

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090920\
 Data File : VX018326.D
 Acq On : 09 Sep 2020 16:38
 Operator : JC/SP
 Sample : PB131488ZHE#15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131488ZHE#15

Quant Time: Sep 10 07:05:51 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	417851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	688543	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	679210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	330080	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	308462	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
35) Dibromofluoromethane	5.47	113	242157	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
50) Toluene-d8	8.70	98	853917	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.12	95	329623	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	

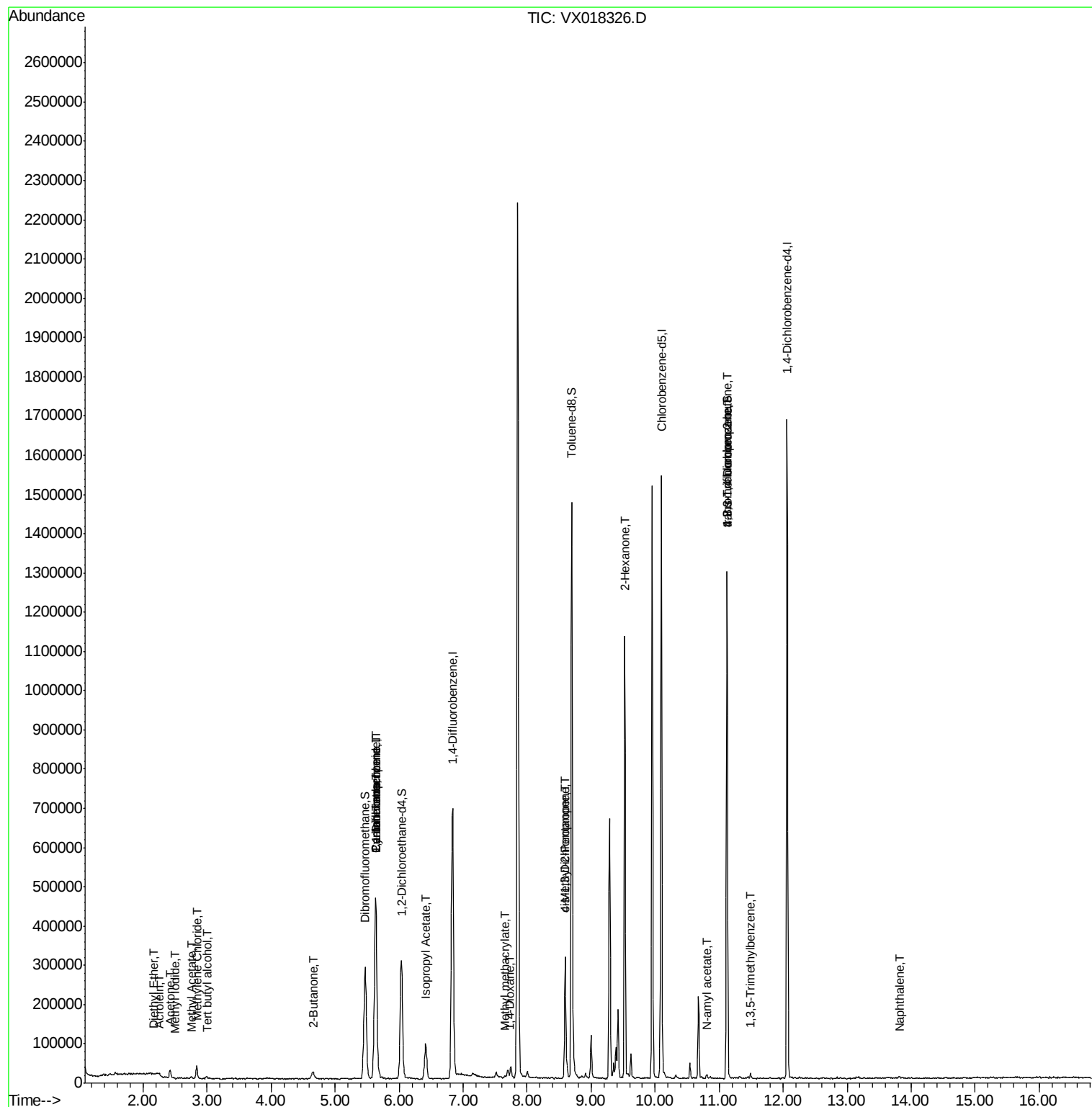
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	880	0.356	ug/l	93
10) Methyl Iodide	2.50	142	57	5.299	ug/l #	1
11) Tert butyl alcohol	3.01	59	3923	3.478	ug/l #	93
13) Acrolein	2.26	56	432	0.924	ug/l #	14
16) Acetone	2.42	43	22788	10.082	ug/l	97
18) Methyl Acetate	2.75	43	5599	1.026	ug/l #	67
20) Methylene Chloride	2.84	84	15336	2.202	ug/l	95
25) 2-Butanone	4.65	43	6460	1.739	ug/l	96
31) Cyclohexane	5.63	56	9363	1.349	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	32905	5.181	ug/l #	49
38) Carbon Tetrachloride	5.64	117	44850	6.267	ug/l #	18
43) Isopropyl Acetate	6.42	43	121721	10.217	ug/l	100
48) Methyl methacrylate	7.65	41	6305	1.063	ug/l #	17
49) 1,4-Dioxane	7.72	88	159	1.480	ug/l #	23
51) 4-Methyl-2-Pentanone	8.60	43	118261	16.070	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	48177	5.811	ug/l #	65
59) 2-Hexanone	9.52	43	126607	22.625	ug/l #	53
74) N-amyl acetate	10.81	43	5240	0.507	ug/l #	59
76) 1,2,3-Trichloropropane	11.12	75	170101	23.166	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	5392	0.301	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.12	75	170101	62.567	ug/l #	12
95) Naphthalene	13.82	128	4802	0.220	ug/l #	84

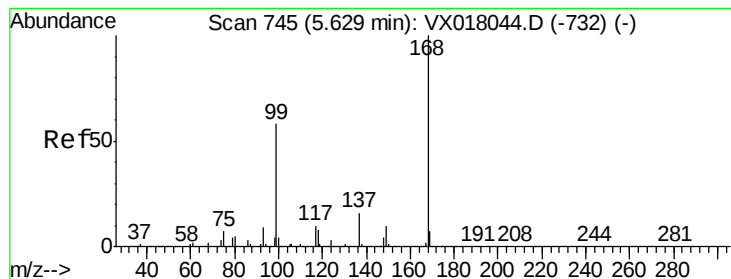
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090920\
Data File : VX018326.D
Acq On : 09 Sep 2020 16:38
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Misc : 5.0mL/MSVOA X/WATER
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Instrument :
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ClientSampleId :
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Quant Time: Sep 10 07:05:51 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: VX018326.D

Acq: 09 Sep 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

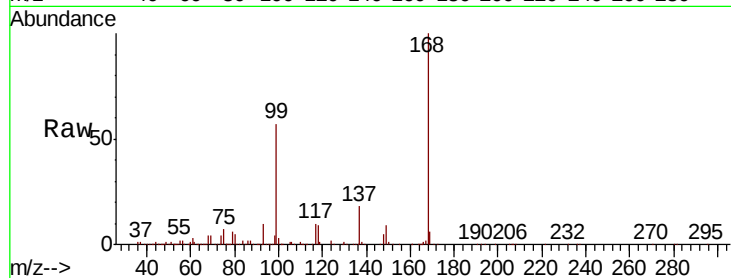
PB131488ZHE#15

Tot Ion:168 Resp: 417851

Ion Ratio Lower Upper

168 100

99 56.9 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

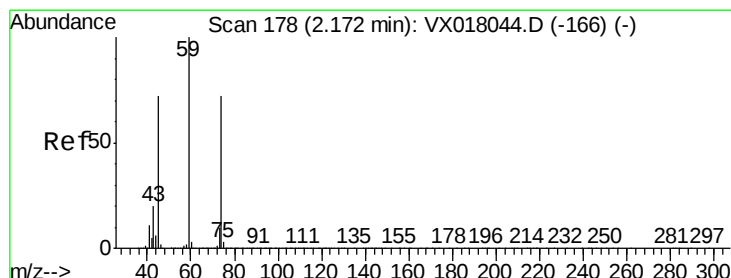
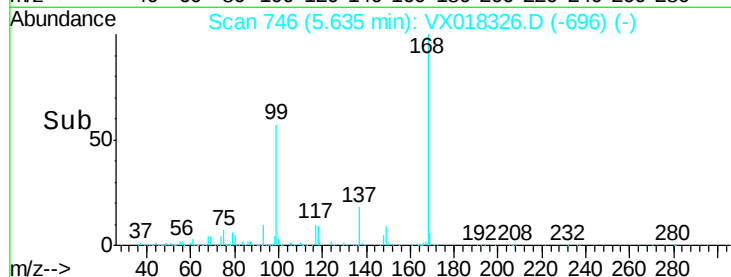
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.356 ug/l

