

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090920\
 Data File : VX018325.D
 Acq On : 09 Sep 2020 16:15
 Operator : JC/SP
 Sample : PB131488ZHE#14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131488ZHE#14

Quant Time: Sep 10 07:05:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	439386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	720366	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	703250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	344688	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	321090	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	
35) Dibromofluoromethane	5.46	113	249880	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
50) Toluene-d8	8.70	98	901362	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	11.12	95	330733	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	

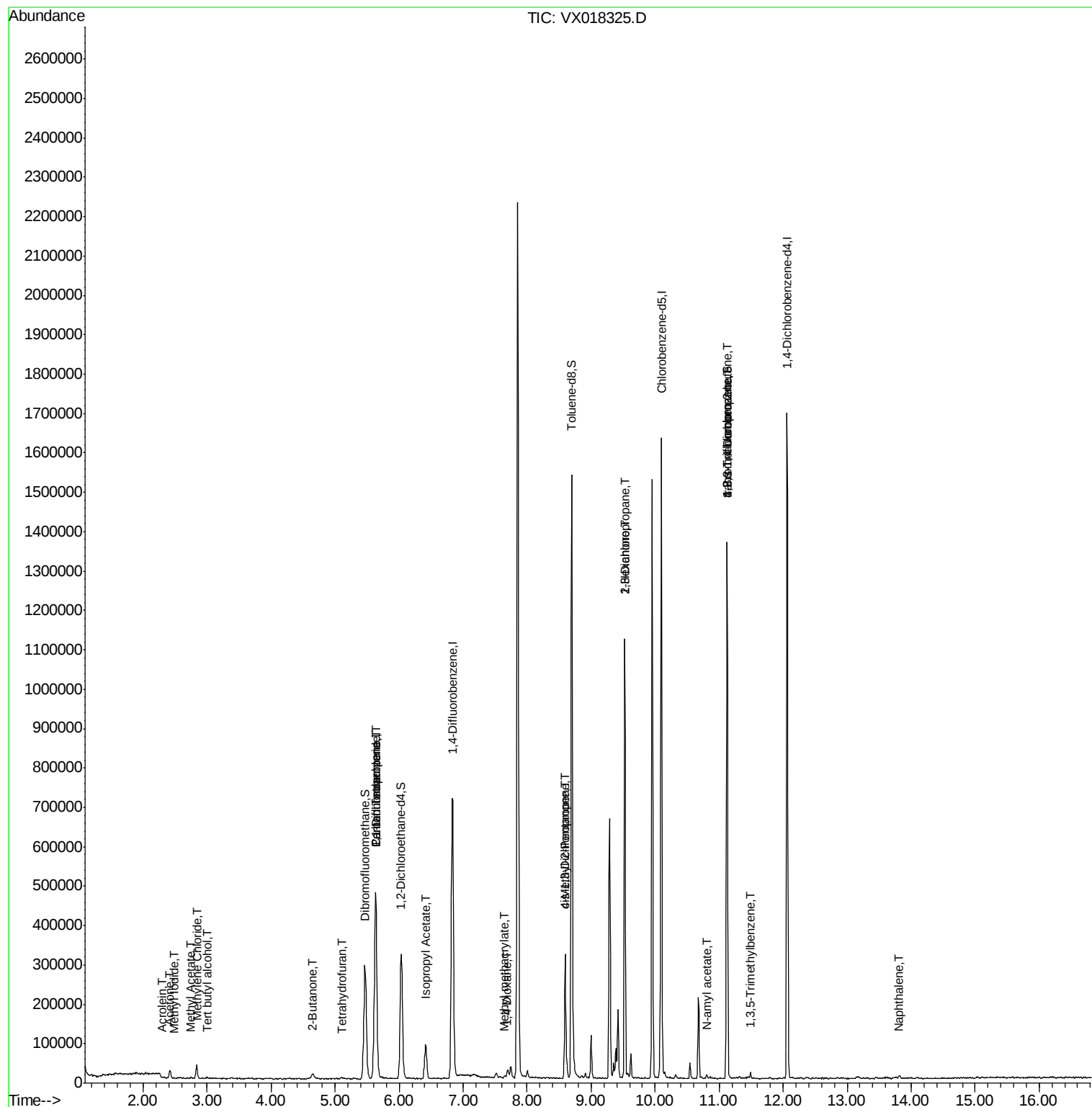
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	303	5.348	ug/l #	74
11) Tert butyl alcohol	3.00	59	2822	2.379	ug/l #	92
13) Acrolein	2.30	56	241	0.490	ug/l #	1
16) Acetone	2.42	43	24613	10.355	ug/l	92
18) Methyl Acetate	2.75	43	5173	0.902	ug/l #	83
20) Methylene Chloride	2.84	84	15374	2.043	ug/l	90
25) 2-Butanone	4.64	43	7714	1.975	ug/l #	59
29) Tetrahydrofuran	5.10	42	1368	0.550	ug/l #	38
36) 1,1-Dichloropropene	5.63	75	33429	5.031	ug/l #	53
38) Carbon Tetrachloride	5.63	117	45790	6.115	ug/l #	18
43) Isopropyl Acetate	6.42	43	117823	9.453	ug/l	99
48) Methyl methacrylate	7.65	41	6162	0.993	ug/l #	16
49) 1,4-Dioxane	7.68	88	133	1.183	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	116780	15.168	ug/l #	48
54) cis-1,3-Dichloropropene	8.60	75	49117	5.662	ug/l #	59
57) 1,3-Dichloropropane	9.52	76	9447	1.085	ug/l #	47
59) 2-Hexanone	9.52	43	126414	21.593	ug/l #	53
74) N-amyl acetate	10.81	43	5141	0.477	ug/l #	56
76) 1,2,3-Trichloropropane	11.12	75	177261	23.118	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	5342	0.286	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	177261	62.437	ug/l #	12
95) Naphthalene	13.82	128	4845	0.213	ug/l #	91

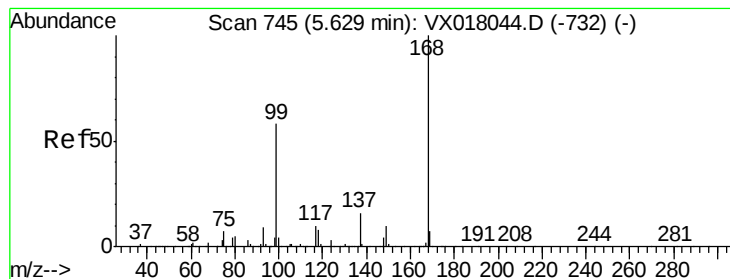
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090920\
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Quant Time: Sep 10 07:05:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018325.D

Acq: 09 Sep 2020 16:15

Instrument :

MSVOA_X

ClientSampleId :

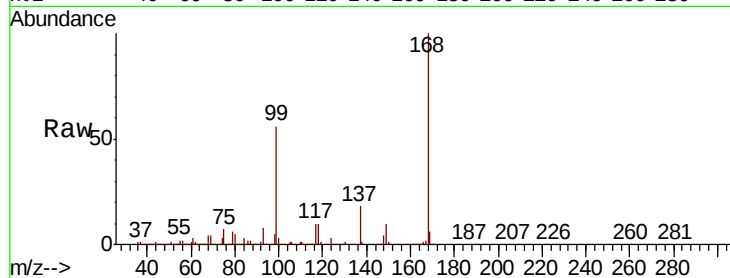
PB131488ZHE#14

Tot Ion:168 Resp: 439386

Ion Ratio Lower Upper

168 100

99 56.2 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

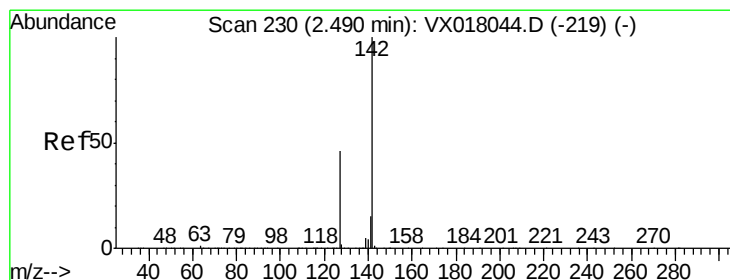
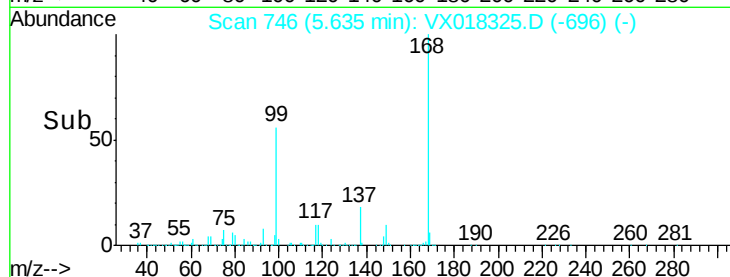
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 5.348 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018325.D

