

Data File : VX015203.D
Acq On : 11 Mar 2020 16:10
Operator : JC/SP
Sample : PB127431ZHE#12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#12

Quant Time: Mar 12 05:50:07 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	328874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	551822	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	553780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	270541	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	209248	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
35) Dibromofluoromethane	5.49	113	177017	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	8.71	98	700433	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	11.13	95	249547	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	

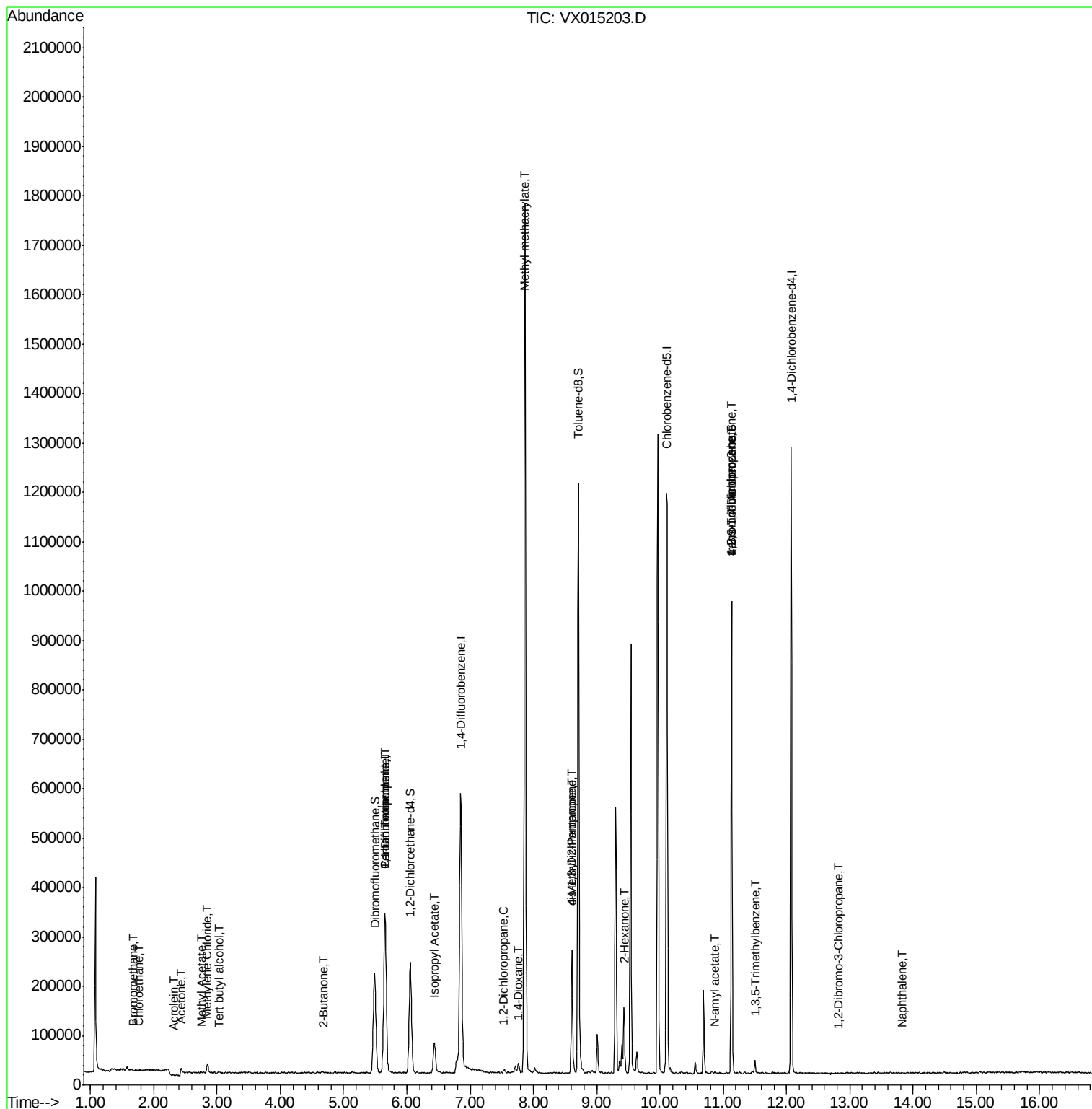
Target Compounds				Qvalue		
5) Bromomethane	1.67	94	782	0.308	ug/l #	16
6) Chloroethane	1.76	64	855	0.345	ug/l #	76
11) Tert butyl alcohol	3.03	59	424	0.626	ug/l #	1
13) Acrolein	2.32	56	218	0.343	ug/l #	1
16) Acetone	2.44	43	12733	8.058	ug/l	100
18) Methyl Acetate	2.76	43	4213	1.090	ug/l	99
20) Methylene Chloride	2.85	84	9839	2.661	ug/l	89
25) 2-Butanone	4.68	43	3329	1.439	ug/l #	65
36) 1,1-Dichloropropene	5.65	75	23172	4.542	ug/l #	51
38) Carbon Tetrachloride	5.65	117	28404	5.899	ug/l #	18
43) Isopropyl Acetate	6.44	43	87168	10.471	ug/l	97
45) 1,2-Dichloropropane	7.52	63	845	0.216	ug/l #	44
48) Methyl methacrylate	7.87	41	151335	35.718	ug/l #	43
49) 1,4-Dioxane	7.75	88	226	2.467	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	85447	17.360	ug/l #	53
54) cis-1,3-Dichloropropene	8.61	75	39742	6.543	ug/l #	60
59) 2-Hexanone	9.43	43	105708	28.976	ug/l #	24
74) N-amyl acetate	10.87	43	1678	0.230	ug/l #	72
76) 1,2,3-Trichloropropane	11.13	75	127505	23.627	ug/l #	33
80) 1,3,5-Trimethylbenzene	11.50	105	11370	0.790	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.13	75	127505	67.055	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.82	75	267	0.232	ug/l	70
95) Naphthalene	13.82	128	796	1.463	ug/l #	49

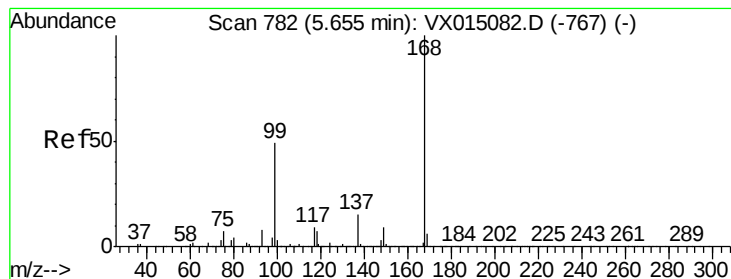
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
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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: VX015203.D

Acq: 11 Mar 2020 16:10

Instrument :

MSVOA_X

ClientSampleId :

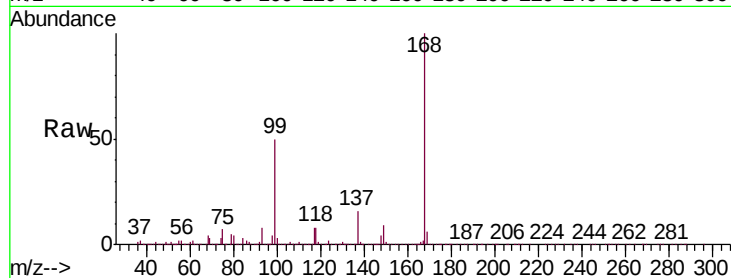
PB127431ZHE#12

Tgt Ion:168 Resp: 328874

Ion Ratio Lower Upper

168 100

99 49.7 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

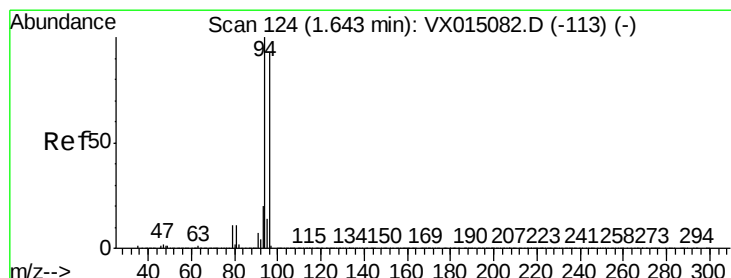
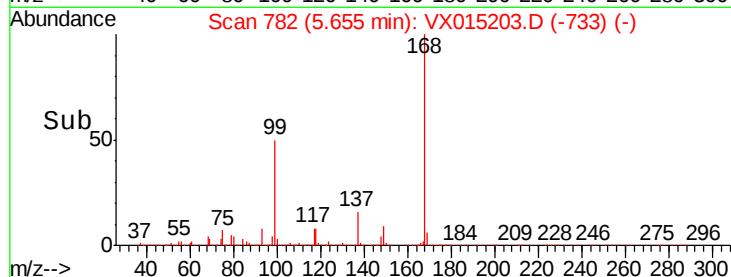
5.65

