

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090920\
 Data File : VX018320.D
 Acq On : 09 Sep 2020 14:21
 Operator : JC/SP
 Sample : PB131488TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB131488TB

Quant Time: Sep 10 07:04:34 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	442157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	727868	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	719175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	350768	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	318664	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
35) Dibromofluoromethane	5.47	113	248724	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
50) Toluene-d8	8.70	98	894363	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
62) 4-Bromofluorobenzene	11.12	95	346614	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	

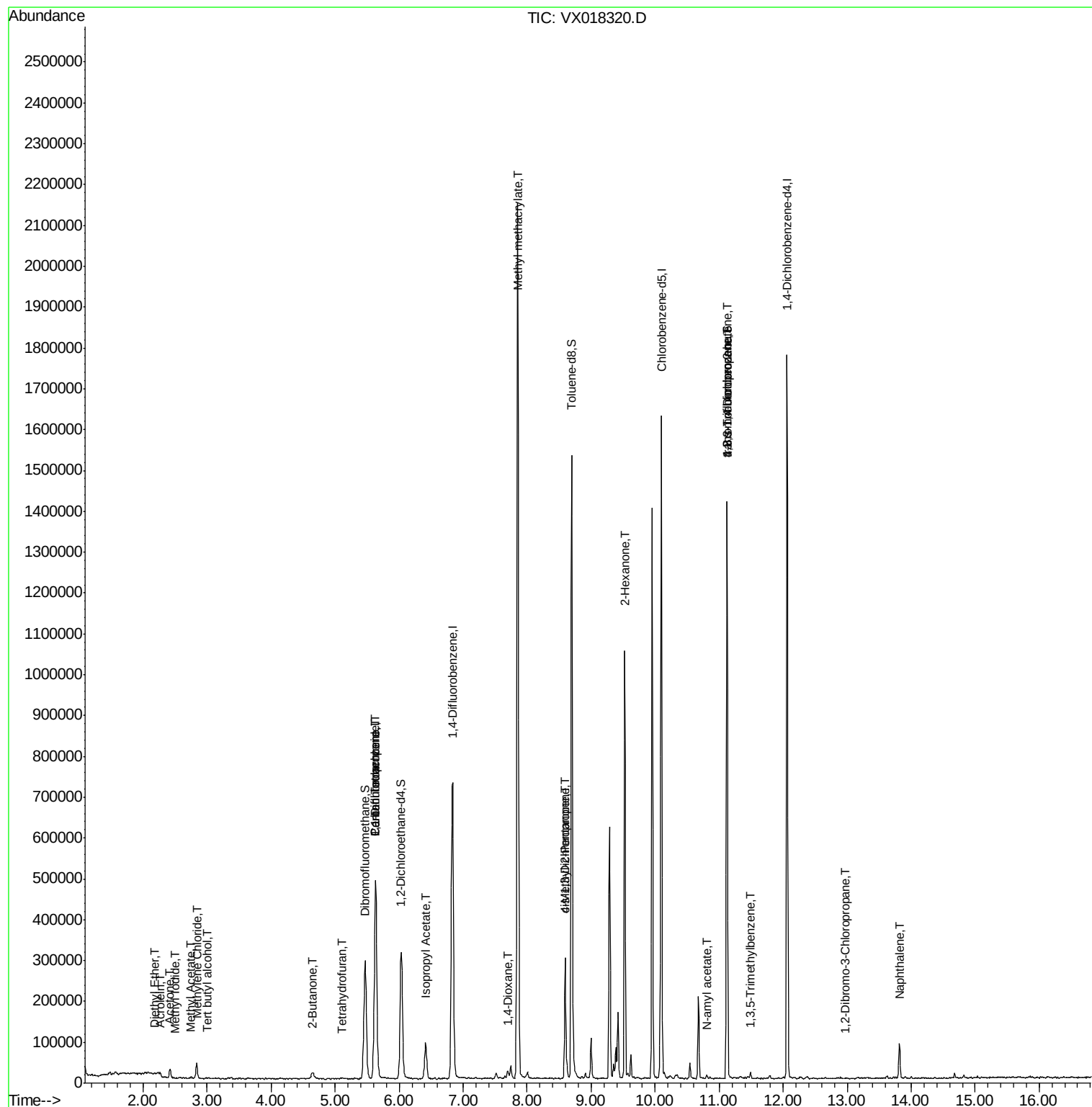
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	534	0.204	ug/l	99
10) Methyl Iodide	2.50	142	541	5.395	ug/l #	61
11) Tert butyl alcohol	3.01	59	1958	1.641	ug/l #	67
13) Acrolein	2.27	56	345	0.697	ug/l #	78
16) Acetone	2.42	43	24474	10.232	ug/l #	86
18) Methyl Acetate	2.75	43	5947	1.030	ug/l	91
20) Methylene Chloride	2.84	84	16737	2.308	ug/l	94
25) 2-Butanone	4.64	43	6413	1.631	ug/l	93
29) Tetrahydrofuran	5.10	42	758	0.303	ug/l #	27
36) 1,1-Dichloropropene	5.63	75	34495	5.138	ug/l #	53
38) Carbon Tetrachloride	5.64	117	47651	6.298	ug/l #	16
43) Isopropyl Acetate	6.42	43	112753	8.953	ug/l	97
48) Methyl methacrylate	7.85	41	188619	30.085	ug/l #	44
49) 1,4-Dioxane	7.70	88	135	1.189	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	109069	14.020	ug/l #	48
54) cis-1,3-Dichloropropene	8.59	75	44565	5.085	ug/l #	60
59) 2-Hexanone	9.52	43	119121	20.137	ug/l #	50
74) N-amyl acetate	10.80	43	4304	0.392	ug/l #	59
76) 1,2,3-Trichloropropane	11.12	75	182284	23.361	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.49	105	5416	0.285	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	182284	63.094	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.98	75	418	0.205	ug/l #	17
95) Naphthalene	13.82	128	56356	2.430	ug/l	97

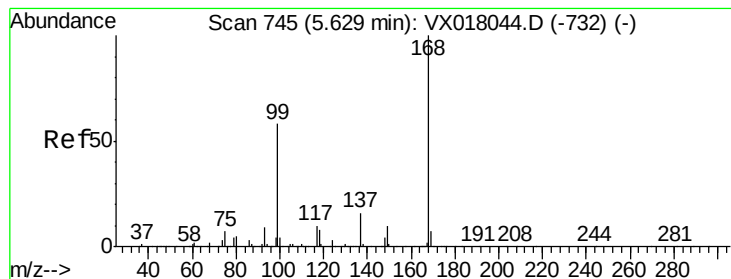
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090920\
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Quant Time: Sep 10 07:04:34 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: VX018320.D

Acq: 09 Sep 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

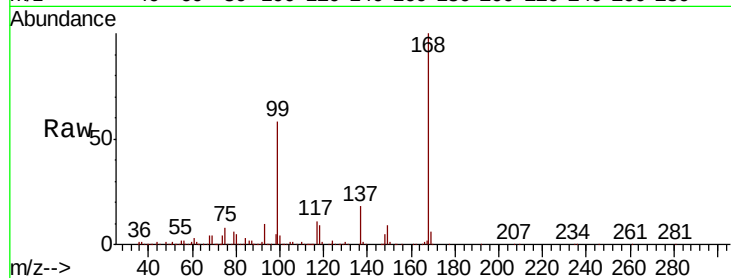
PB131488TB

Tot Ion:168 Resp: 442157

Ion Ratio Lower Upper

168 100

99 58.3 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

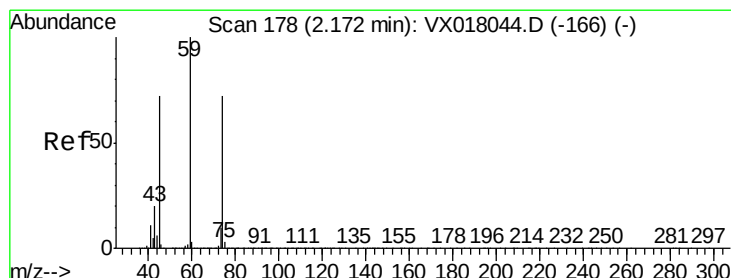
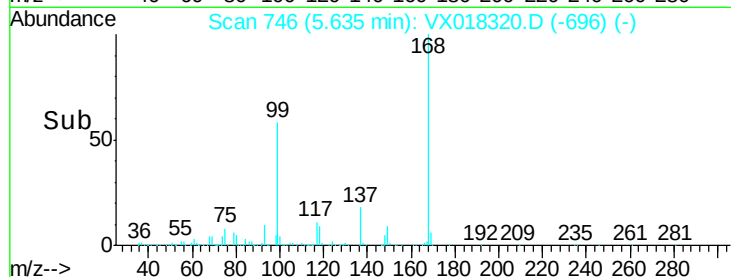
0

Time-->

5.50

5.60

5.70



#8

Diethyl Ether

Concen: 0.204 ug/l

RT: 2.18 min Scan# 180

Delta R.T. 0.01 min

Lab File: VX018320.D

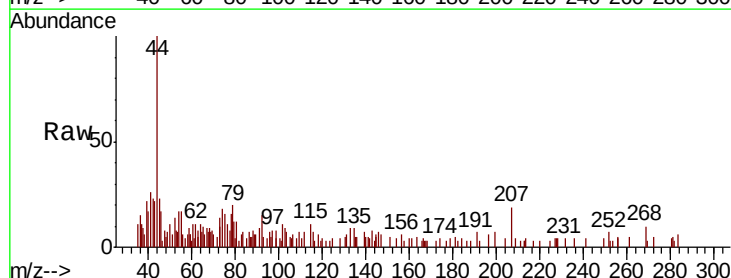
Acq: 09 Sep 2020 14:21

Tgt Ion: 74 Resp: 534

Ion Ratio Lower Upper

74 100

45 100.4 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

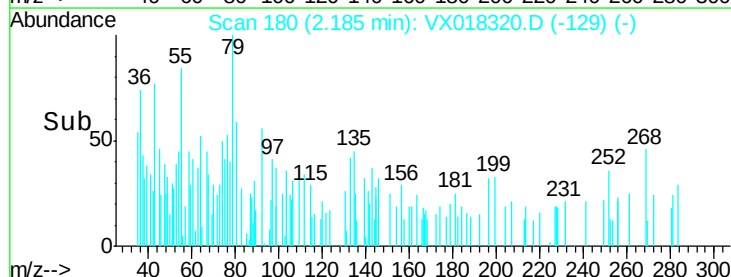
200

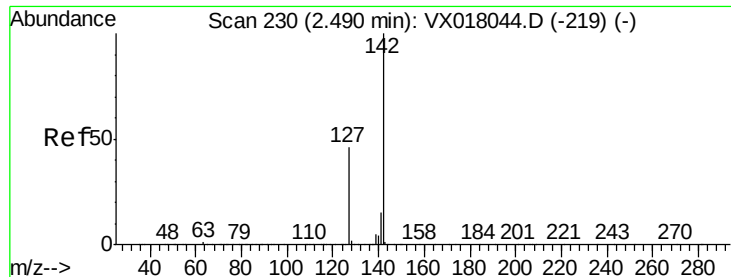
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Time-->