RT: 2.18 min Scan# 179

Delta R.T. 0.01 min

Lab File: VX018326.D

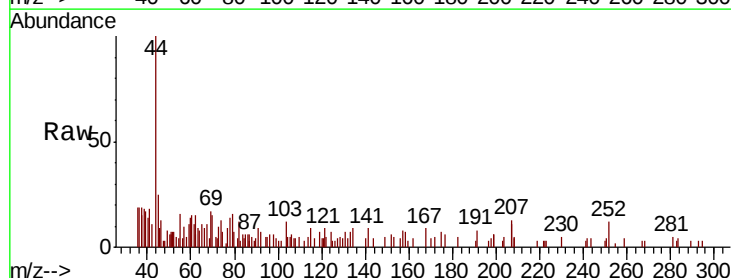
Acq: 09 Sep 2020 16:38

Tgt Ion: 74 Resp: 880

Ion Ratio Lower Upper

74 100

45 94.7 50.7 152.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

800

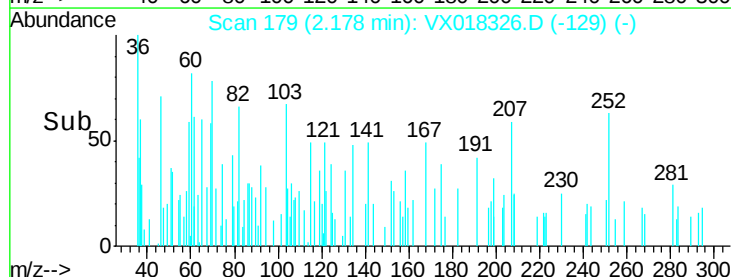
600

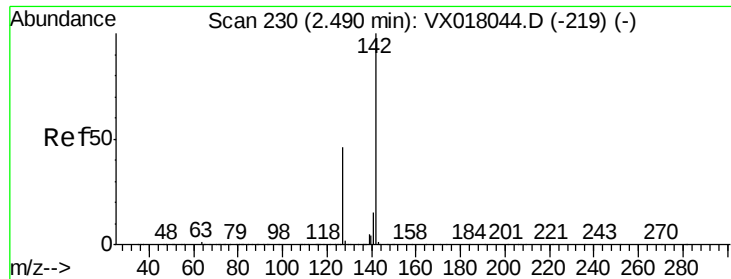
400

200

0

Time-->

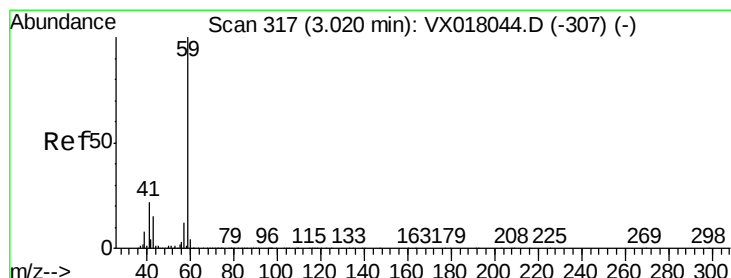
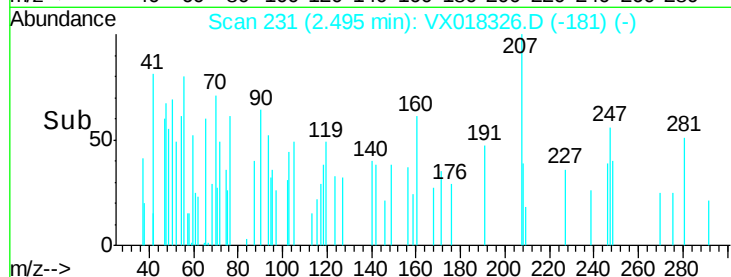
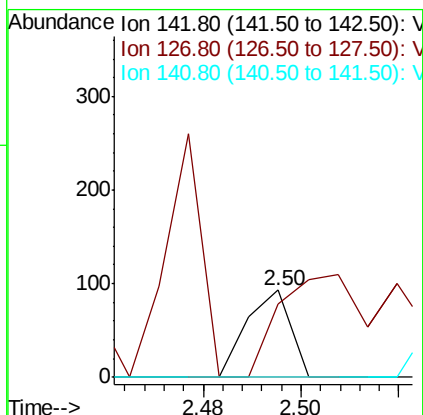
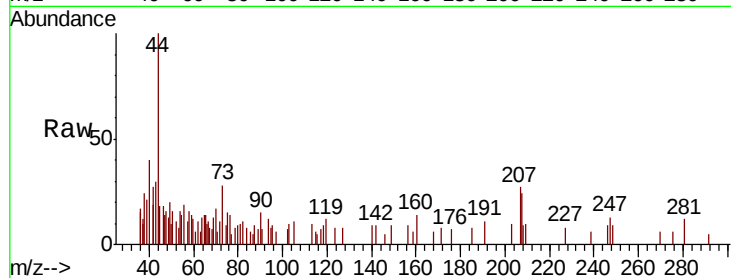




#10
Methyl Iodide
Concen: 5.299 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX018326.D
Acq: 09 Sep 2020 16:38

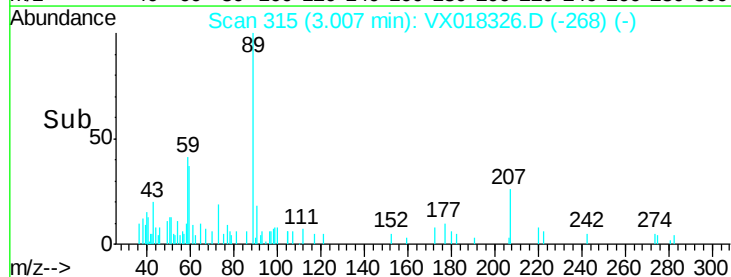
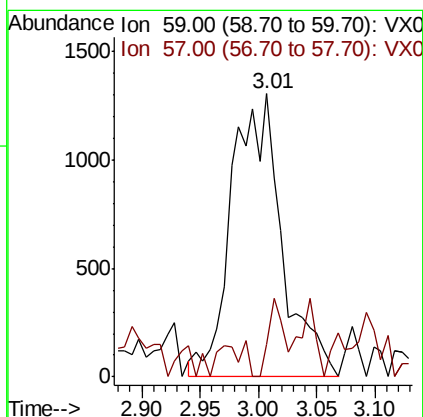
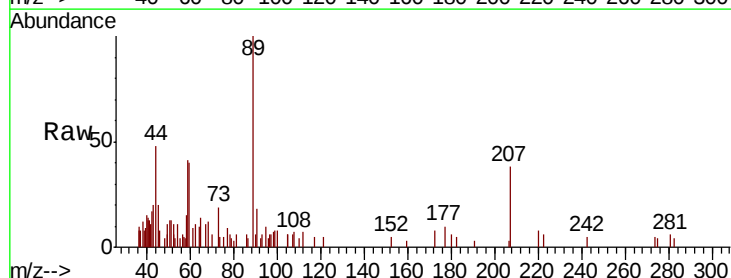
Instrument :
MSVOA_X
ClientSampleId :
PB131488ZHE#15

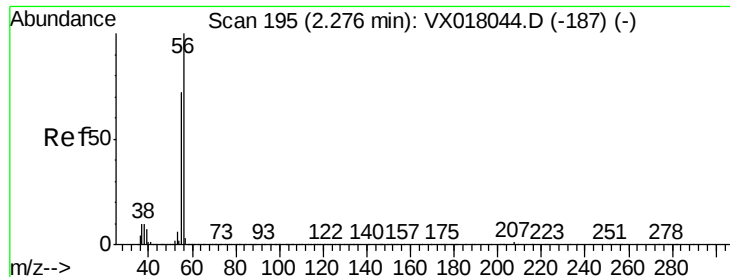
Tot Ion:142 Resp: 57
Ion Ratio Lower Upper
142 100
127 322.8 37.0 55.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 3.478 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018326.D
Acq: 09 Sep 2020 16:38

Tgt Ion: 59 Resp: 3923
Ion Ratio Lower Upper
59 100
57 8.3 8.9 13.3#





#13

Acrolein

Concen: 0.924 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX018326.D

Acq: 09 Sep 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

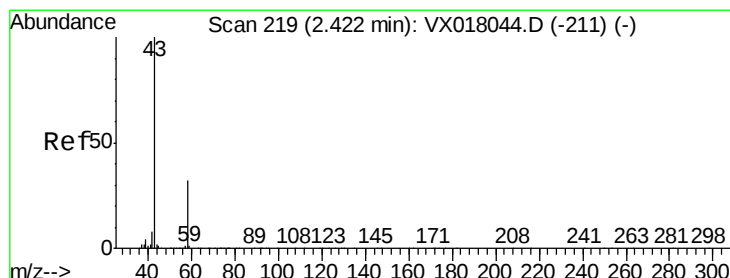
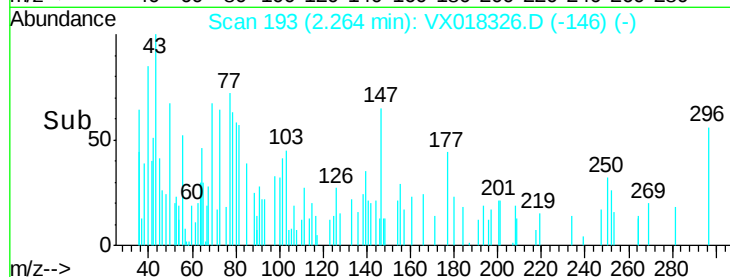
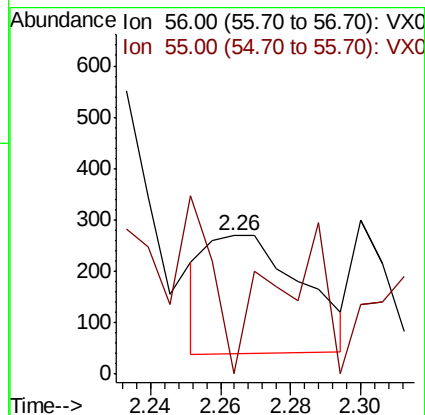
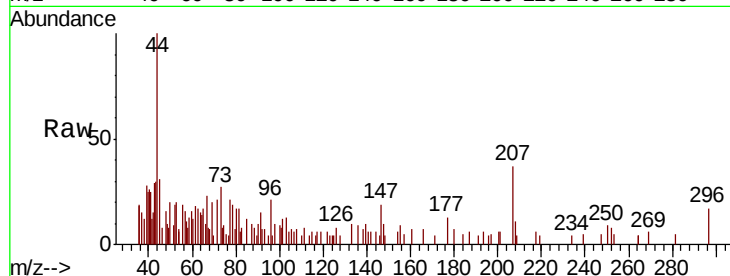
PB131488ZHE#15

Tot Ion: 56 Resp: 432

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.6#



#16

Acetone

Concen: 10.082 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018326.D

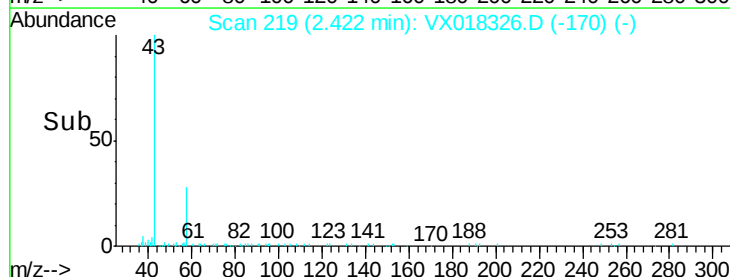
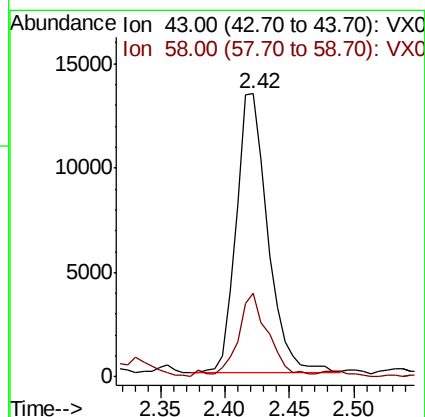
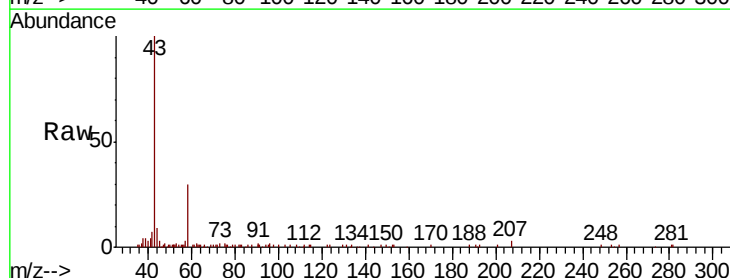
Acq: 09 Sep 2020 16:38