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.308 ug/l

RT: 1.67 min Scan# 128

Delta R.T. 0.02 min

Lab File: VX015203.D

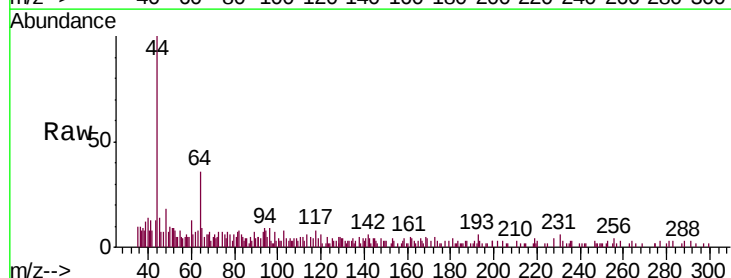
Acq: 11 Mar 2020 16:10

Tgt Ion: 94 Resp: 782

Ion Ratio Lower Upper

94 100

96 13.0 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.67

500

400

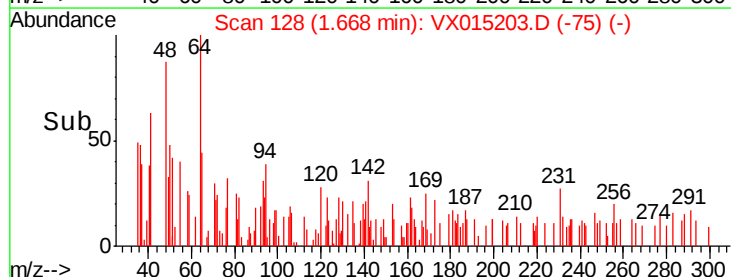
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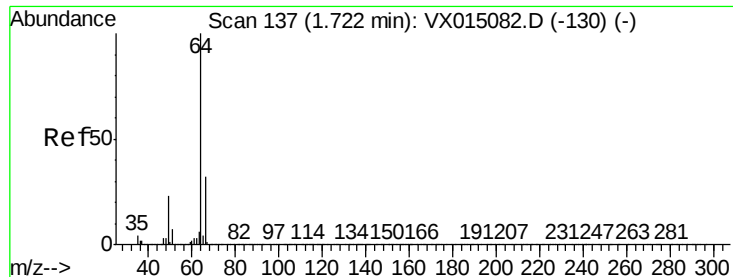
200

100

0

Time-->





#6

Chloroethane

Concen: 0.345 ug/l

RT: 1.76 min Scan# 143

Delta R.T. 0.04 min

Lab File: VX015203.D

Acq: 11 Mar 2020 16:10

Instrument :

MSVOA_X

ClientSampleId :

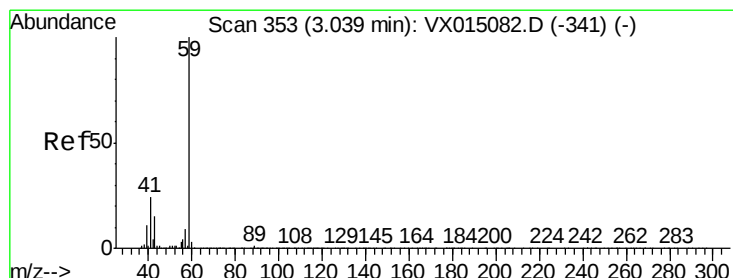
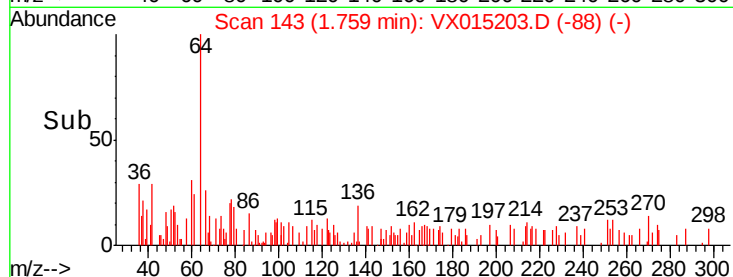
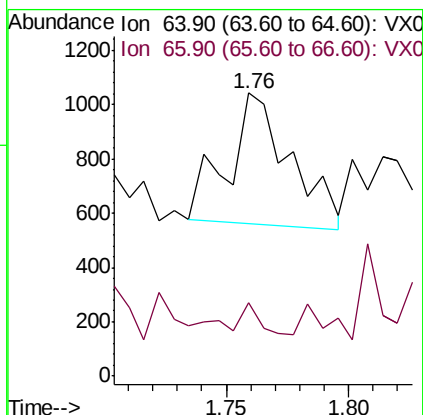
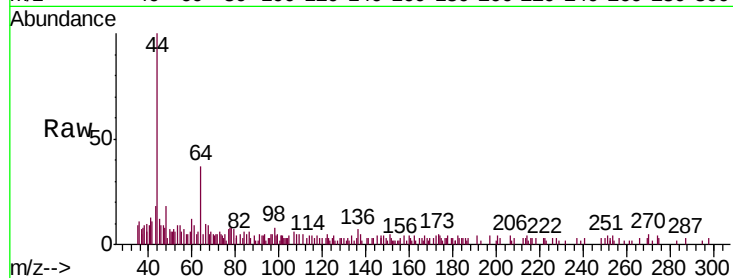
PB127431ZHE#12

Tgt Ion: 64 Resp: 855

Ion Ratio Lower Upper

64 100

66 18.7 25.8 38.8#



#11

Tert butyl alcohol

Concen: 0.626 ug/l

RT: 3.03 min Scan# 352

Delta R.T. -0.01 min

Lab File: VX015203.D

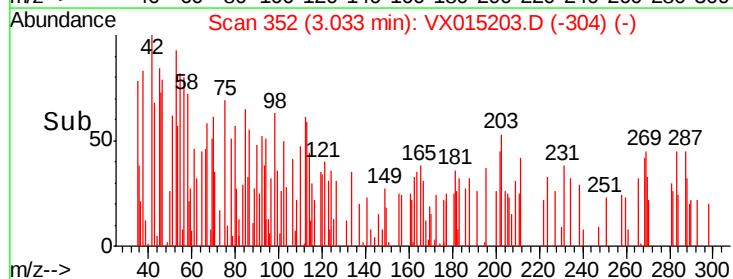
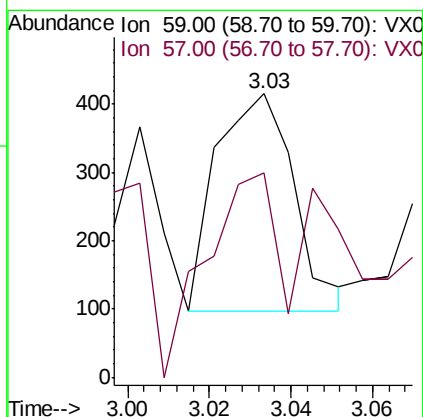
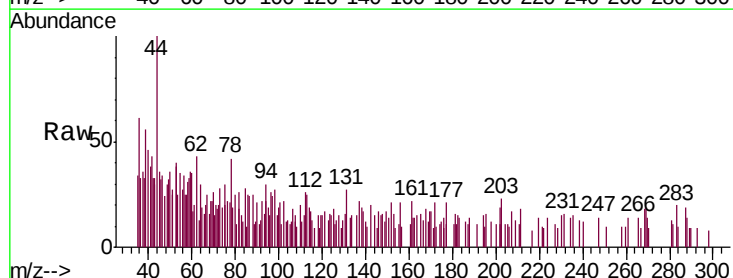
Acq: 11 Mar 2020 16:10

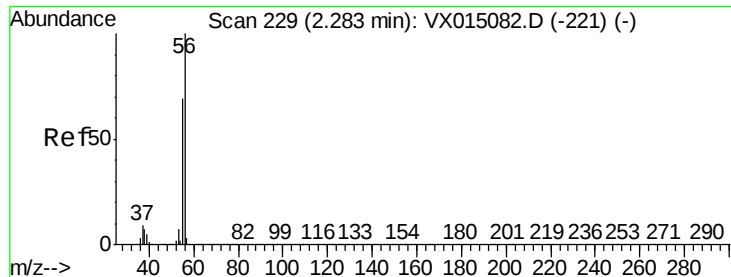
Tgt Ion: 59 Resp: 424

Ion Ratio Lower Upper

59 100

57 86.8 8.2 12.4#





#13

Acrolein

Concen: 0.343 ug/l

RT: 2.32 min Scan# 235

Delta R.T. 0.04 min

Lab File: VX015203.D

Acq: 11 Mar 2020 16:10

Instrument :

MSVOA_X

ClientSampleId :

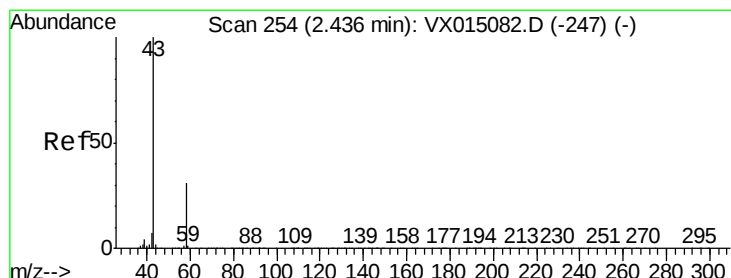
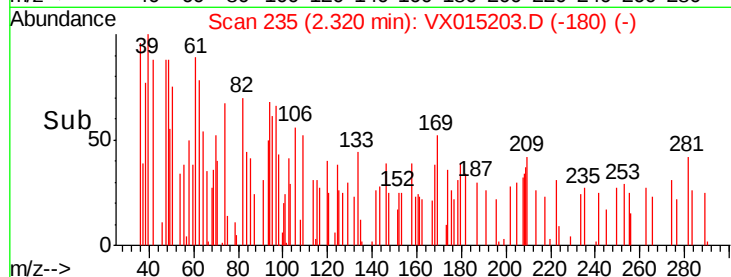
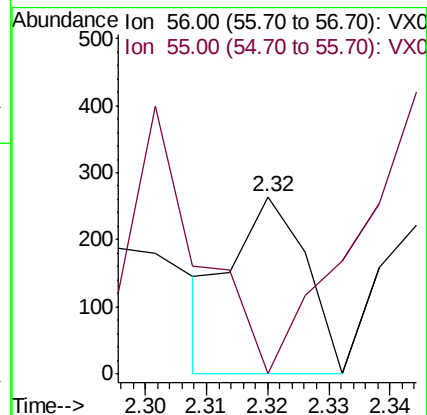
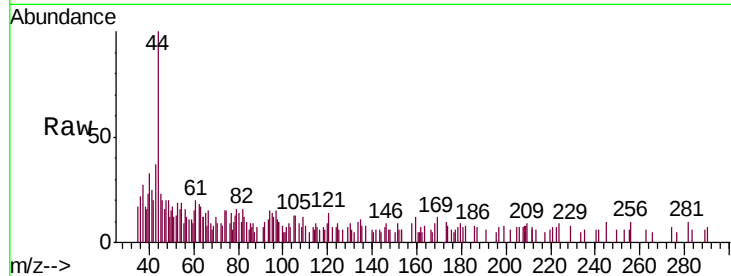
PB127431ZHE#12

