

Data File : VX015194.D
Acq On : 11 Mar 2020 12:46
Operator : JC/SP
Sample : PB127431ZHE#03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#03

Quant Time: Mar 12 05:45:50 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	320203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	537674	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	528367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	260759	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	201314	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
35) Dibromofluoromethane	5.49	113	166684	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	8.71	98	668985	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
62) 4-Bromofluorobenzene	11.13	95	243772	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	

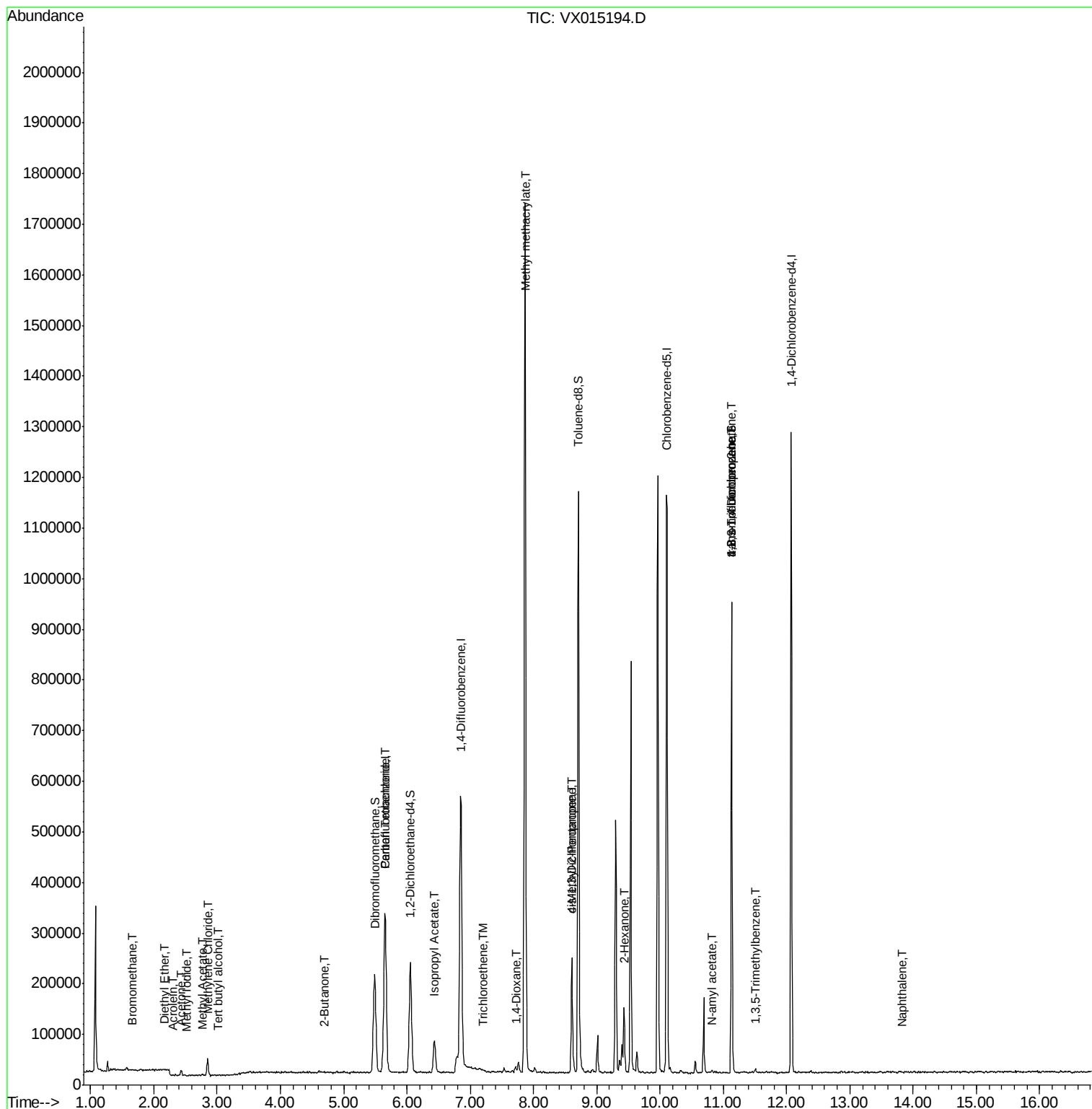
Target Compounds						Qvalue
5) Bromomethane	1.66	94	753	0.304	ug/l	89
8) Diethyl Ether	2.17	74	750	0.346	ug/l	75
10) Methyl Iodide	2.52	142	787	0.231	ug/l #	43
11) Tert butyl alcohol	3.02	59	541	0.821	ug/l #	45
13) Acrolein	2.31	56	284	0.459	ug/l #	1
16) Acetone	2.43	43	12749	8.287	ug/l	92
18) Methyl Acetate	2.76	43	3408	0.906	ug/l #	88
20) Methylene Chloride	2.85	84	14267	3.963	ug/l	97
25) 2-Butanone	4.69	43	1953	0.867	ug/l #	66
38) Carbon Tetrachloride	5.65	117	28673	6.111	ug/l #	17
43) Isopropyl Acetate	6.43	43	83855	10.338	ug/l	99
44) Trichloroethene	7.20	130	1294	0.315	ug/l	13
48) Methyl methacrylate	7.87	41	146445	35.473	ug/l #	44
49) 1,4-Dioxane	7.73	88	184	2.061	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	83766	17.467	ug/l #	51
54) cis-1,3-Dichloropropene	8.61	75	38223	6.458	ug/l #	62
59) 2-Hexanone	9.43	43	100037	28.143	ug/l #	24
74) N-amyl acetate	10.82	43	3713	0.529	ug/l #	55
76) 1,2,3-Trichloropropane	11.13	75	121588	23.376	ug/l #	33
80) 1,3,5-Trimethylbenzene	11.51	105	3632	0.262	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.13	75	121588	66.342	ug/l #	11
95) Naphthalene	13.82	128	391	1.442	ug/l #	1

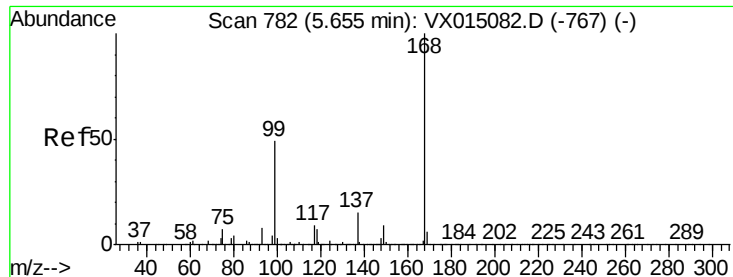
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX015194.D

Acq: 11 Mar 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

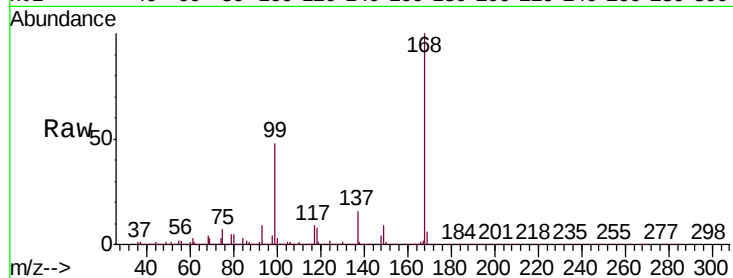
PB127431ZHE#03

Tgt Ion:168 Resp: 320203

Ion Ratio Lower Upper

168 100

99 48.2 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

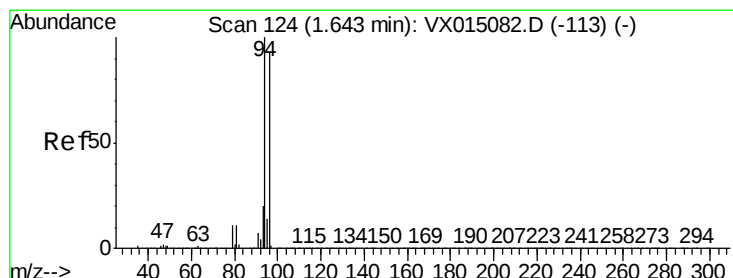
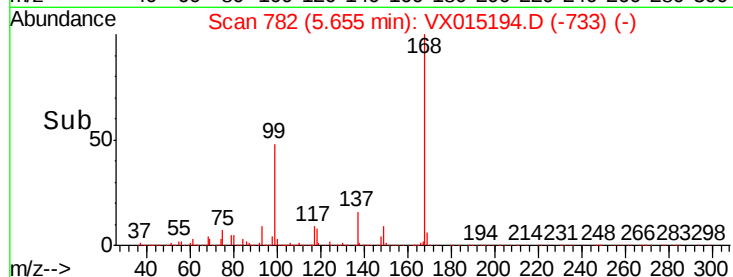
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.304 ug/l