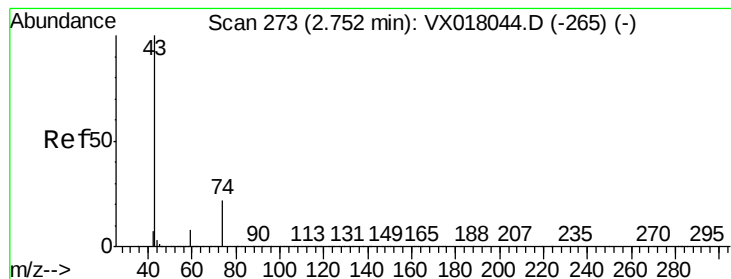
Tgt Ion: 43 Resp: 22788

Ion Ratio Lower Upper

43 100

58 30.1 25.5 38.3





#18

Methvl Acetate

Concen: 1.026 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX018326.D

Acq: 09 Sep 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

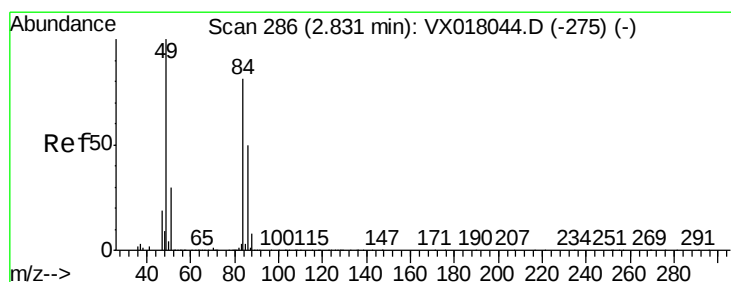
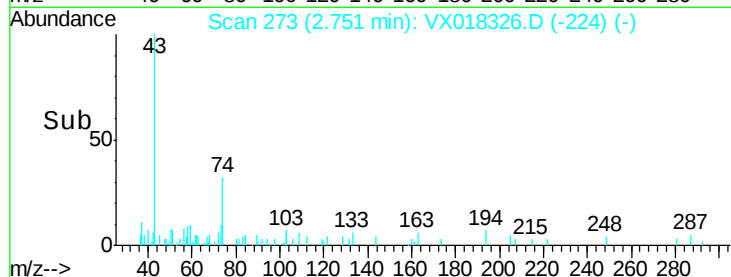
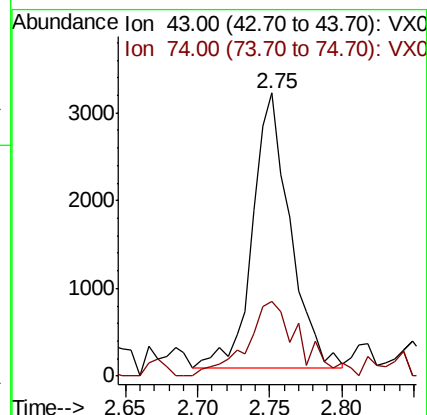
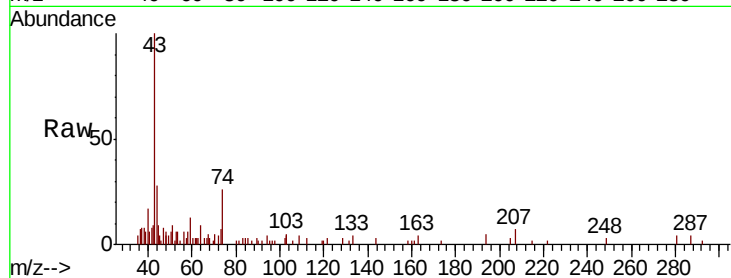
PB131488ZHE#15

Tot Ion: 43 Resp: 5599

Ion Ratio Lower Upper

43 100

74 38.8 18.2 27.4#



#20

Methylene Chloride

Concen: 2.202 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018326.D

Acq: 09 Sep 2020 16:38

Tgt Ion: 84 Resp: 15336

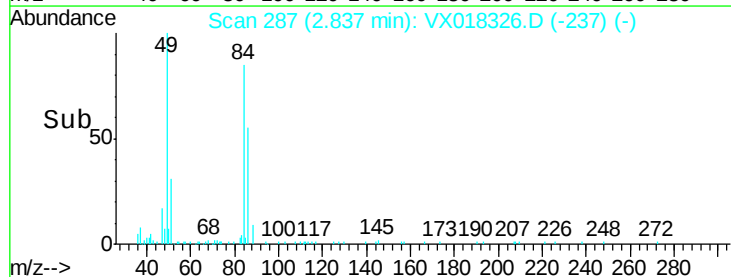
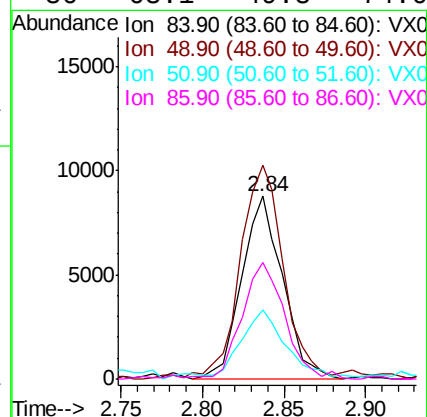
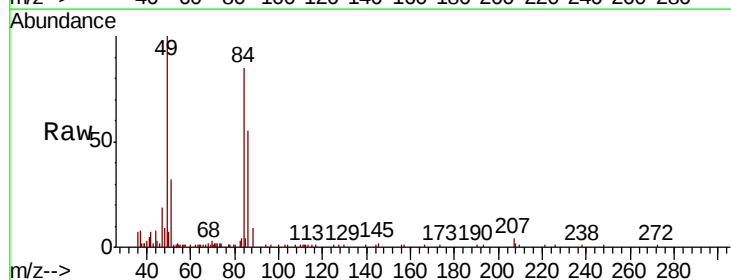
Ion Ratio Lower Upper

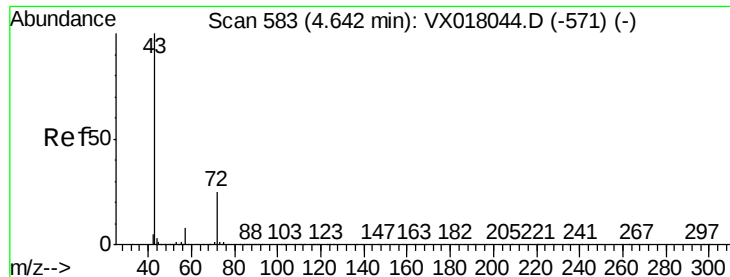
84 100

49 113.8 98.6 148.0

51 35.7 29.6 44.4

86 63.1 49.8 74.6





#25

2-Butanone

Concen: 1.739 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.01 min

Lab File: VX018326.D

Acq: 09 Sep 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

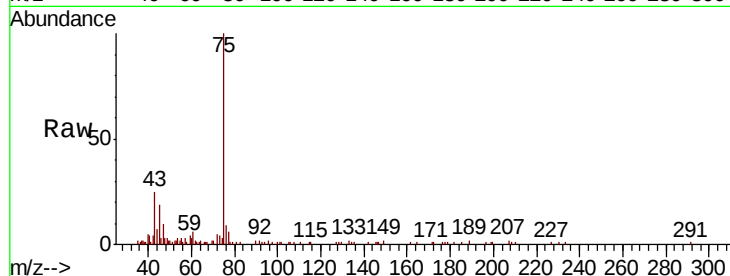
PB131488ZHE#15

Tot Ion: 43 Resp: 6460

Ion Ratio Lower Upper

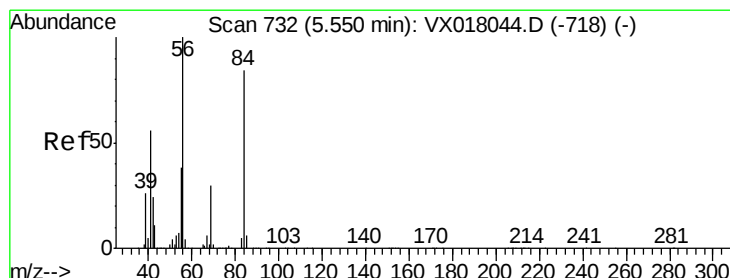
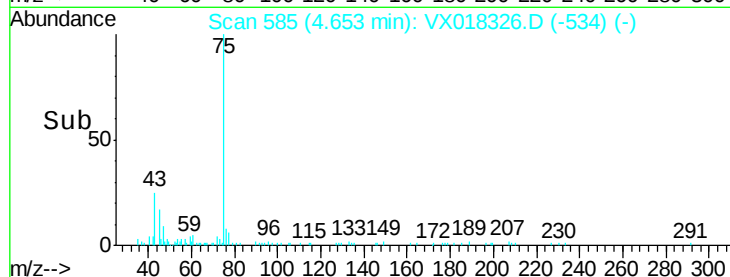
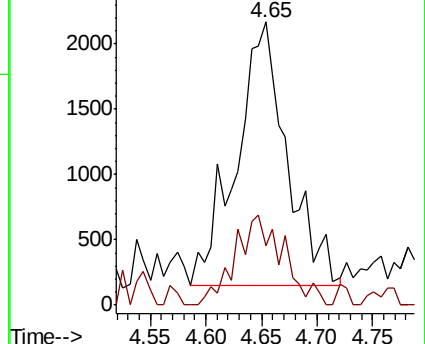
43 100

72 22.7 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.349 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX018326.D

Acq: 09 Sep 2020 16:38

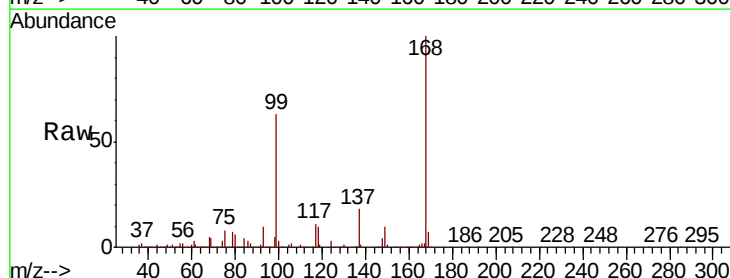
Tgt Ion: 56 Resp: 9363

Ion Ratio Lower Upper

56 100

69 178.2 23.9 35.9#

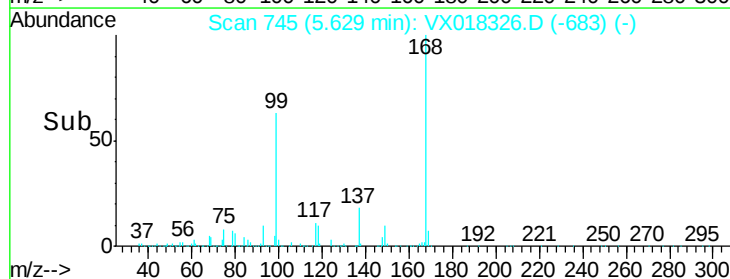
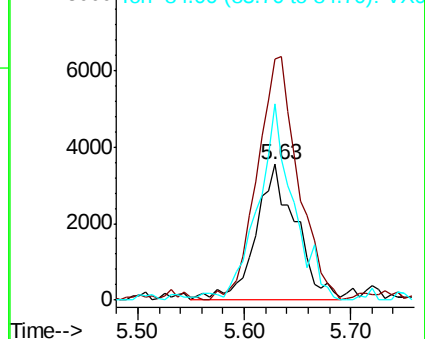
84 144.5 67.0 100.4#