Tgt Ion: 56 Resp: 218

Ion Ratio Lower Upper

56 100

55 244.5 55.4 83.0#



#16

Acetone

Concen: 8.058 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX015203.D

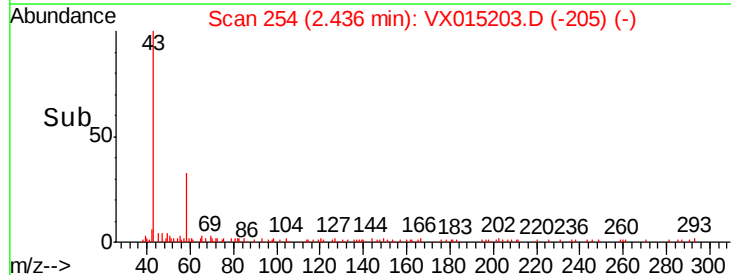
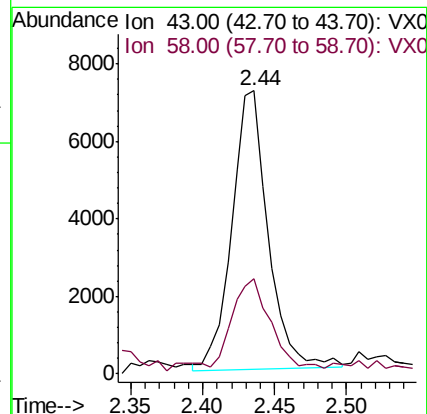
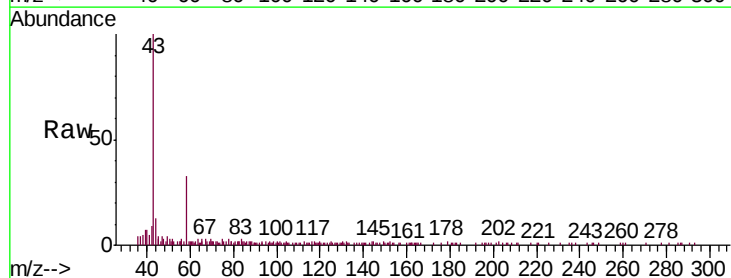
Acq: 11 Mar 2020 16:10

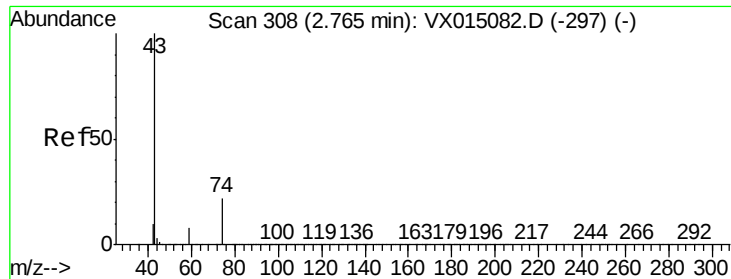
Tgt Ion: 43 Resp: 12733

Ion Ratio Lower Upper

43 100

58 31.2 24.8 37.2

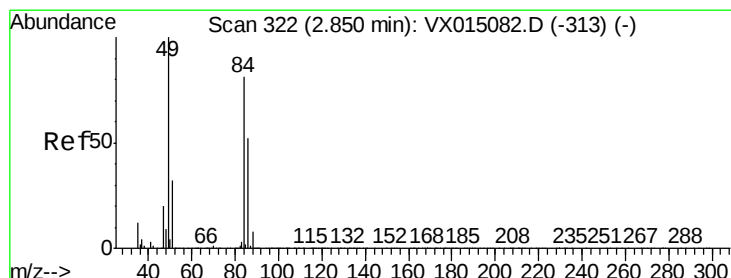
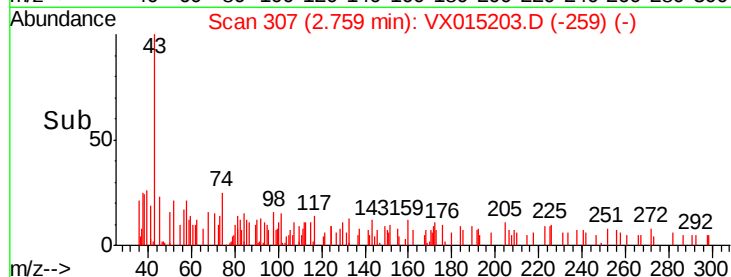
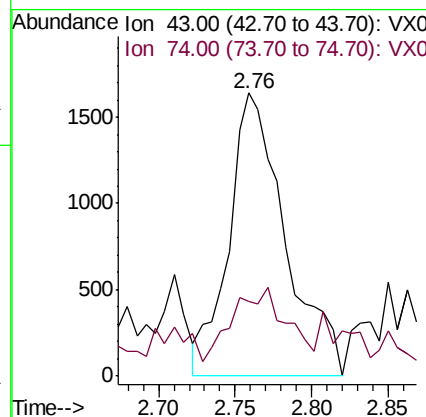
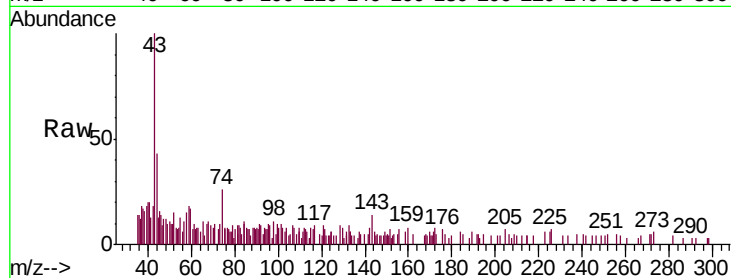




#18
Methyl Acetate
Concen: 1.090 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX015203.D
Acq: 11 Mar 2020 16:10

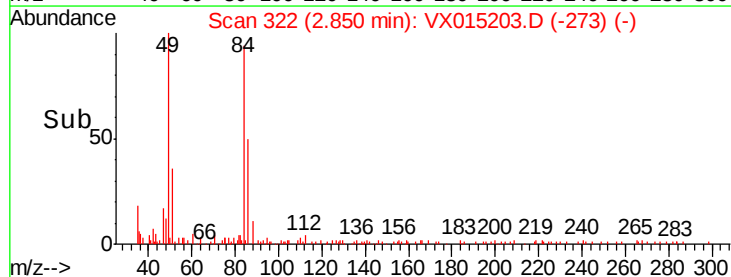
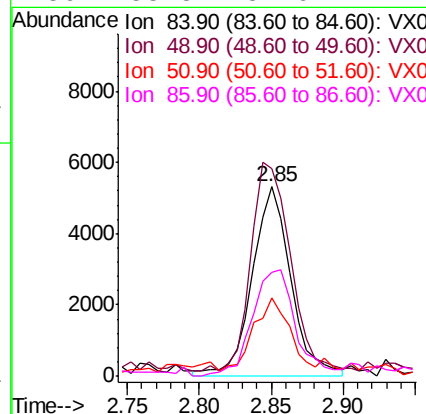
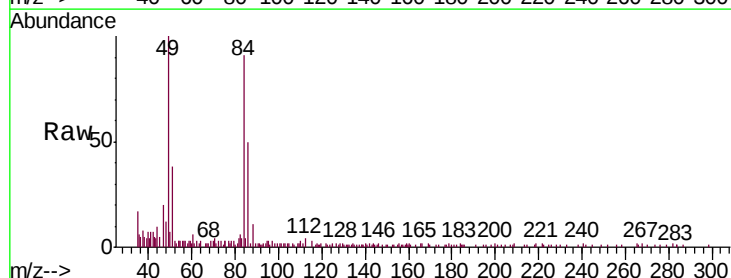
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#12

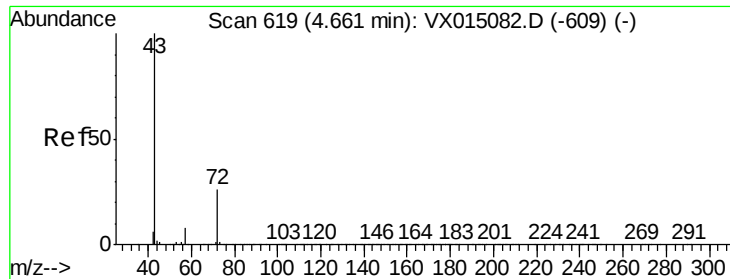
Tgt Ion: 43 Resp: 4213
Ion Ratio Lower Upper
43 100
74 24.2 18.8 28.2



#20
Methylene Chloride
Concen: 2.661 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX015203.D
Acq: 11 Mar 2020 16:10

Tgt Ion: 84 Resp: 9839
Ion Ratio Lower Upper
84 100
49 109.4 99.4 149.2
51 38.7 31.5 47.3
86 53.8 51.6 77.4