RT: 1.66 min Scan# 127

Delta R.T. 0.02 min

Lab File: VX015194.D

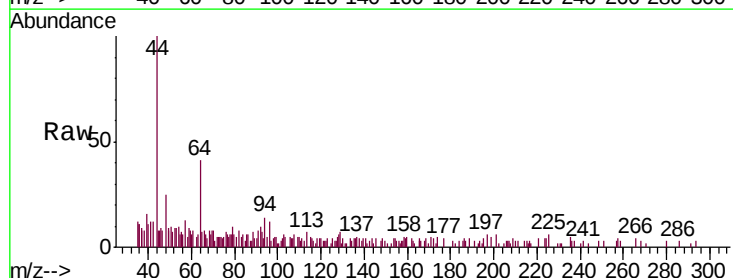
Acq: 11 Mar 2020 12:46

Tgt Ion: 94 Resp: 753

Ion Ratio Lower Upper

94 100

96 83.0 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

400

300

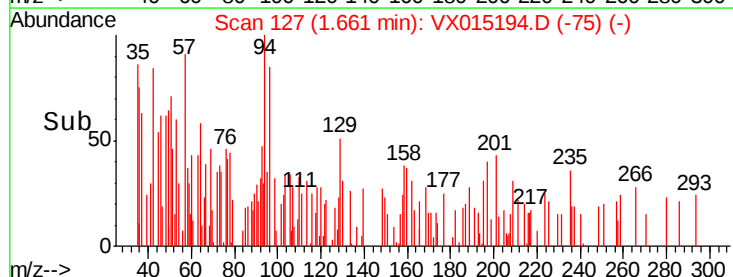
200

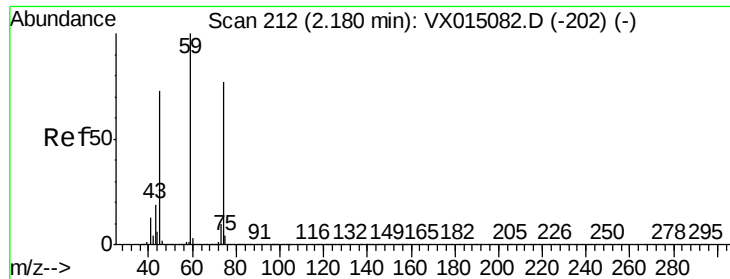
100

0

Time-->

1.60 1.65 1.70





#8

Diethyl Ether

Concen: 0.346 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX015194.D

Acq: 11 Mar 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

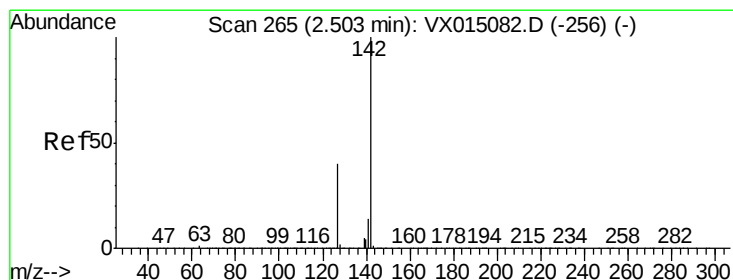
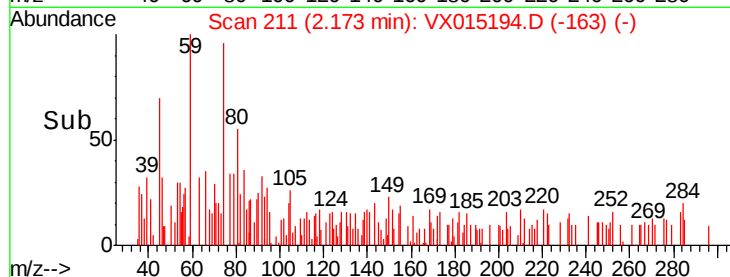
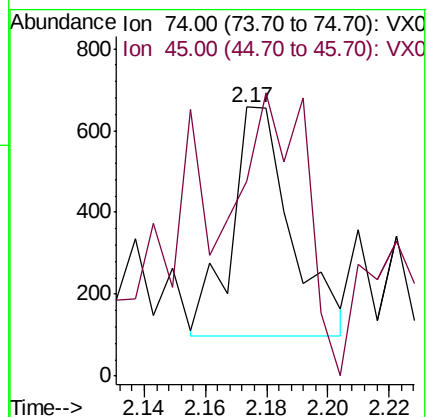
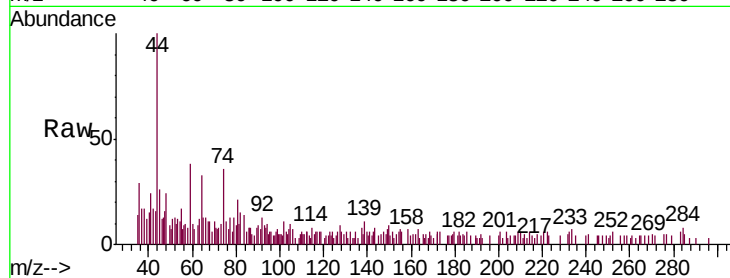
PB127431ZHE#03

Tgt Ion: 74 Resp: 750

Ion Ratio Lower Upper

74 100

45 122.9 49.2 147.6



#10

Methyl Iodide

Concen: 0.231 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.02 min

Lab File: VX015194.D

Acq: 11 Mar 2020 12:46

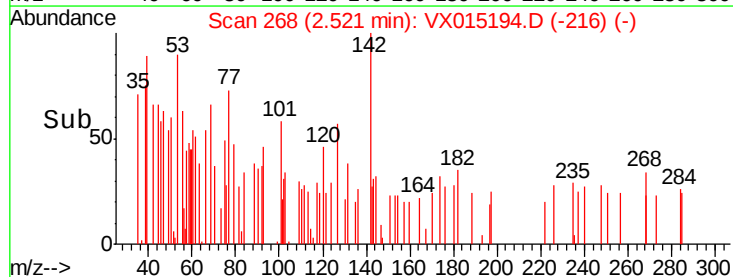
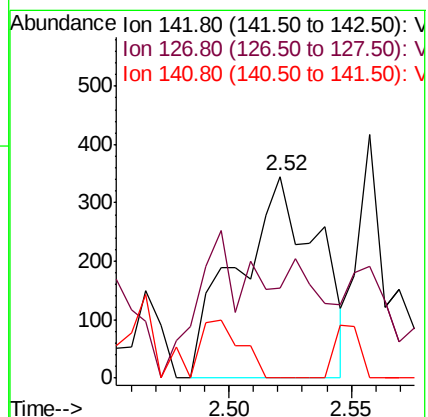
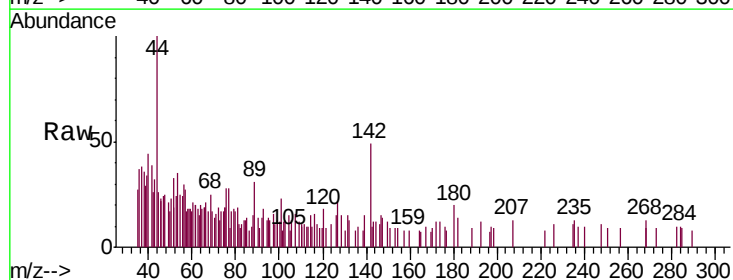
Tgt Ion: 142 Resp: 787

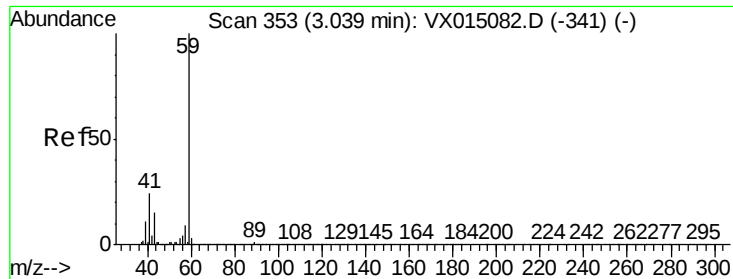
Ion Ratio Lower Upper

142 100

127 0.0 31.7 47.5#

141 0.0 11.3 16.9#

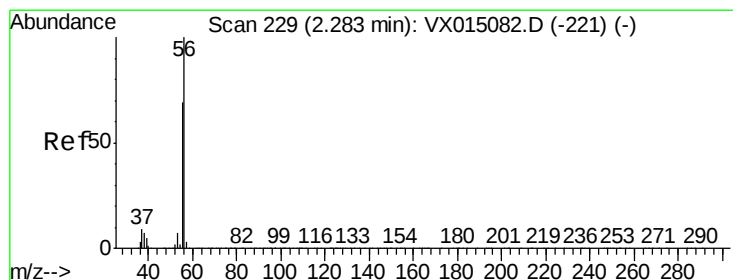
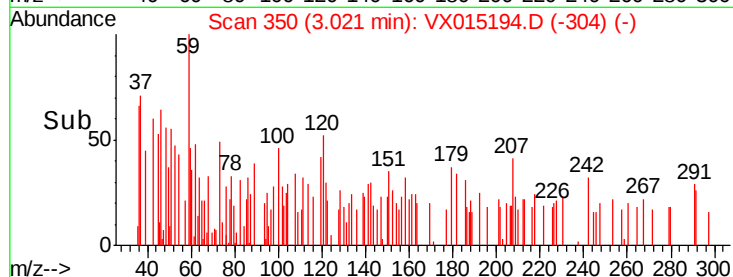
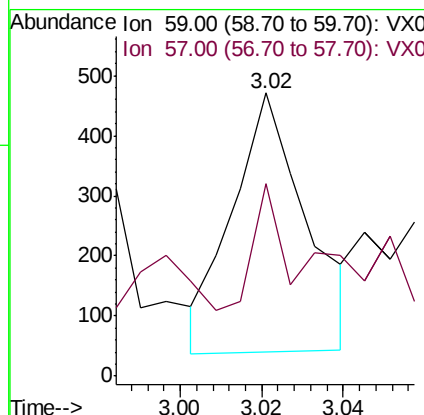
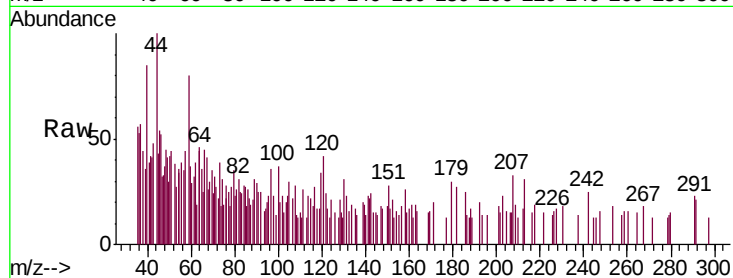




#11
Tert butyl alcohol
Concen: 0.821 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX015194.D
Acq: 11 Mar 2020 12:46

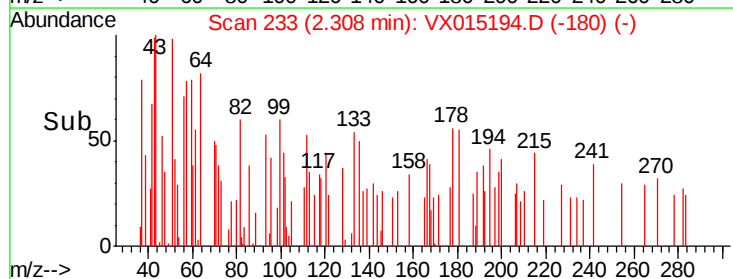
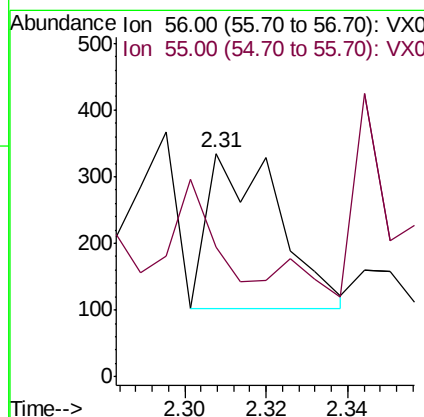
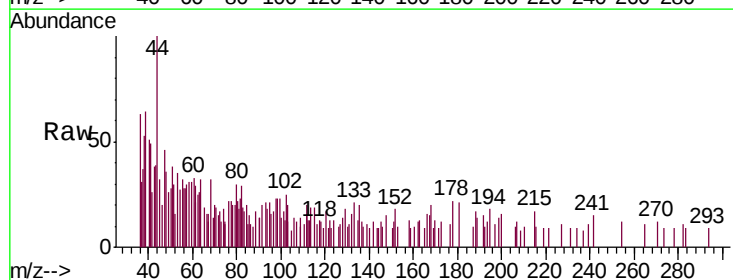
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#03

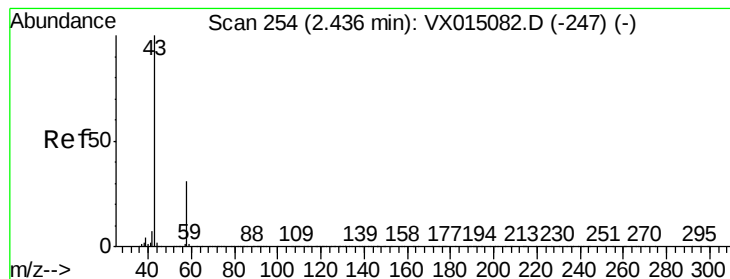
Tgt Ion: 59 Resp: 541
Ion Ratio Lower Upper
59 100
57 30.7 8.2 12.4#