Acq: 09 Sep 2020 16:15

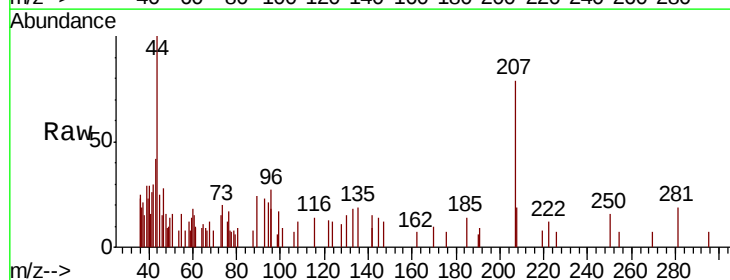
Tgt Ion:142 Resp: 303

Ion Ratio Lower Upper

142 100

127 24.4 37.0 55.6#

141 15.5 11.5 17.3



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

250

200

150

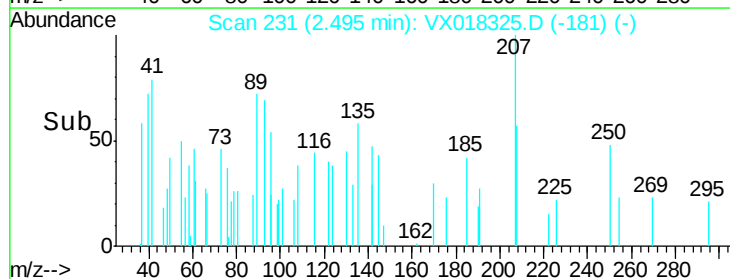
100

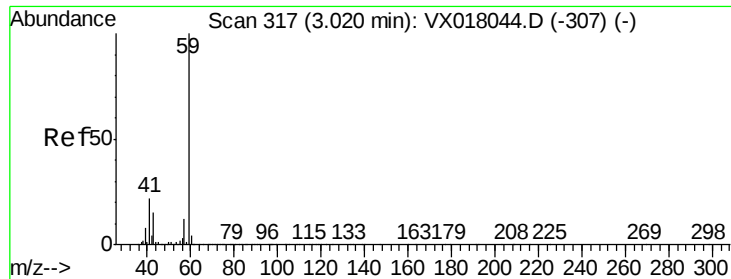
50

0

Time-->

2.45 2.50 2.55

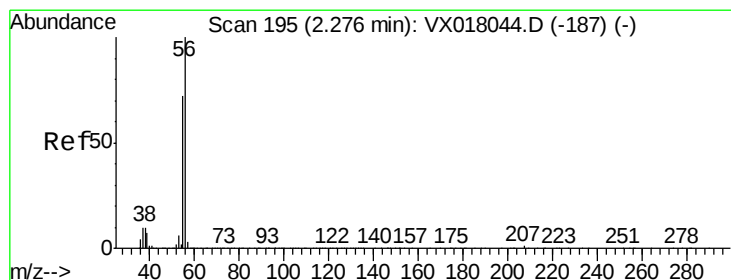
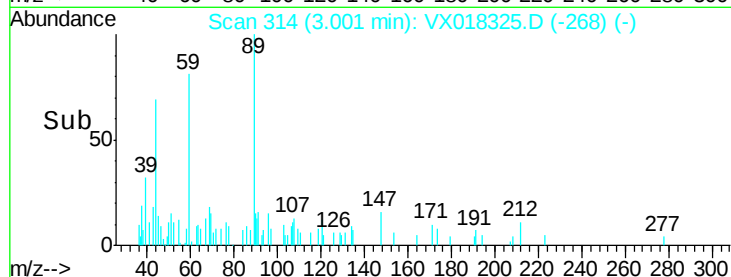
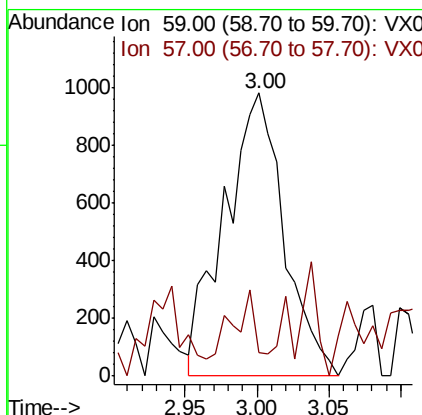
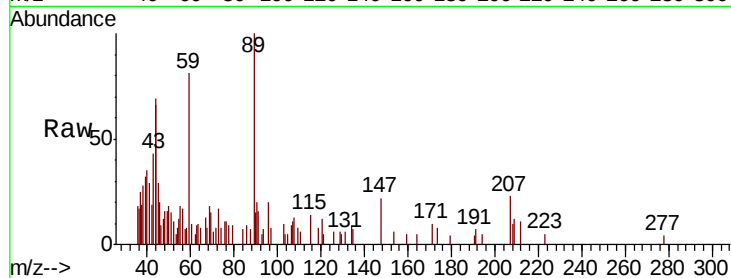




#11
Tert butyl alcohol
Concen: 2.379 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018325.D
Acq: 09 Sep 2020 16:15

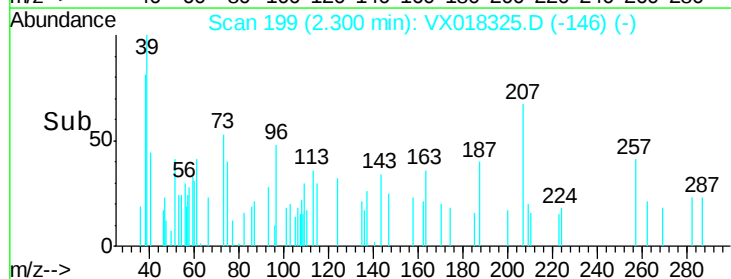
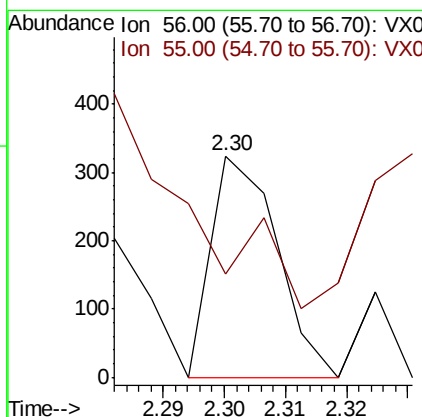
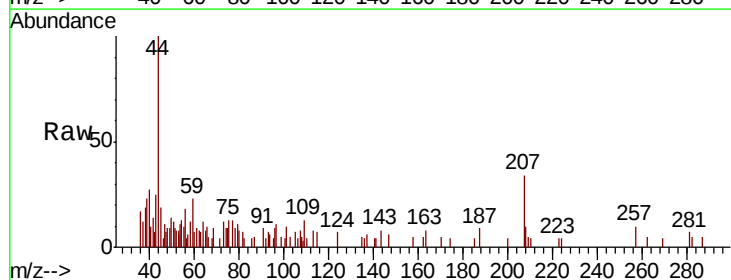
Instrument :
MSVOA_X
ClientSampleId :
PB131488ZHE#14

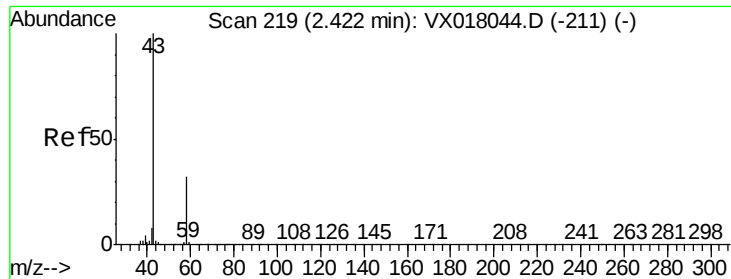
Tot Ion: 59 Resp: 2822
Ion Ratio Lower Upper
59 100
57 14.0 8.9 13.3#



#13
Acrolein
Concen: 0.490 ug/l
RT: 2.30 min Scan# 199
Delta R.T. 0.02 min
Lab File: VX018325.D
Acq: 09 Sep 2020 16:15

Tgt Ion: 56 Resp: 241
Ion Ratio Lower Upper
56 100
55 156.8 57.0 85.6#





#16

Acetone

Concen: 10.355 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018325.D

Acq: 09 Sep 2020 16:15

Instrument :

MSVOA_X

ClientSampleId :

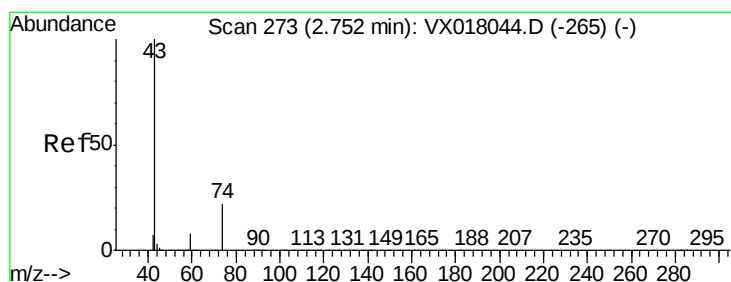
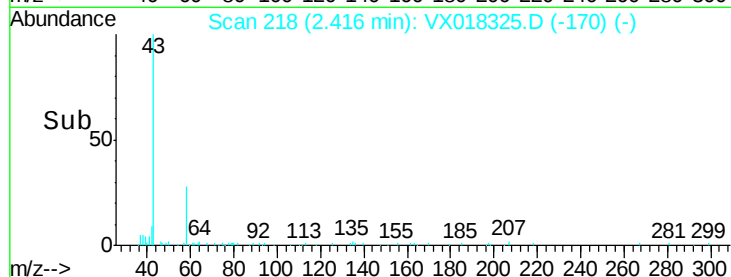
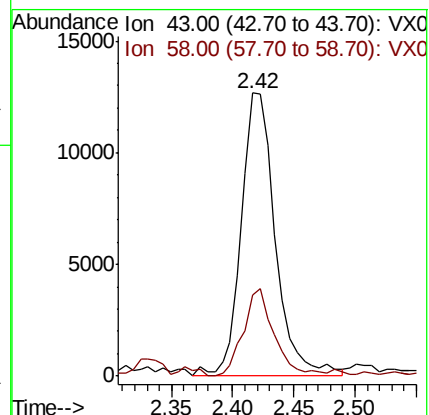
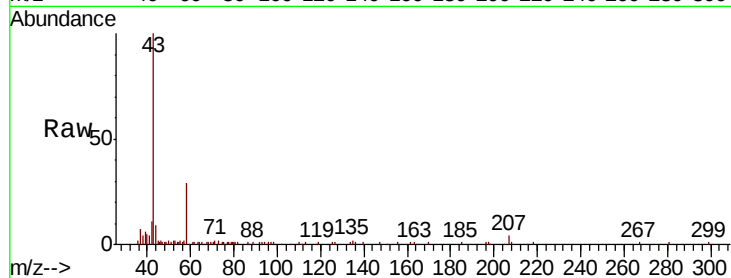
PB131488ZHE#14

Tot Ion: 43 Resp: 24613

Ion Ratio Lower Upper

43 100

58 27.3 25.5 38.3



#18

Methyl Acetate

Concen: 0.902 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX018325.D

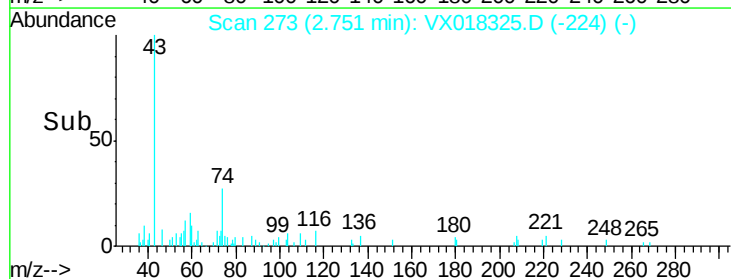
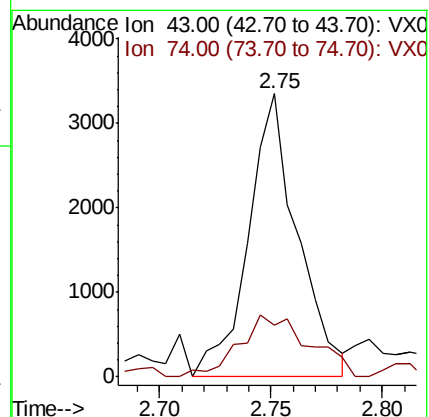
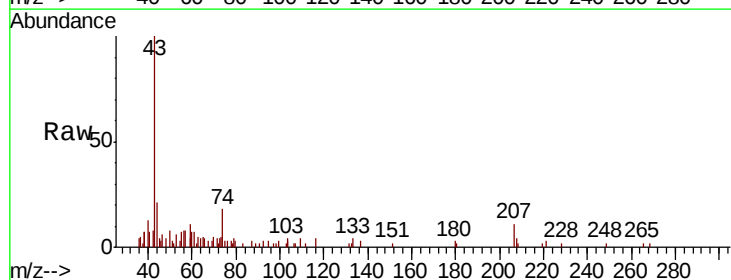
Acq: 09 Sep 2020 16:15