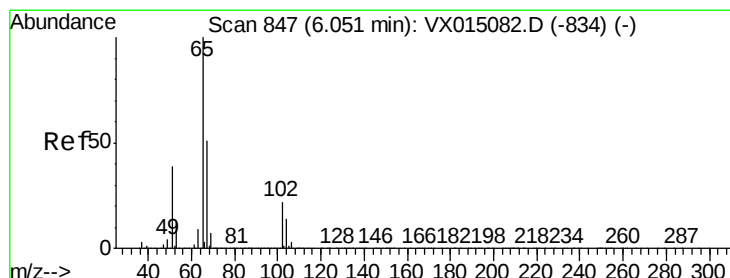
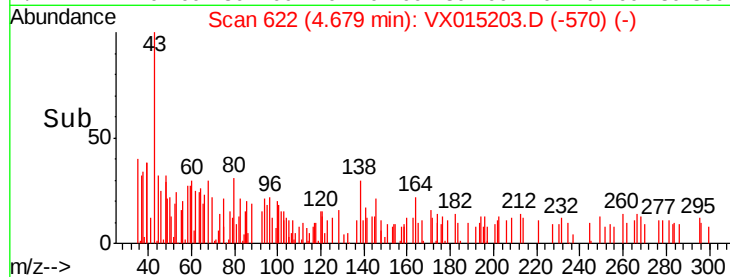
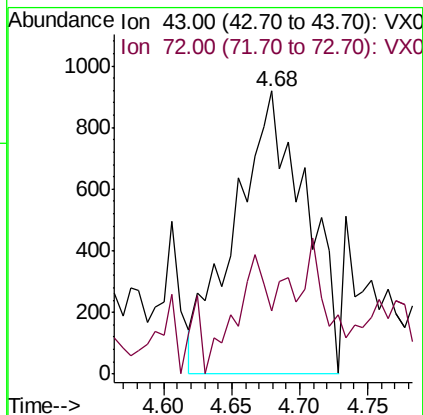
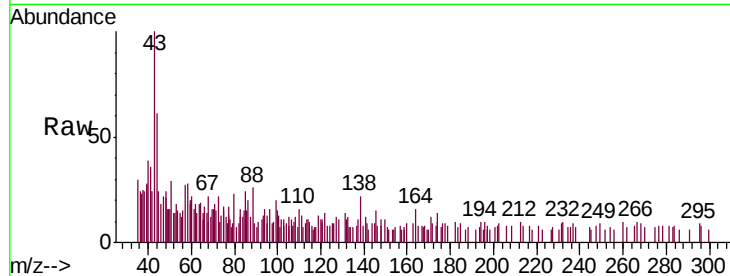




#25
2-Butanone
Concen: 1.439 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX015203.D
Acq: 11 Mar 2020 16:10

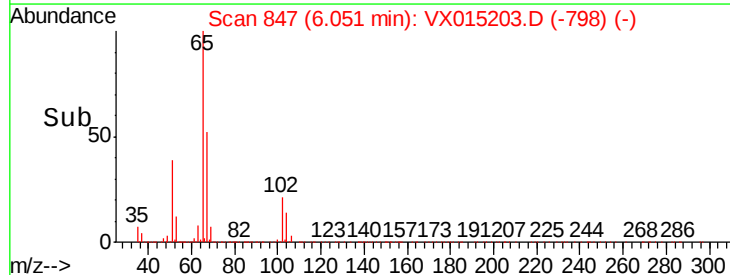
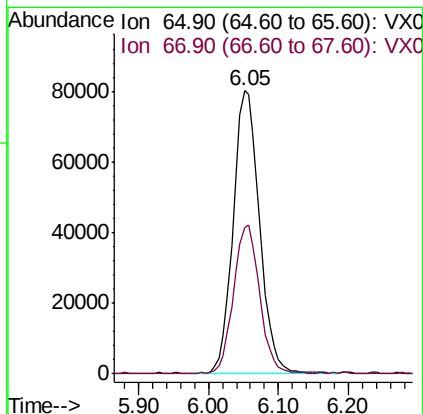
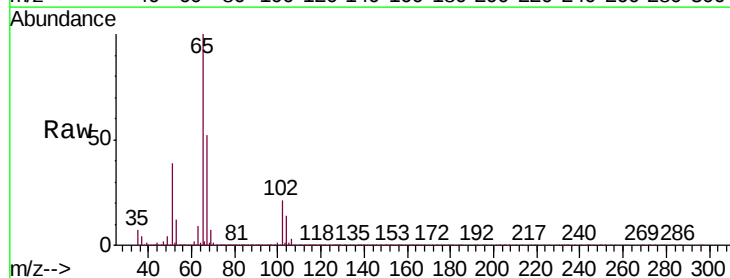
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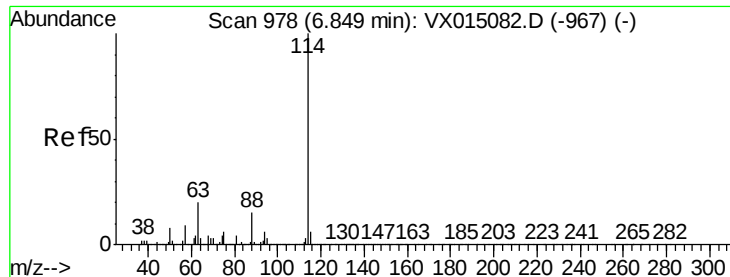
Tgt Ion: 43 Resp: 3329
Ion Ratio Lower Upper
43 100
72 7.8 20.6 30.8#



#33
1,2-Dichloroethane-d4
Concen: 53.630 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX015203.D
Acq: 11 Mar 2020 16:10

Tgt Ion: 65 Resp: 209248
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.6

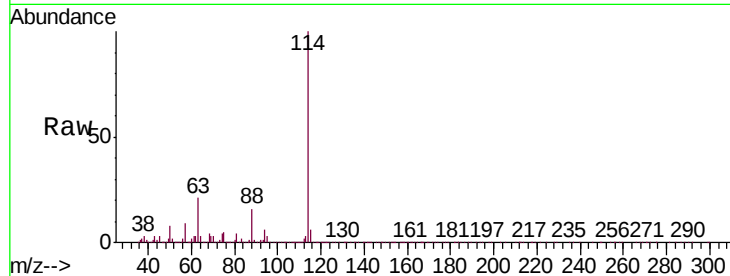




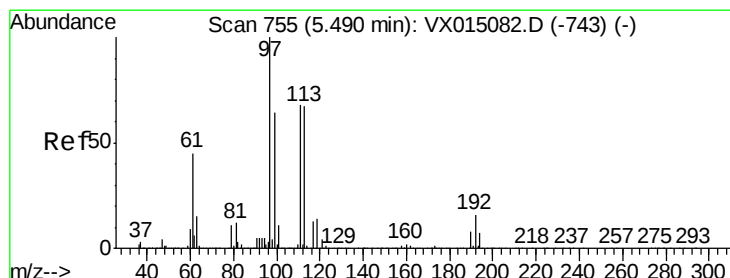
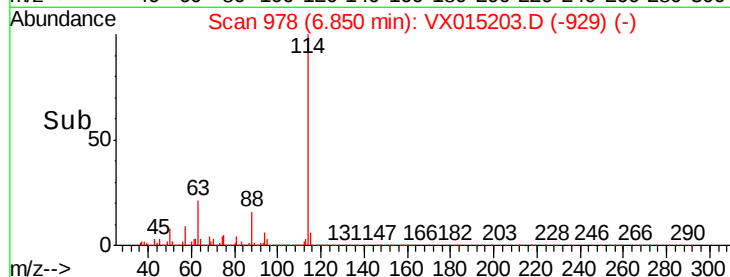
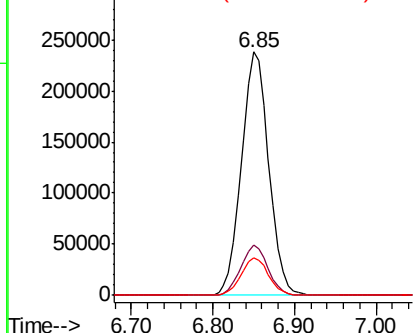
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX015203.D
Acq: 11 Mar 2020 16:10

Instrument :
MSVOA_X
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PB127431ZHE#12

Tgt Ion:114 Resp: 551822
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.0
88 15.6 0.0 30.6

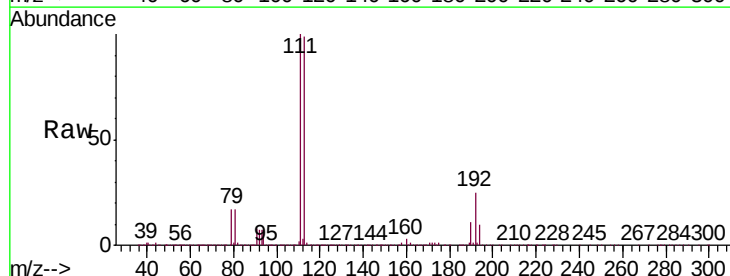


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

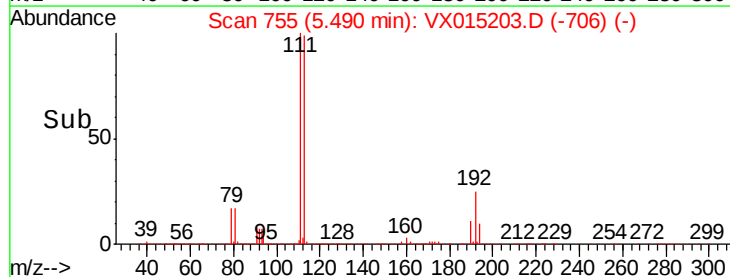
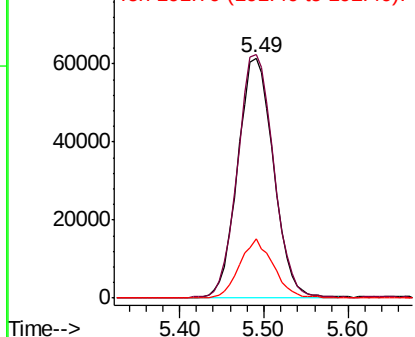


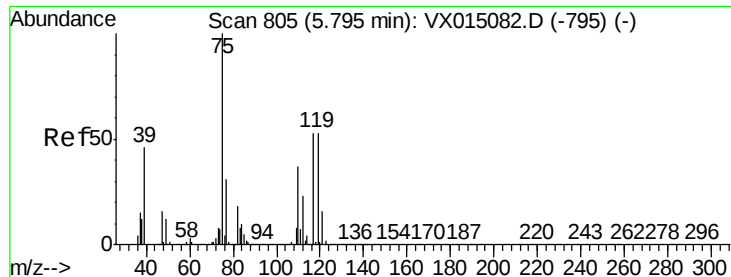
#35
Dibromofluoromethane
Concen: 50.848 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX015203.D
Acq: 11 Mar 2020 16:10