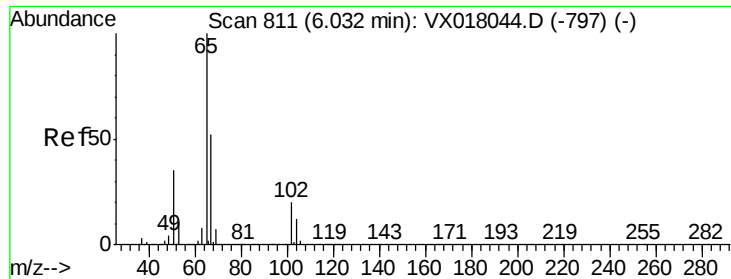


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.175 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018326.D

Acq: 09 Sep 2020 16:38

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ClientSampleId :

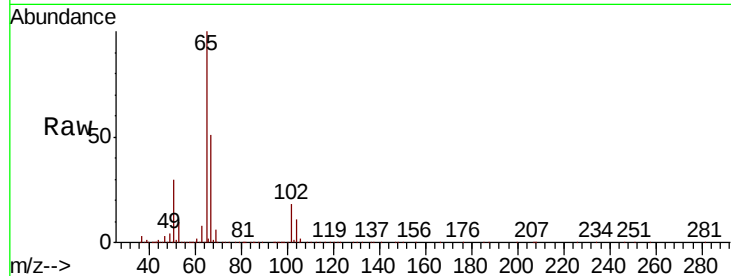
PB131488ZHE#15

Tot Ion: 65 Resp: 308462

Ion Ratio Lower Upper

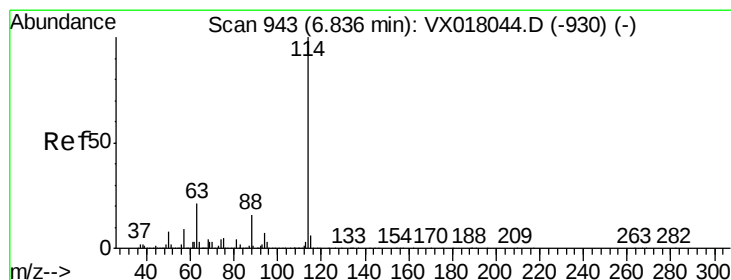
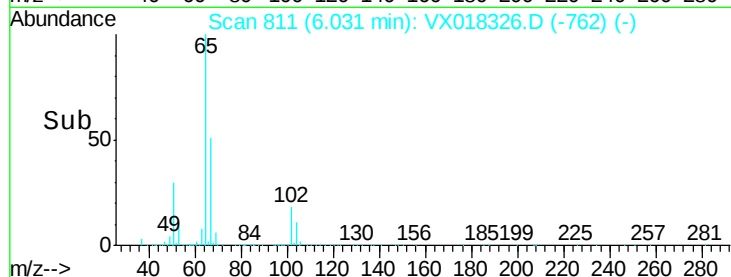
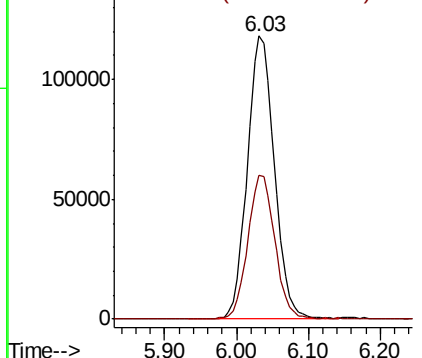
65 100

67 50.8 0.0 105.8



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: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018326.D

Acq: 09 Sep 2020 16:38

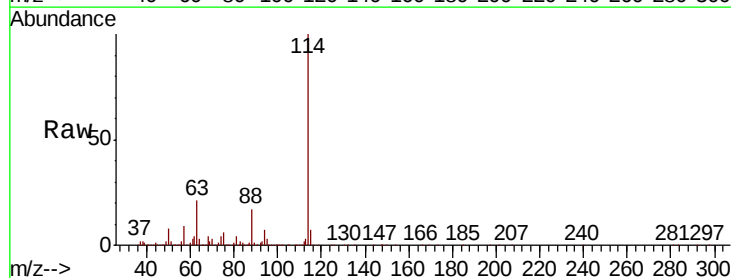
Tgt Ion: 114 Resp: 688543

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

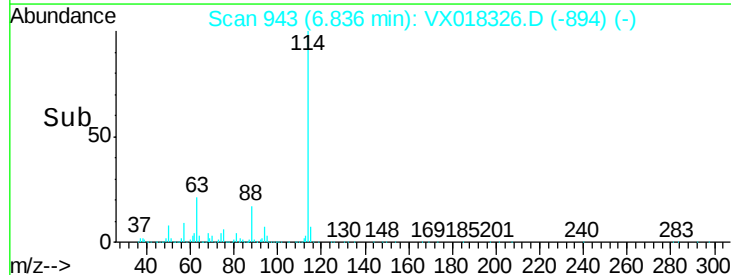
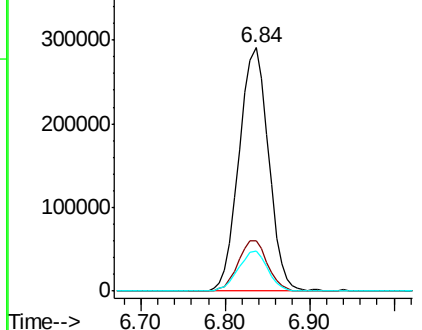
88 16.6 0.0 31.8

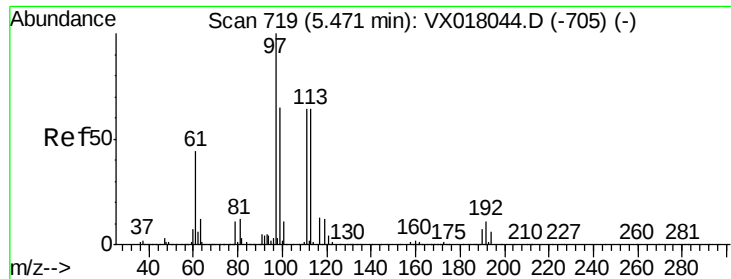


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

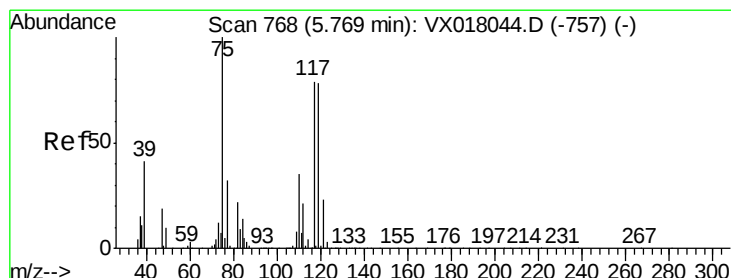
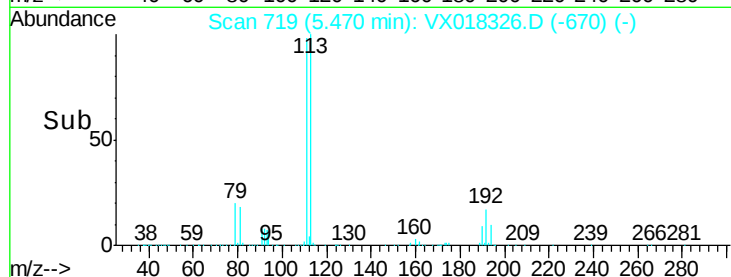
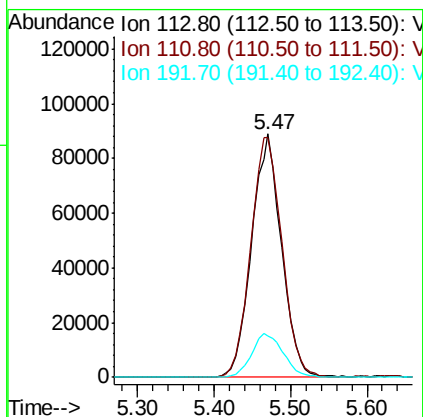
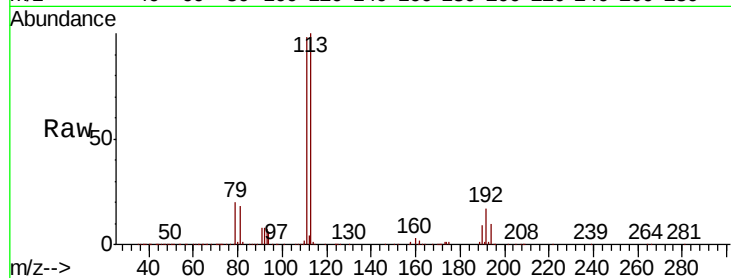




#35
 Dibromofluoromethane
 Concen: 51.640 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX018326.D
 Acq: 09 Sep 2020 16:38

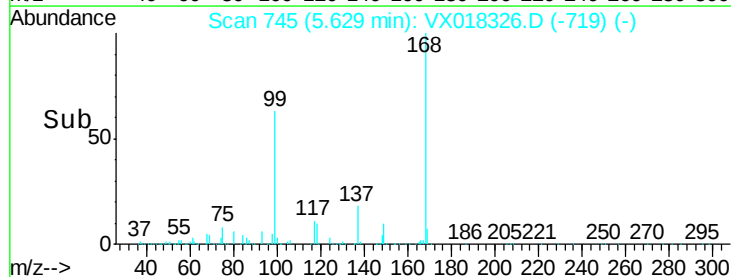
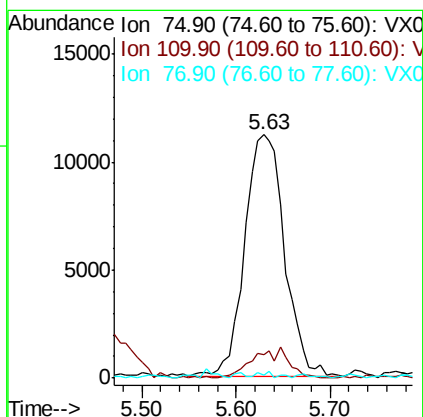
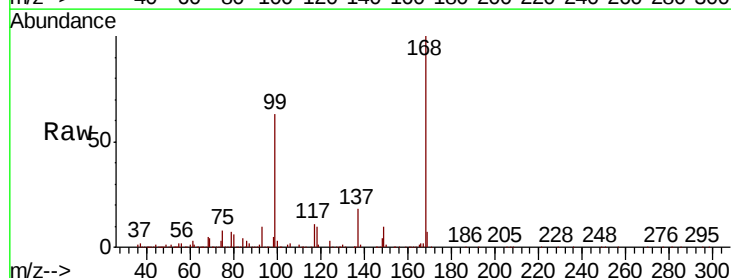
Instrument :
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 PB131488ZHE#15