2.15

2.20

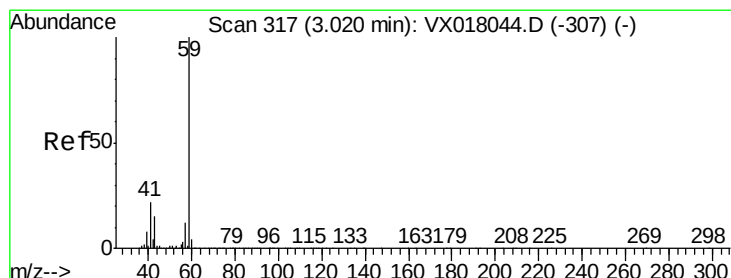
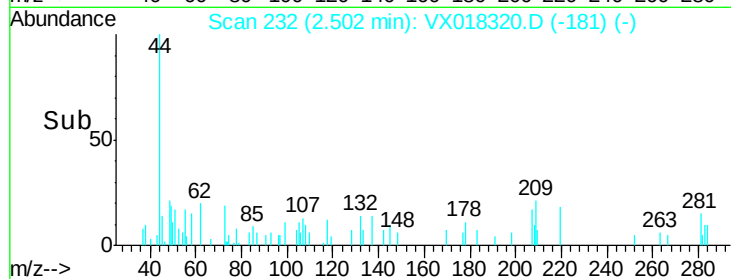
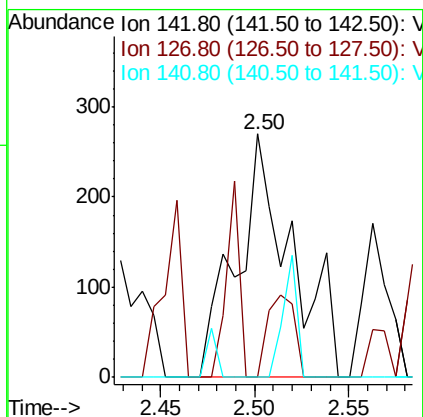
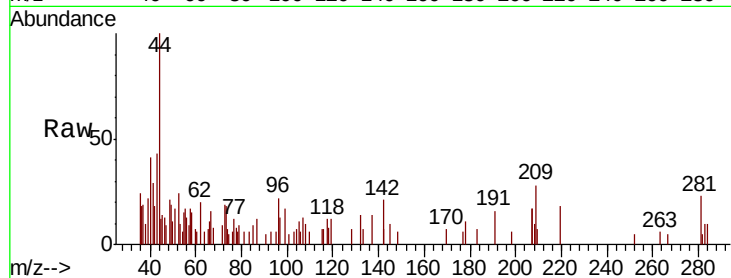




#10
Methvl Iodide
Concen: 5.395 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX018320.D
Acq: 09 Sep 2020 14:21

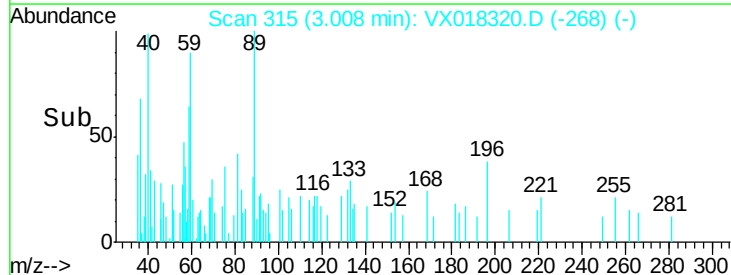
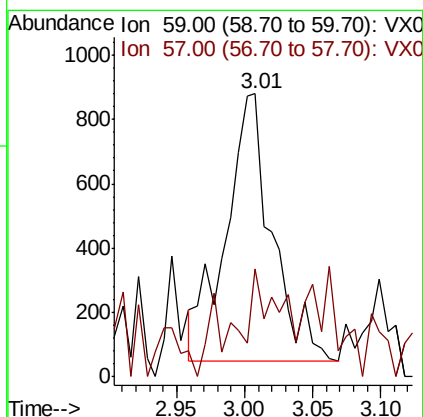
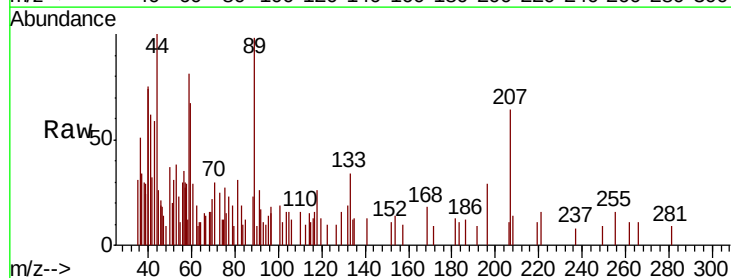
Instrument :
MSVOA_X
ClientSampleId :
PB131488TB

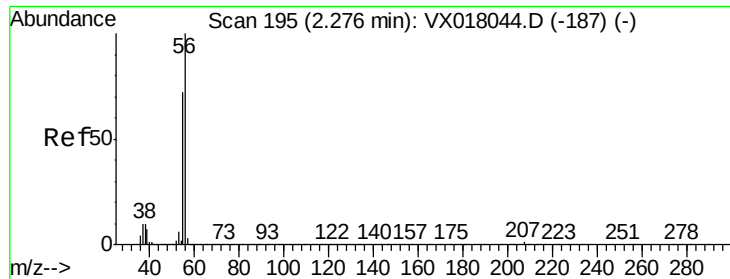
Tot Ion:142 Resp: 541
Ion Ratio Lower Upper
142 100
127 19.4 37.0 55.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 1.641 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018320.D
Acq: 09 Sep 2020 14:21

Tgt Ion: 59 Resp: 1958
Ion Ratio Lower Upper
59 100
57 23.7 8.9 13.3#

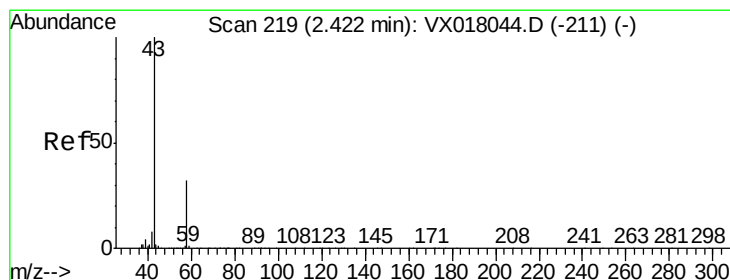
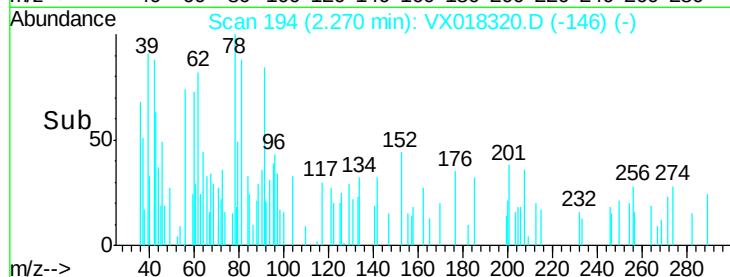
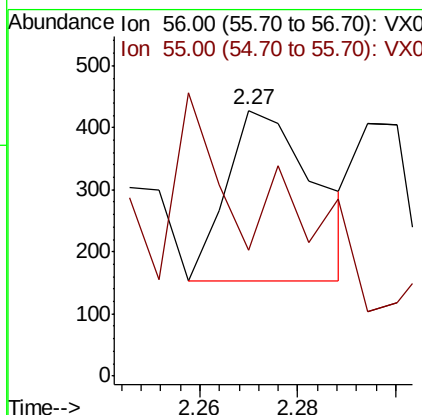
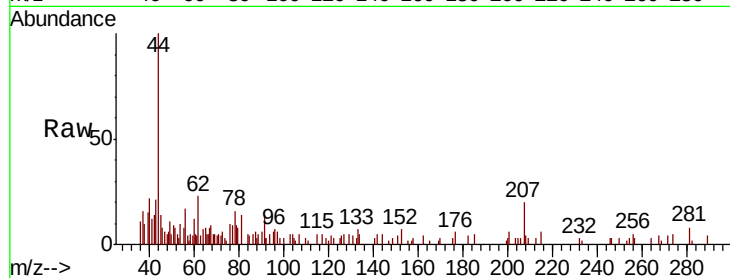




#13
Acrolein
Concen: 0.697 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018320.D
Acq: 09 Sep 2020 14:21

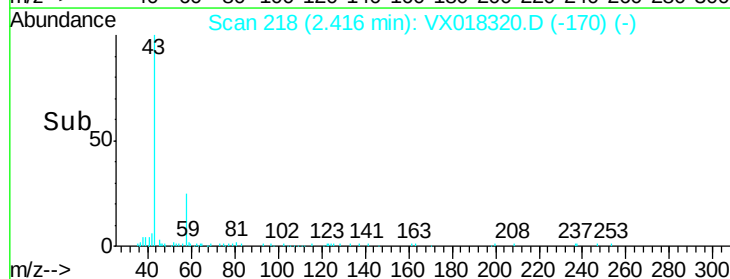
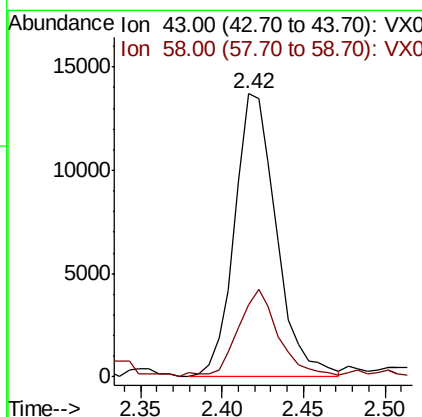
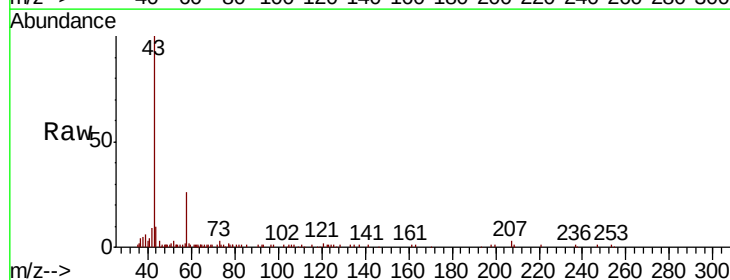
Instrument :
MSVOA_X
ClientSampleID :
PB131488TB

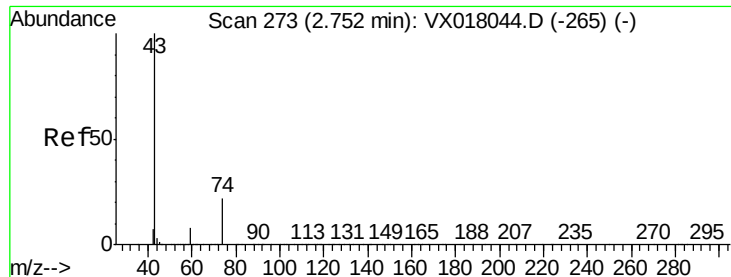
Tot Ion: 56 Resp: 345
Ion Ratio Lower Upper
56 100
55 53.0 57.0 85.6#



#16
Acetone
Concen: 10.232 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX018320.D
Acq: 09 Sep 2020 14:21