#13
Acrolein
Concen: 0.459 ug/l
RT: 2.31 min Scan# 233
Delta R.T. 0.02 min
Lab File: VX015194.D
Acq: 11 Mar 2020 12:46

Tgt Ion: 56 Resp: 284
Ion Ratio Lower Upper
56 100
55 182.4 55.4 83.0#





#16

Acetone

Concen: 8.287 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX015194.D

Acq: 11 Mar 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

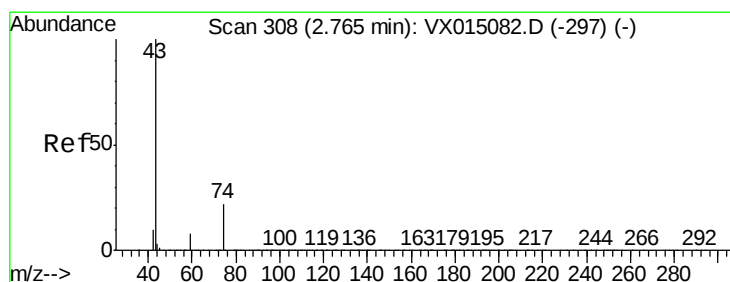
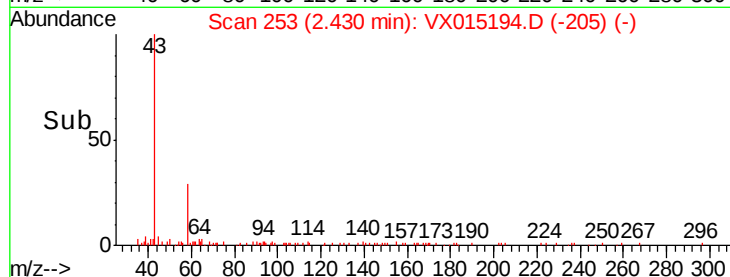
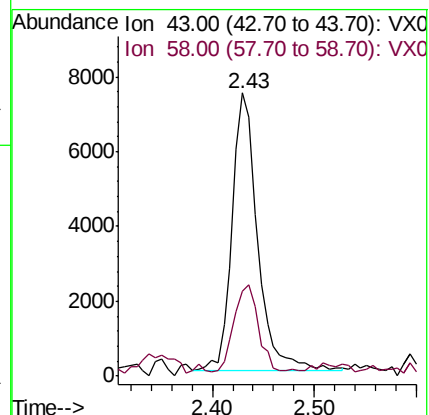
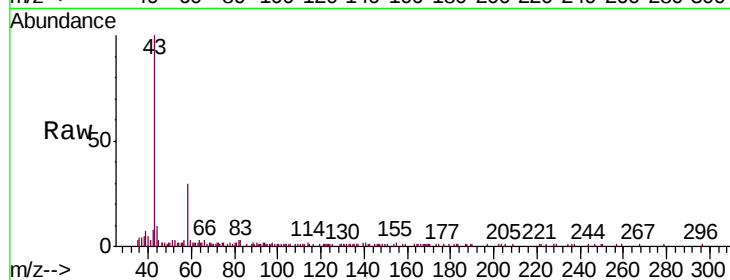
PB127431ZHE#03

Tgt Ion: 43 Resp: 12749

Ion Ratio Lower Upper

43 100

58 26.5 24.8 37.2



#18

Methyl Acetate

Concen: 0.906 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX015194.D

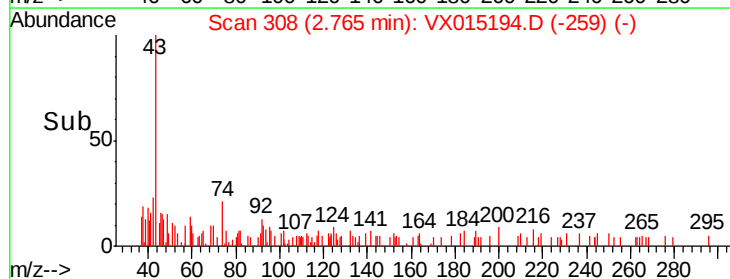
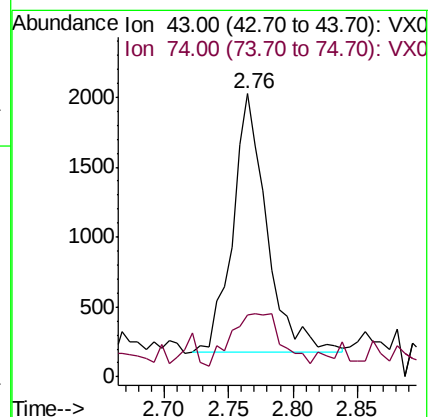
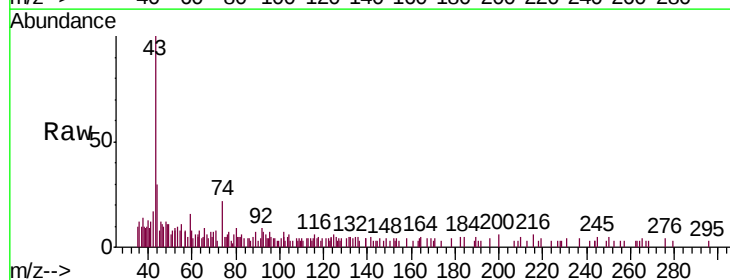
Acq: 11 Mar 2020 12:46

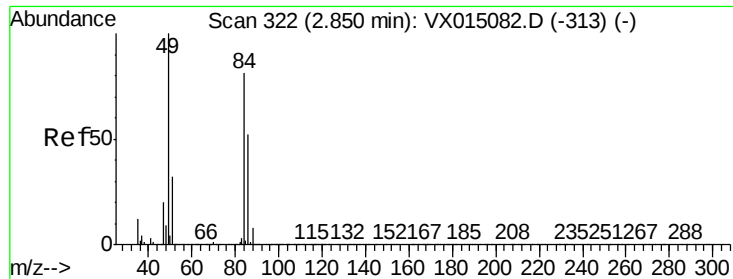
Tgt Ion: 43 Resp: 3408

Ion Ratio Lower Upper

43 100

74 29.2 18.8 28.2#

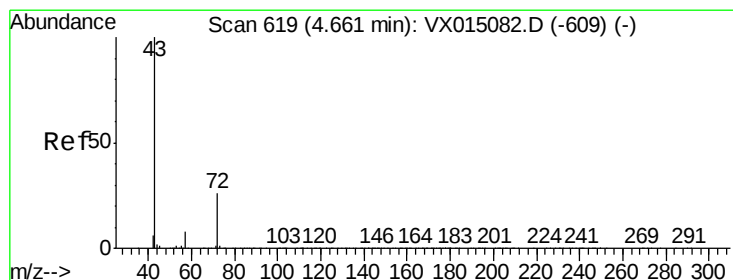
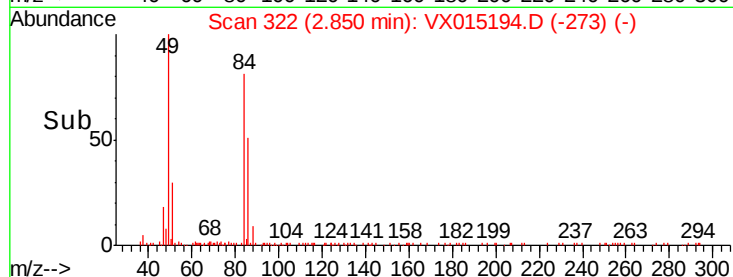
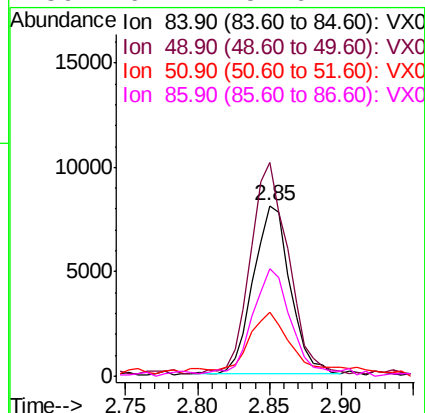
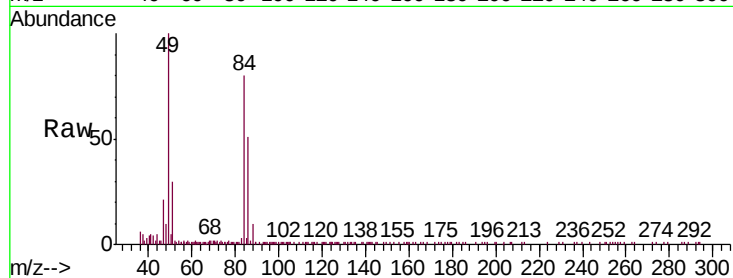




#20
Methylene Chloride
Concen: 3.963 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX015194.D
Acq: 11 Mar 2020 12:46

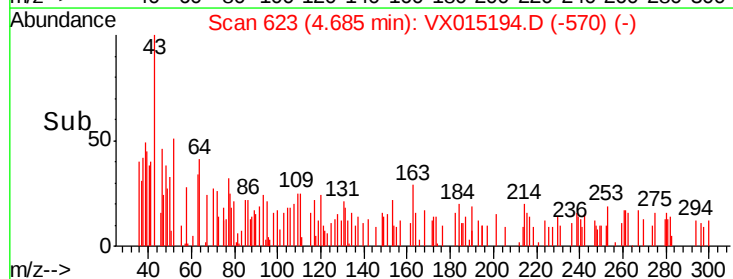
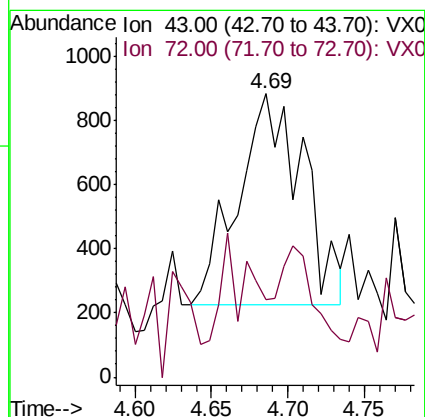
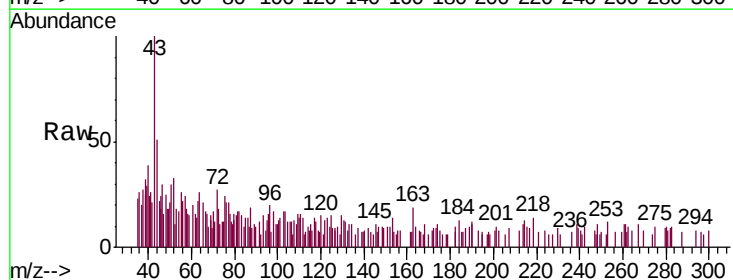
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#03