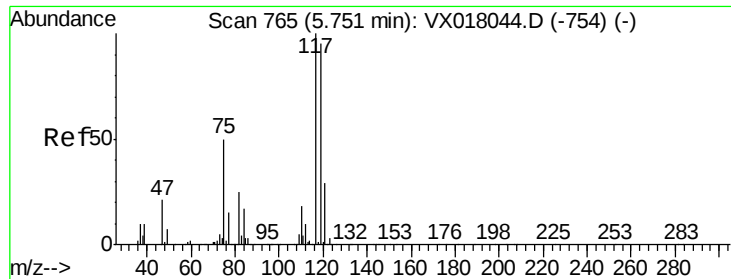
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.6	122.4
192	19.1	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 5.181 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018326.D
 Acq: 09 Sep 2020 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.4	18.0	54.0#
77	0.9	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.267 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018326.D

Acq: 09 Sep 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

PB131488ZHE#15

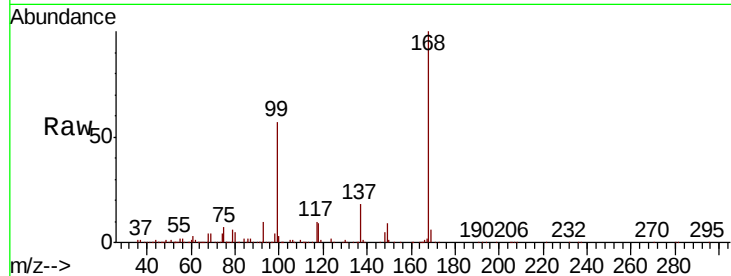
Tot Ion:117 Resp: 44850

Ion Ratio Lower Upper

117 100

119 7.5 75.8 113.6#

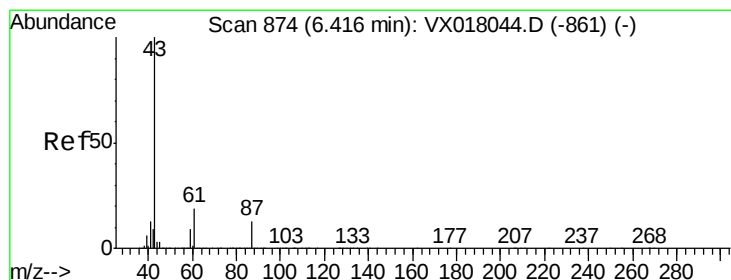
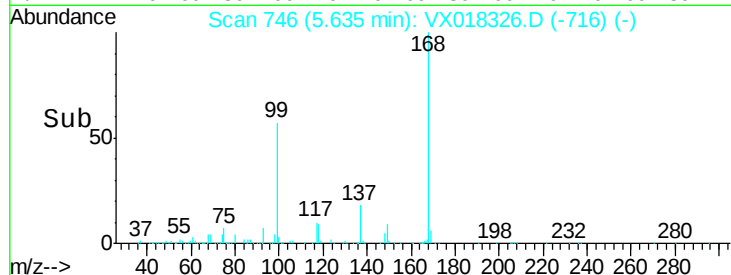
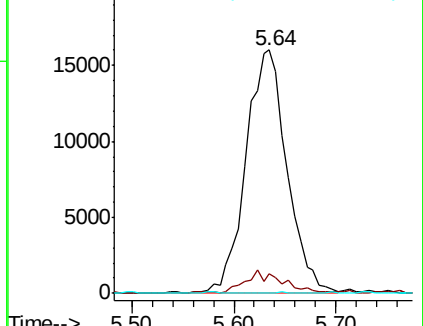
121 0.0 23.4 35.0#



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: 10.217 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018326.D

Acq: 09 Sep 2020 16:38

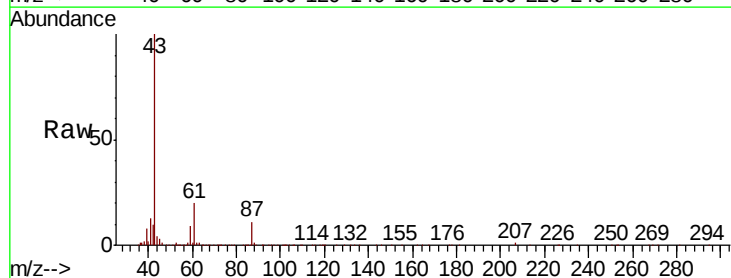
Tgt Ion: 43 Resp: 121721

Ion Ratio Lower Upper

43 100

61 19.6 15.7 23.5

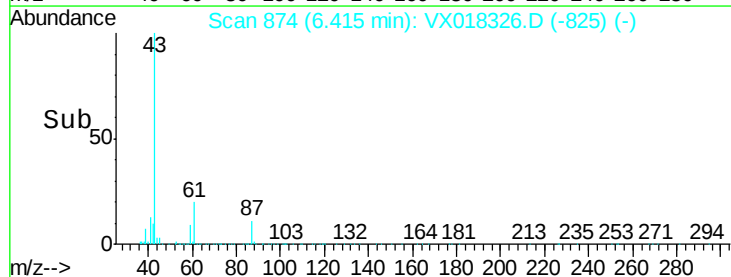
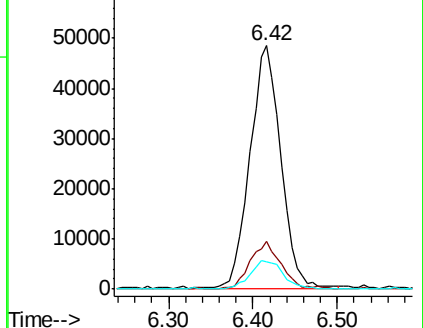
87 12.7 10.3 15.5

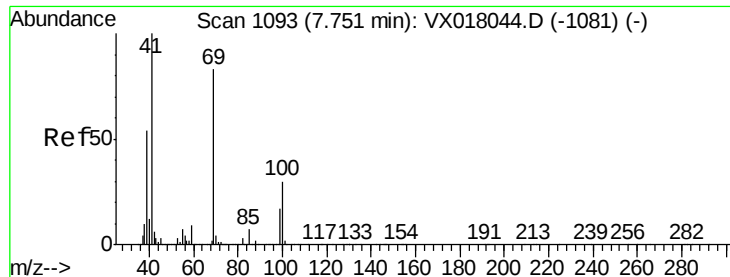


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

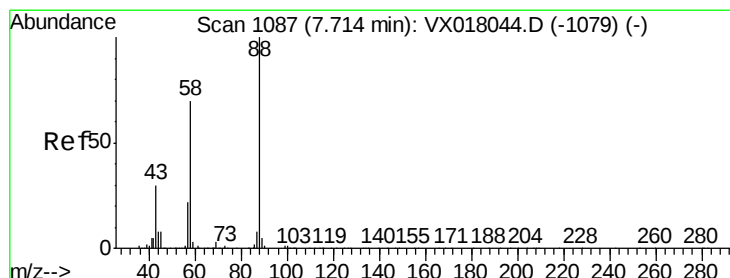
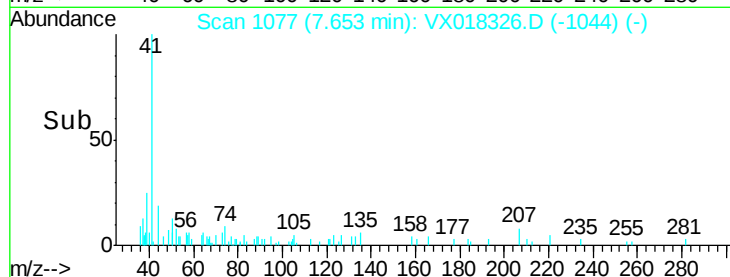
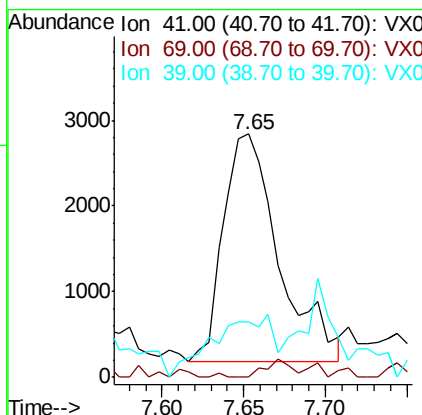
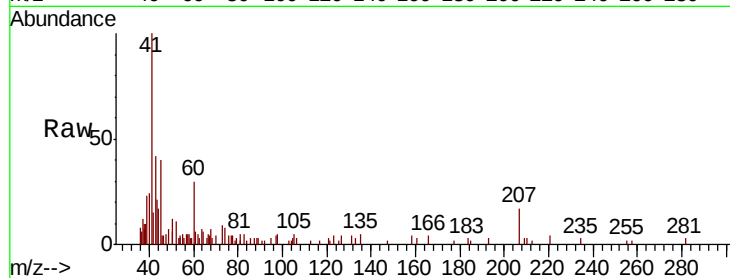




#48
Methyl methacrylate
Concen: 1.063 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.10 min
Lab File: VX018326.D
Acq: 09 Sep 2020 16:38

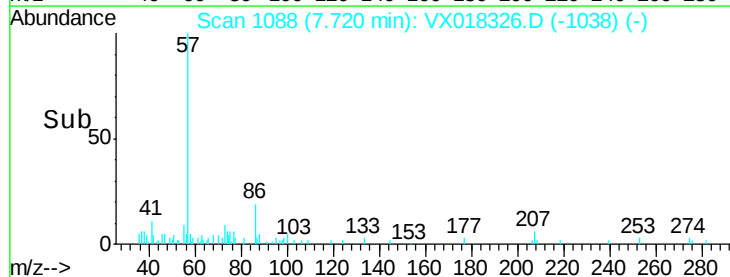
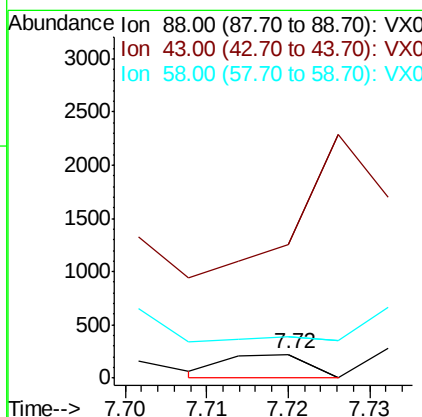
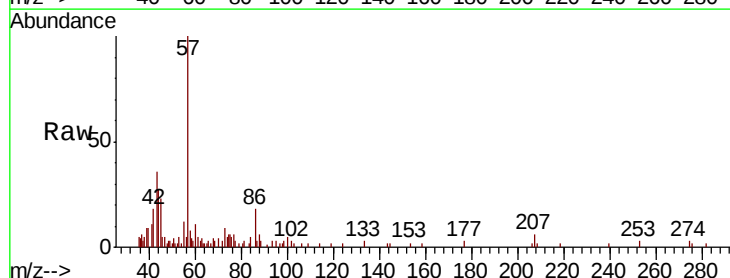
Instrument :
MSVOA_X
ClientSampleId :
PB131488ZHE#15