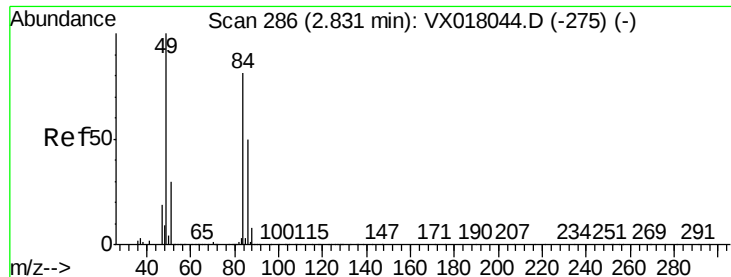
Tgt Ion: 43 Resp: 5173

Ion Ratio Lower Upper

43 100

74 31.2 18.2 27.4#

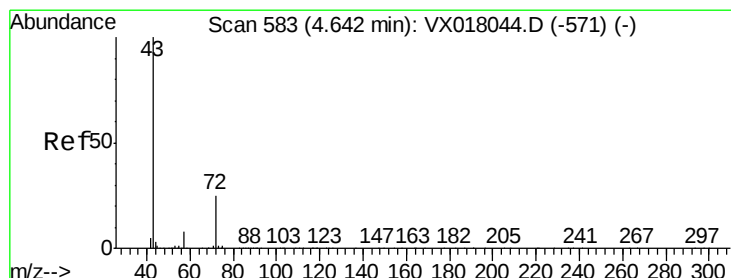
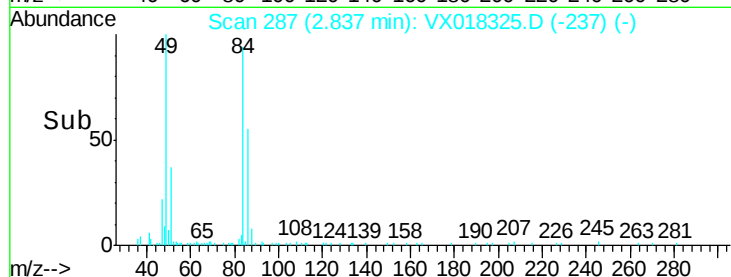
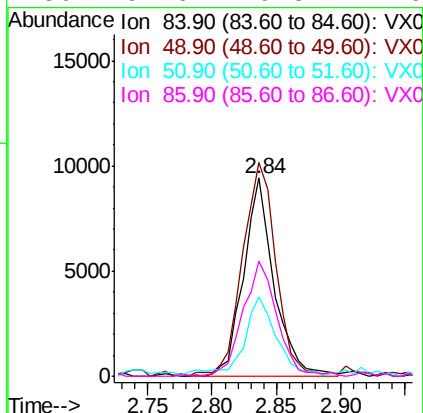
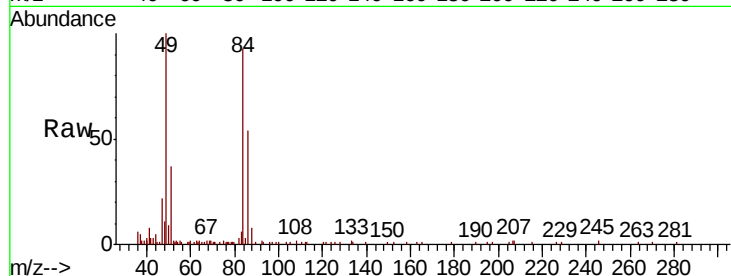




#20
Methvlene Chloride
Concen: 2.043 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018325.D
Acq: 09 Sep 2020 16:15

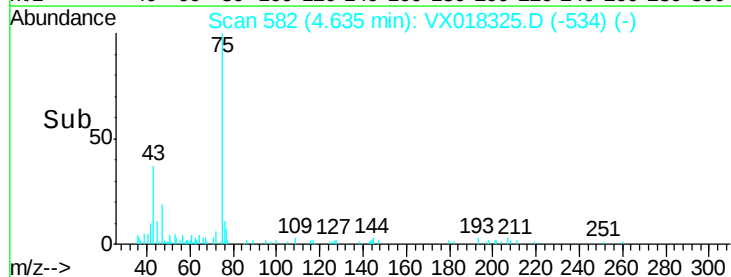
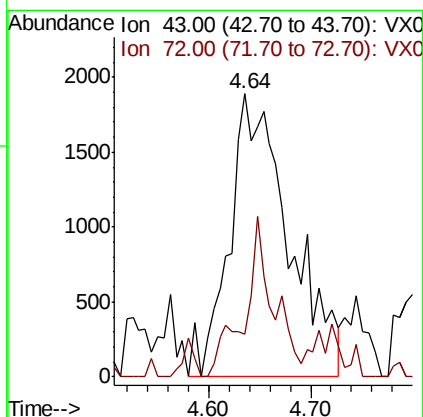
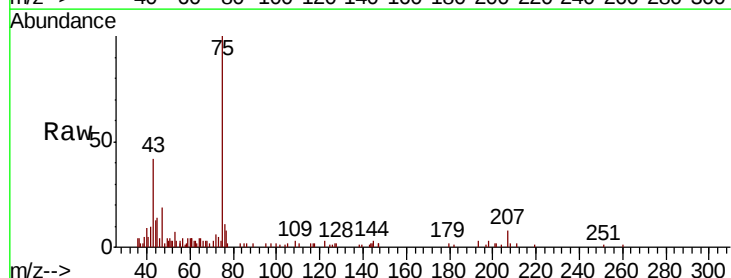
Instrument :
MSVOA_X
ClientSampleId :
PB131488ZHE#14

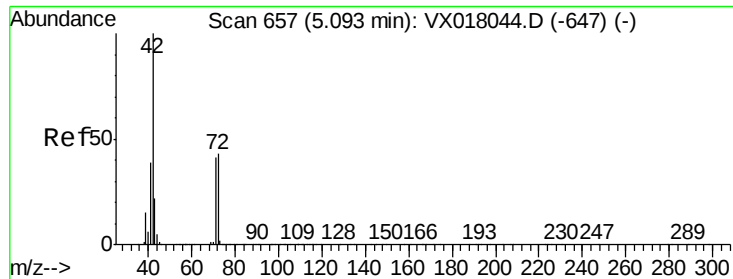
Tot Ion:	84	Resp:	15374
Ion	Ratio	Lower	Upper
84	100		
49	107.7	98.6	148.0
51	38.6	29.6	44.4
86	57.6	49.8	74.6



#25
2-Butanone
Concen: 1.975 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.01 min
Lab File: VX018325.D
Acq: 09 Sep 2020 16:15

Tgt Ion:	43	Resp:	7714
Ion	Ratio	Lower	Upper
43	100		
72	4.1	19.8	29.6#





#29

Tetrahydrofuran

Concen: 0.550 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX018325.D

Acq: 09 Sep 2020 16:15

Instrument :

MSVOA_X

ClientSampleId :

PB131488ZHE#14

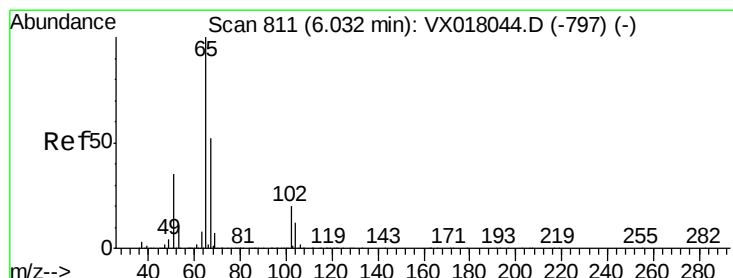
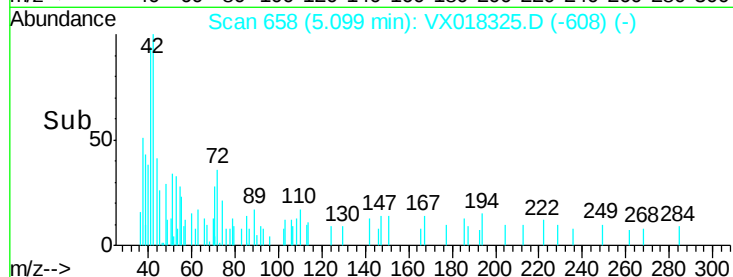
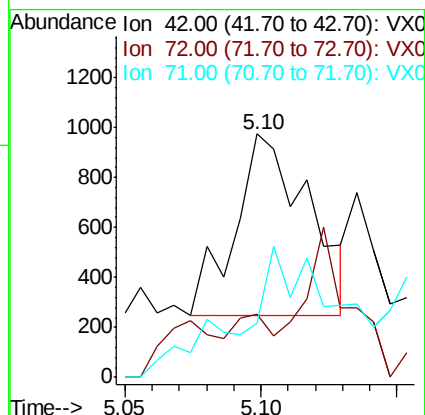
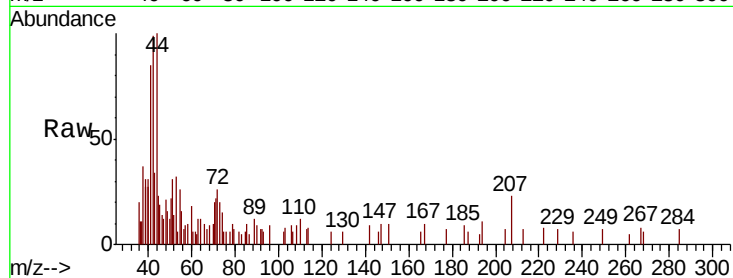
Tot Ion: 42 Resp: 1368

Ion Ratio Lower Upper

42 100

72 17.6 34.2 51.4#

71 93.1 32.1 48.1#



#33

1,2-Dichloroethane-d4

Concen: 52.639 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018325.D

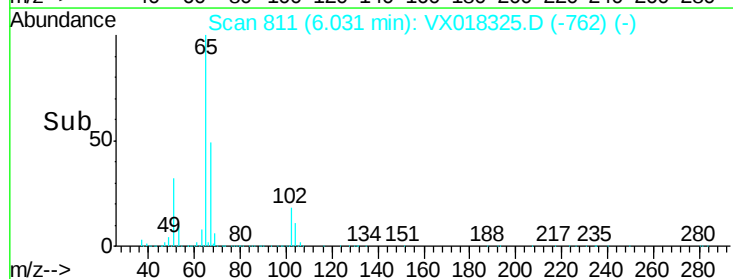
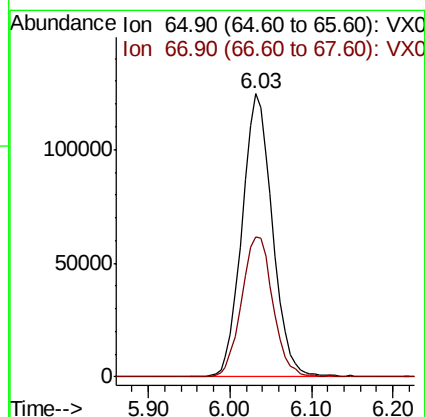
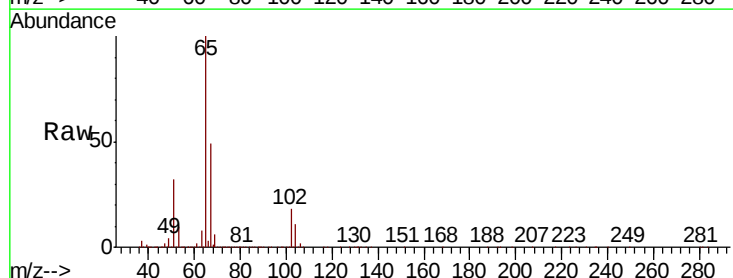
Acq: 09 Sep 2020 16:15