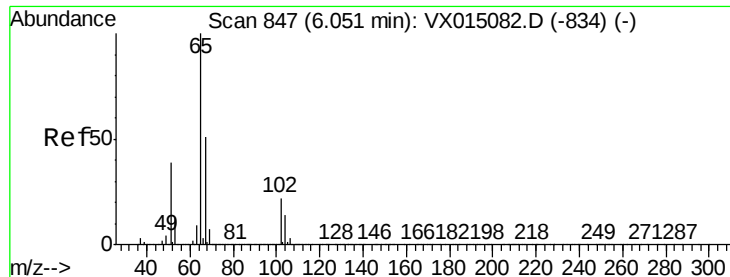
Tgt Ion:	84	Resp:	14267
Ion	Ratio	Lower	Upper
84	100		
49	125.0	99.4	149.2
51	33.9	31.5	47.3
86	62.7	51.6	77.4



#25
2-Butanone
Concen: 0.867 ug/l
RT: 4.69 min Scan# 623
Delta R.T. 0.02 min
Lab File: VX015194.D
Acq: 11 Mar 2020 12:46

Tgt Ion:	43	Resp:	1953
Ion	Ratio	Lower	Upper
43	100		
72	43.1	20.6	30.8#





#33

1,2-Dichloroethane-d4

Concen: 52.994 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX015194.D

Acq: 11 Mar 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

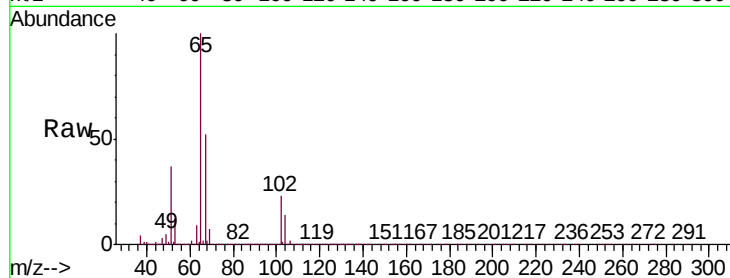
PB127431ZHE#03

Tgt Ion: 65 Resp: 201314

Ion Ratio Lower Upper

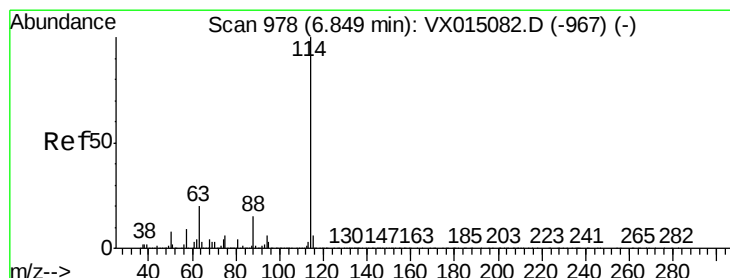
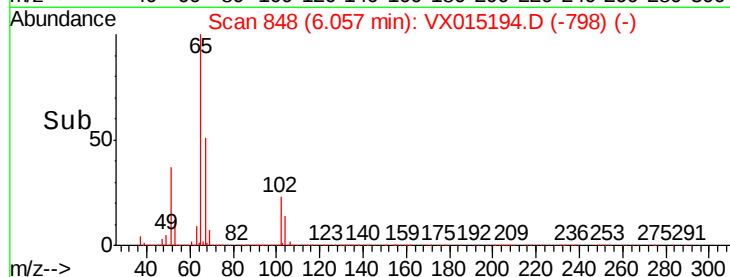
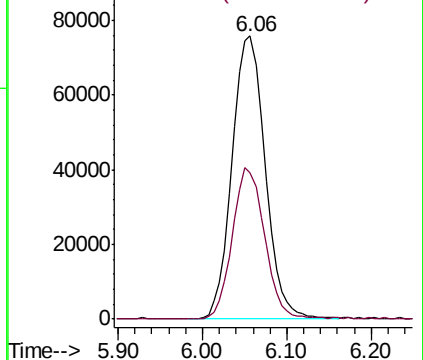
65 100

67 52.4 0.0 105.6



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX015194.D

Acq: 11 Mar 2020 12:46

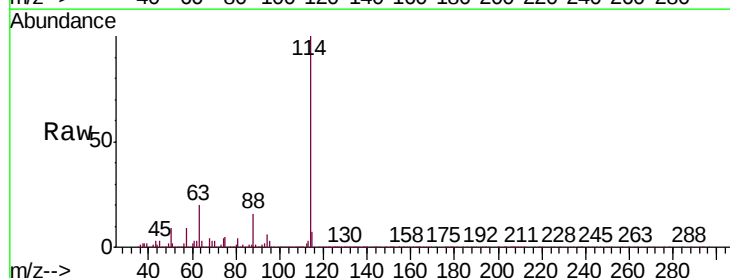
Tgt Ion: 114 Resp: 537674

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

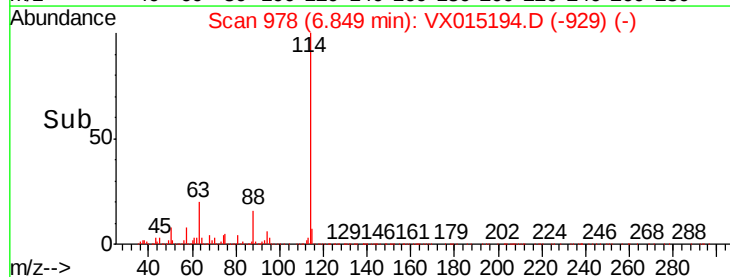
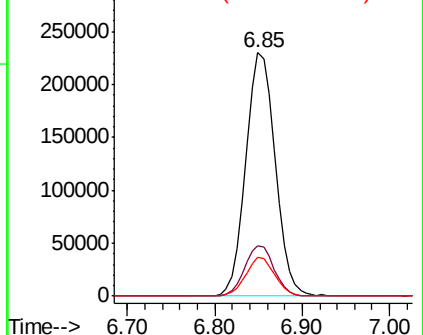
88 16.0 0.0 30.6

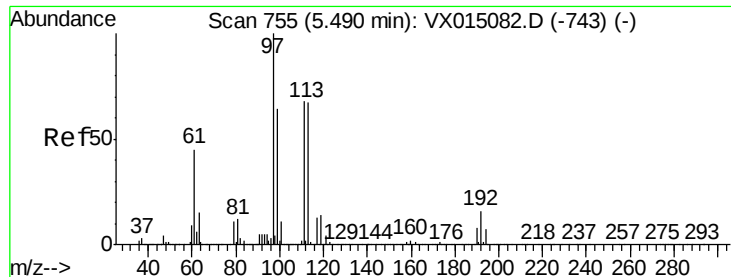


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

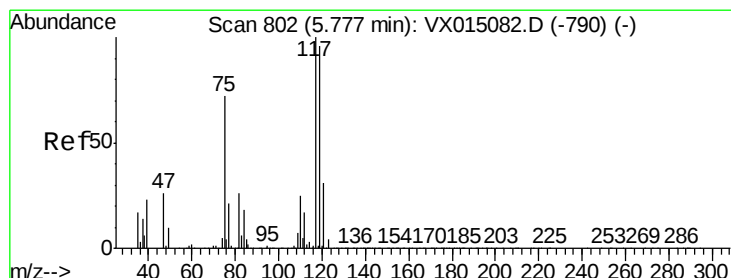
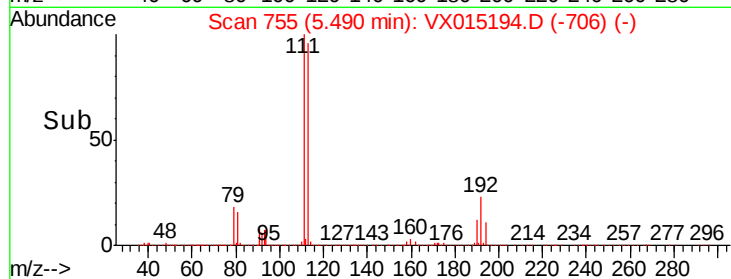
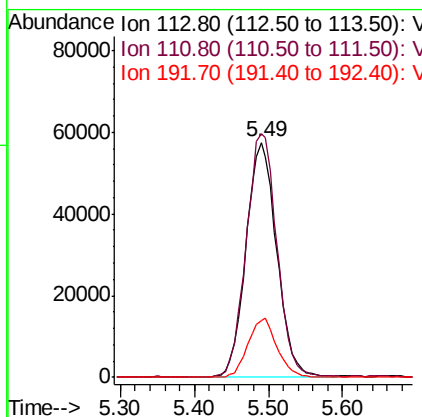
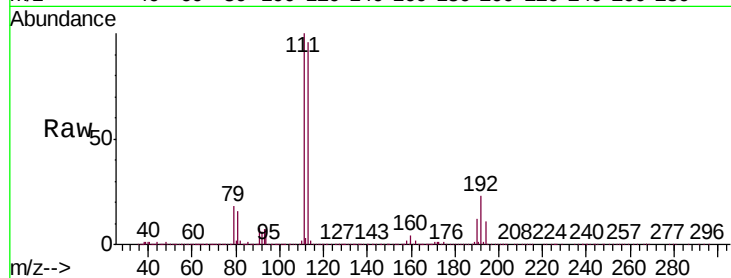




#35
 Dibromofluoromethane
 Concen: 49.140 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX015194.D
 Acq: 11 Mar 2020 12:46

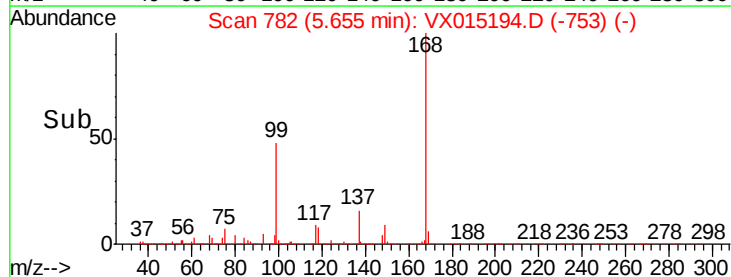
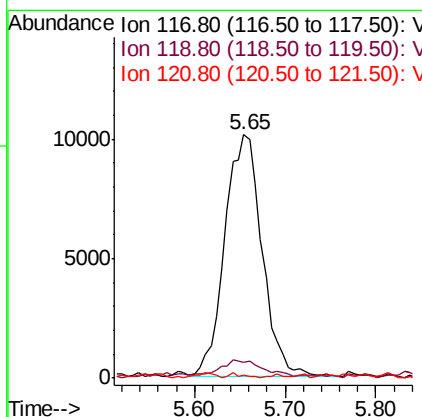
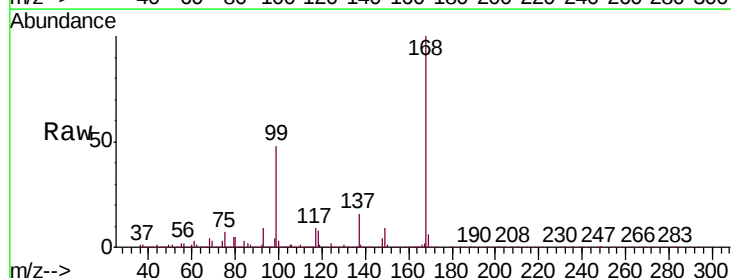
Instrument :
 MSVOA_X
 ClientSampleId :
 PB127431ZHE#03