Tgt Ion: 43 Resp: 24474
Ion Ratio Lower Upper
43 100
58 24.1 25.5 38.3#

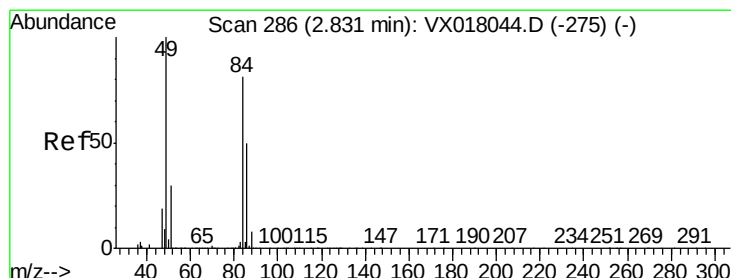
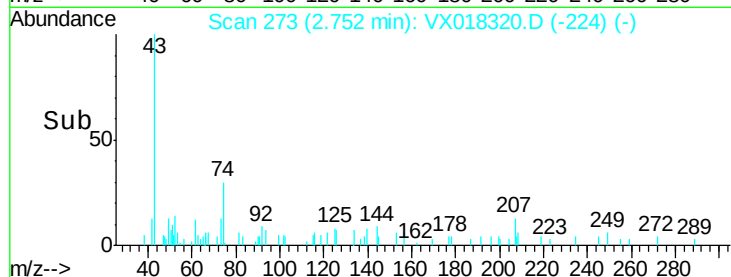
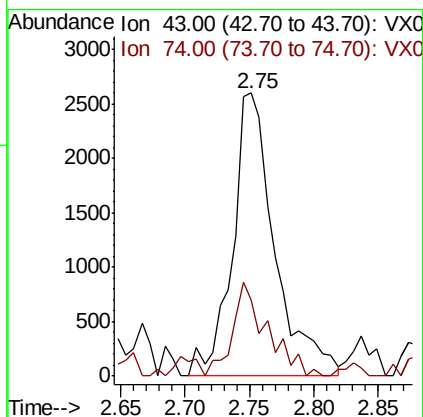
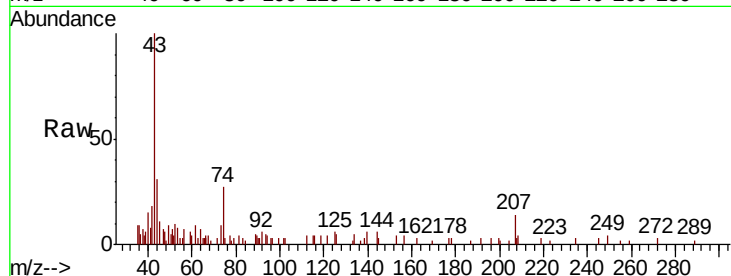




#18
Methvl Acetate
Concen: 1.030 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018320.D
Acq: 09 Sep 2020 14:21

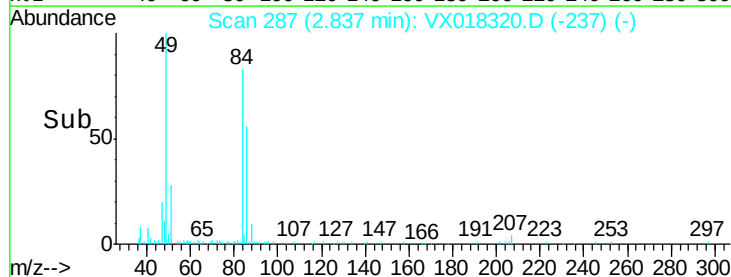
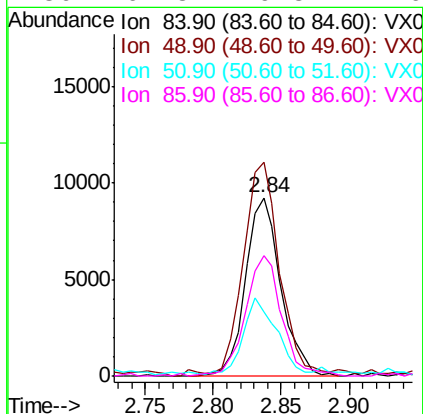
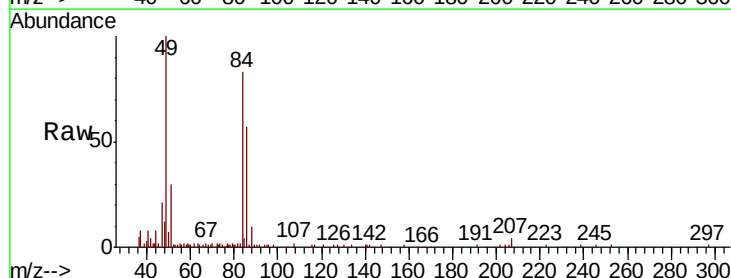
Instrument :
MSVOA_X
ClientSampleId :
PB131488TB

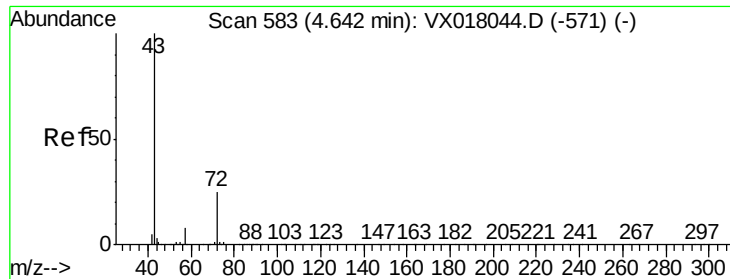
Tot Ion: 43 Resp: 5947
Ion Ratio Lower Upper
43 100
74 27.3 18.2 27.4



#20
Methylene Chloride
Concen: 2.308 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018320.D
Acq: 09 Sep 2020 14:21

Tgt Ion: 84 Resp: 16737
Ion Ratio Lower Upper
84 100
49 116.5 98.6 148.0
51 34.1 29.6 44.4
86 67.8 49.8 74.6

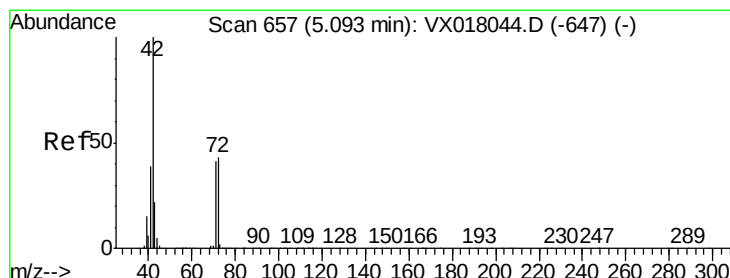
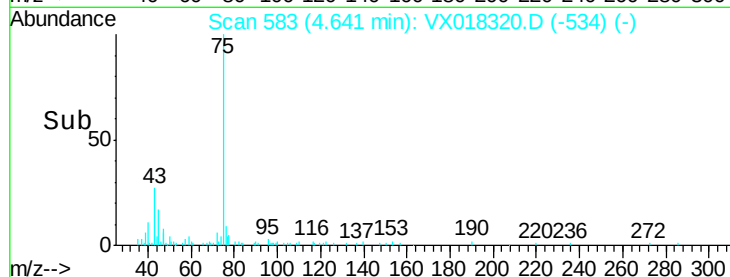
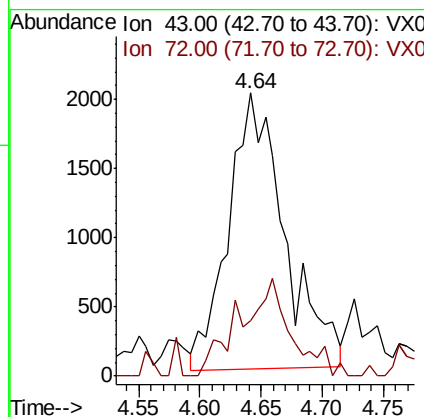
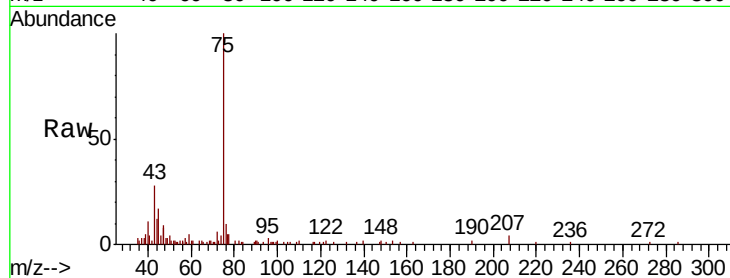




#25
2-Butanone
Concen: 1.631 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX018320.D
Acq: 09 Sep 2020 14:21

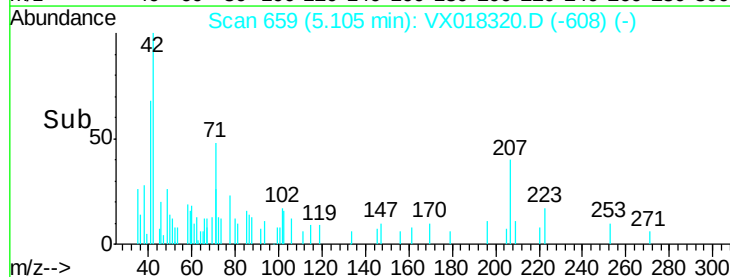
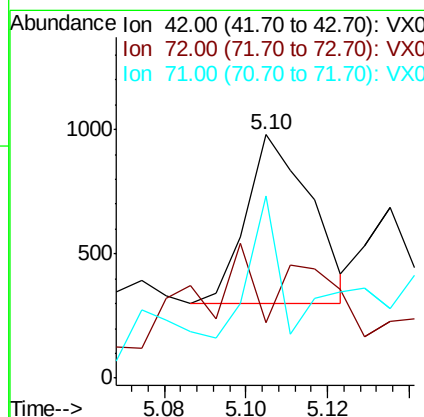
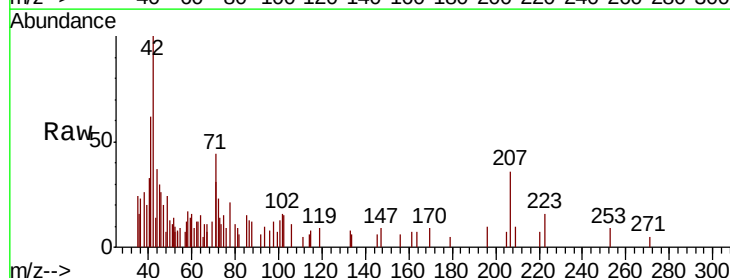
Instrument :
MSVOA_X
ClientSampled :
PB131488TB

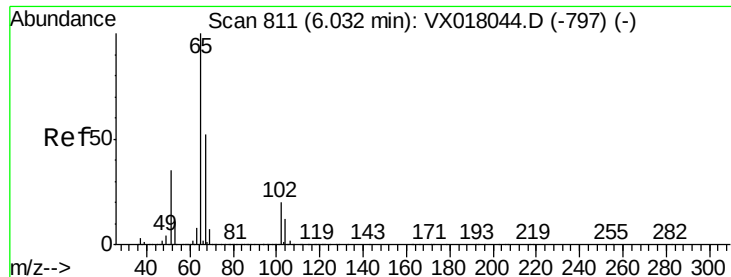
Tot Ion: 43 Resp: 6413
Ion Ratio Lower Upper
43 100
72 21.3 19.8 29.6



#29
Tetrahydrofuran
Concen: 0.303 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX018320.D
Acq: 09 Sep 2020 14:21