Tgt Ion:113 Resp: 177017
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 23.0 18.6 28.0



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

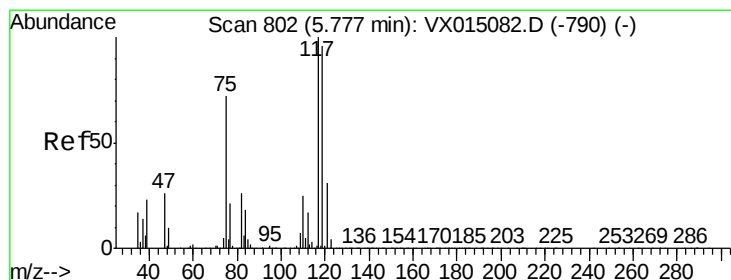
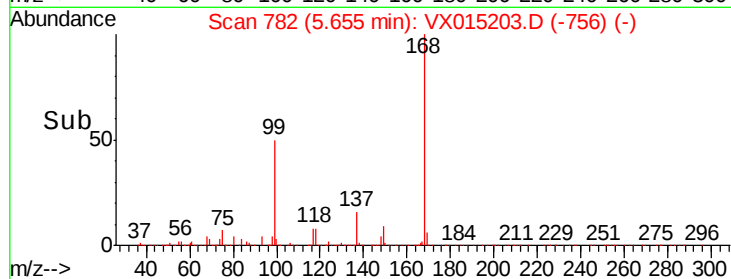
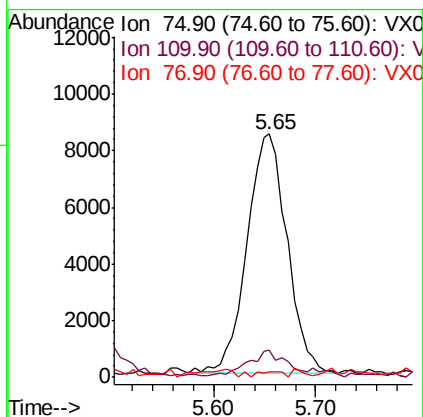
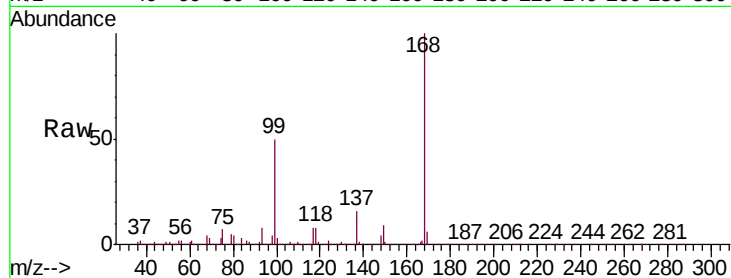




#36
 1,1-Dichloropropene
 Concen: 4.542 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015203.D
 Acq: 11 Mar 2020 16:10

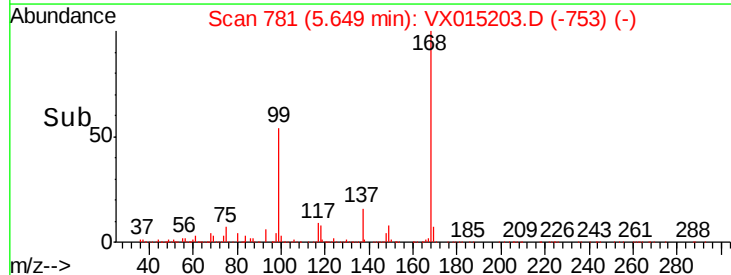
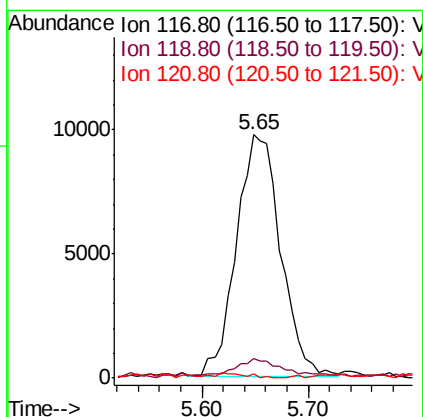
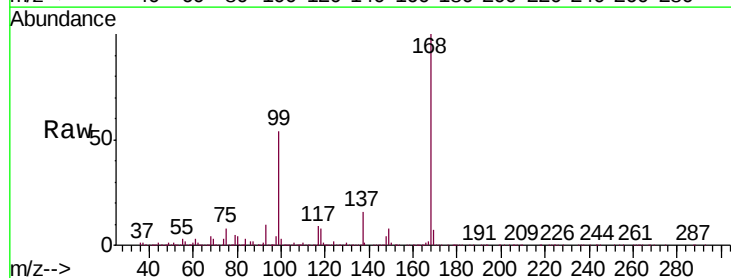
Instrument :
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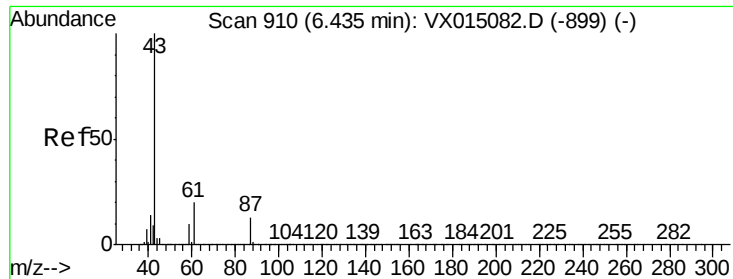
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.9	53.8#
77	1.4	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.899 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX015203.D
 Acq: 11 Mar 2020 16:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.1	76.9	115.3#
121	0.8	24.6	37.0#





#43

Isopropyl Acetate

Concen: 10.471 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX015203.D

Acq: 11 Mar 2020 16:10

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#12

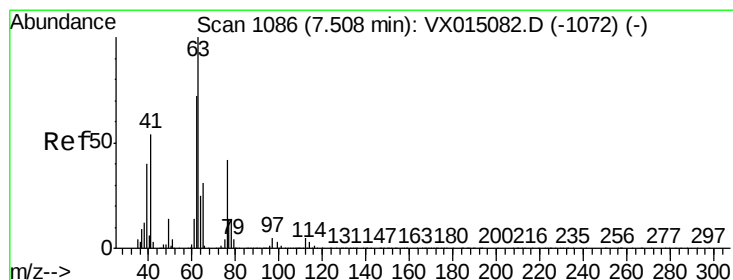
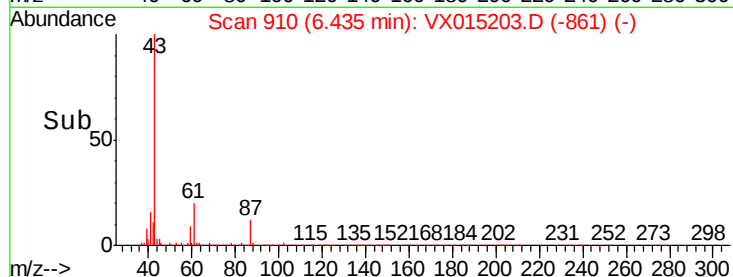
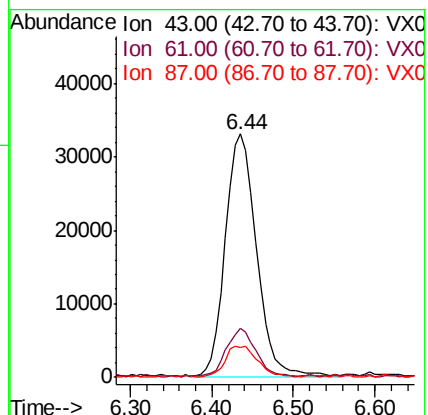
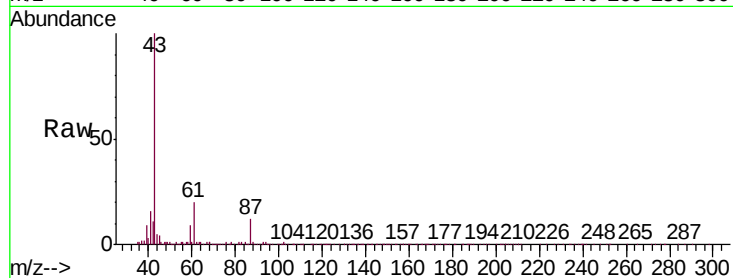
Tgt Ion: 43 Resp: 87168

Ion Ratio Lower Upper

43 100

61 18.4 16.1 24.1

87 12.8 10.6 16.0



#45

1,2-Dichloropropane

Concen: 0.216 ug/l

RT: 7.52 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX015203.D

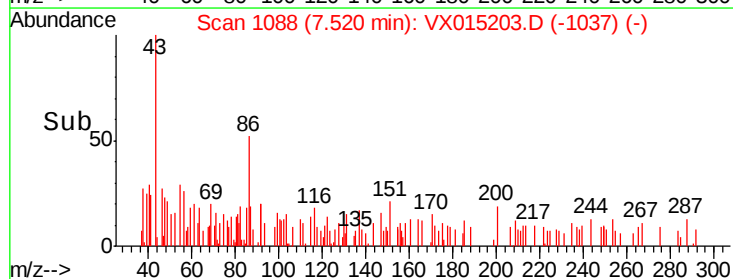
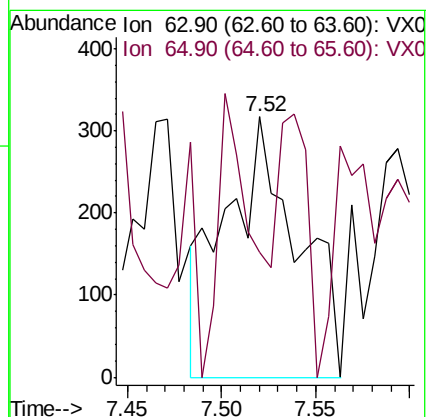
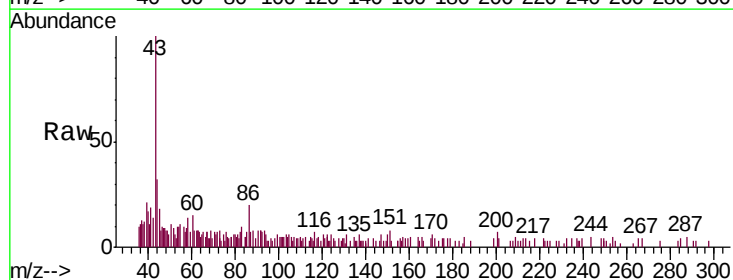
Acq: 11 Mar 2020 16:10