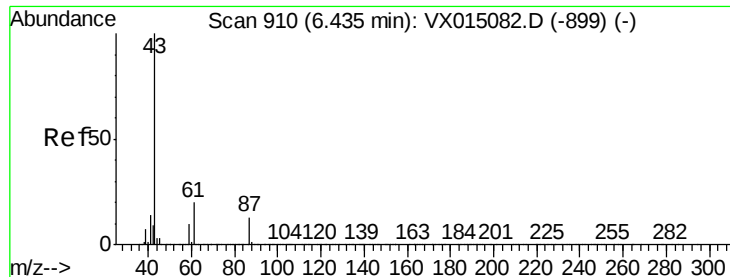
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.6	123.8
192	24.1	18.6	28.0



#38
 Carbon Tetrachloride
 Concen: 6.111 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX015194.D
 Acq: 11 Mar 2020 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.9	115.3#
121	0.5	24.6	37.0#





#43

Isopropyl Acetate

Concen: 10.338 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX015194.D

Acq: 11 Mar 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#03

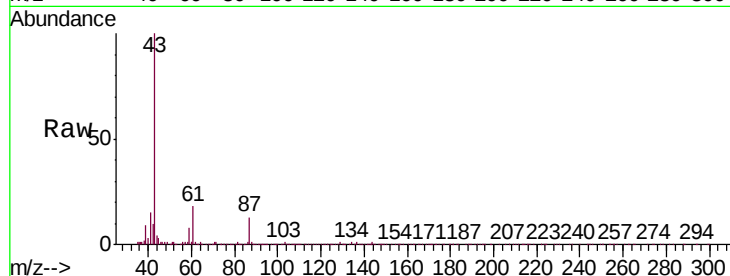
Tgt Ion: 43 Resp: 83855

Ion Ratio Lower Upper

43 100

61 20.2 16.1 24.1

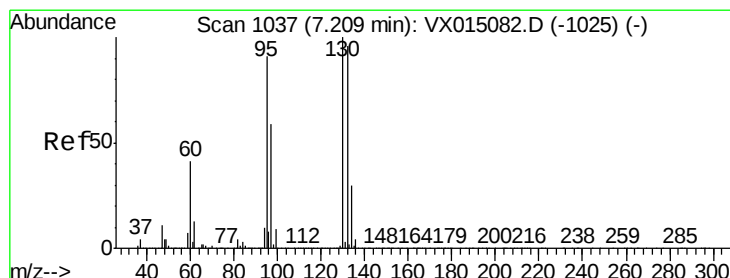
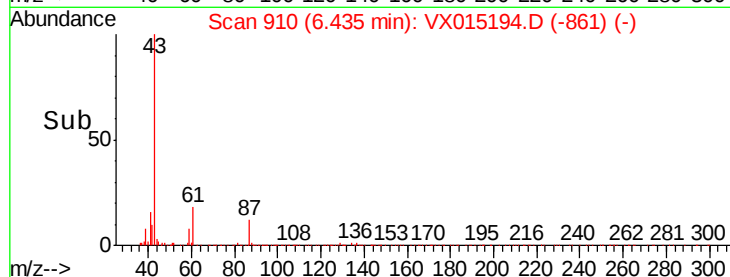
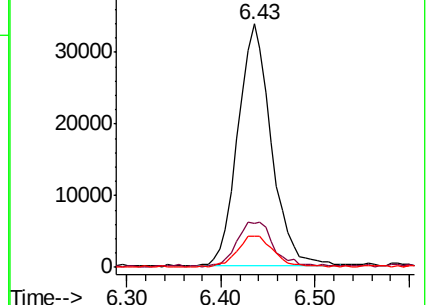
87 14.1 10.6 16.0



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



#44

Trichloroethene

Concen: 0.315 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX015194.D

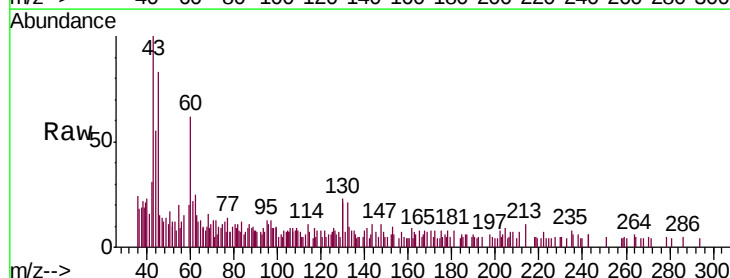
Acq: 11 Mar 2020 12:46

Tgt Ion: 130 Resp: 1294

Ion Ratio Lower Upper

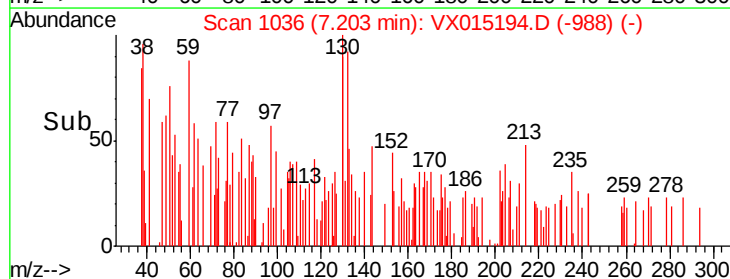
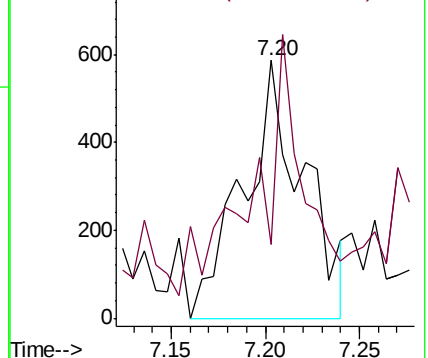
130 100

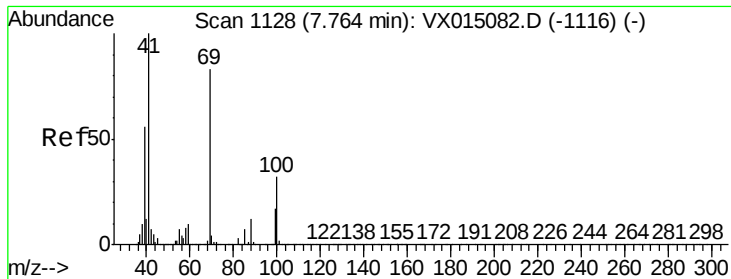
95 8.1 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#48

Methyl methacrylate

Concen: 35.473 ug/l

RT: 7.87 min Scan# 1145

Delta R.T. 0.10 min

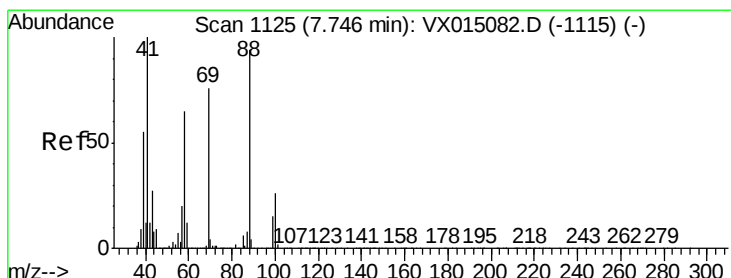
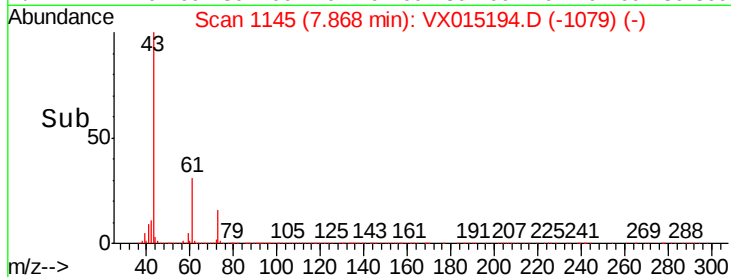
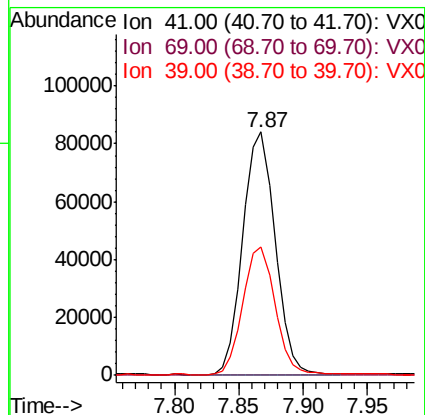
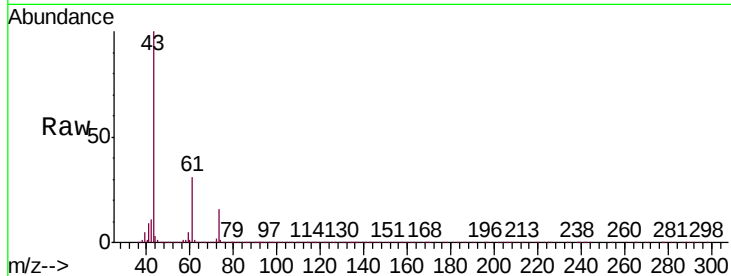
Lab File: VX015194.D

Acq: 11 Mar 2020 12:46

Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#03

Tgt Ion: 41 Resp: 146445

Ion	Ratio	Lower	Upper
41	100		
69	0.3	65.4	98.2#
39	51.8	44.6	67.0



#49

1,4-Dioxane

Concen: 2.061 ug/l

RT: 7.73 min Scan# 1123

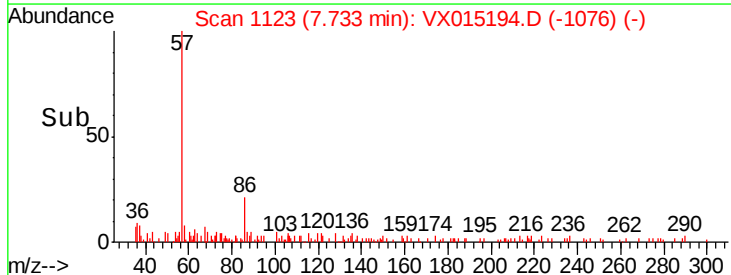
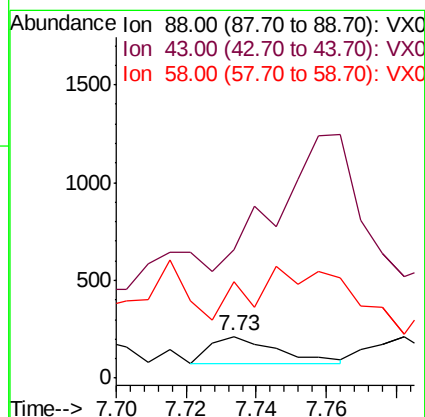
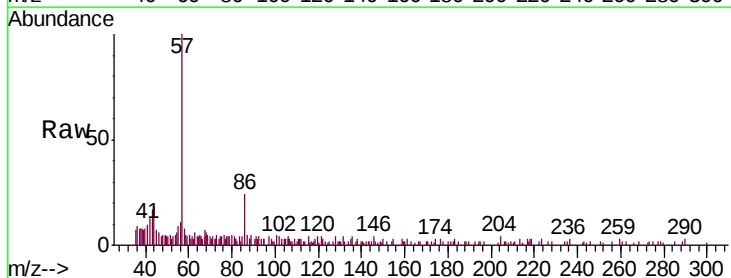
Delta R.T. -0.01 min