Tgt Ion: 42 Resp: 758
Ion Ratio Lower Upper
42 100
72 100.8 34.2 51.4#
71 73.9 32.1 48.1#

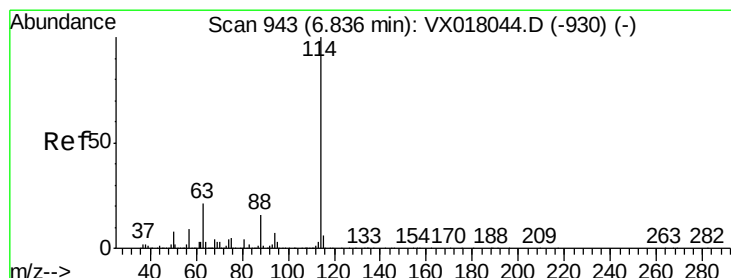
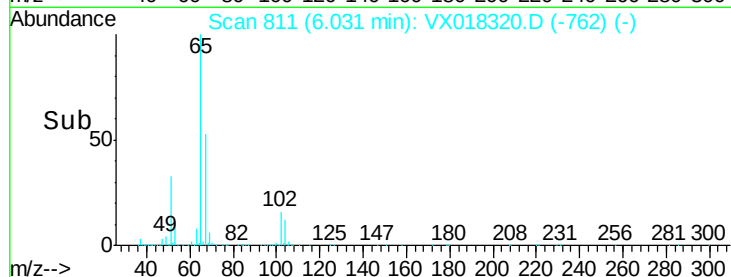
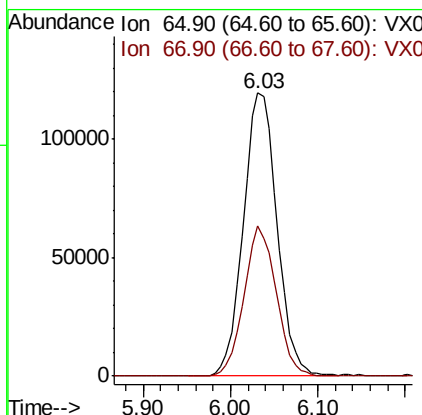
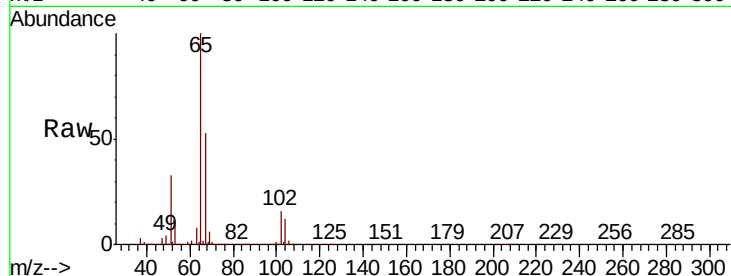




#33
 1,2-Dichloroethane-d4
 Concen: 51.914 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018320.D
 Acq: 09 Sep 2020 14:21

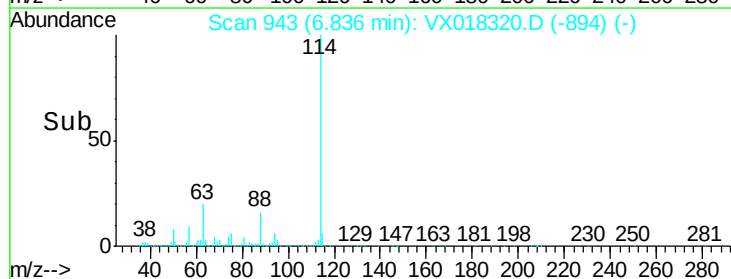
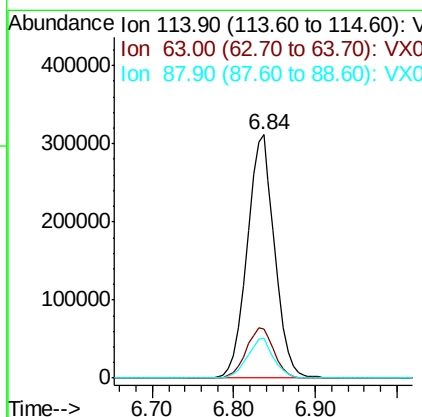
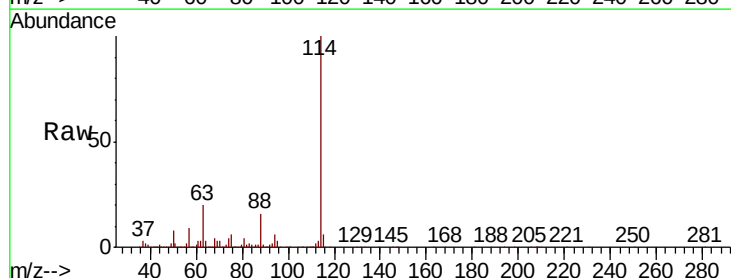
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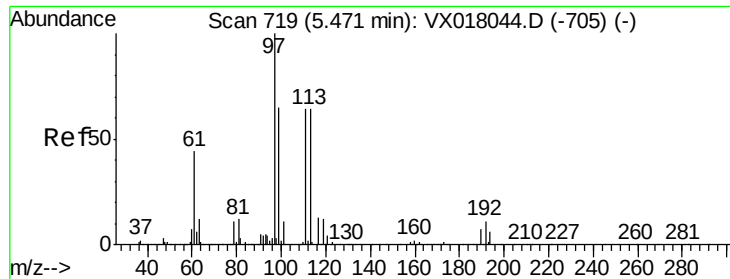
Tot Ion: 65 Resp: 318664
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VX018320.D
 Acq: 09 Sep 2020 14:21

Tgt Ion: 114 Resp: 727868
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 42.6
 88 16.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.175 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018320.D

Acq: 09 Sep 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

PB131488TB

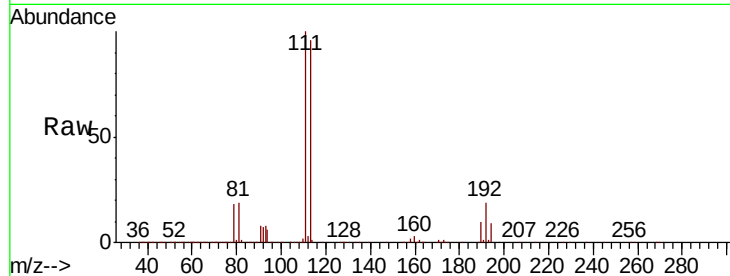
Tot Ion:113 Resp: 248724

Ion Ratio Lower Upper

113 100

111 102.3 81.6 122.4

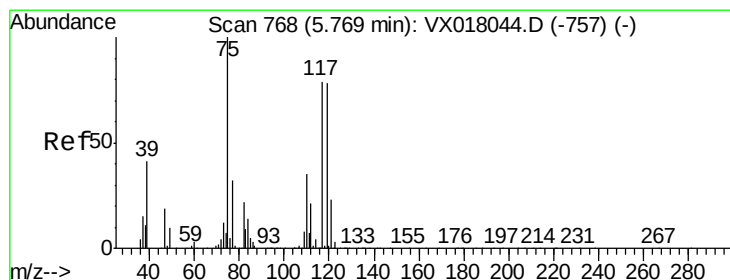
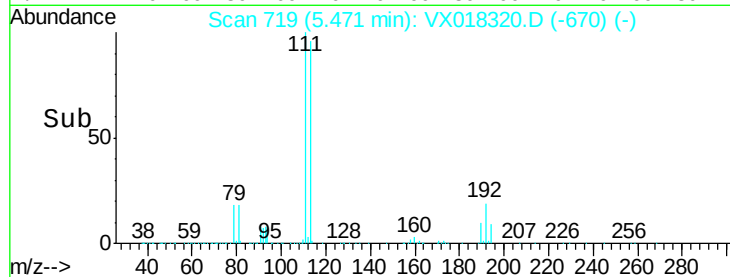
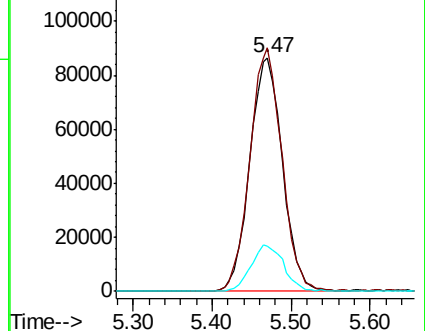
192 20.0 15.8 23.8



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: 5.138 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018320.D

Acq: 09 Sep 2020 14:21

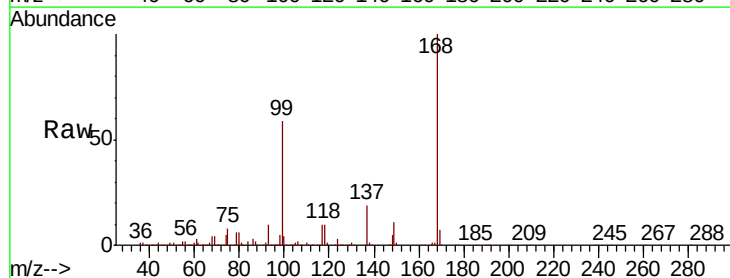
Tgt Ion: 75 Resp: 34495

Ion Ratio Lower Upper

75 100

110 12.7 18.0 54.0#

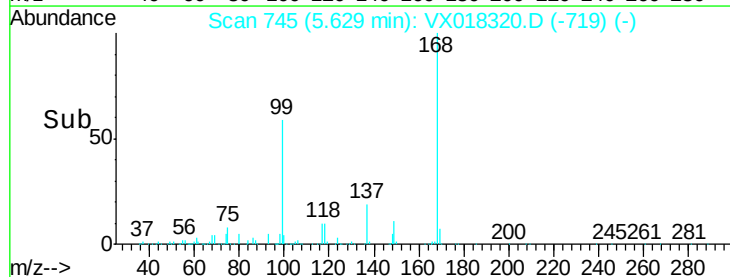
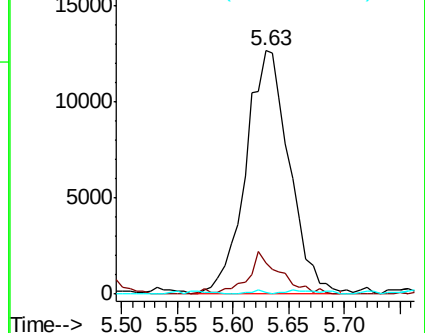
77 0.5 24.4 36.6#

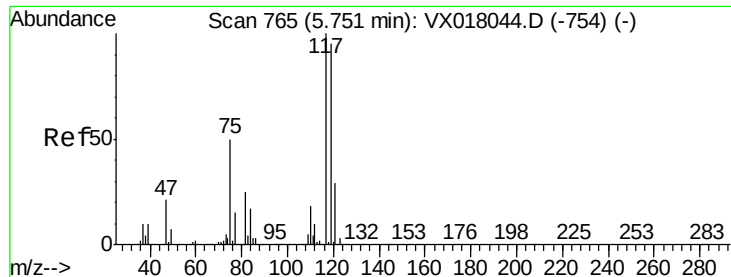


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.298 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018320.D