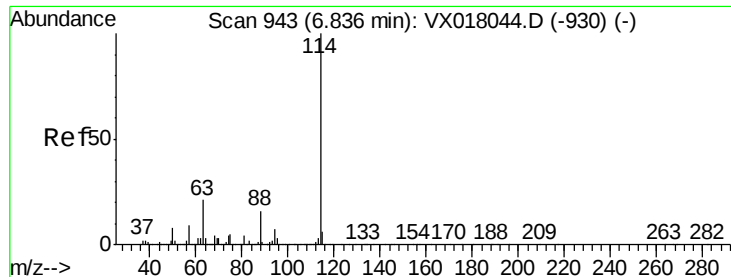
Tgt Ion: 65 Resp: 321090

Ion Ratio Lower Upper

65 100

67 51.1 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018325.D

Acq: 09 Sep 2020 16:15

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ClientSampleId :

PB131488ZHE#14

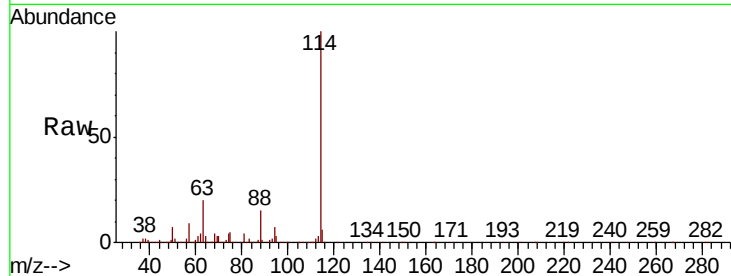
Tot Ion:114 Resp: 720366

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.6

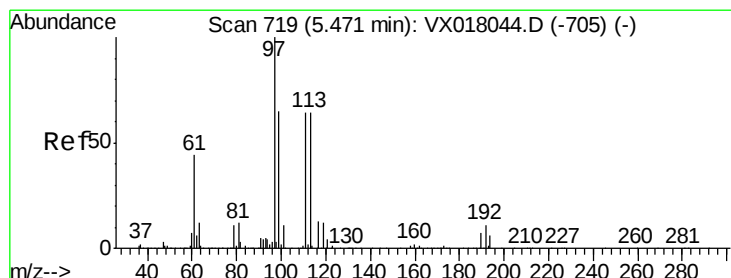
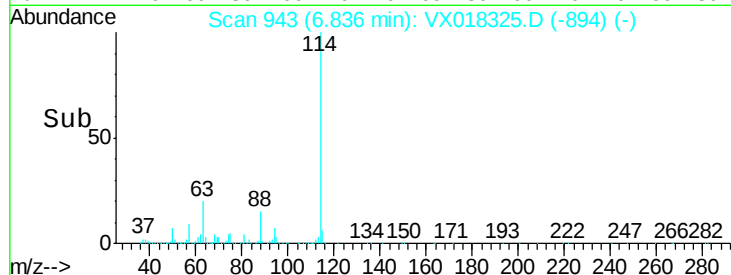
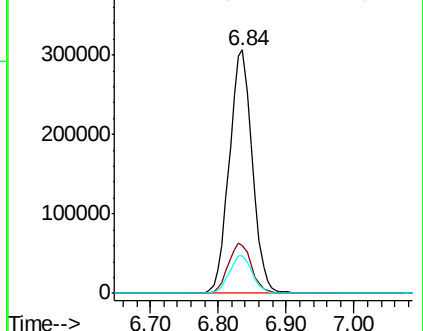
88 15.5 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 50.933 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018325.D

Acq: 09 Sep 2020 16:15

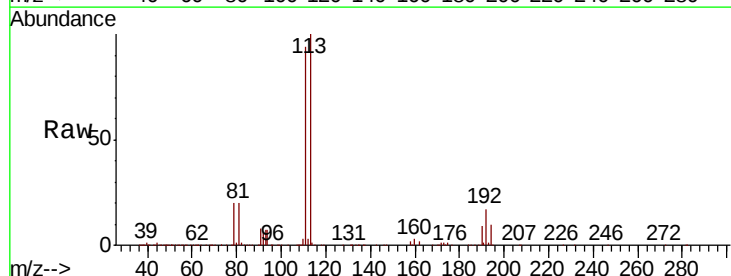
Tgt Ion:113 Resp: 249880

Ion Ratio Lower Upper

113 100

111 102.4 81.6 122.4

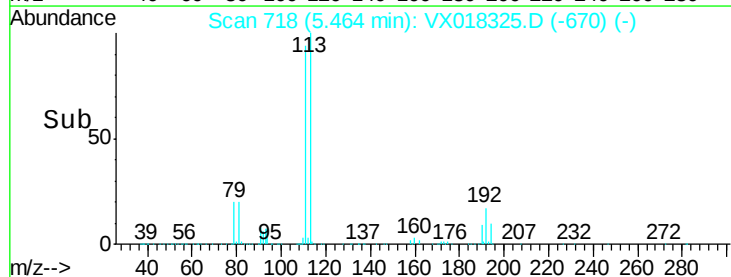
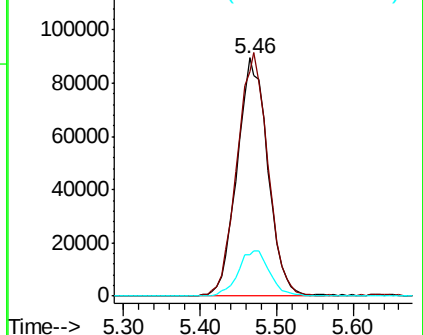
192 19.4 15.8 23.8

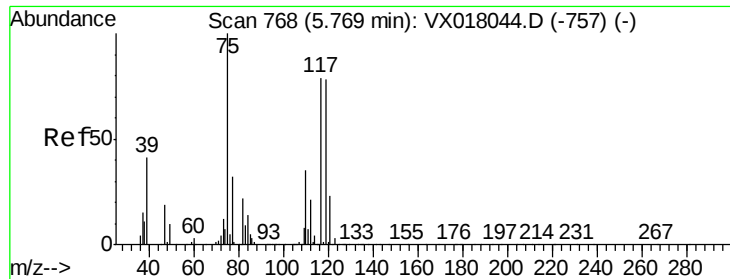


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

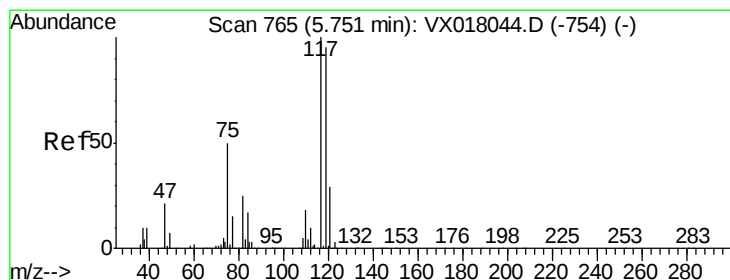
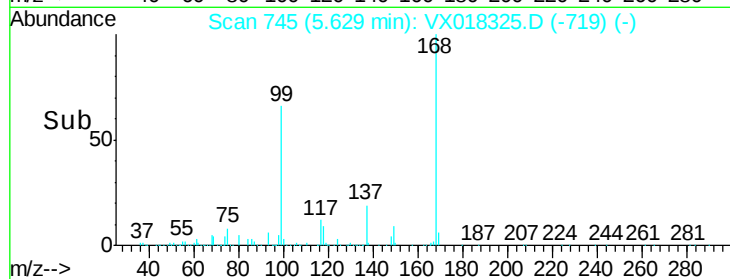
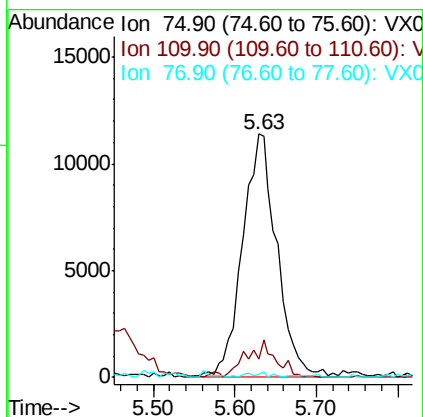
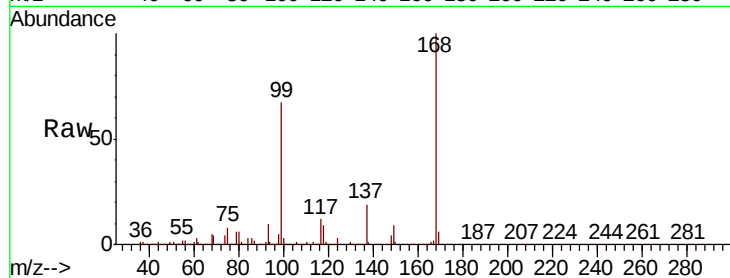




#36
 1,1-Dichloropropene
 Concen: 5.031 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018325.D
 Acq: 09 Sep 2020 16:15

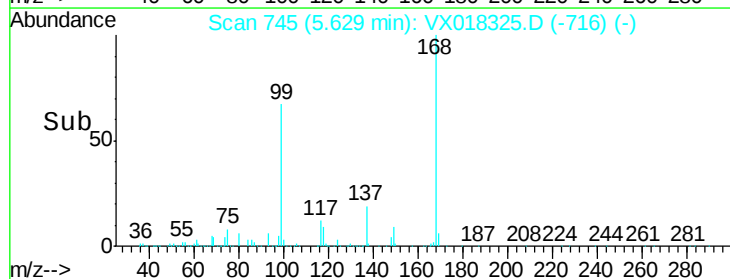
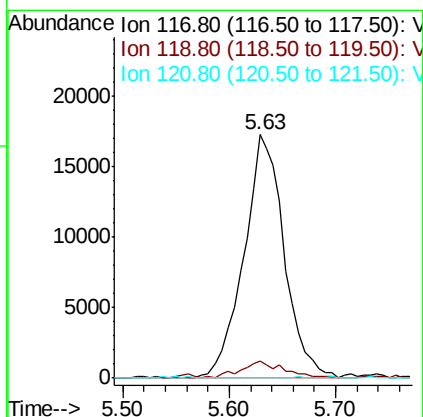
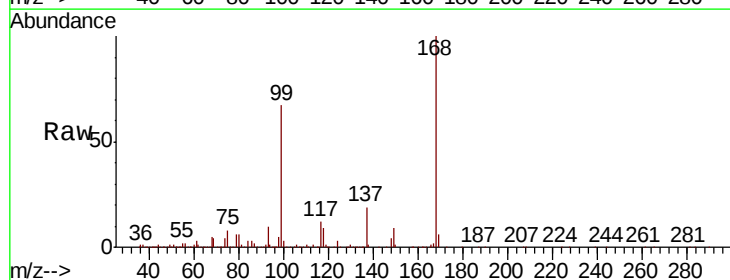
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131488ZHE#14