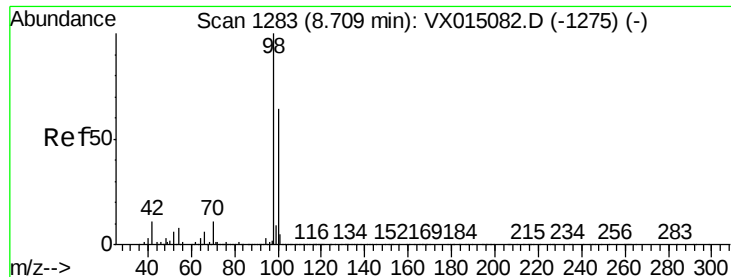
Lab File: VX015194.D

Acq: 11 Mar 2020 12:46

Tgt Ion: 88 Resp: 184

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.0	40.4#
58	645.7	55.6	83.4#





#50

Toluene-d8

Concen: 51.848 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015194.D

Acq: 11 Mar 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

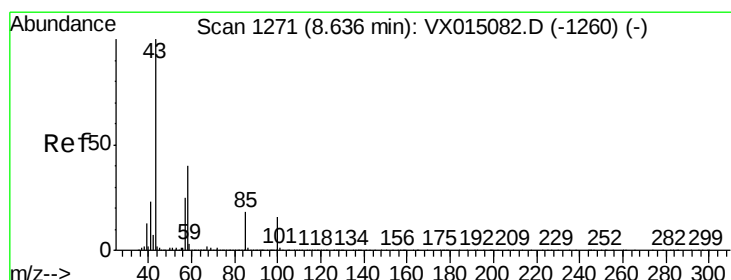
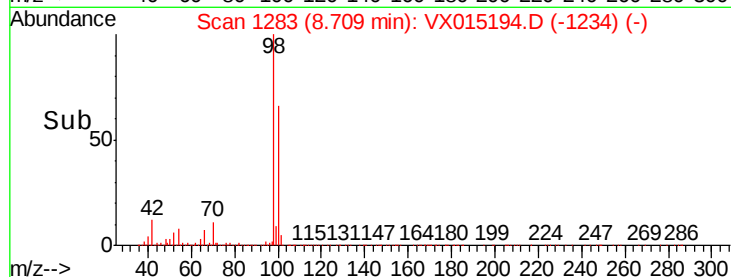
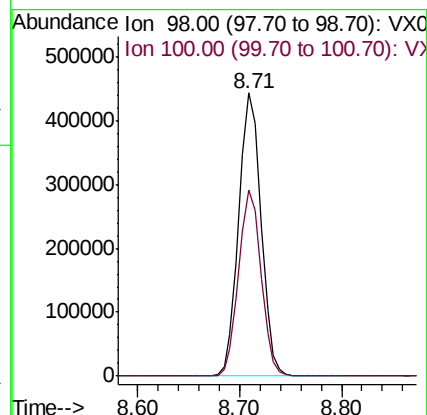
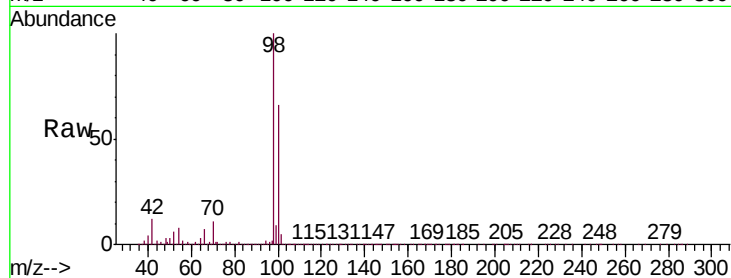
PB127431ZHE#03

Tgt Ion: 98 Resp: 668985

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 17.467 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX015194.D

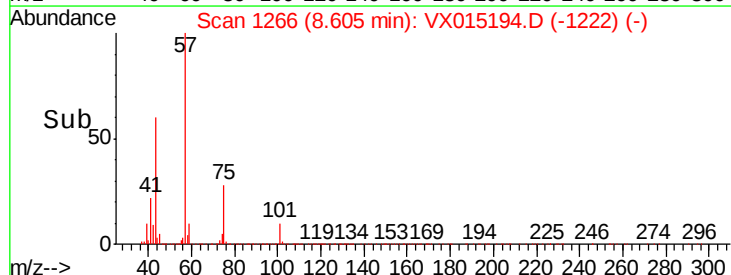
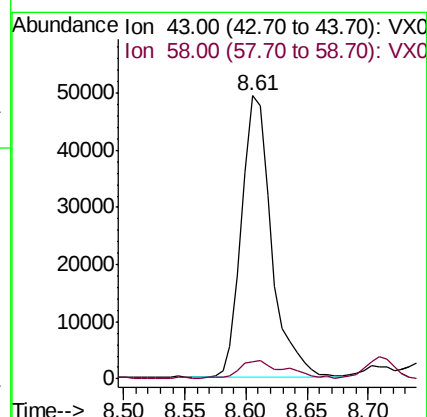
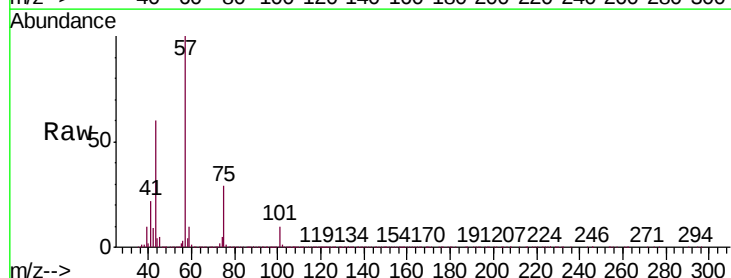
Acq: 11 Mar 2020 12:46

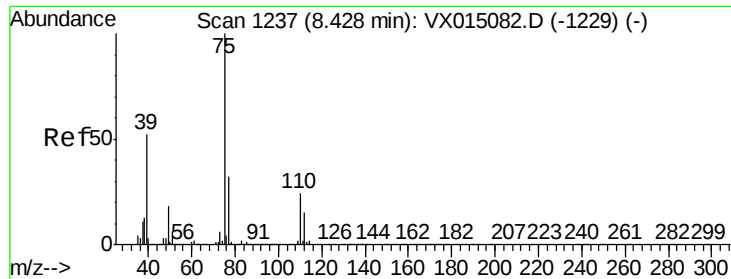
Tgt Ion: 43 Resp: 83766

Ion Ratio Lower Upper

43 100

58 9.5 31.6 47.4#



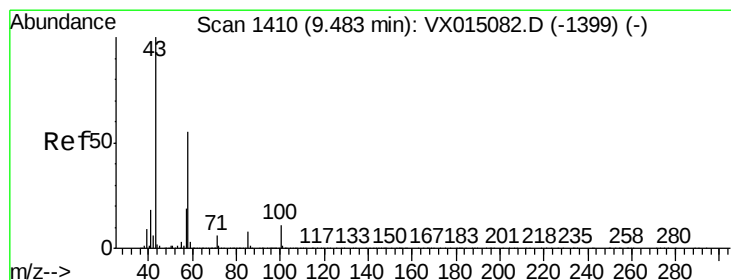
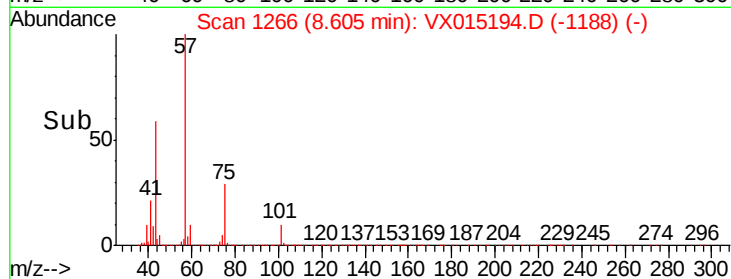
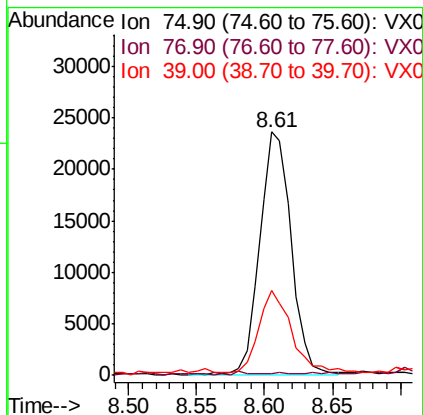
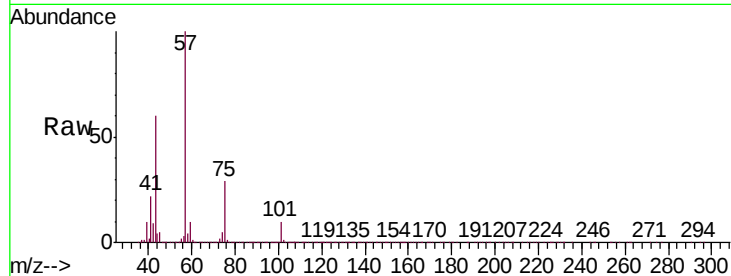


#54

cis-1,3-Dichloropropene
 Concen: 6.458 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. 0.18 min
 Lab File: VX015194.D
 Acq: 11 Mar 2020 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 PB127431ZHE#03

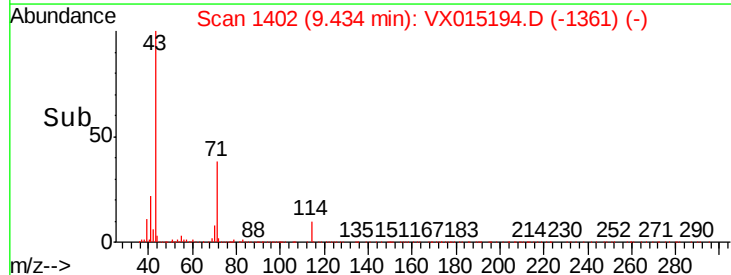
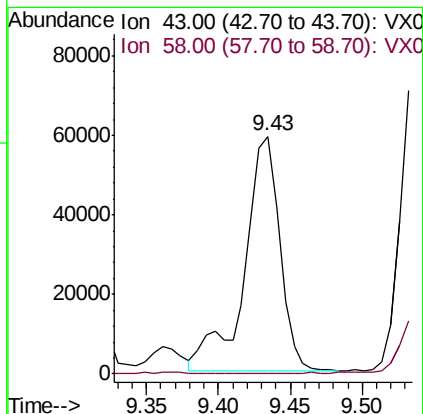
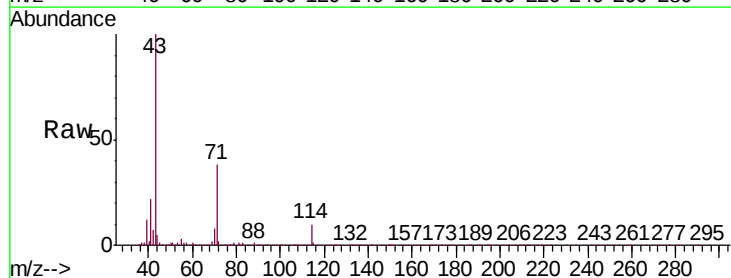
Tgt Ion: 75 Resp: 38223
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#
 39 33.8 41.3 61.9#