Acq: 09 Sep 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

PB131488TB

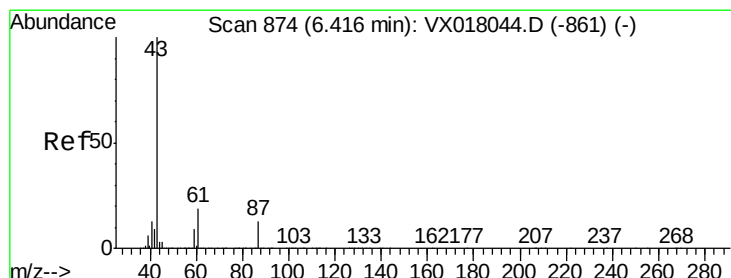
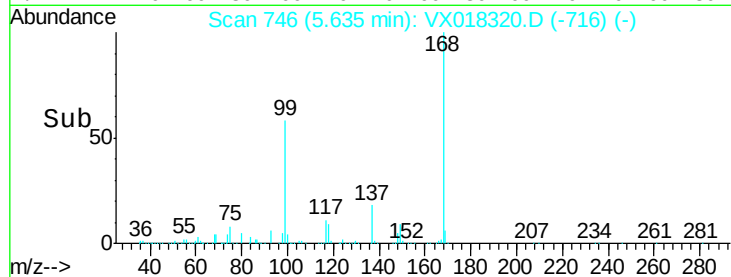
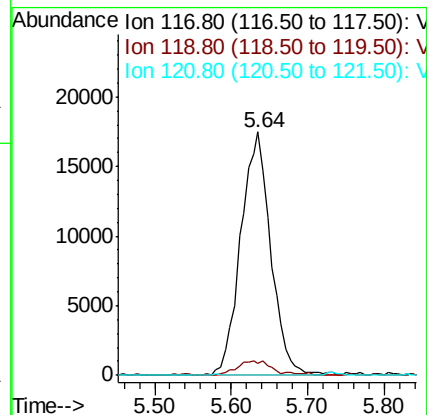
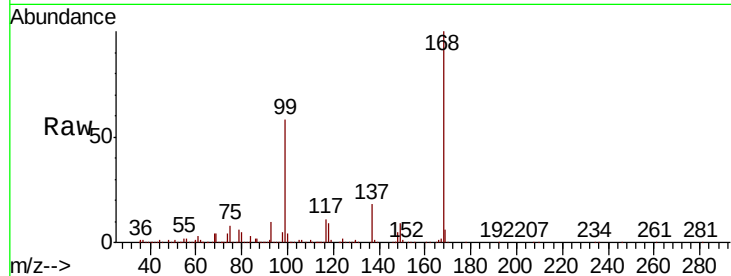
Tot Ion:117 Resp: 47651

Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.6#

121 0.0 23.4 35.0#



#43

Isopropyl Acetate

Concen: 8.953 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018320.D

Acq: 09 Sep 2020 14:21

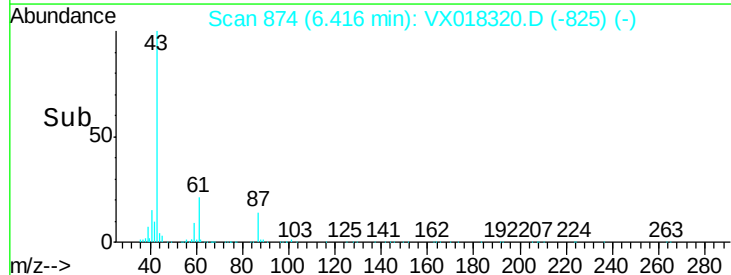
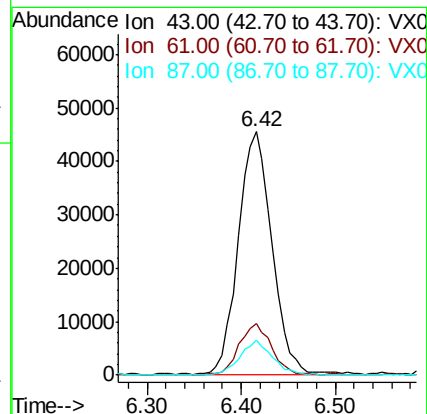
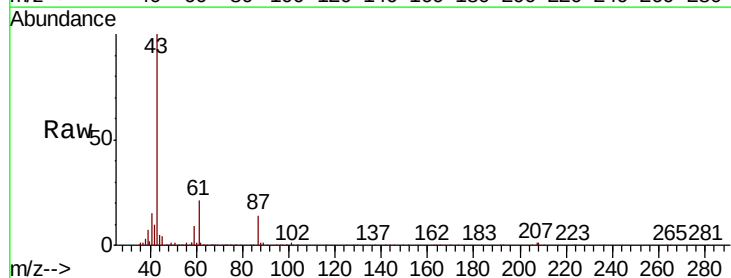
Tgt Ion: 43 Resp: 112753

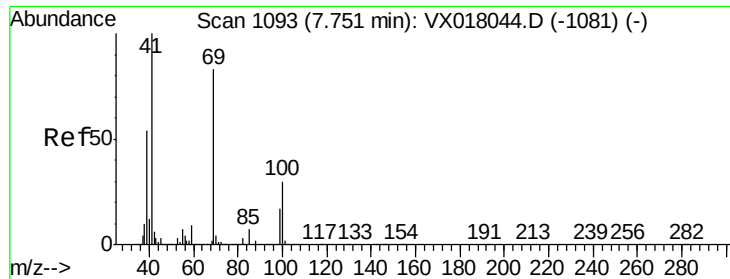
Ion Ratio Lower Upper

43 100

61 20.8 15.7 23.5

87 13.9 10.3 15.5

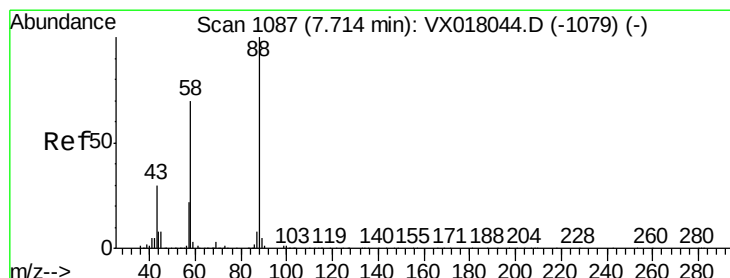
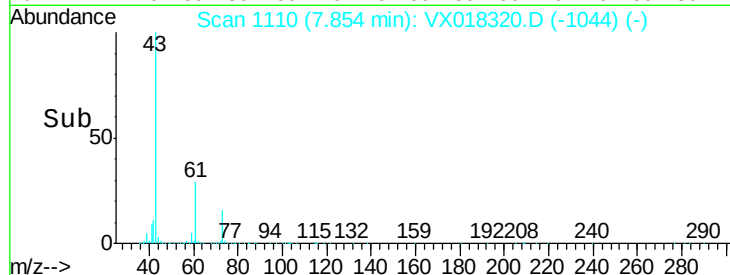
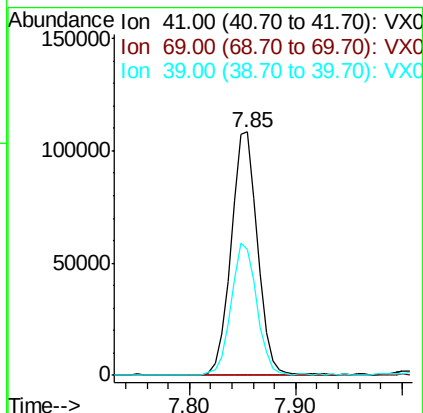
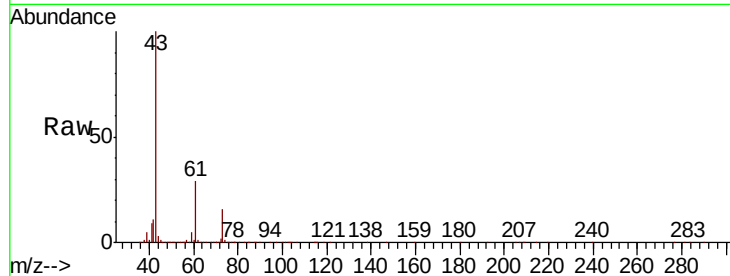




#48
Methvl methacrylate
Concen: 30.085 ug/l
RT: 7.85 min Scan# 1110
Delta R.T. 0.10 min
Lab File: VX018320.D
Acq: 09 Sep 2020 14:21

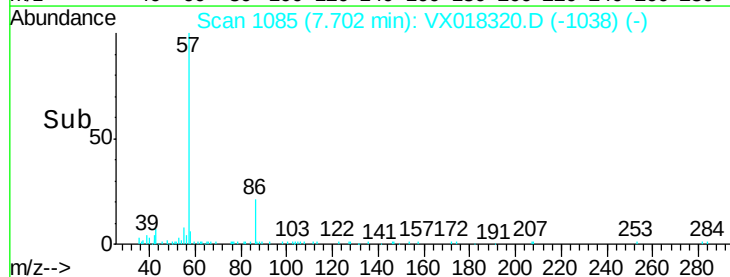
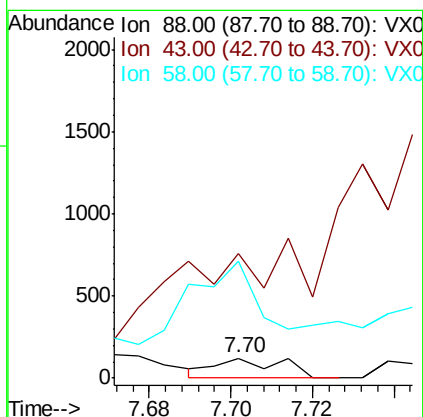
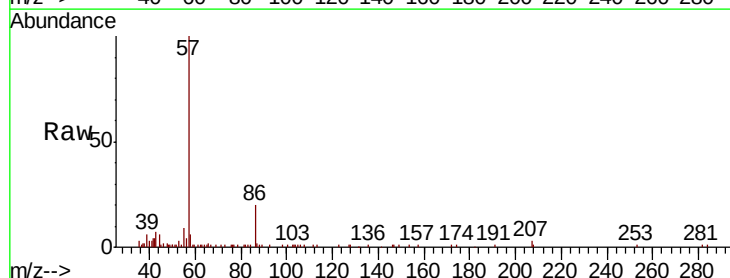
Instrument :
MSVOA_X
ClientSampled :
PB131488TB

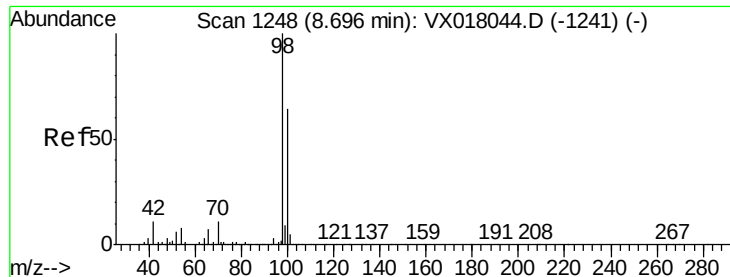
Tot Ion: 41 Resp: 188619
Ion Ratio Lower Upper
41 100
69 0.4 65.5 98.3#
39 52.6 44.5 66.7



#49
1,4-Dioxane
Concen: 1.189 ug/l
RT: 7.70 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VX018320.D
Acq: 09 Sep 2020 14:21

Tgt Ion: 88 Resp: 135
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 911.9 56.4 84.6#