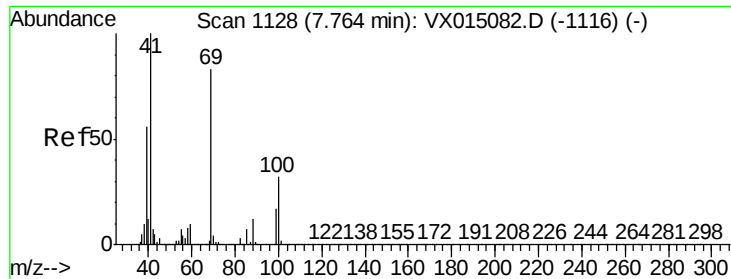
Tgt Ion: 63 Resp: 845

Ion Ratio Lower Upper

63 100

65 0.0 24.6 36.8#





#48

Methyl methacrylate

Concen: 35.718 ug/l

RT: 7.87 min Scan# 1145

Delta R.T. 0.10 min

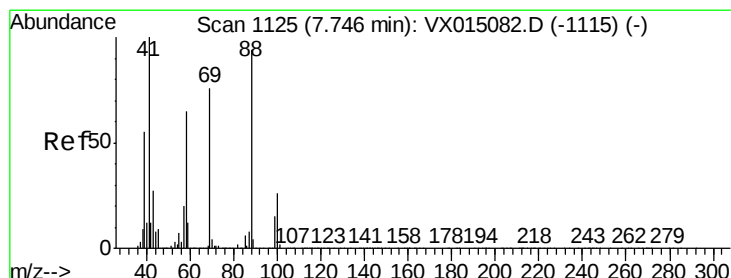
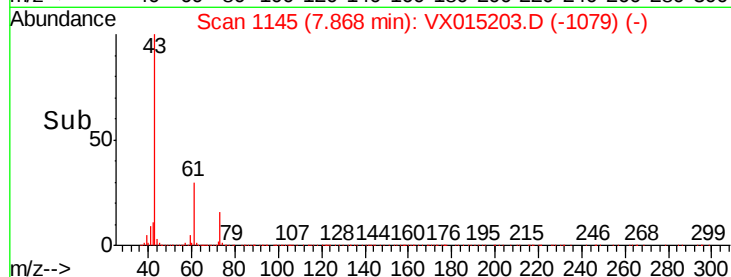
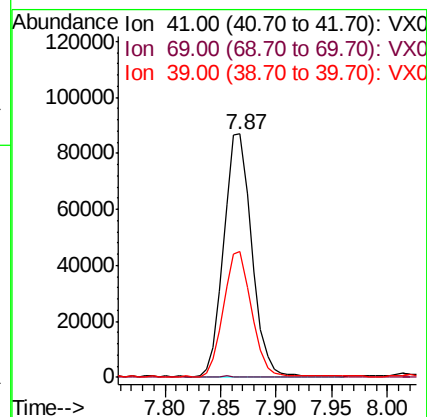
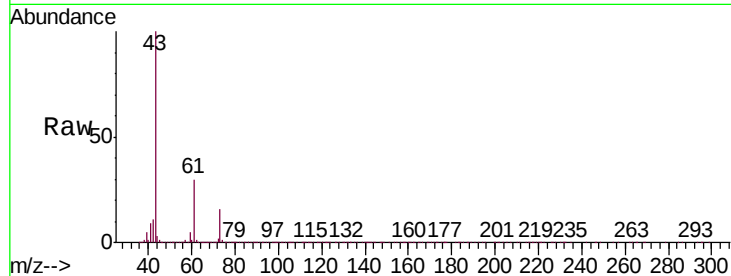
Lab File: VX015203.D

Acq: 11 Mar 2020 16:10

Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#12

Tgt Ion: 41 Resp: 151335

Ion	Ratio	Lower	Upper
41	100		
69	0.2	65.4	98.2#
39	51.4	44.6	67.0



#49

1,4-Dioxane

Concen: 2.467 ug/l

RT: 7.75 min Scan# 1125

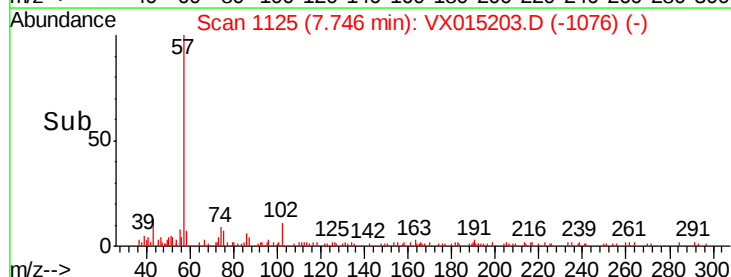
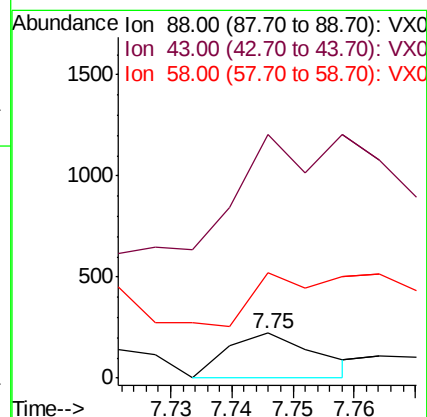
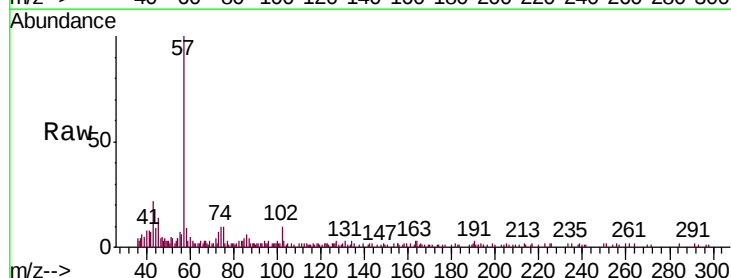
Delta R.T. 0.00 min

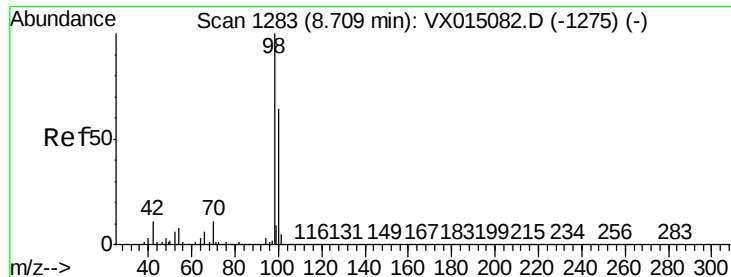
Lab File: VX015203.D

Acq: 11 Mar 2020 16:10

Tgt Ion: 88 Resp: 226

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.0	40.4#
58	331.0	55.6	83.4#





#50

Toluene-d8

Concen: 52.894 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015203.D

Acq: 11 Mar 2020 16:10

Instrument :

MSVOA_X

ClientSampleId :

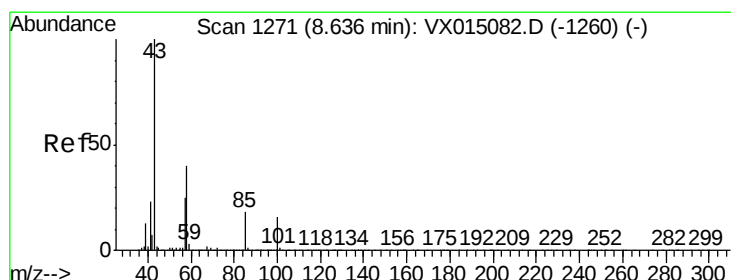
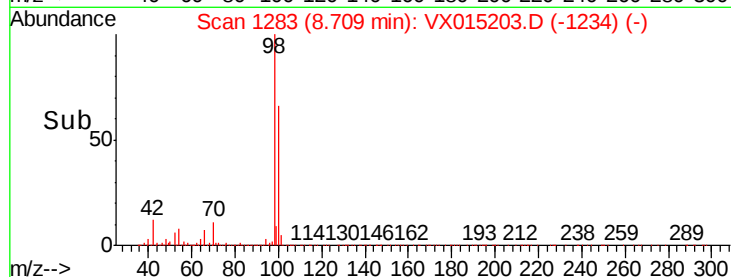
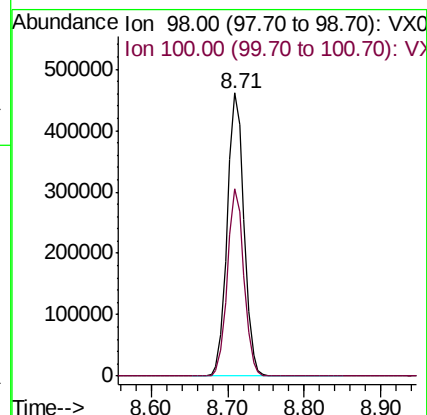
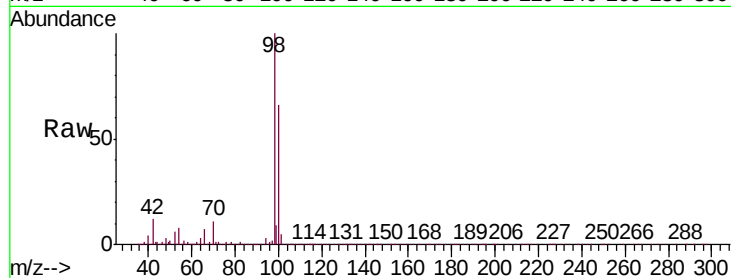
PB127431ZHE#12