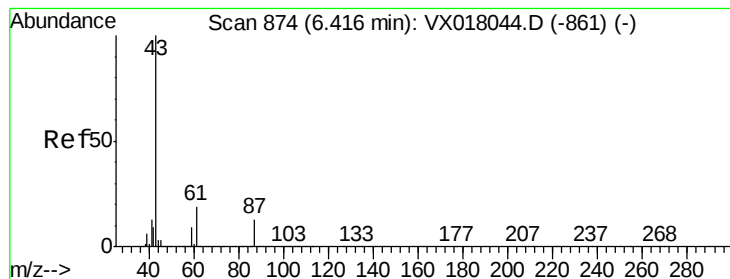
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.5	18.0	54.0#
77	0.5	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.115 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX018325.D
 Acq: 09 Sep 2020 16:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	75.8	113.6#
121	0.0	23.4	35.0#





#43

Isopropyl Acetate

Concen: 9.453 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018325.D

Acq: 09 Sep 2020 16:15

Instrument :

MSVOA_X

ClientSampleId :

PB131488ZHE#14

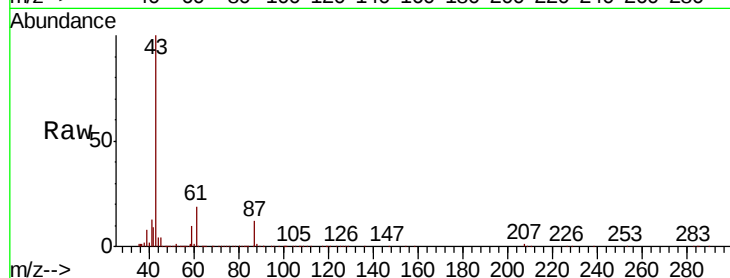
Tot Ion: 43 Resp: 117823

Ion Ratio Lower Upper

43 100

61 20.0 15.7 23.5

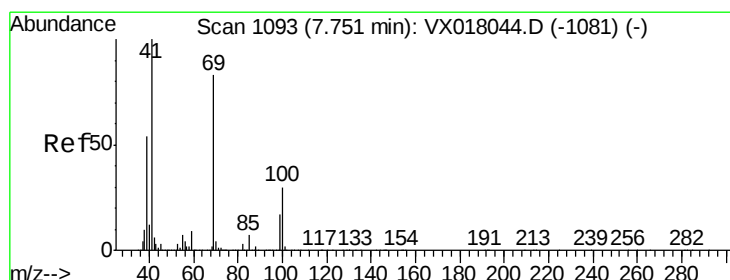
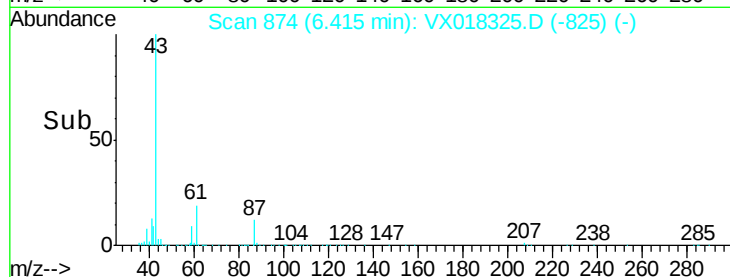
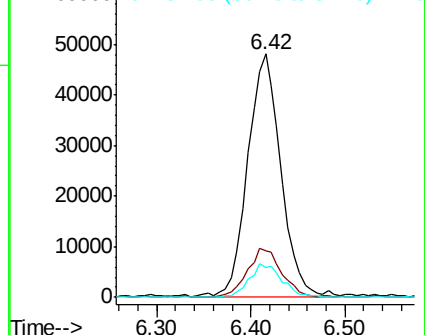
87 13.8 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 0.993 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.10 min

Lab File: VX018325.D

Acq: 09 Sep 2020 16:15

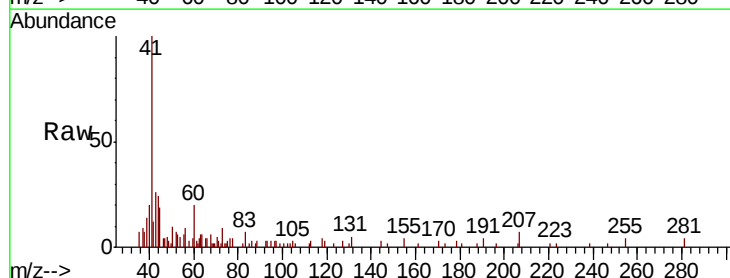
Tgt Ion: 41 Resp: 6162

Ion Ratio Lower Upper

41 100

69 1.6 65.5 98.3#

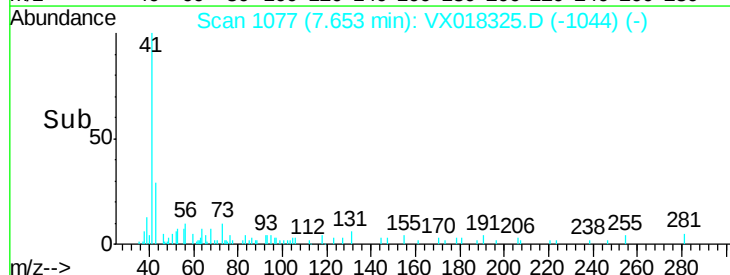
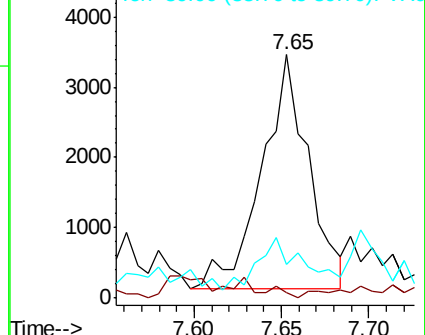
39 0.0 44.5 66.7#

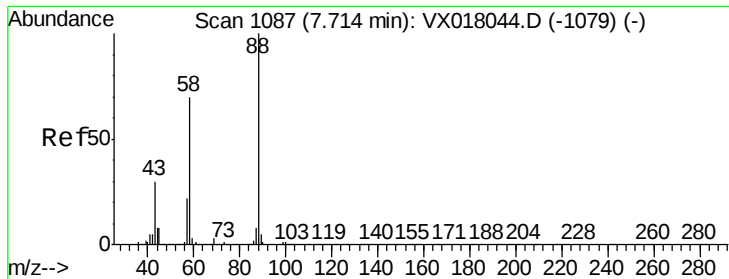


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1.183 ug/l

RT: 7.68 min Scan# 1082

Delta R.T. -0.03 min

Lab File: VX018325.D

Acq: 09 Sep 2020 16:15

Instrument :

MSVOA_X

ClientSampleId :

PB131488ZHE#14

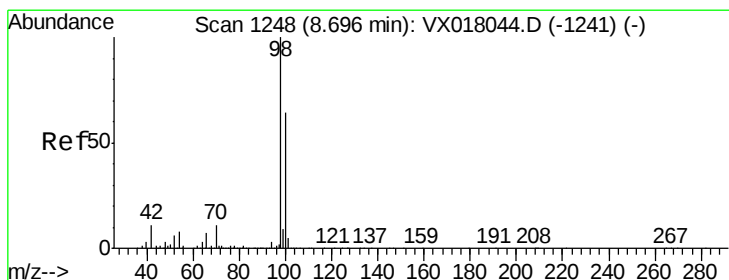
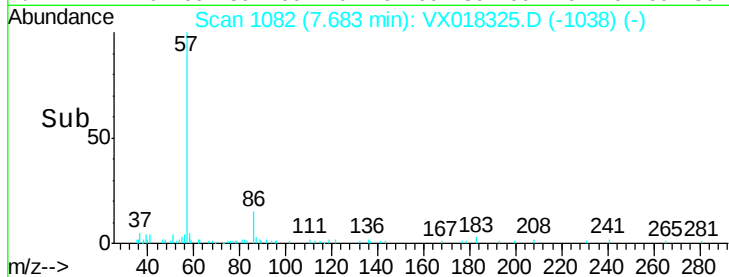
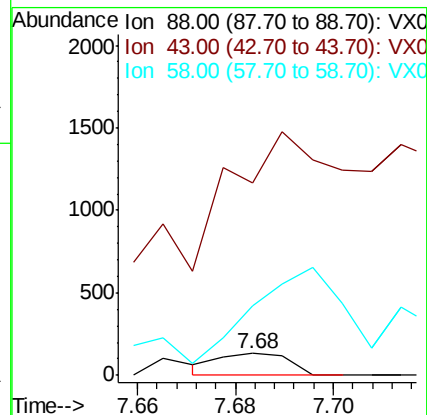
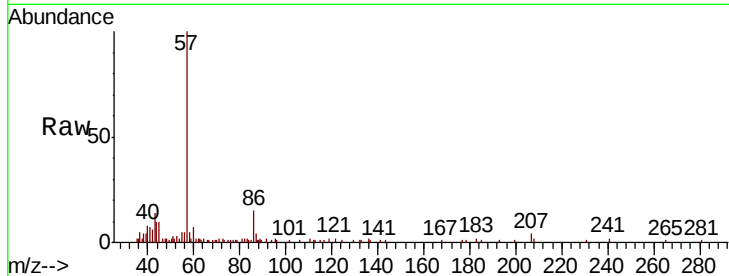
Tot Ion: 88 Resp: 133

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 810.5 56.4 84.6#



#50

Toluene-d8

Concen: 49.328 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018325.D

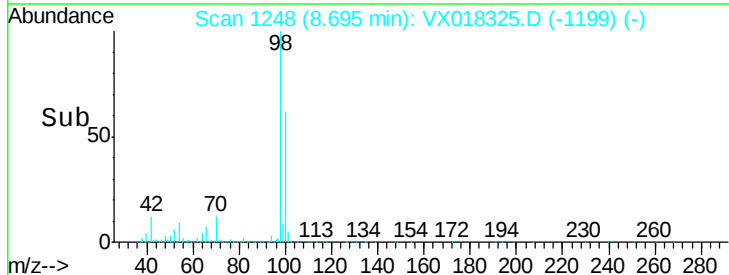
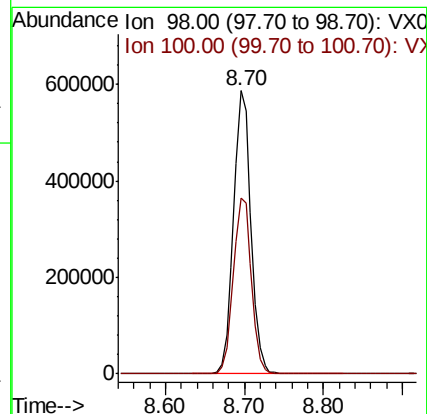
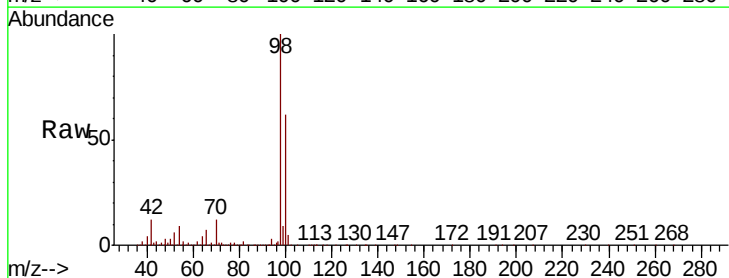
Acq: 09 Sep 2020 16:15