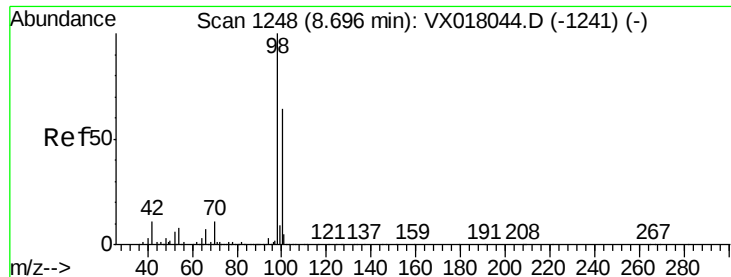
Tot Ion	Ratio	Lower	Upper
41	100		
69	3.6	65.5	98.3#
39	0.0	44.5	66.7#



#49
1,4-Dioxane
Concen: 1.480 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX018326.D
Acq: 09 Sep 2020 16:38

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.4	41.0#
58	0.0	56.4	84.6#





#50

Toluene-d8

Concen: 48.891 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018326.D

Acq: 09 Sep 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

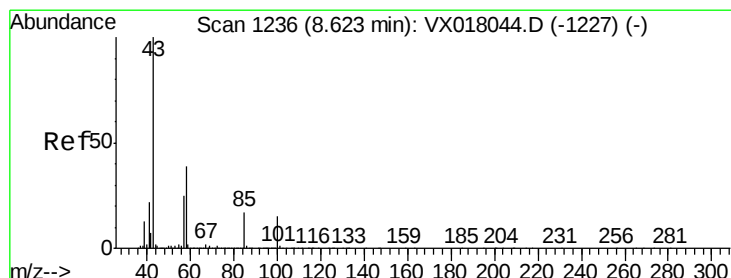
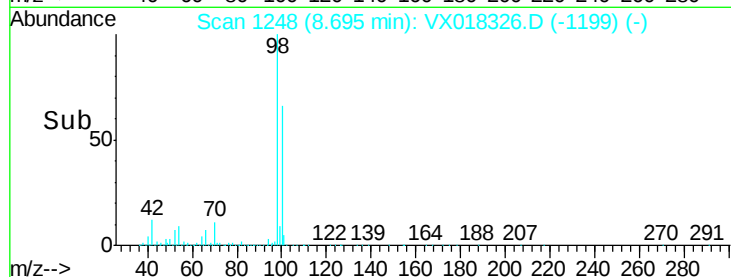
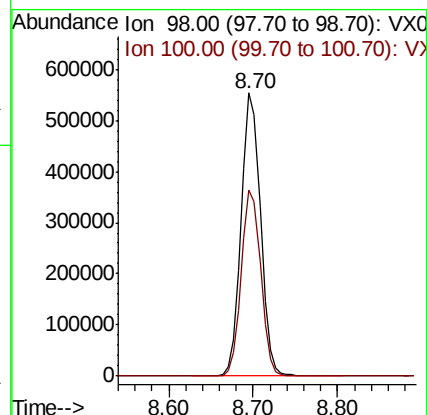
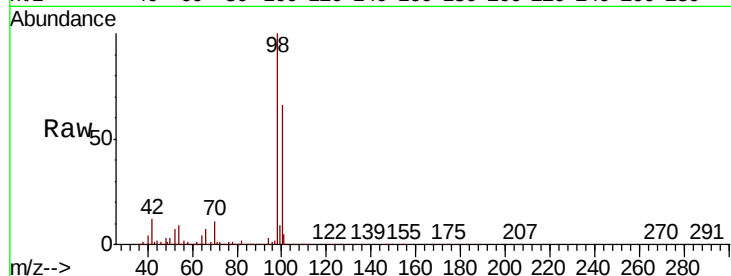
PB131488ZHE#15

Tot Ion: 98 Resp: 853917

Ion Ratio Lower Upper

98 100

100 65.9 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 16.070 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VX018326.D

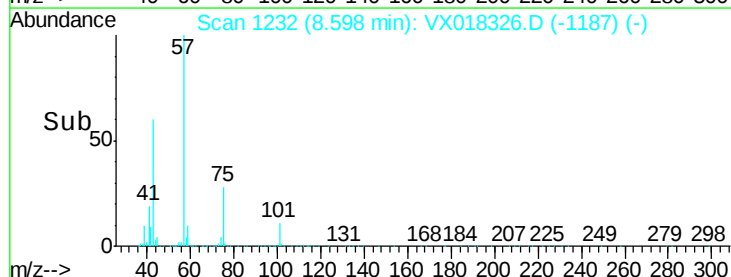
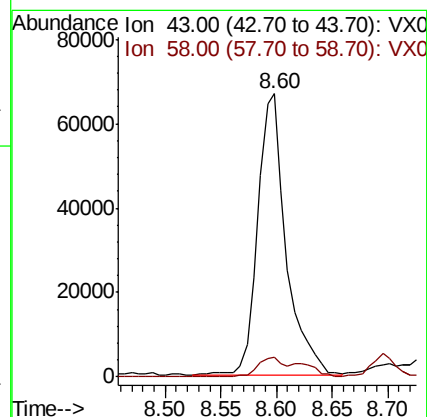
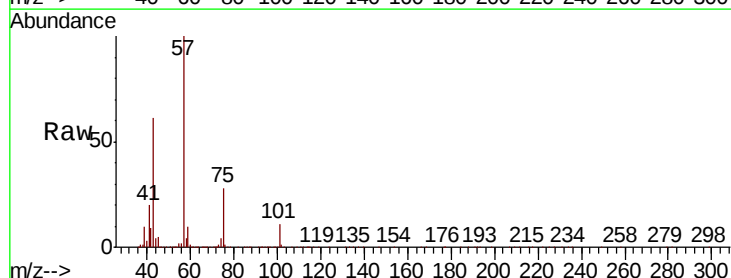
Acq: 09 Sep 2020 16:38

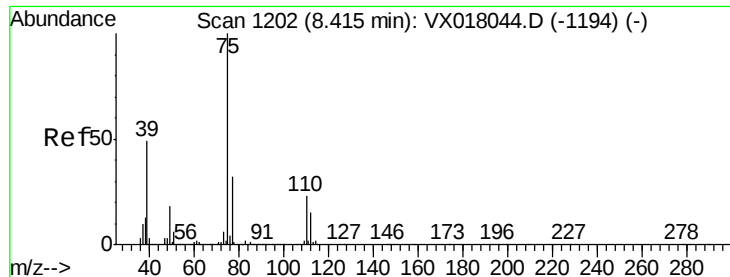
Tgt Ion: 43 Resp: 118261

Ion Ratio Lower Upper

43 100

58 6.0 30.7 46.1#





#54

cis-1,3-Dichloropropene

Concen: 5.811 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX018326.D

Acq: 09 Sep 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

PB131488ZHE#15

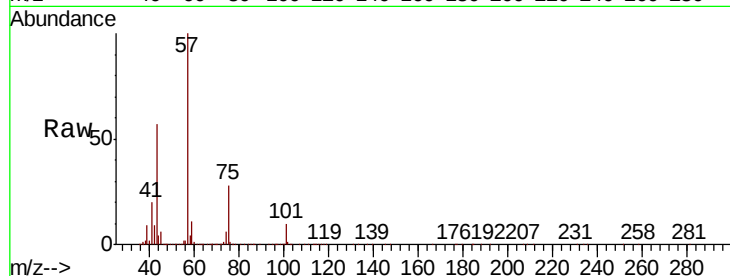
Tot Ion: 75 Resp: 48177

Ion Ratio Lower Upper

75 100

77 1.3 25.8 38.8#

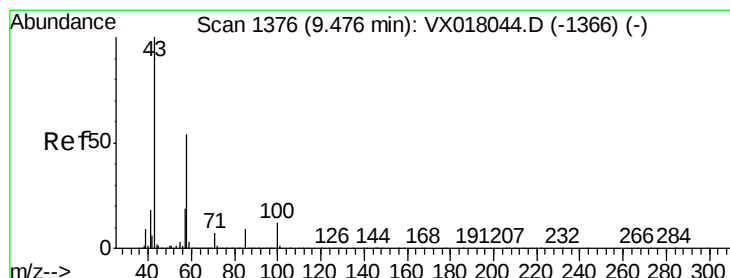
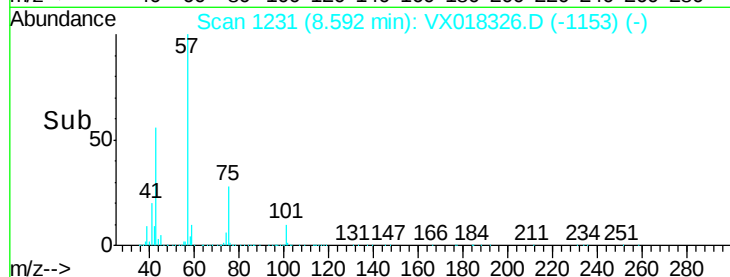
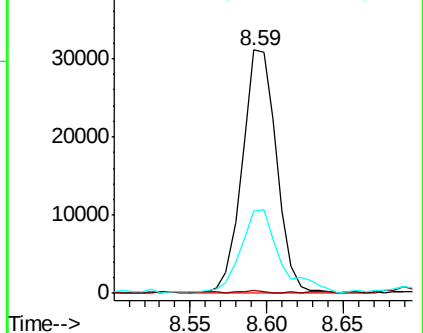
39 34.1 38.8 58.2#



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



#59

2-Hexanone

Concen: 22.625 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX018326.D

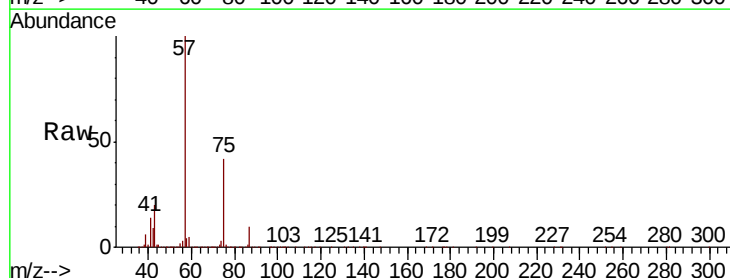
Acq: 09 Sep 2020 16:38

Tgt Ion: 43 Resp: 126607

Ion Ratio Lower Upper

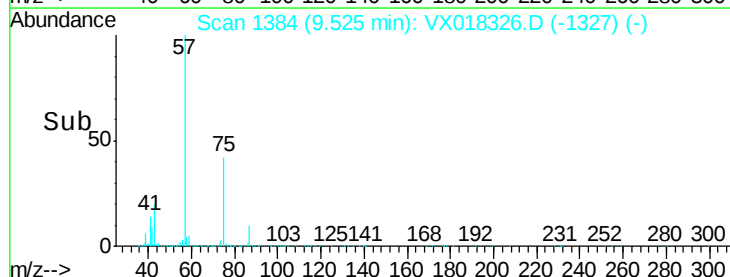
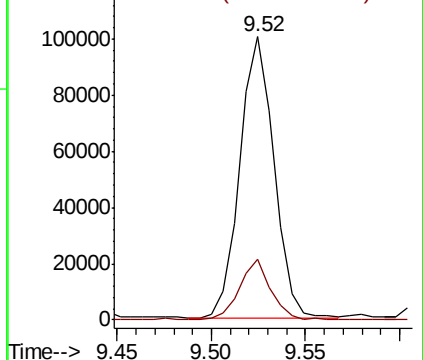
43 100