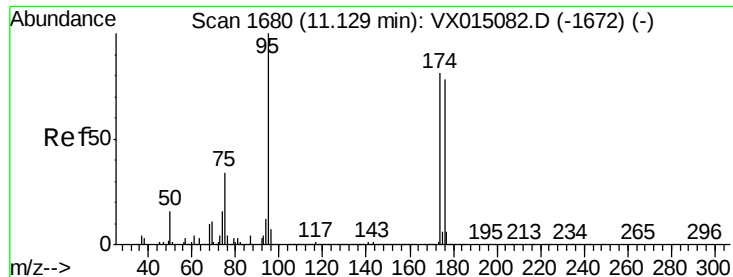


#59

2-Hexanone
 Concen: 28.143 ug/l
 RT: 9.43 min Scan# 1402
 Delta R.T. -0.05 min
 Lab File: VX015194.D
 Acq: 11 Mar 2020 12:46

Tgt Ion: 43 Resp: 100037
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.3 81.8#

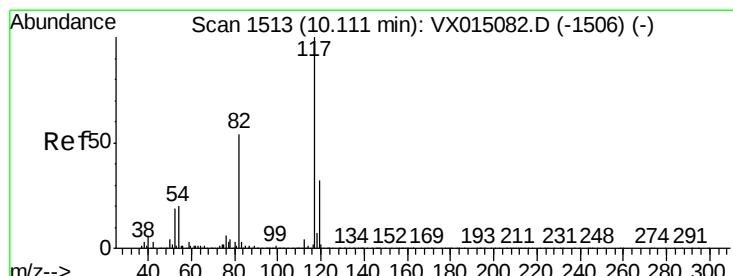
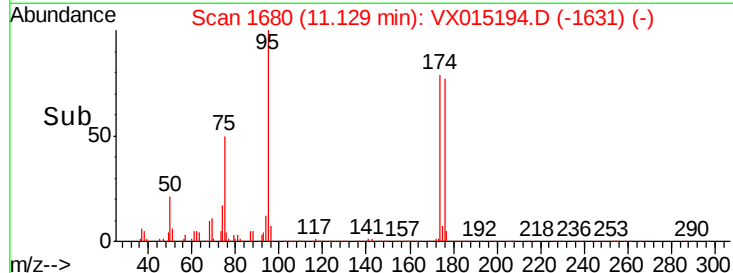
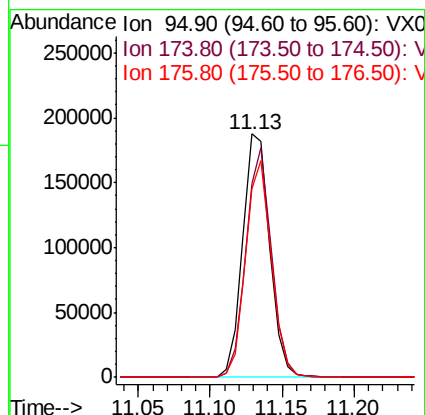
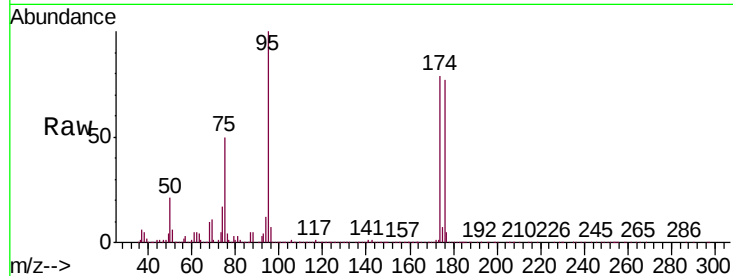




#62
4-Bromofluorobenzene
Concen: 52.968 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX015194.D
Acq: 11 Mar 2020 12:46

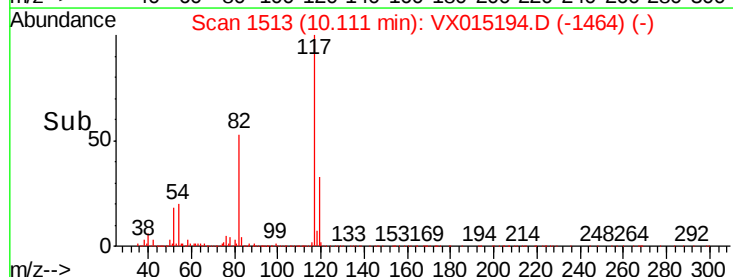
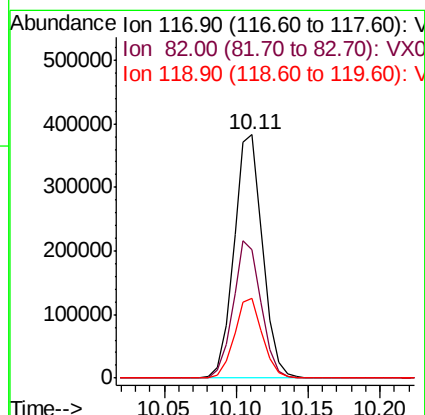
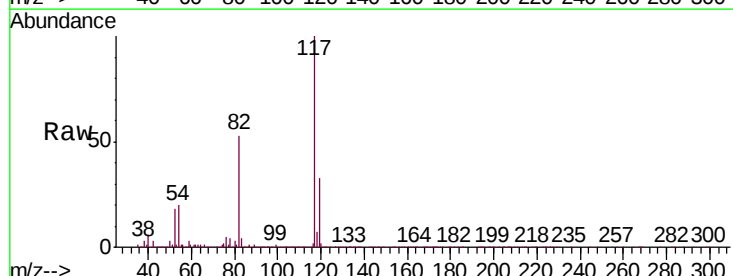
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#03

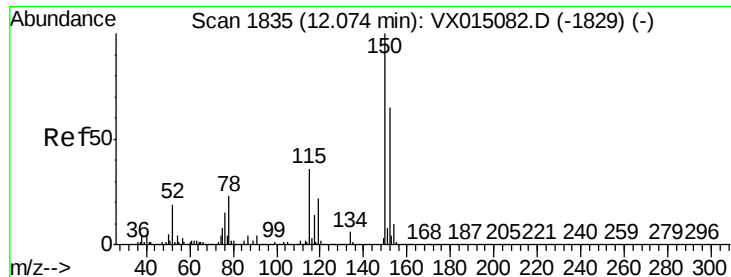
Tgt Ion: 95 Resp: 243772
Ion Ratio Lower Upper
95 100
174 88.9 0.0 177.6
176 85.0 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015194.D
Acq: 11 Mar 2020 12:46

Tgt Ion: 117 Resp: 528367
Ion Ratio Lower Upper
117 100
82 52.8 43.3 64.9
119 32.6 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX015194.D

Acq: 11 Mar 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#03

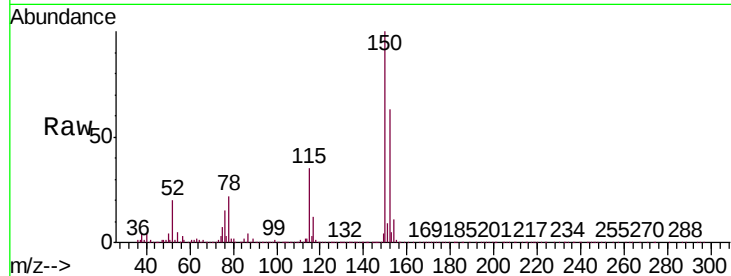
Tgt Ion:152 Resp: 260759

Ion Ratio Lower Upper

152 100

115 55.3 38.2 114.6

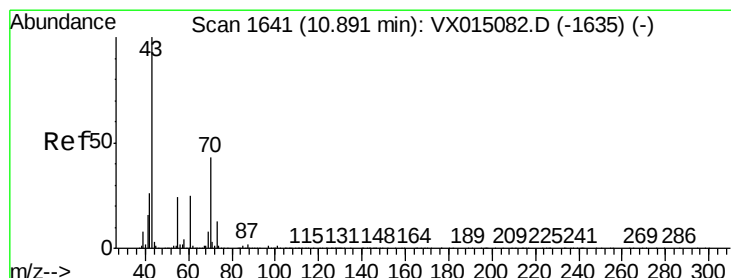
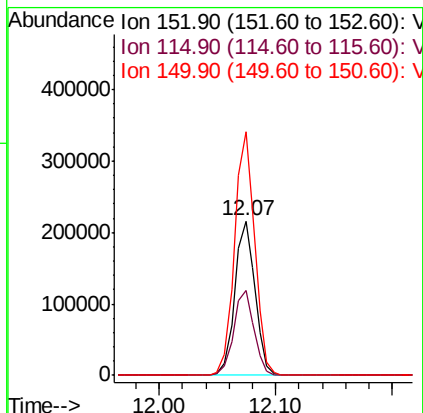
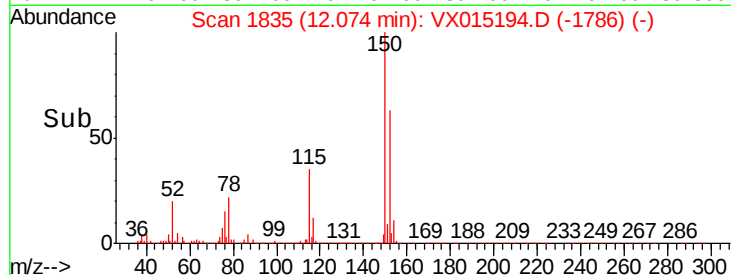
150 157.4 0.0 343.8