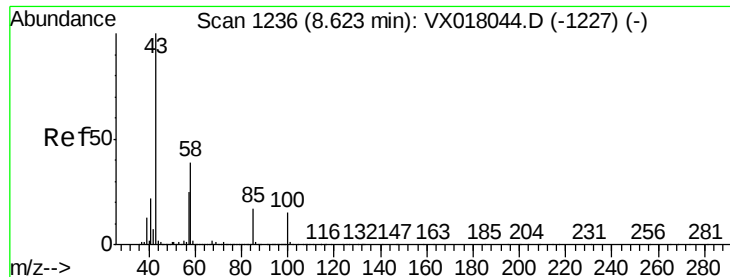
Tgt Ion: 98 Resp: 901362

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 15.168 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VX018325.D

Acq: 09 Sep 2020 16:15

Instrument :

MSVOA_X

ClientSampleId :

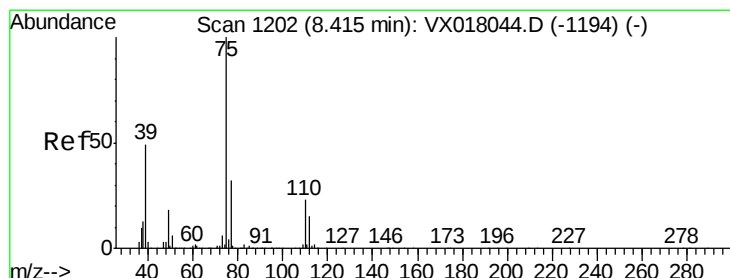
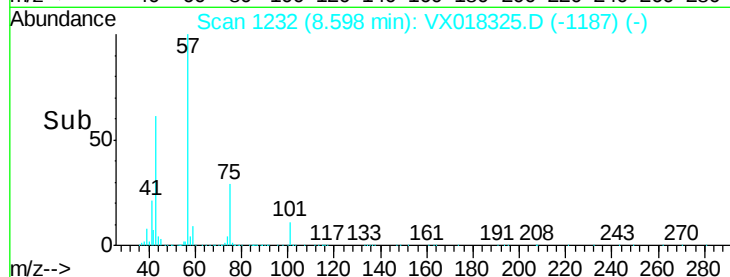
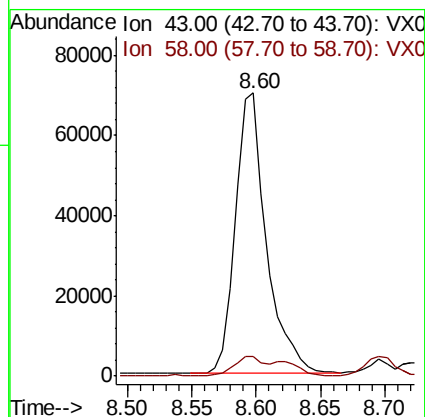
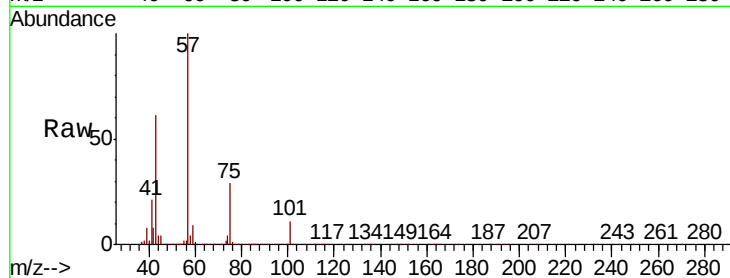
PB131488ZHE#14

Tot Ion: 43 Resp: 116780

Ion Ratio Lower Upper

43 100

58 6.9 30.7 46.1#



#54

cis-1,3-Dichloropropene

Concen: 5.662 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018325.D

Acq: 09 Sep 2020 16:15

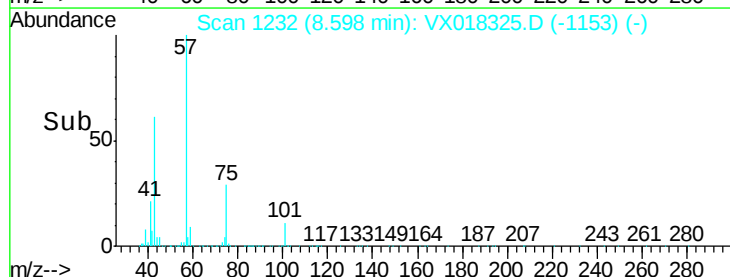
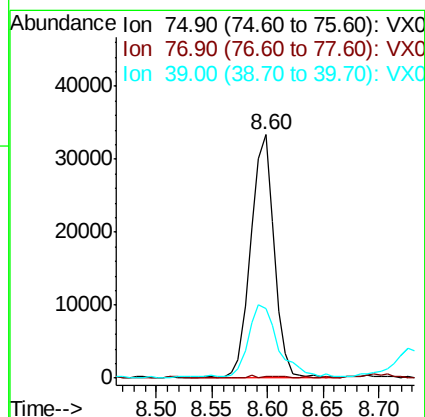
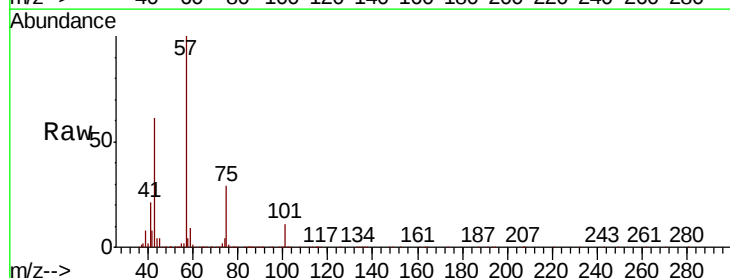
Tgt Ion: 75 Resp: 49117

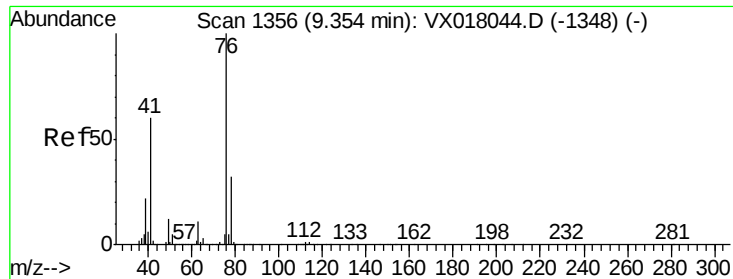
Ion Ratio Lower Upper

75 100

77 0.8 25.8 38.8#

39 27.8 38.8 58.2#





#57

1,3-Dichloropropane

Concen: 1.085 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX018325.D

Acq: 09 Sep 2020 16:15

Instrument :

MSVOA_X

ClientSampleId :

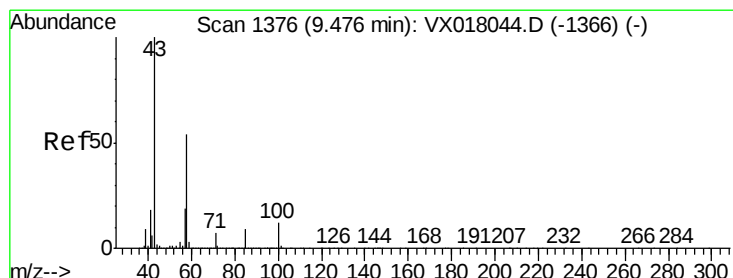
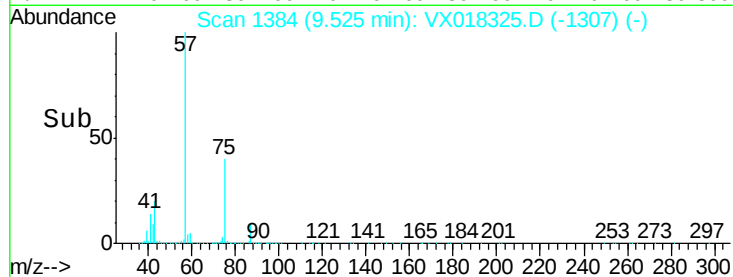
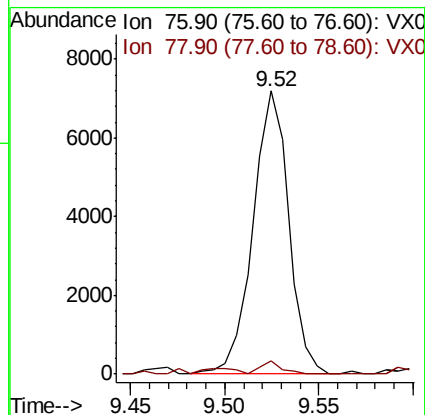
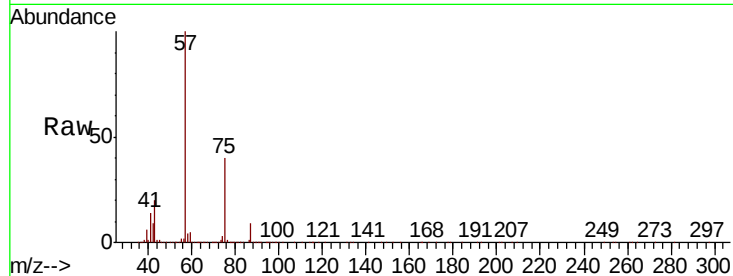
PB131488ZHE#14