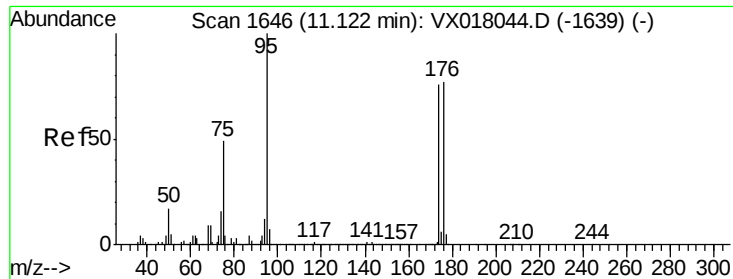
58 19.6 26.6 79.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

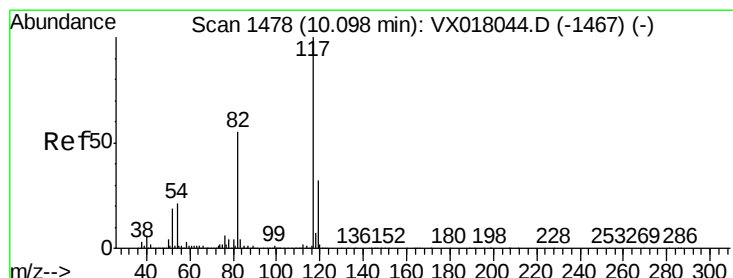
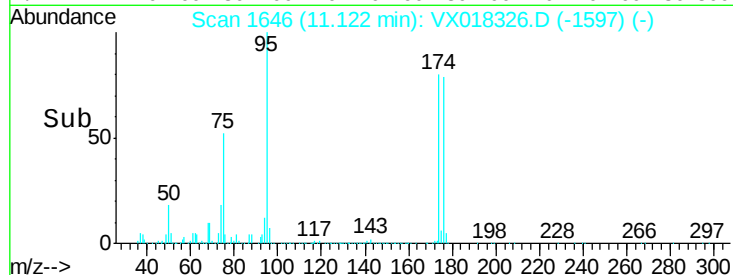
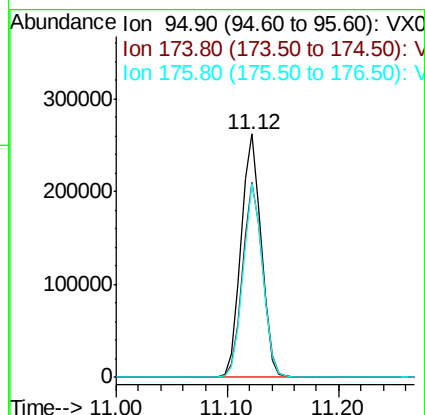
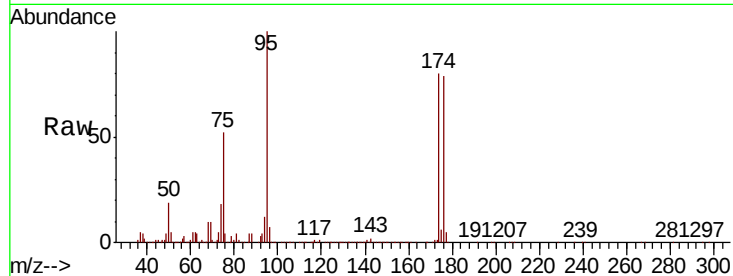




#62
4-Bromofluorobenzene
Concen: 47.968 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018326.D
Acq: 09 Sep 2020 16:38

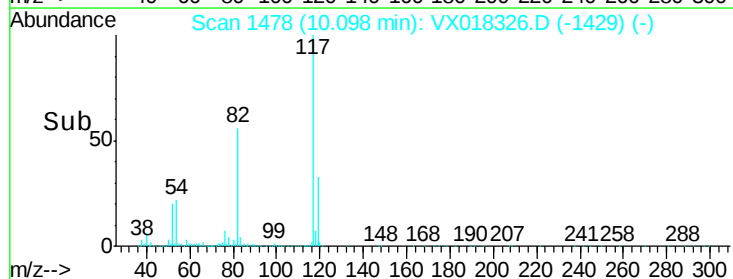
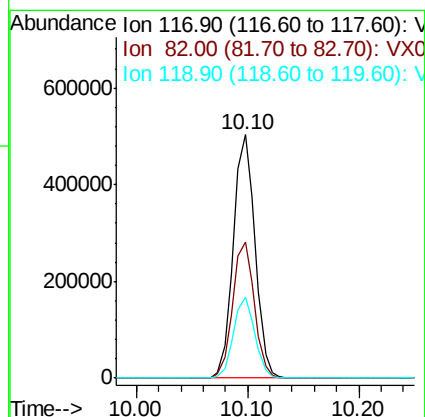
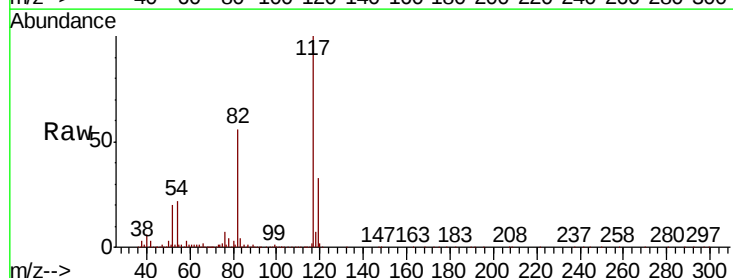
Instrument :
MSVOA_X
ClientSampleId :
PB131488ZHE#15

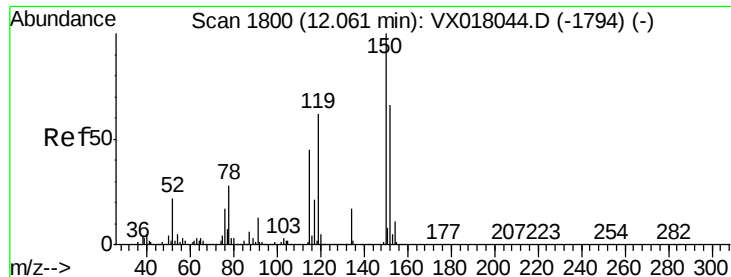
Tot Ion: 95 Resp: 329623
Ion Ratio Lower Upper
95 100
174 79.2 0.0 160.2
176 76.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018326.D
Acq: 09 Sep 2020 16:38

Tgt Ion: 117 Resp: 679210
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.2
119 33.3 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018326.D

Acq: 09 Sep 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

PB131488ZHE#15

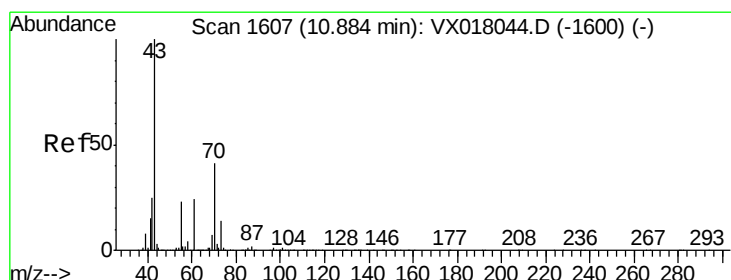
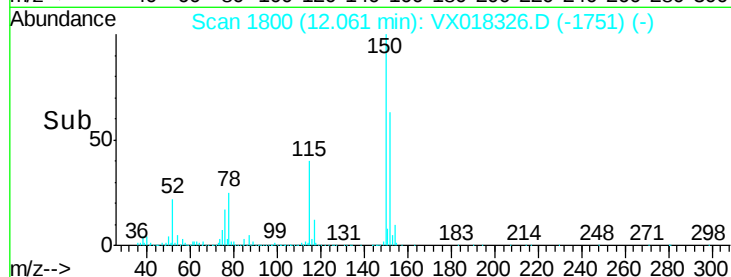
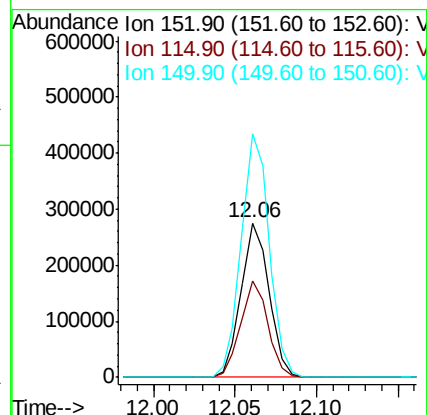
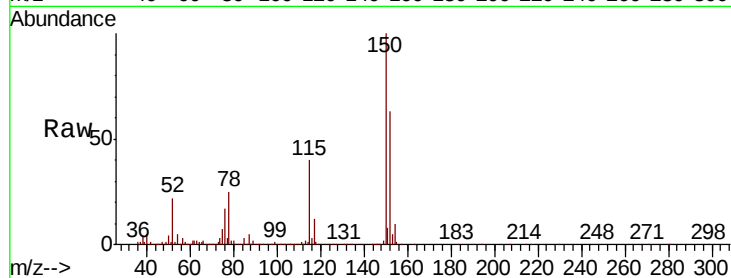
Tot Ion:152 Resp: 330080