#50

Toluene-d8

Concen: 48.440 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018320.D

Acq: 09 Sep 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

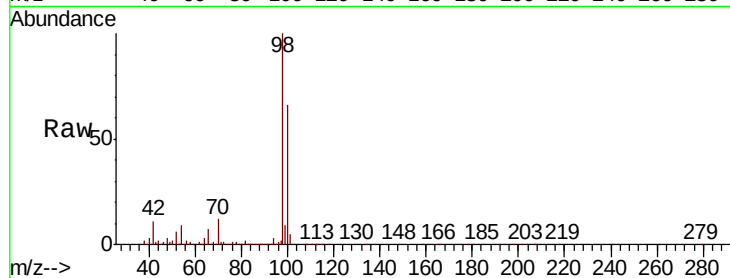
PB131488TB

Tot Ion: 98 Resp: 894363

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

600000

8.70

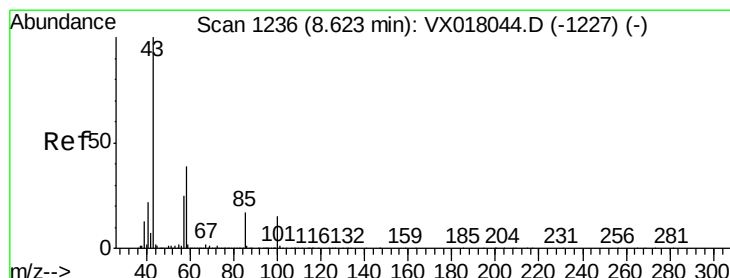
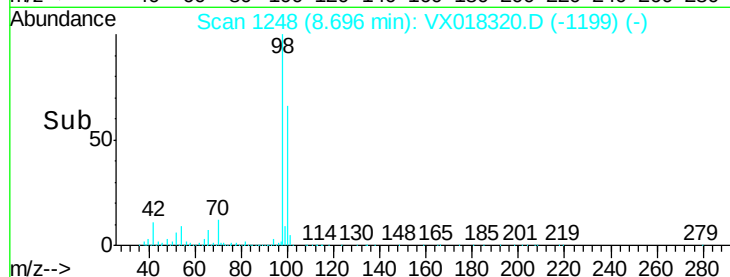
400000

200000

0

8.60 8.70 8.80 8.90

Time-->



#51

4-Methyl-2-Pentanone

Concen: 14.020 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018320.D

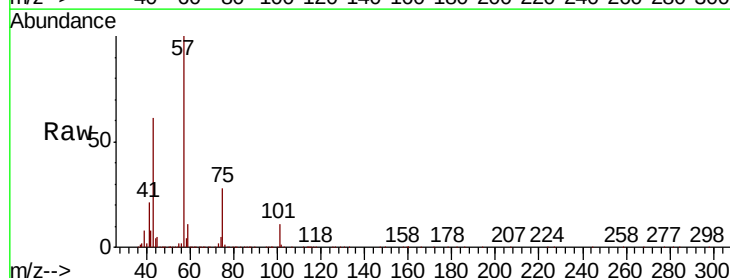
Acq: 09 Sep 2020 14:21

Tgt Ion: 43 Resp: 109069

Ion Ratio Lower Upper

43 100

58 7.1 30.7 46.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

60000

8.59

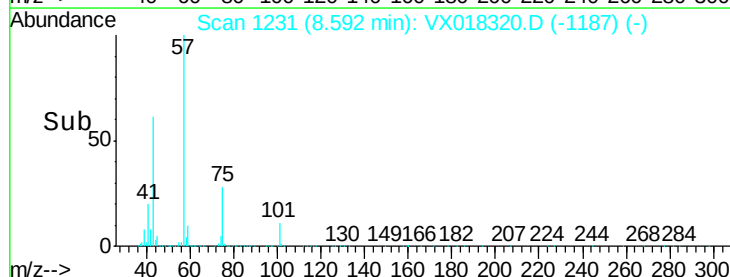
40000

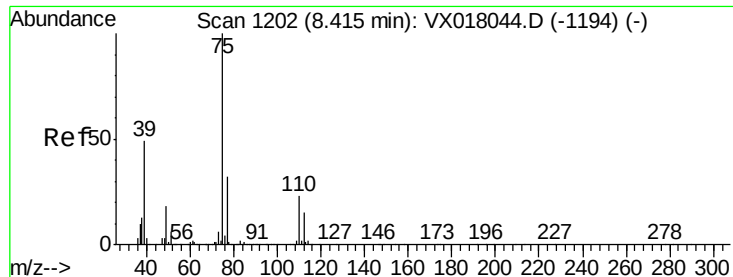
20000

0

8.55 8.60 8.65 8.70

Time-->





#54

cis-1,3-Dichloropropene

Concen: 5.085 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX018320.D

Acq: 09 Sep 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

PB131488TB

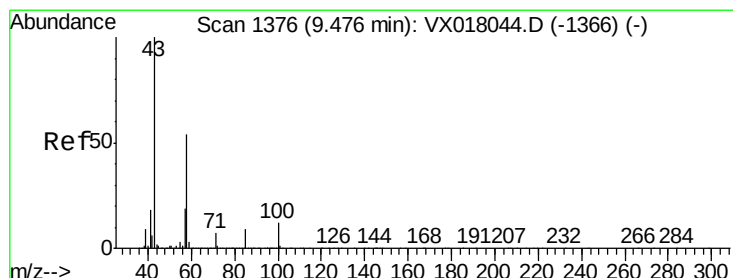
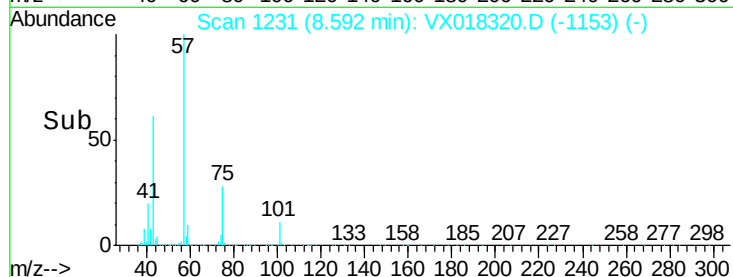
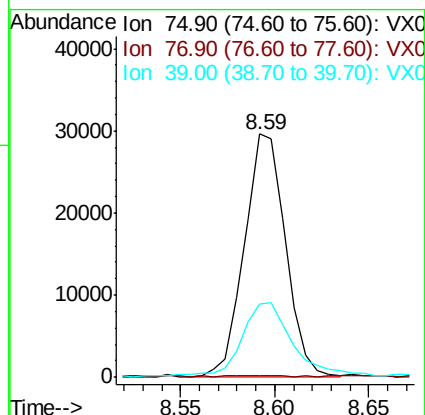
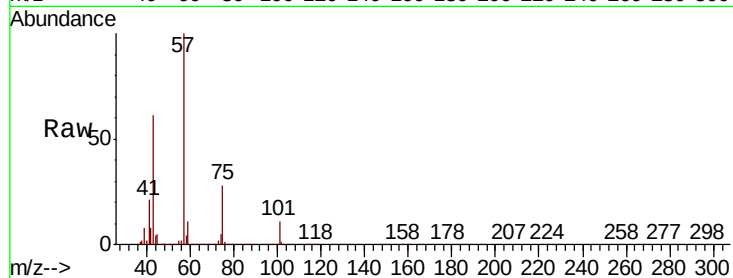
Tot Ion: 75 Resp: 44565

Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.8#

39 28.6 38.8 58.2#



#59

2-Hexanone

Concen: 20.137 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX018320.D

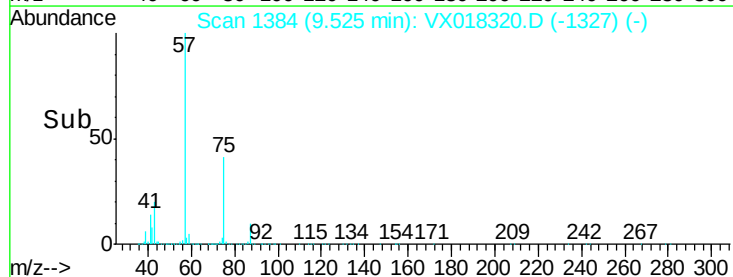
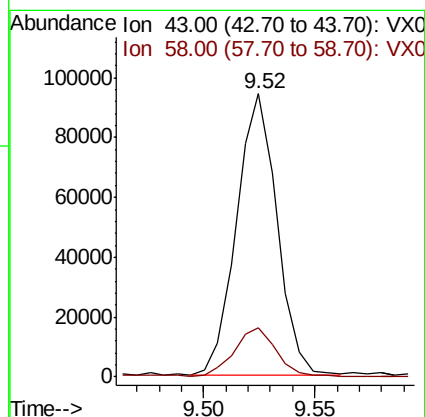
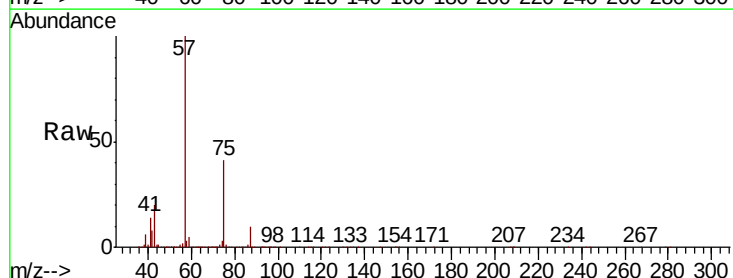
Acq: 09 Sep 2020 14:21