Tot Ion: 76 Resp: 9447

Ion Ratio Lower Upper

76 100

78 2.8 25.8 38.6#



#59

2-Hexanone

Concen: 21.593 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX018325.D

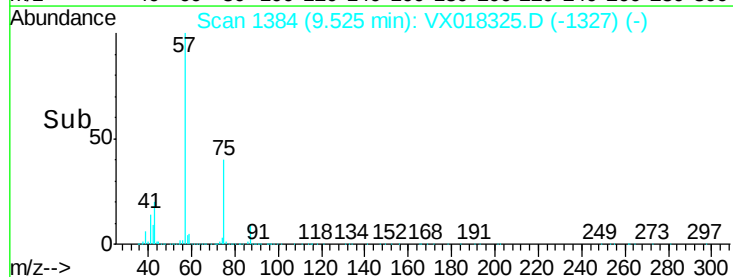
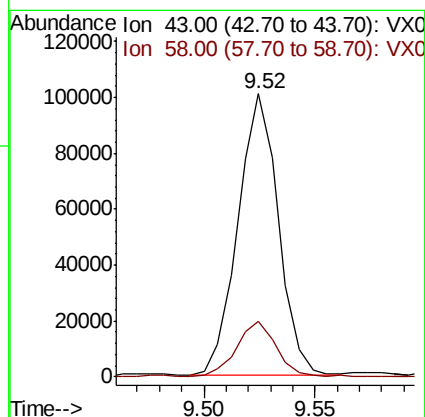
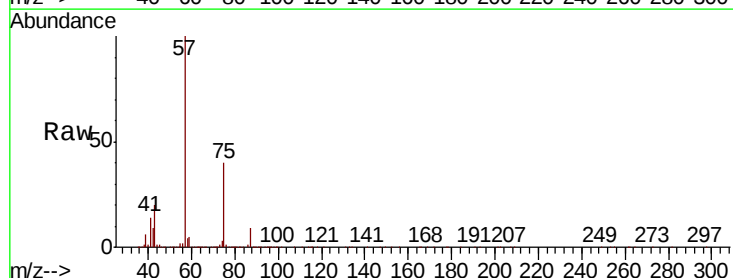
Acq: 09 Sep 2020 16:15

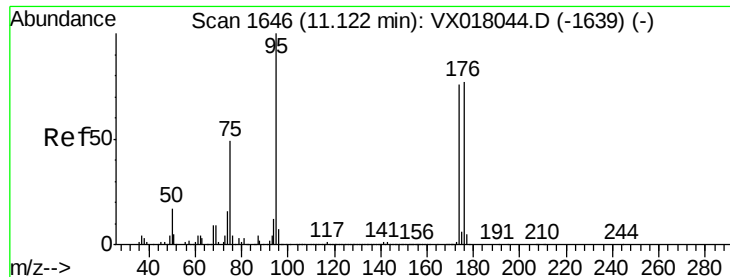
Tgt Ion: 43 Resp: 126414

Ion Ratio Lower Upper

43 100

58 20.0 26.6 79.7#





#62

4-Bromofluorobenzene

Concen: 46.004 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018325.D

Acq: 09 Sep 2020 16:15

Instrument :

MSVOA_X

ClientSampleId :

PB131488ZHE#14

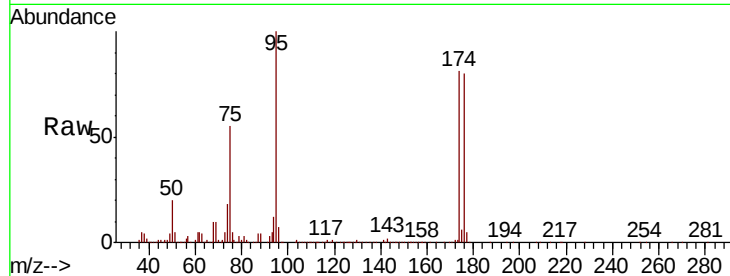
Tot Ion: 95 Resp: 330733

Ion Ratio Lower Upper

95 100

174 82.3 0.0 160.2

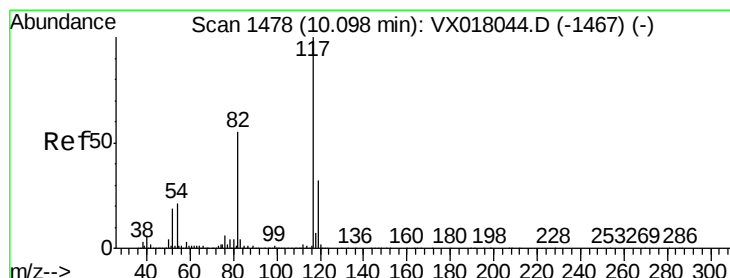
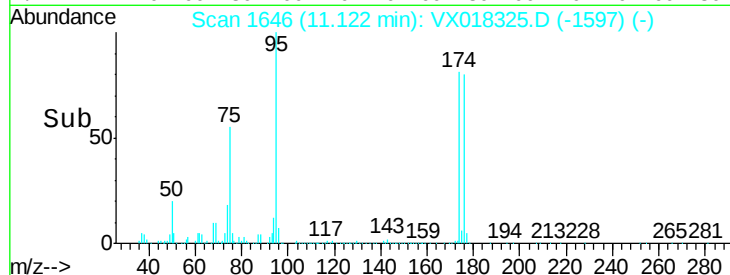
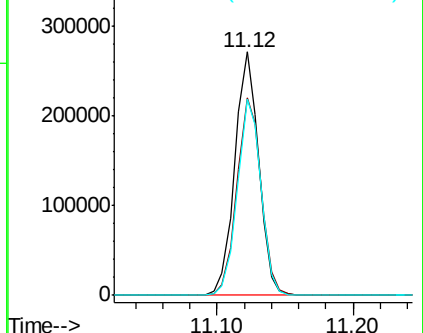
176 79.4 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018325.D

Acq: 09 Sep 2020 16:15

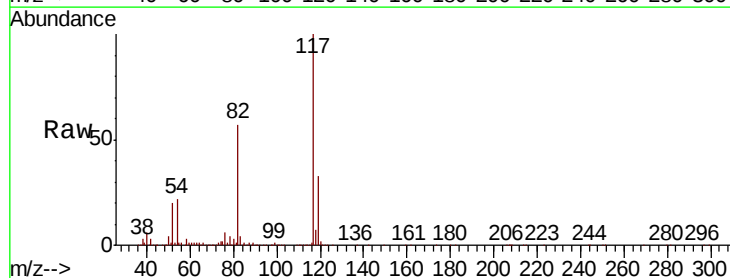
Tgt Ion: 117 Resp: 703250

Ion Ratio Lower Upper

117 100

82 57.0 44.2 66.2

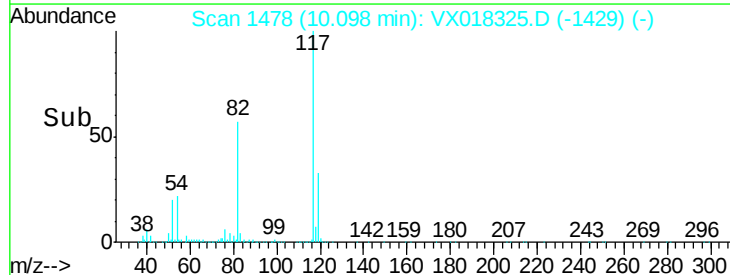
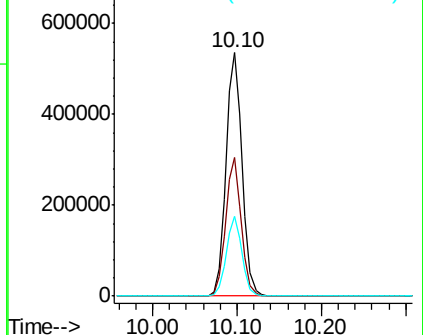
119 32.6 25.7 38.5

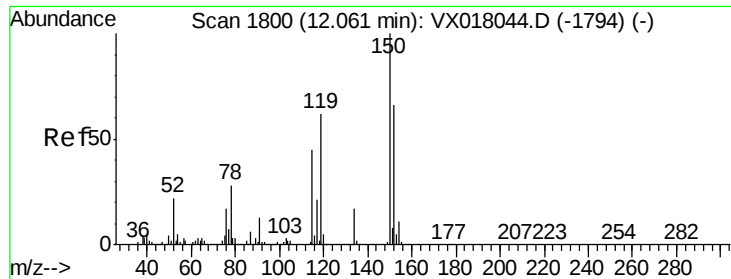


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018325.D

Acq: 09 Sep 2020 16:15

Instrument :

MSVOA_X

ClientSampleId :

PB131488ZHE#14

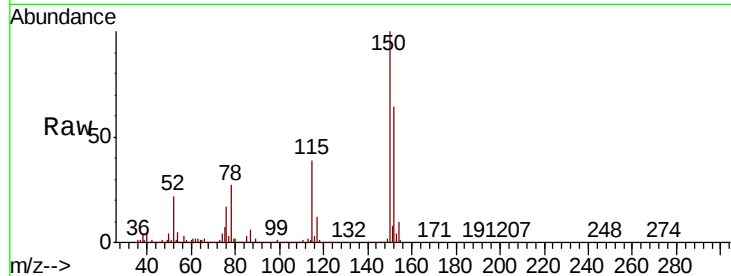
Tot Ion:152 Resp: 344688

Ion Ratio Lower Upper

152 100

115 59.4 41.5 124.5

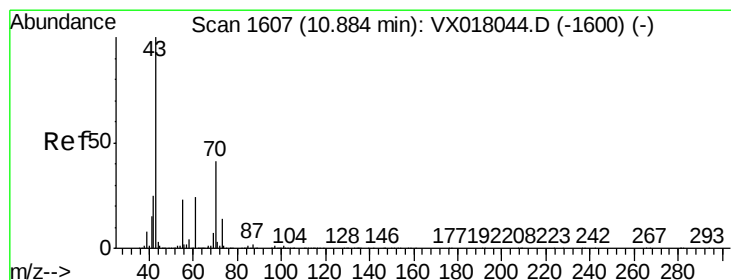
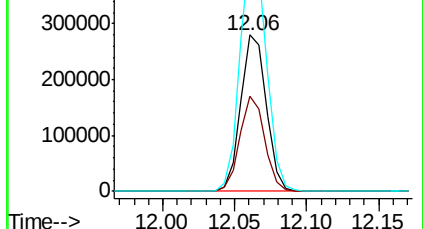
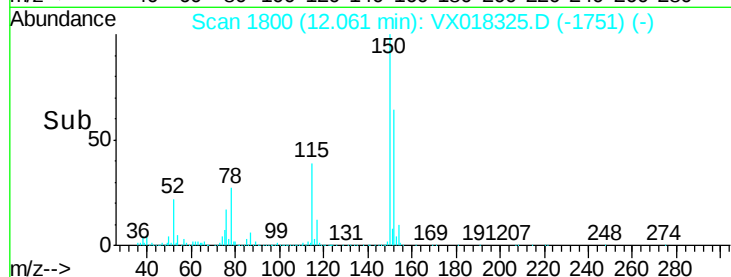
150 157.7 0.0 343.8