Ion Ratio Lower Upper

152 100

115 60.9 41.5 124.5

150 158.5 0.0 343.8



#74

N-ethyl acetate

Concen: 0.507 ug/l

RT: 10.81 min Scan# 1595

Delta R.T. -0.07 min

Lab File: VX018326.D

Acq: 09 Sep 2020 16:38

Tgt Ion: 43 Resp: 5240

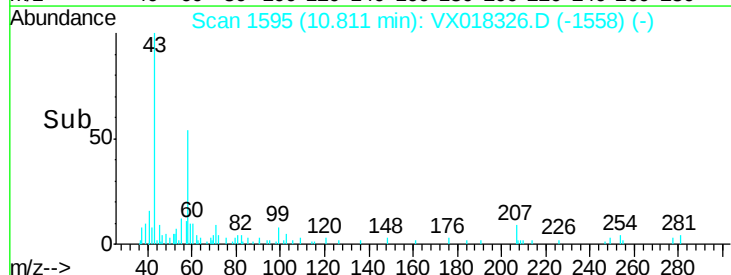
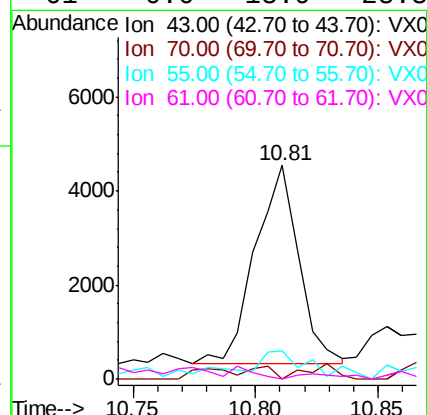
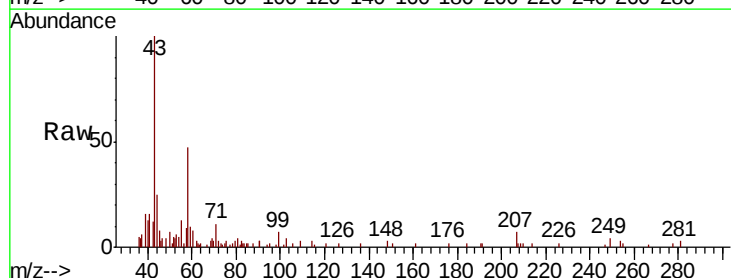
Ion Ratio Lower Upper

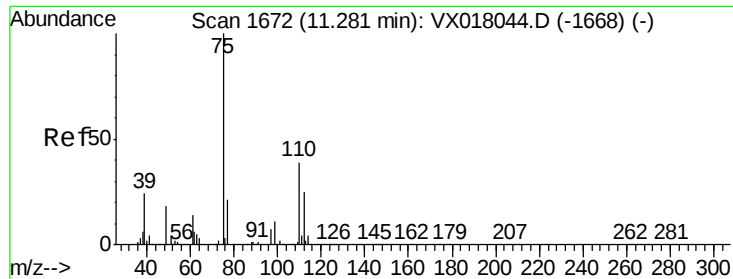
43 100

70 3.5 32.3 48.5#

55 21.7 18.2 27.2

61 0.0 18.9 28.3#

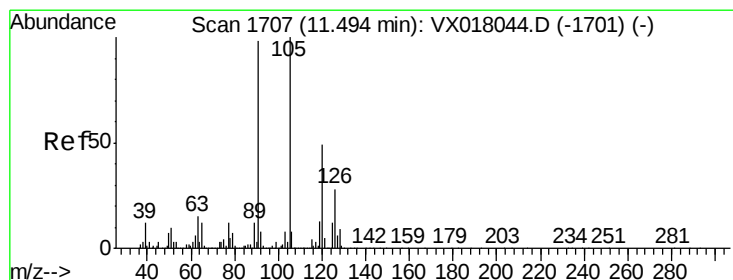
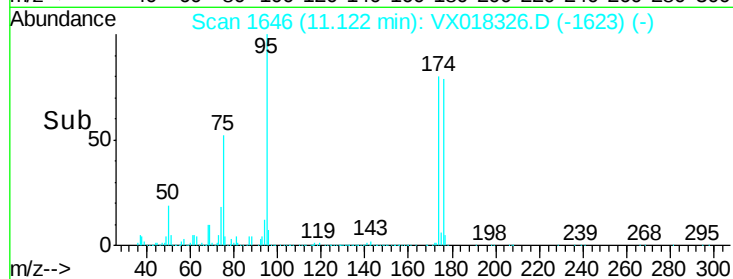
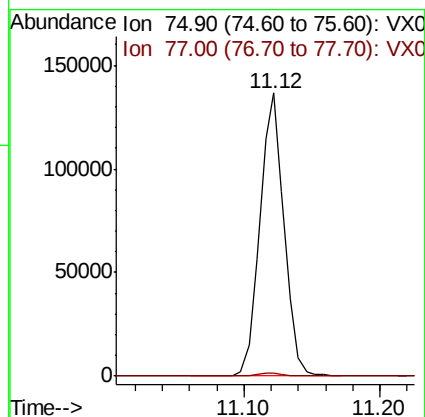
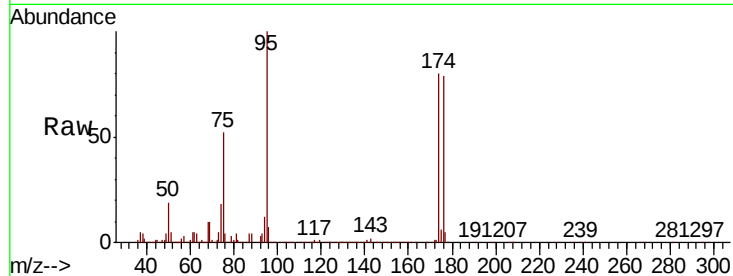




#76
 1,2,3-Trichloropropane
 Concen: 23.166 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX018326.D
 Acq: 09 Sep 2020 16:38

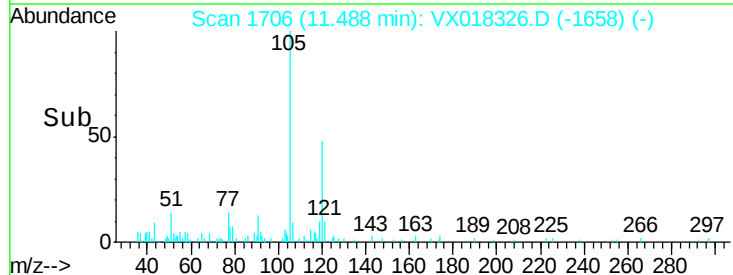
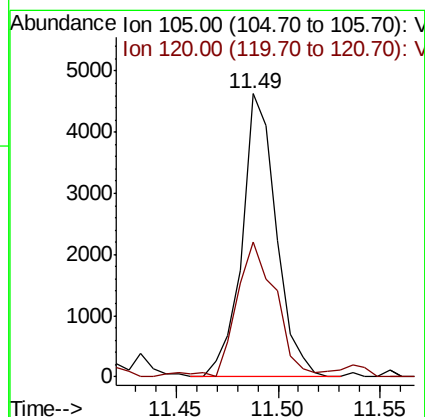
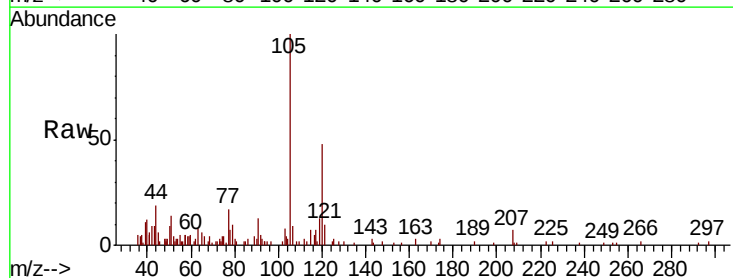
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131488ZHE#15

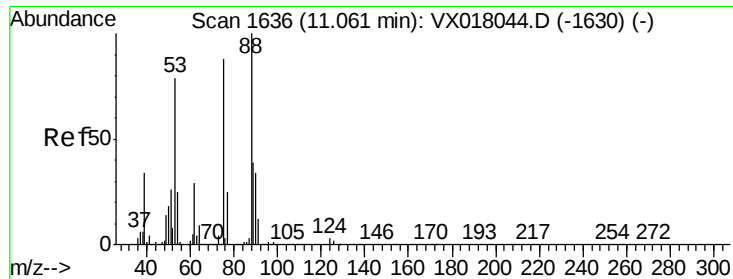
Tot Ion: 75 Resp: 170101
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.8 62.2#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.301 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX018326.D
 Acq: 09 Sep 2020 16:38

Tgt Ion:105 Resp: 5392
 Ion Ratio Lower Upper
 105 100
 120 53.8 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 62.567 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018326.D

Acq: 09 Sep 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

PB131488ZHE#15

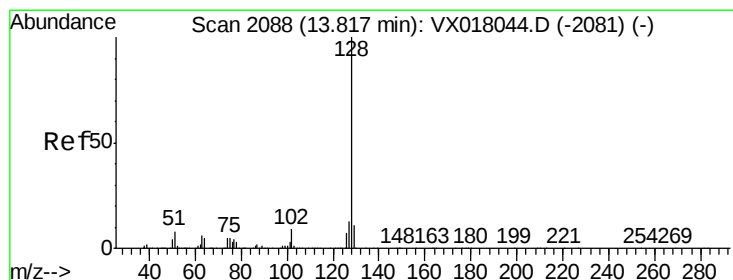
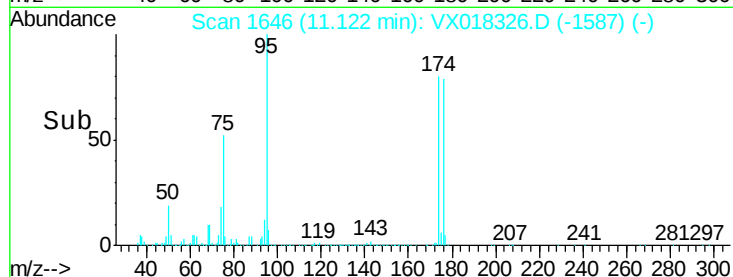
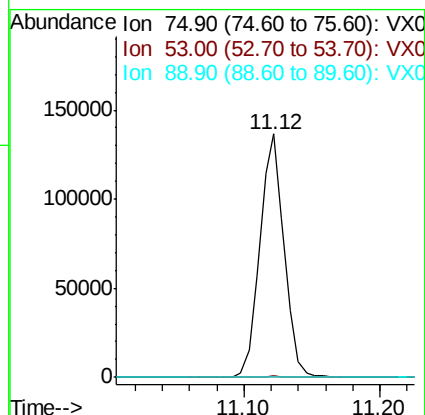
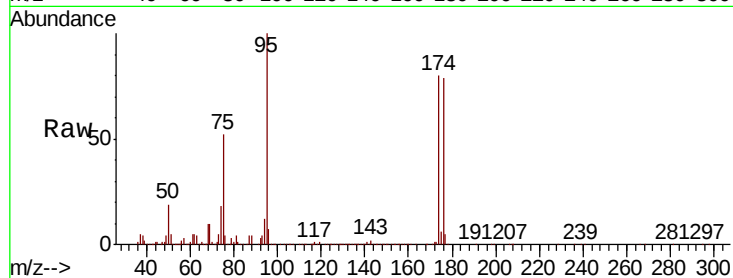
Tot Ion: 75 Resp: 170101

Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.2 36.6 54.8#



#95

Naphthalene

Concen: 0.220 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018326.D

Acq: 09 Sep 2020 16:38

Tgt Ion: 128 Resp: 4802

Ion Ratio Lower Upper

128 100

127 15.0 10.2 15.2

129 21.1 8.7 13.1#