Tgt Ion: 98 Resp: 700433

Ion Ratio Lower Upper

98 100

100 64.9 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 17.360 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX015203.D

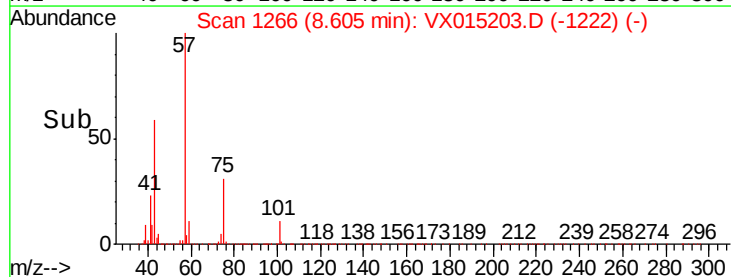
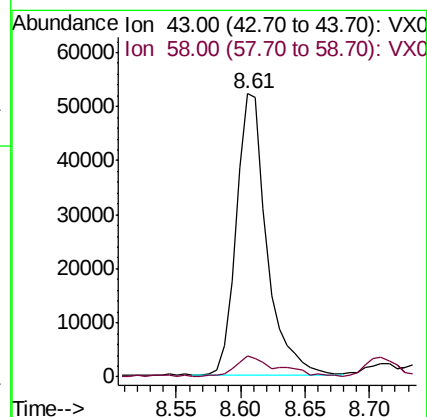
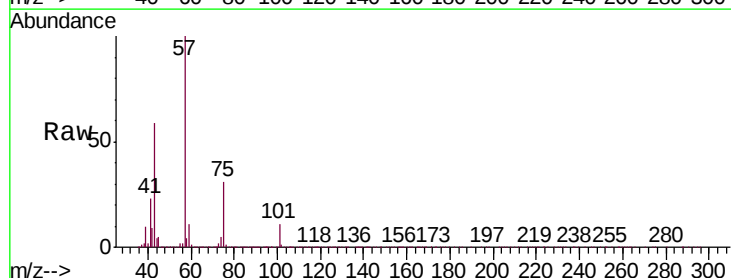
Acq: 11 Mar 2020 16:10

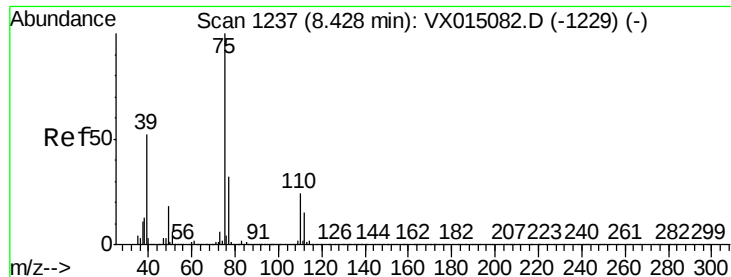
Tgt Ion: 43 Resp: 85447

Ion Ratio Lower Upper

43 100

58 10.6 31.6 47.4#





#54

cis-1,3-Dichloropropene

Concen: 6.543 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. 0.18 min

Lab File: VX015203.D

Acq: 11 Mar 2020 16:10

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#12

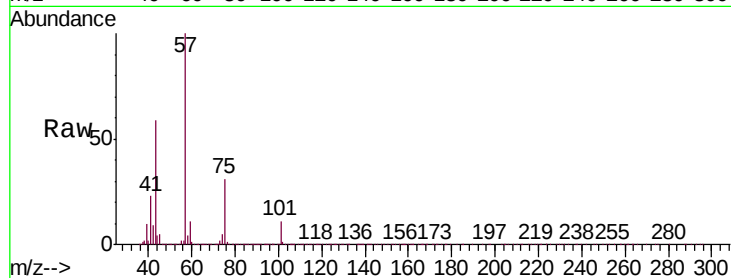
Tgt Ion: 75 Resp: 39742

Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.6#

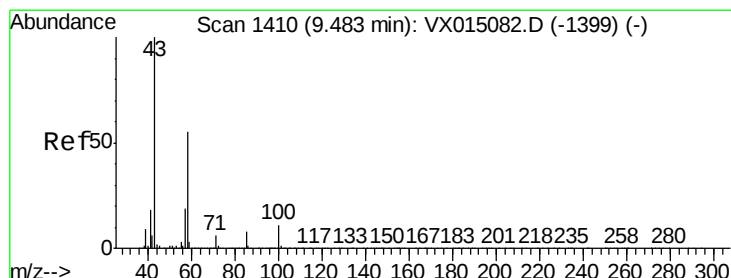
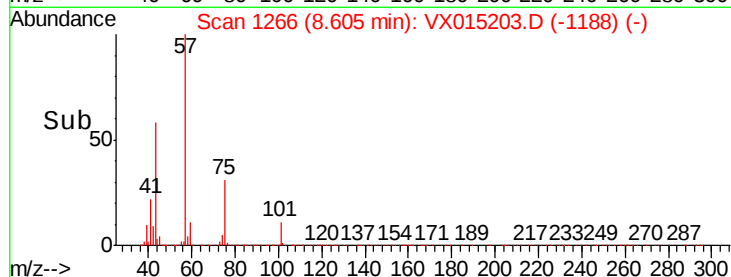
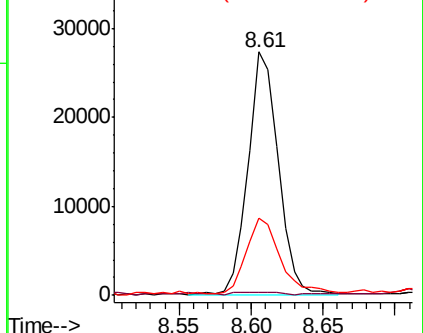
39 30.9 41.3 61.9#



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: 28.976 ug/l

RT: 9.43 min Scan# 1402

Delta R.T. -0.05 min

Lab File: VX015203.D

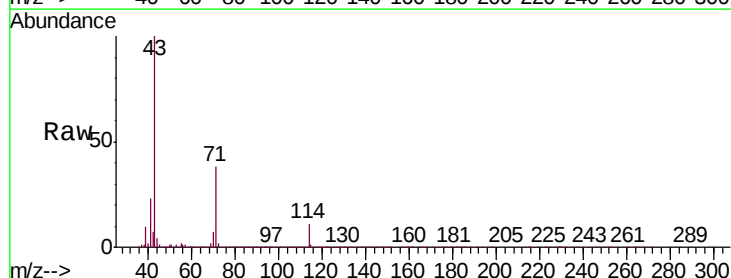
Acq: 11 Mar 2020 16:10

Tgt Ion: 43 Resp: 105708

Ion Ratio Lower Upper

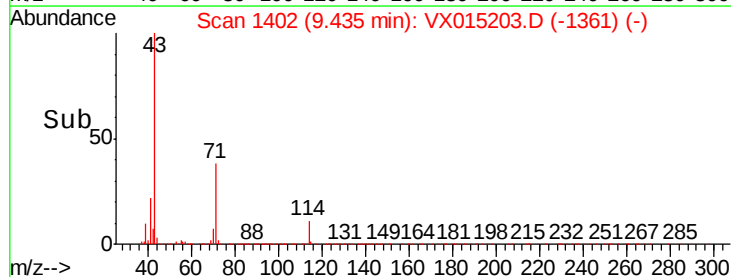
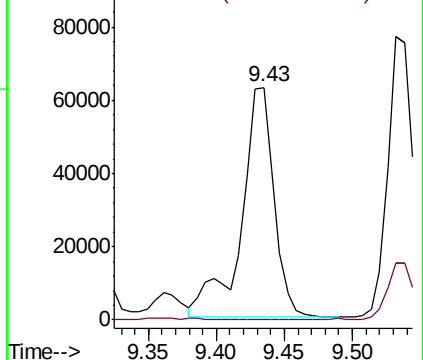
43 100

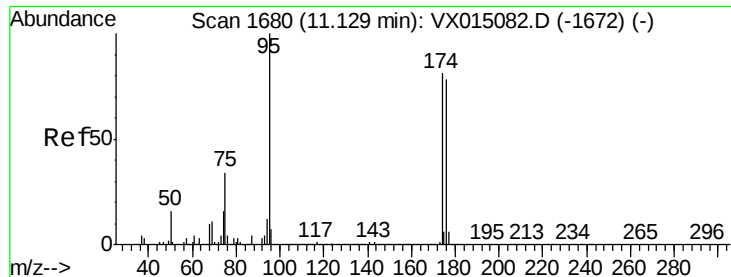
58 0.0 27.3 81.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