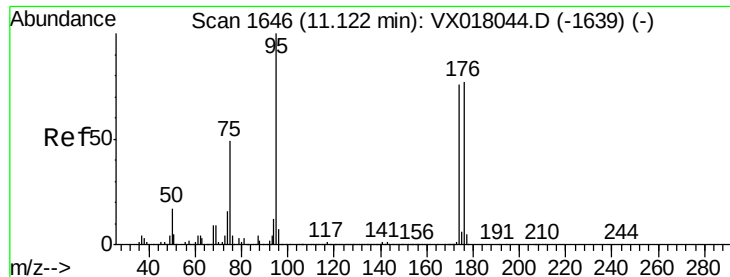
Tgt Ion: 43 Resp: 119121

Ion Ratio Lower Upper

43 100

58 17.9 26.6 79.7#





#62

4-Bromofluorobenzene

Concen: 47.716 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018320.D

Acq: 09 Sep 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

PB131488TB

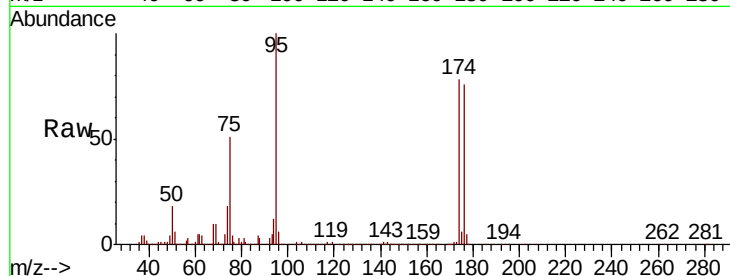
Tot Ion: 95 Resp: 346614

Ion Ratio Lower Upper

95 100

174 80.4 0.0 160.2

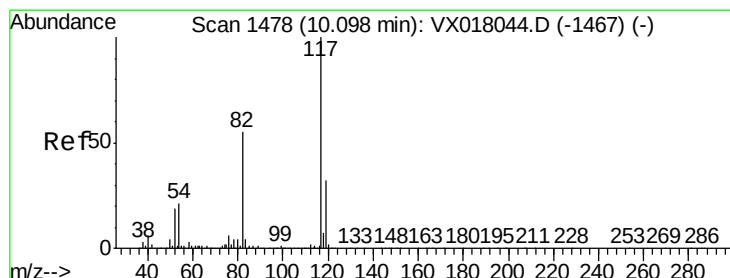
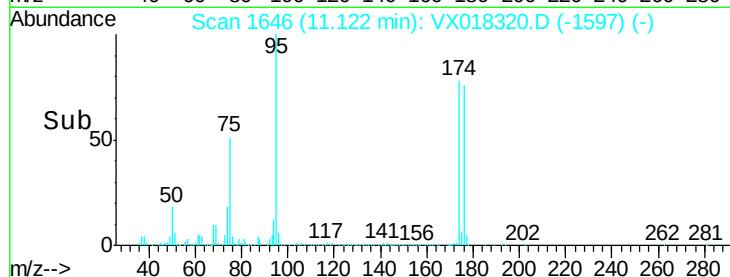
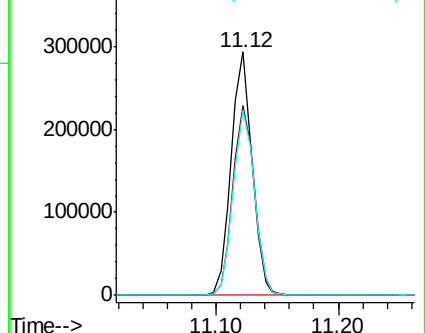
176 77.8 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018320.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX018320.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX018320.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018320.D

Acq: 09 Sep 2020 14:21

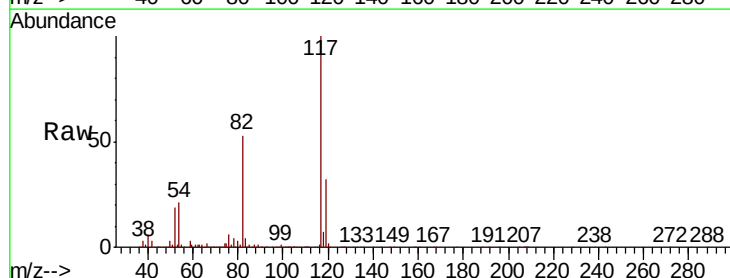
Tgt Ion: 117 Resp: 719175

Ion Ratio Lower Upper

117 100

82 53.0 44.2 66.2

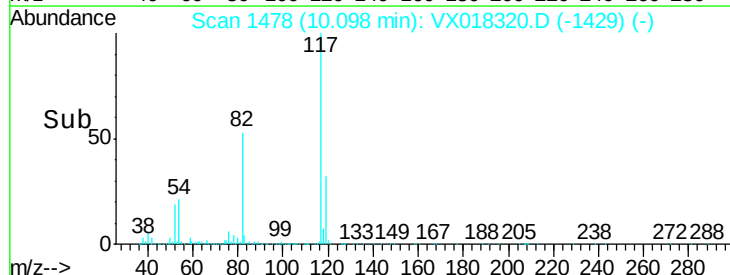
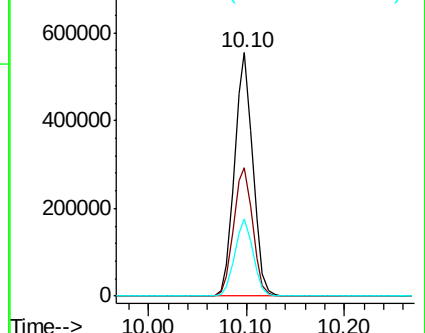
119 31.6 25.7 38.5

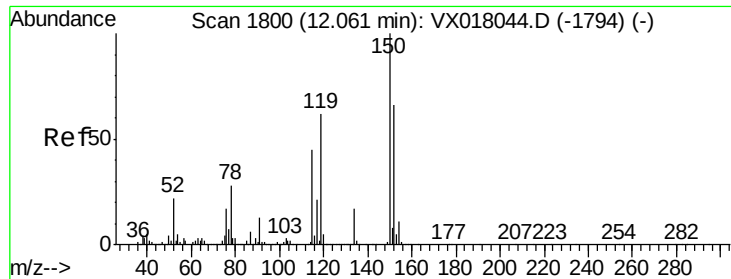


Abundance Ion 116.90 (116.60 to 117.60): VX018320.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX018320.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX018320.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018320.D

Acq: 09 Sep 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

PB131488TB

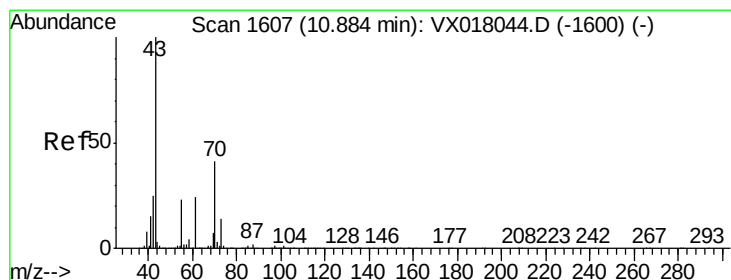
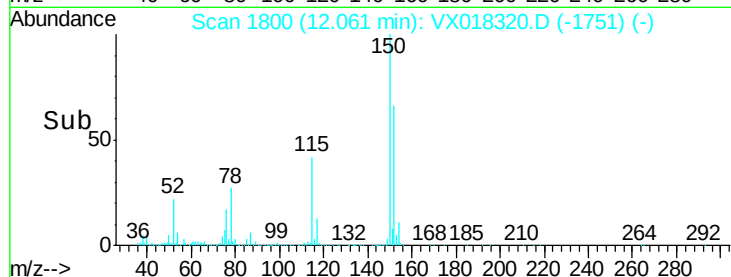
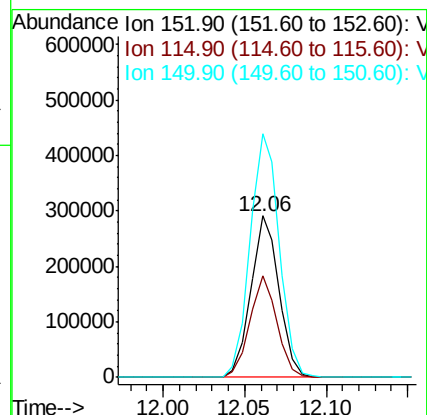
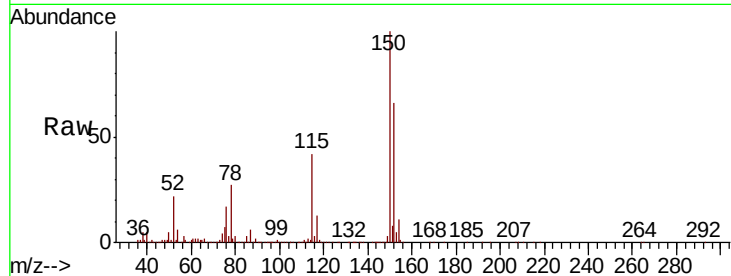
Tot Ion:152 Resp: 350768

Ion Ratio Lower Upper

152 100

115 60.4 41.5 124.5

150 155.7 0.0 343.8



#74

N-ethyl acetate

Concen: 0.392 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.08 min

Lab File: VX018320.D

Acq: 09 Sep 2020 14:21

Tgt Ion: 43 Resp: 4304

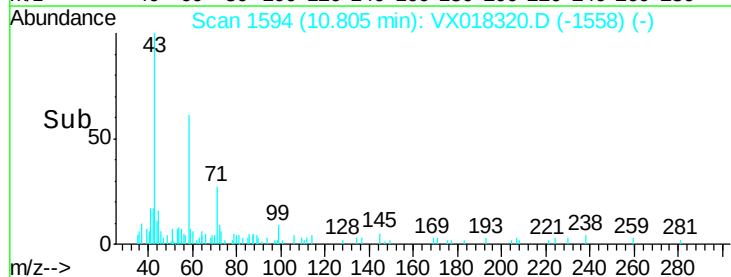
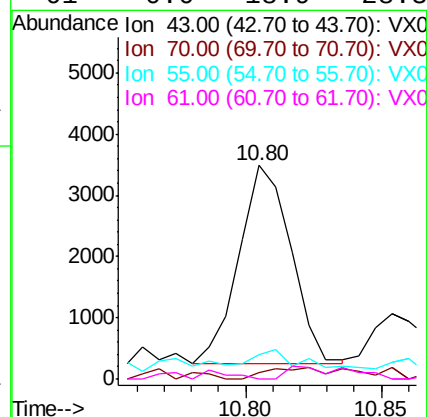
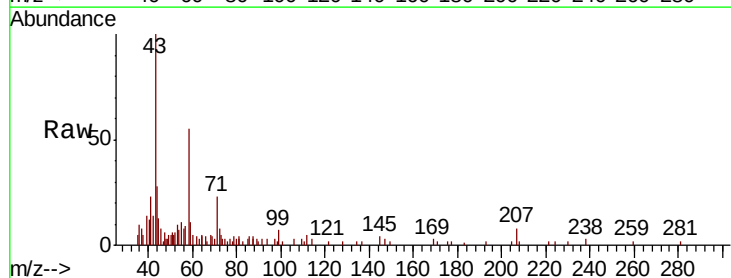
Ion Ratio Lower Upper

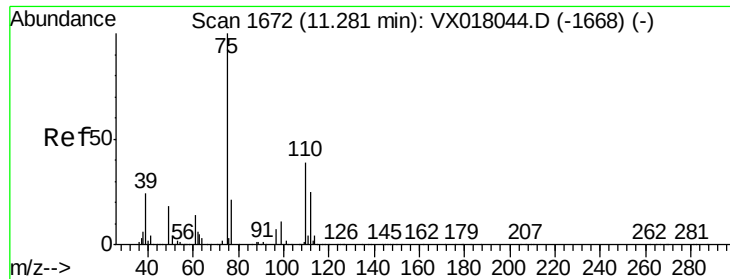
43 100

70 8.9 32.3 48.5#

55 15.7 18.2 27.2#

61 0.0 18.9 28.3#

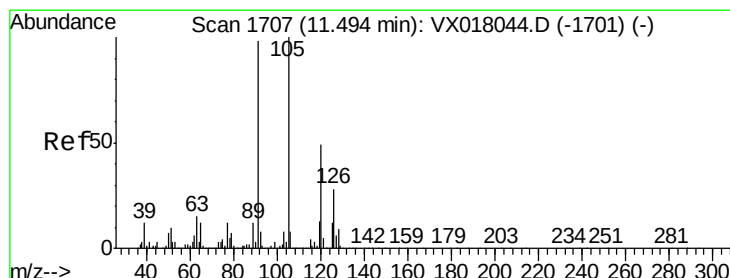
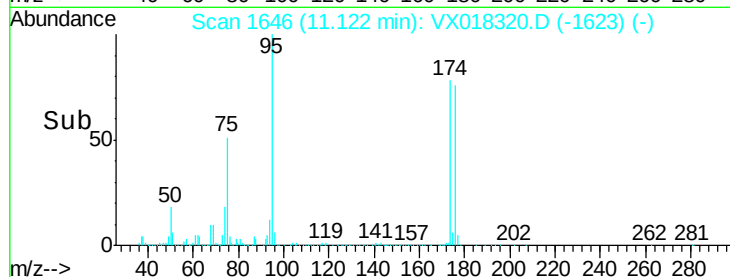
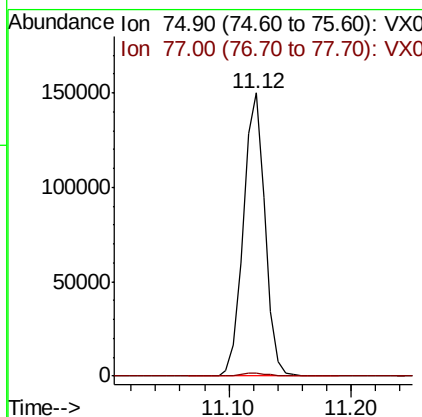
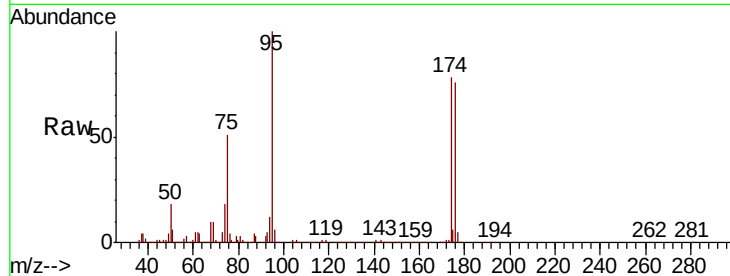