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: 0.529 ug/l

RT: 10.82 min Scan# 1629

Delta R.T. -0.07 min

Lab File: VX015194.D

Acq: 11 Mar 2020 12:46

Tgt Ion: 43 Resp: 3713

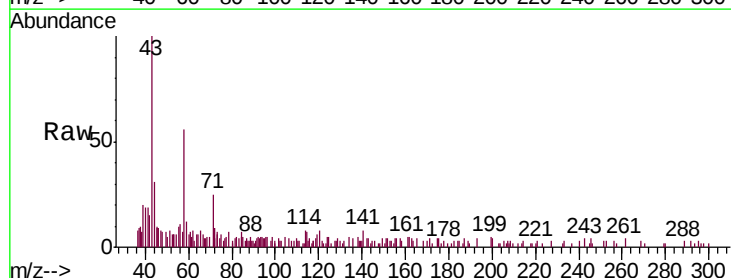
Ion Ratio Lower Upper

43 100

70 3.3 34.7 52.1#

55 9.8 19.4 29.0#

61 10.2 19.0 28.6#

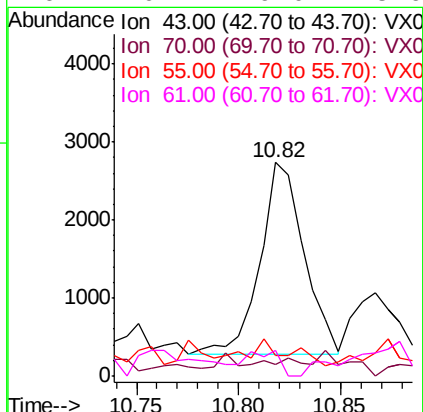
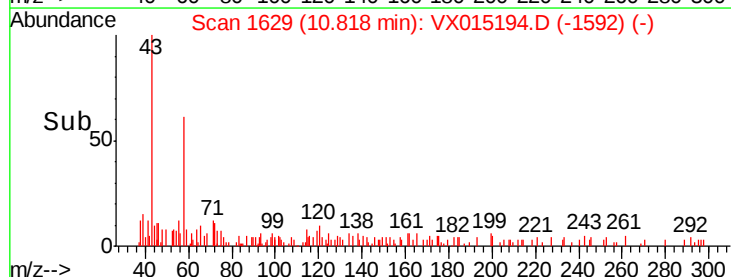


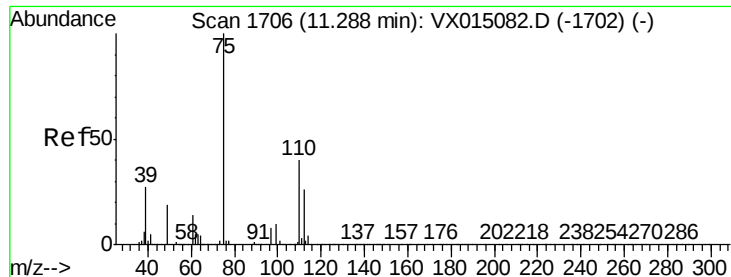
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.376 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015194.D

Acq: 11 Mar 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

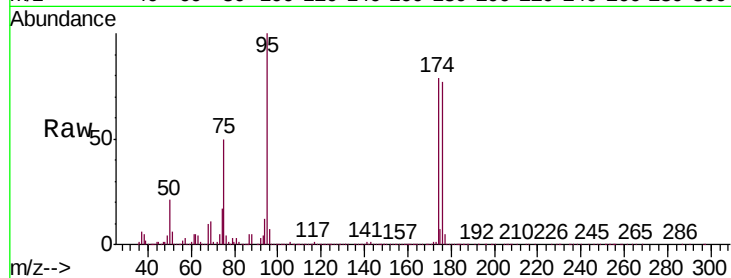
PB127431ZHE#03

Tgt Ion: 75 Resp: 121588

Ion Ratio Lower Upper

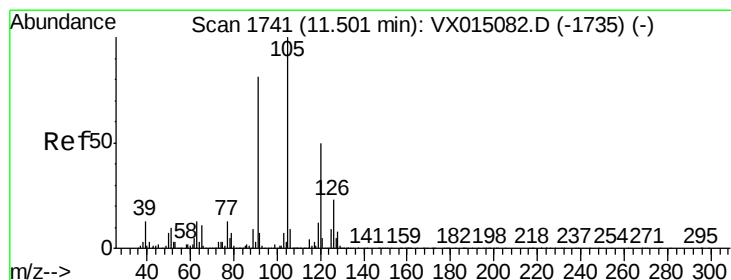
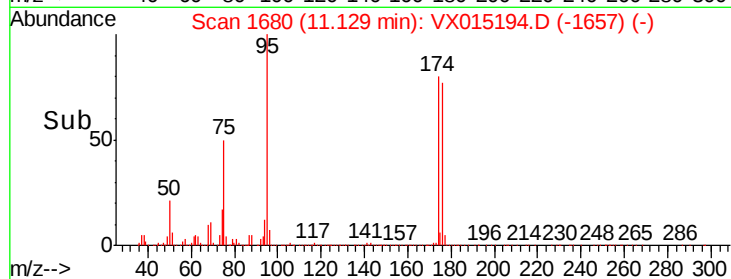
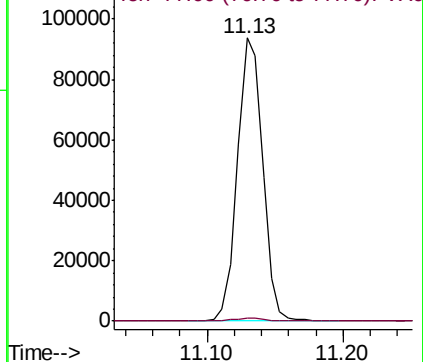
75 100

77 1.6 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#80

1,3,5-Trimethylbenzene

Concen: 0.262 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VX015194.D

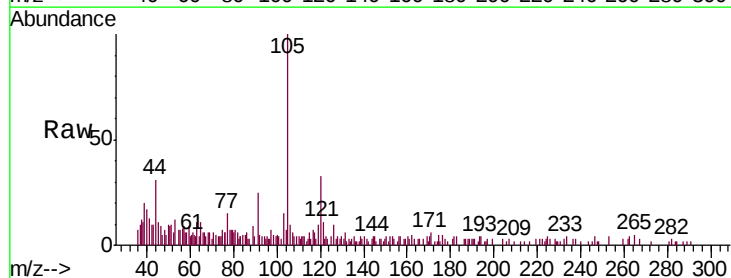
Acq: 11 Mar 2020 12:46

Tgt Ion: 105 Resp: 3632

Ion Ratio Lower Upper

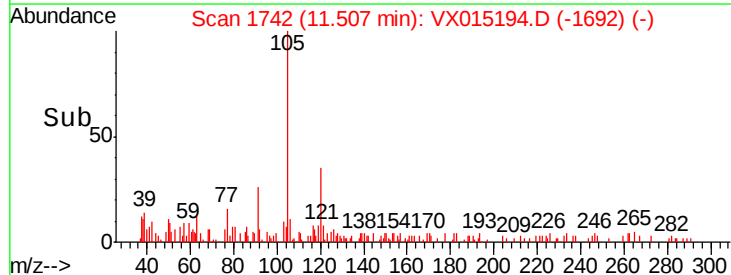
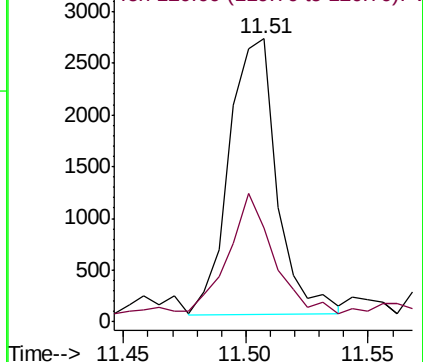
105 100

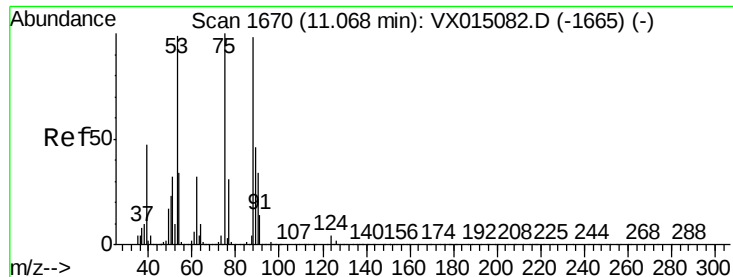
120 47.4 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 66.342 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015194.D

Acq: 11 Mar 2020 12:46

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#03

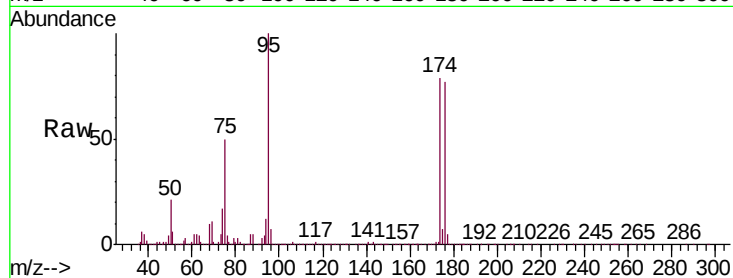
Tgt Ion: 75 Resp: 121588

Ion Ratio Lower Upper

75 100

53 0.4 77.9 116.9#

89 0.0 36.2 54.2#

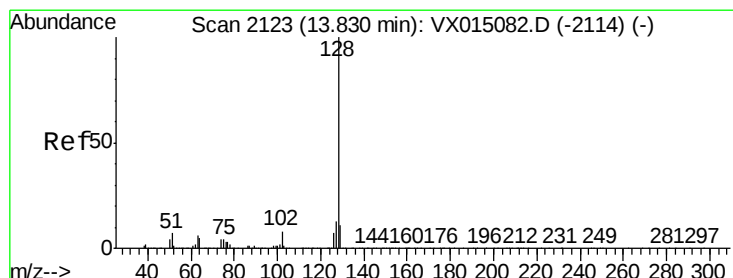
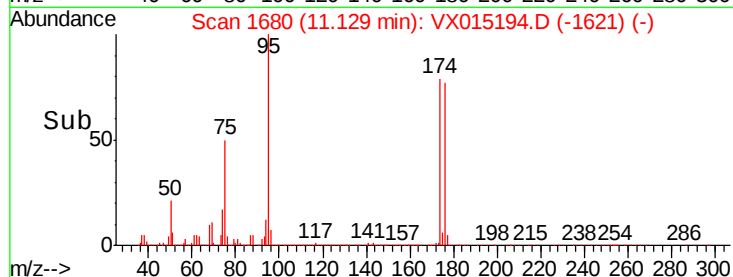
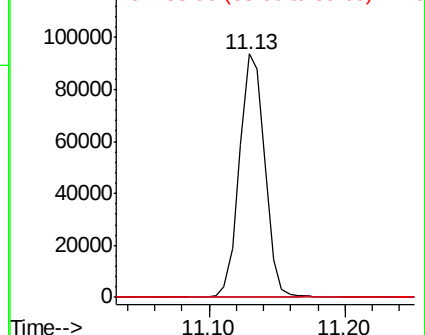


Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 1.442 ug/l

RT: 13.82 min Scan# 2122

Delta R.T. -0.01 min

Lab File: VX015194.D

Acq: 11 Mar 2020 12:46

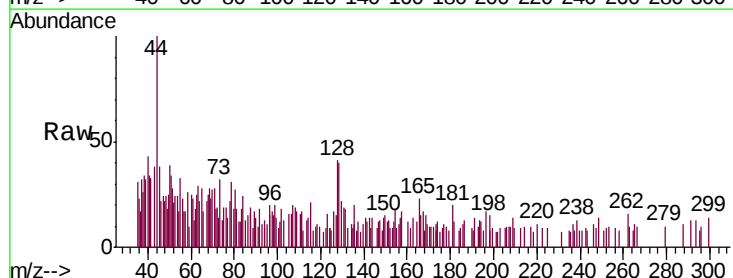
Tgt Ion: 128 Resp: 391

Ion Ratio Lower Upper

128 100

127 76.5 10.3 15.5#

129 66.0 8.6 13.0#



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

