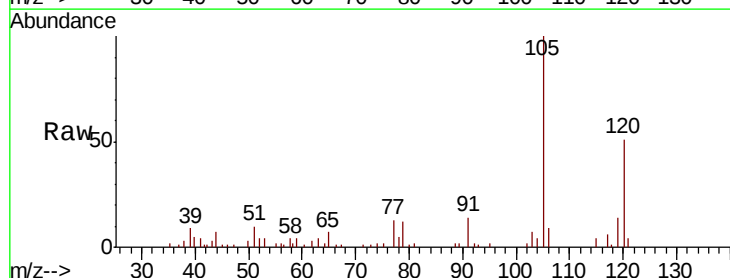
Instrument :
 MSVOA_X
 ClientSampleId :
 PB120132TB

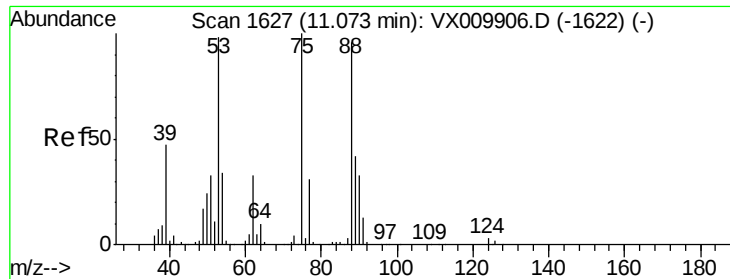
Tot Ion: 75 Resp: 65251
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.975 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009946.D
 Acq: 29 May 2019 17:36

Tgt Ion: 105 Resp: 6746
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 60.635 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009946.D

Acq: 29 May 2019 17:36

Instrument :

MSVOA_X

ClientSampleId :

PB120132TB

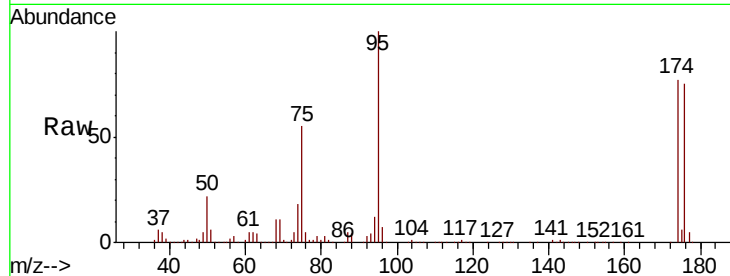
Tot Ion: 75 Resp: 65251

Ion Ratio Lower Upper

75 100

53 0.2 79.8 119.6#

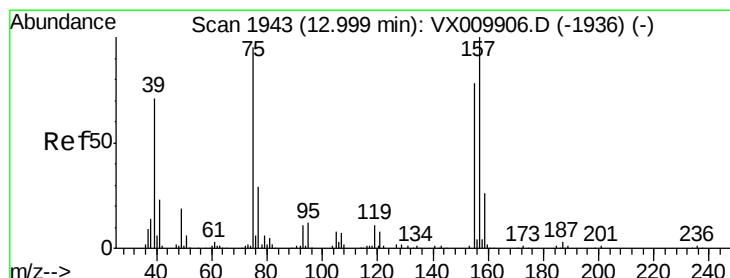
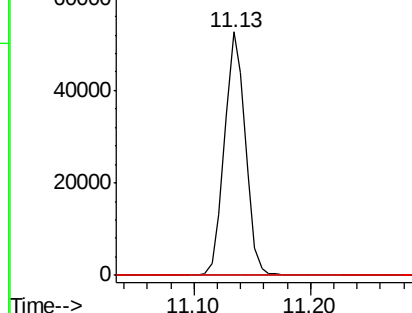
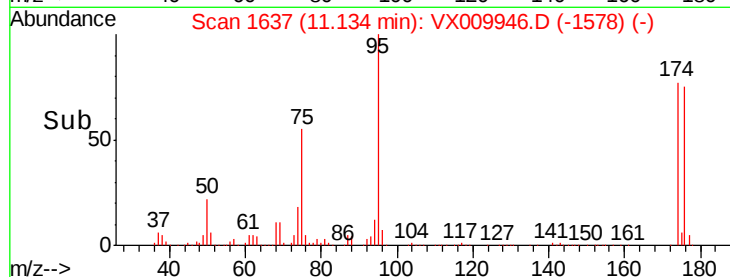
89 0.0 34.2 51.4#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.765 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX009946.D

Acq: 29 May 2019 17:36

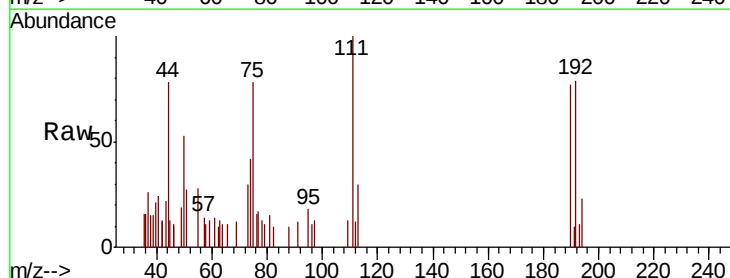
Tgt Ion: 75 Resp: 552

Ion Ratio Lower Upper

75 100

155 0.0 39.3 117.8#

157 0.0 50.6 151.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