#76
 1,2,3-Trichloropropane
 Concen: 23.361 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX018320.D
 Acq: 09 Sep 2020 14:21

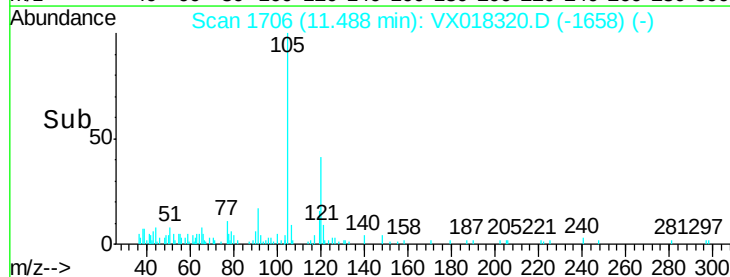
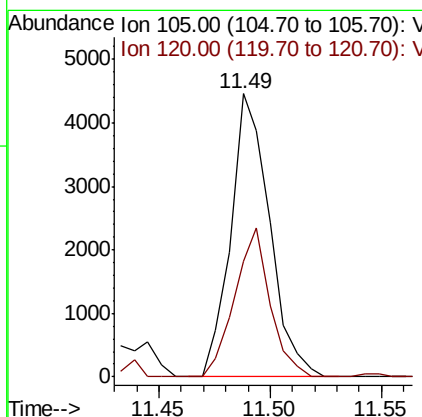
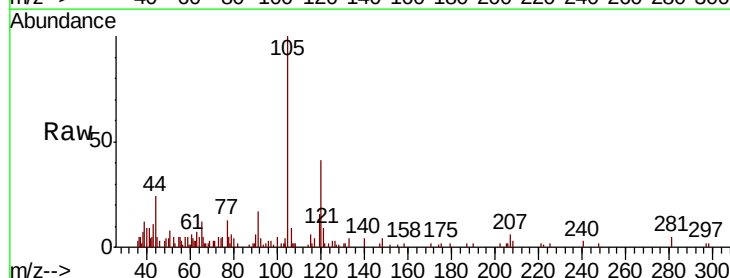
Instrument :
 MSVOA_X
 ClientSampleId :
 PB131488TB

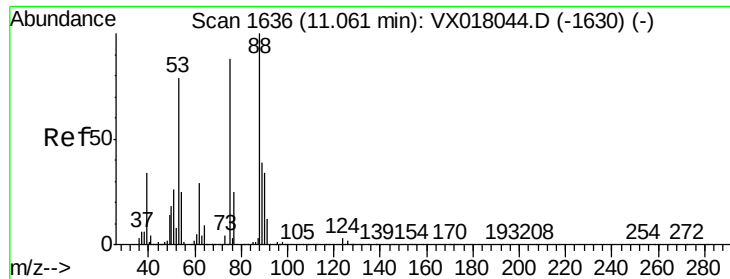
Tot Ion: 75 Resp: 182284
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.8 62.2#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.285 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX018320.D
 Acq: 09 Sep 2020 14:21

Tgt Ion:105 Resp: 5416
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.1 72.2

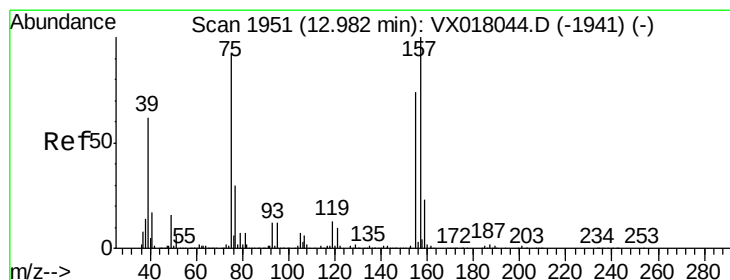
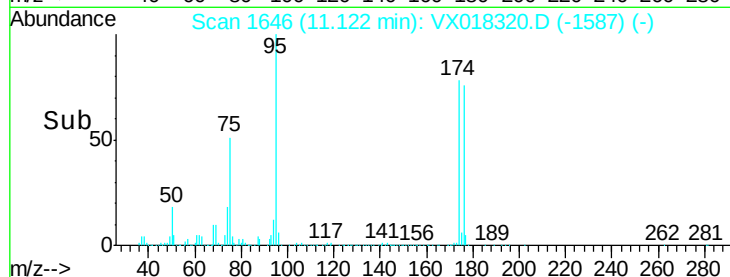
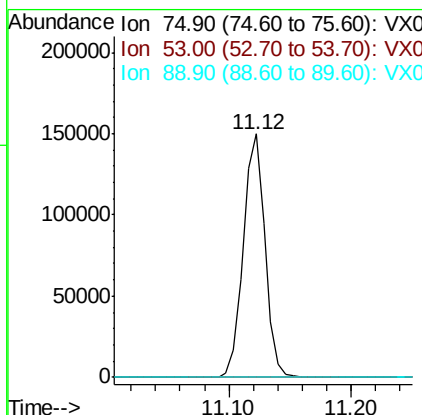
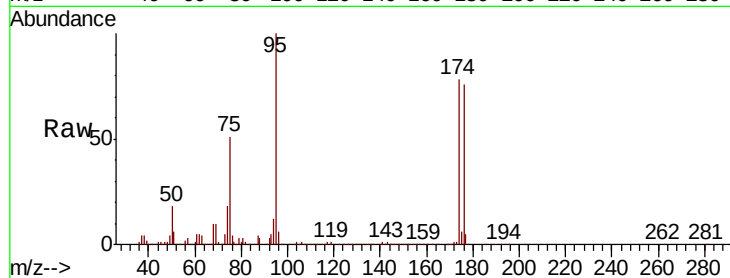




#81
trans-1,4-Dichloro-2-butene
Concen: 63.094 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX018320.D
Acq: 09 Sep 2020 14:21

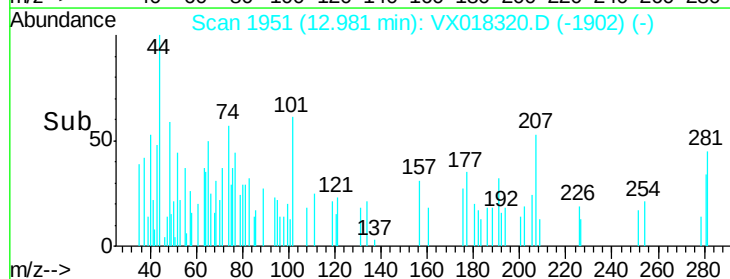
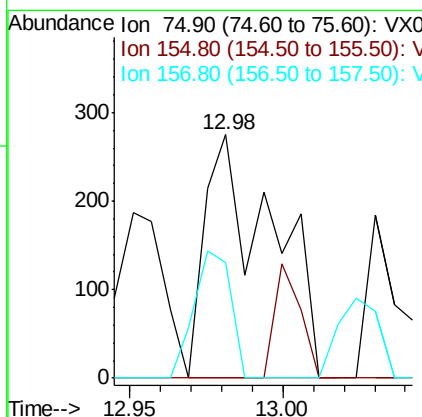
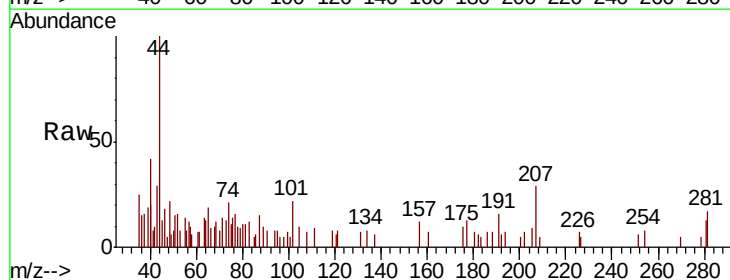
Instrument :
MSVOA_X
ClientSampleId :
PB131488TB

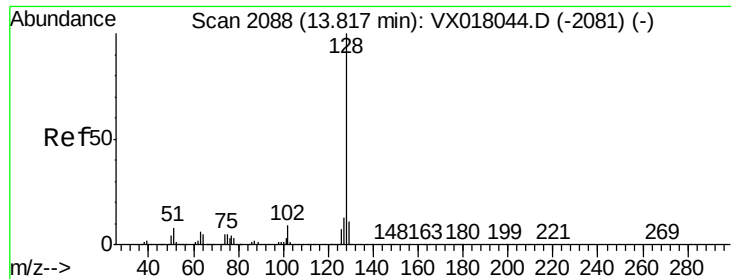
Tot Ion: 75 Resp: 182284
Ion Ratio Lower Upper
75 100
53 0.5 74.7 112.1#
89 0.1 36.6 54.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.205 ug/l
RT: 12.98 min Scan# 1951
Delta R.T. -0.00 min
Lab File: VX018320.D
Acq: 09 Sep 2020 14:21

Tgt Ion: 75 Resp: 418
Ion Ratio Lower Upper
75 100
155 0.0 40.2 120.6#
157 28.9 55.0 165.2#





#95

Naphthalene

Concen: 2.430 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018320.D

Acq: 09 Sep 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

PB131488TB

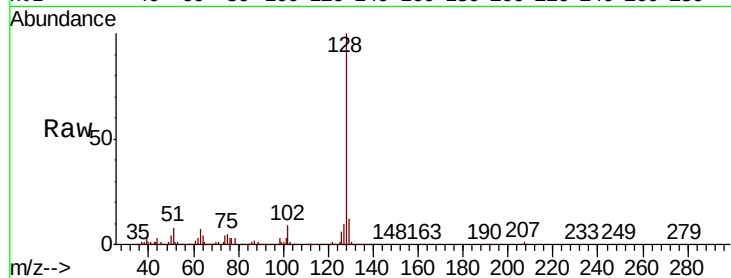
Tot Ion:128 Resp: 56356

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.2

129 12.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