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: 0.477 ug/l

RT: 10.81 min Scan# 1595

Delta R.T. -0.07 min

Lab File: VX018325.D

Acq: 09 Sep 2020 16:15

Tgt Ion: 43 Resp: 5141

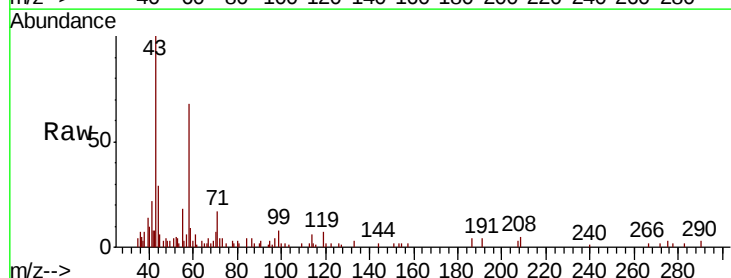
Ion Ratio Lower Upper

43 100

70 5.5 32.3 48.5#

55 14.1 18.2 27.2#

61 0.0 18.9 28.3#

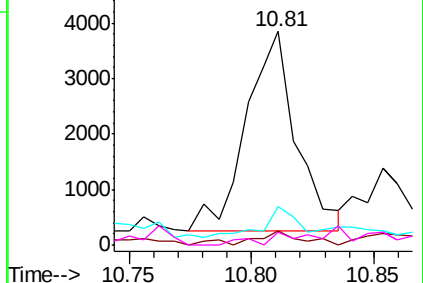
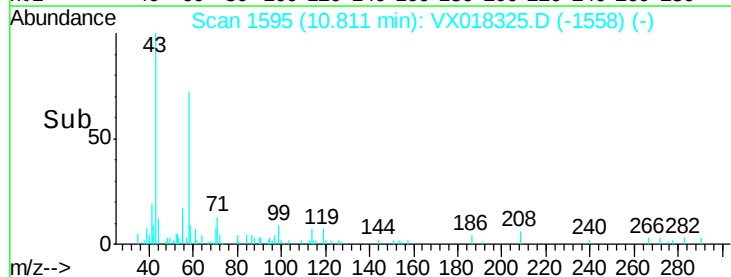


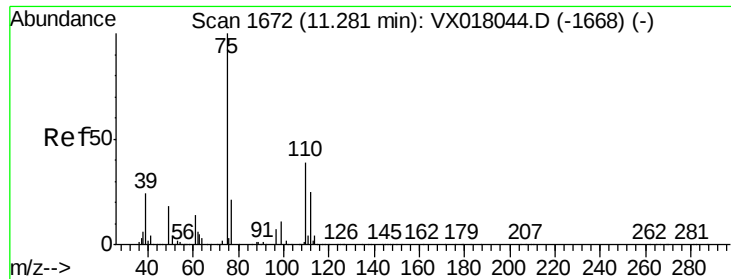
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 23.118 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018325.D

Acq: 09 Sep 2020 16:15

Instrument :

MSVOA_X

ClientSampleId :

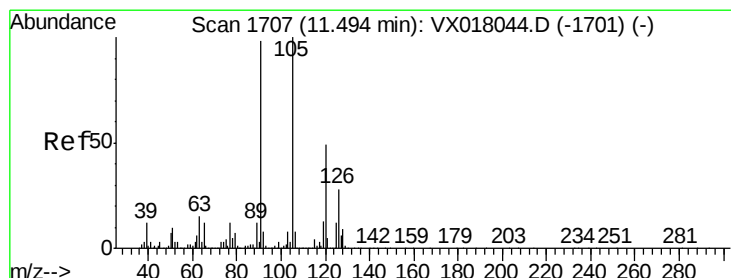
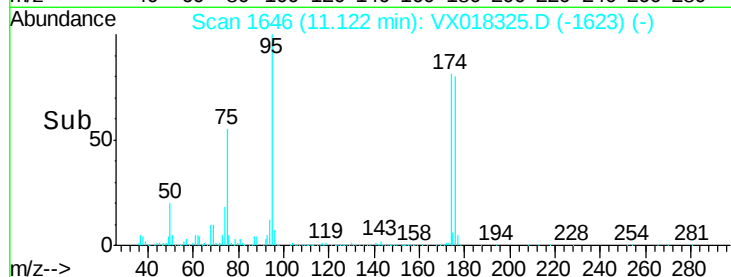
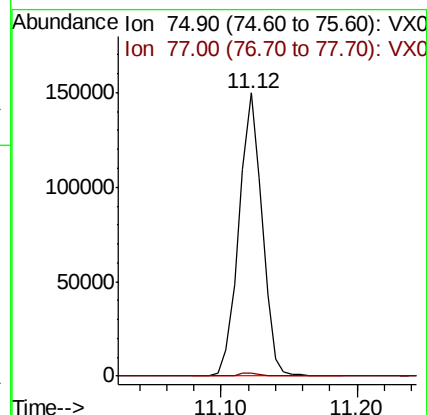
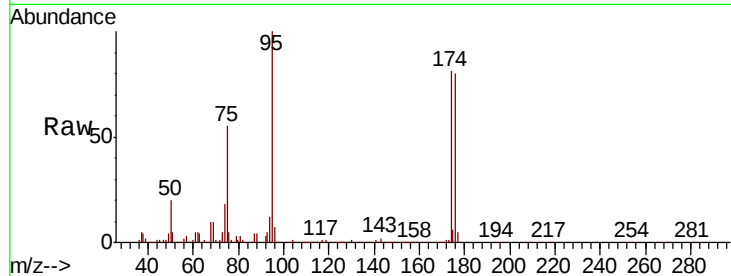
PB131488ZHE#14

Tot Ion: 75 Resp: 177261

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



#80

1,3,5-Trimethylbenzene

Concen: 0.286 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018325.D

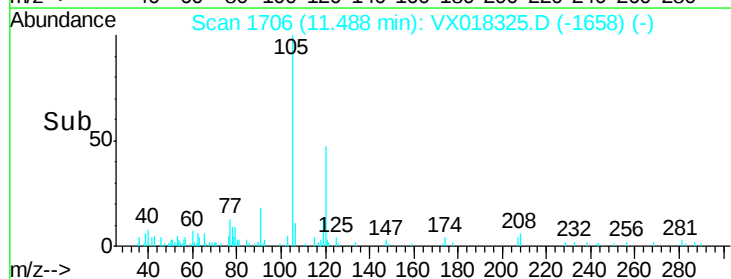
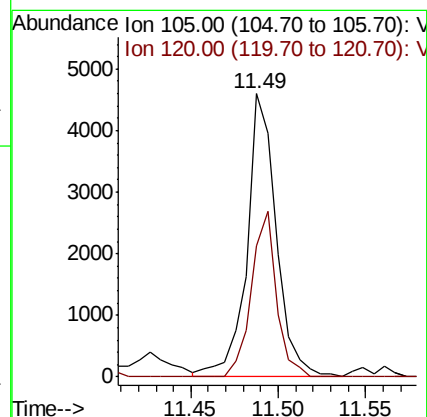
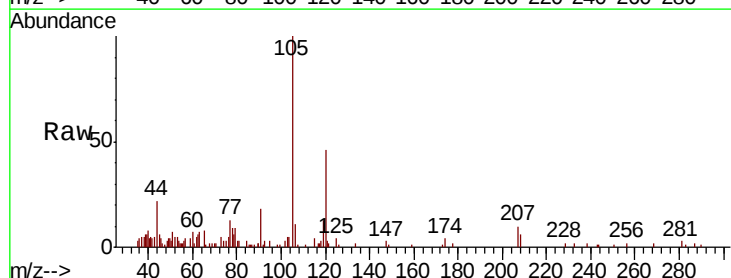
Acq: 09 Sep 2020 16:15

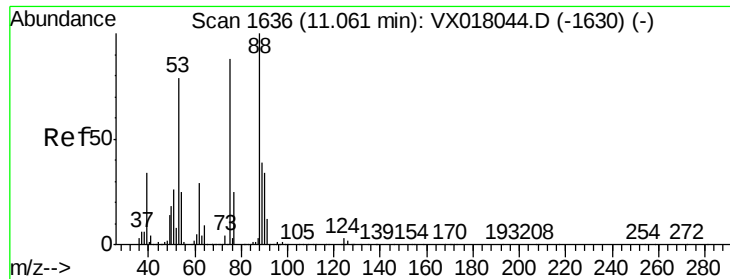
Tgt Ion:105 Resp: 5342

Ion Ratio Lower Upper

105 100

120 49.6 24.1 72.2

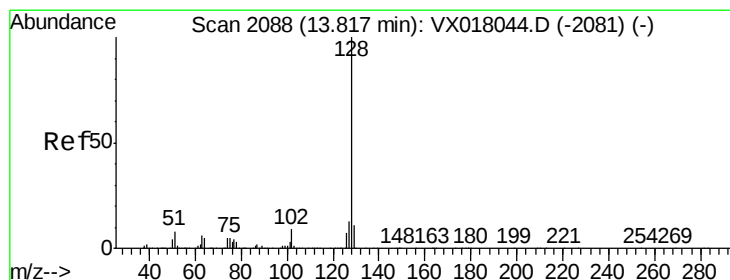
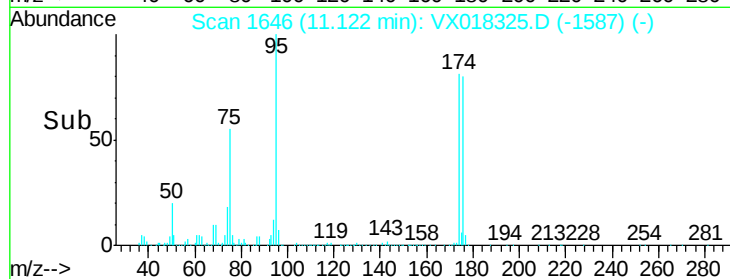
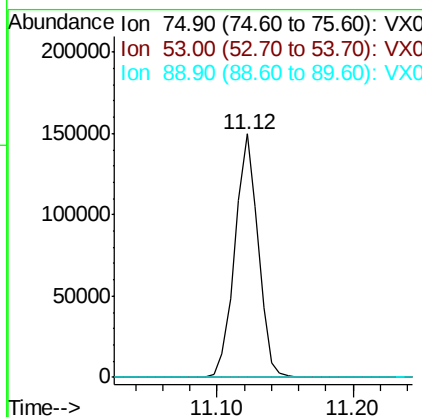
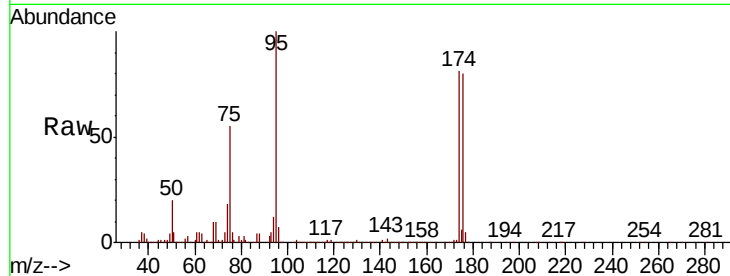




#81
trans-1,4-Dichloro-2-butene
Concen: 62.437 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX018325.D
Acq: 09 Sep 2020 16:15

Instrument :
MSVOA_X
ClientSampleId :
PB131488ZHE#14

Tot Ion: 75 Resp: 177261
Ion Ratio Lower Upper
75 100
53 0.3 74.7 112.1#
89 0.0 36.6 54.8#



#95
Naphthalene
Concen: 0.213 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX018325.D
Acq: 09 Sep 2020 16:15

Tgt Ion: 128 Resp: 4845
Ion Ratio Lower Upper
128 100
127 14.9 10.2 15.2
129 16.2 8.7 13.1#