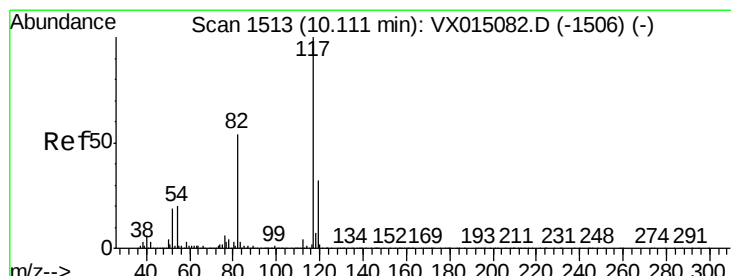
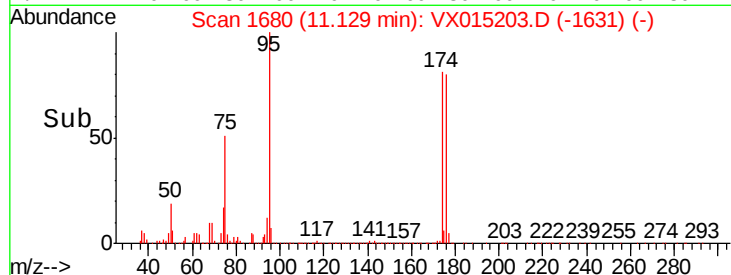
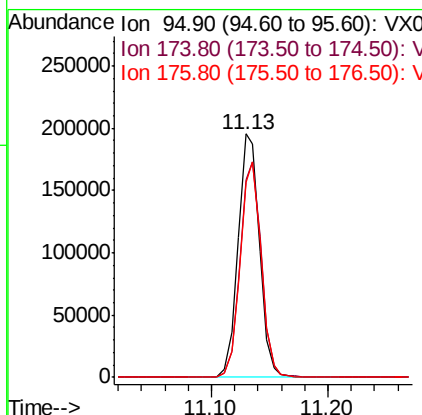
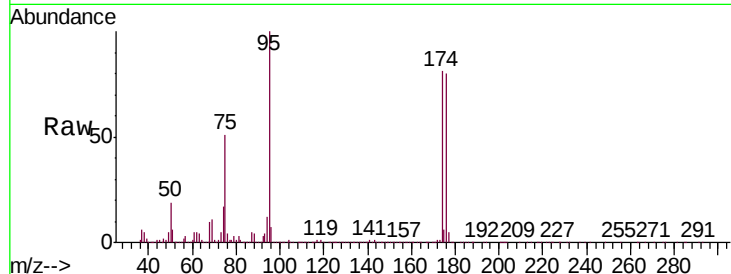




#62
4-Bromofluorobenzene
Concen: 52.832 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015203.D
Acq: 11 Mar 2020 16:10

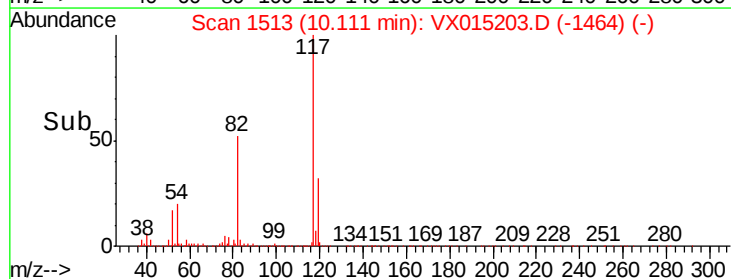
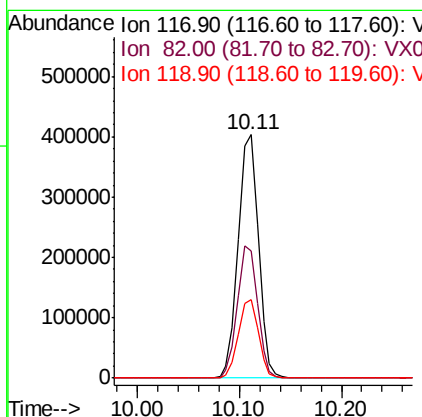
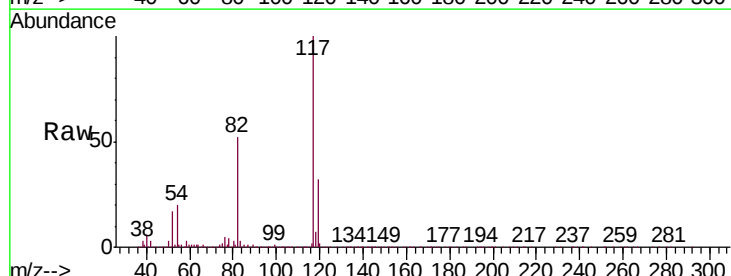
Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#12

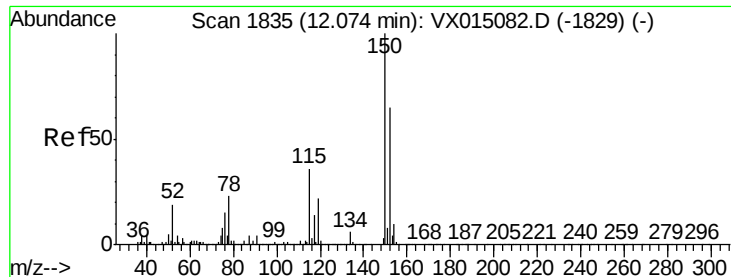
Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.3	0.0	177.6
176	86.8	0.0	170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015203.D
Acq: 11 Mar 2020 16:10

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	43.3	64.9
119	32.3	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: VX015203.D

Acq: 11 Mar 2020 16:10

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#12

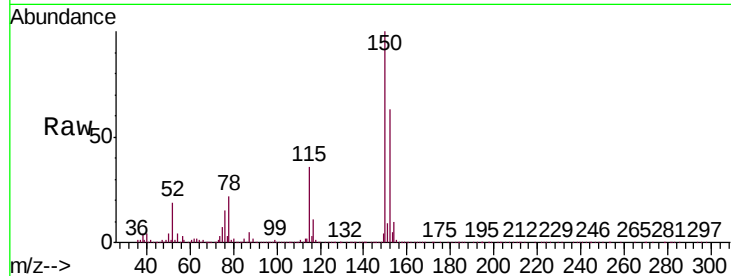
Tgt Ion:152 Resp: 270541

Ion Ratio Lower Upper

152 100

115 56.2 38.2 114.6

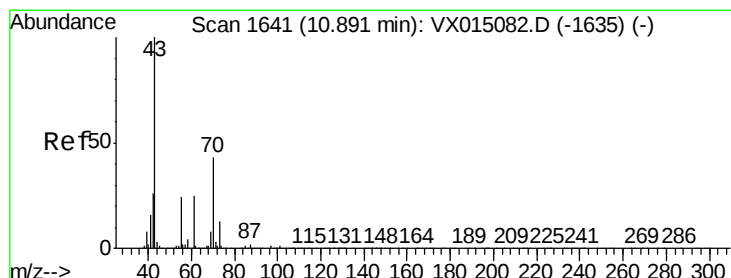
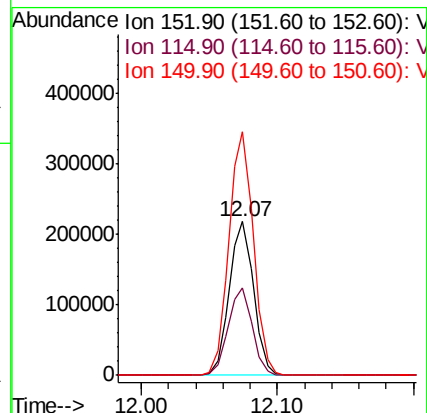
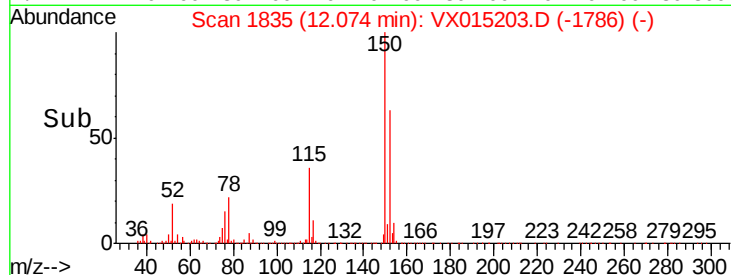
150 159.1 0.0 343.8



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: 0.230 ug/l

RT: 10.87 min Scan# 1637

Delta R.T. -0.02 min

Lab File: VX015203.D

Acq: 11 Mar 2020 16:10

Tgt Ion: 43 Resp: 1678

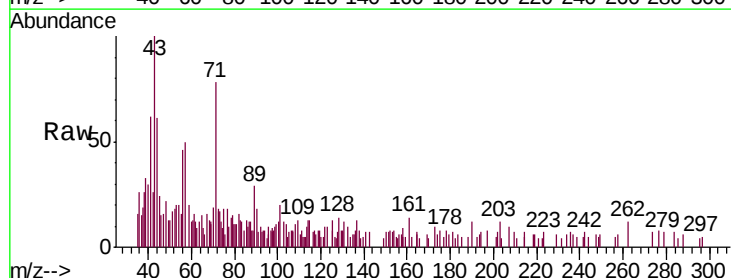
Ion Ratio Lower Upper

43 100

70 24.7 34.7 52.1#

55 21.7 19.4 29.0

61 0.0 19.0 28.6#

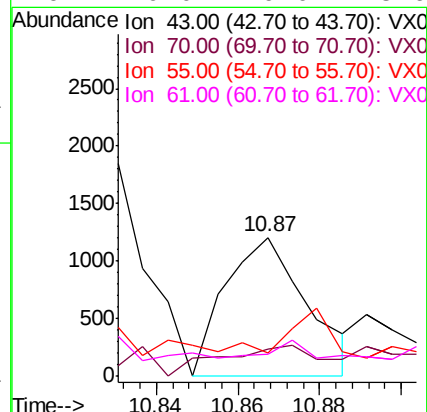
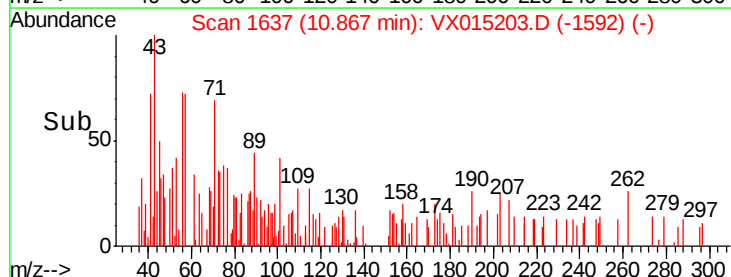


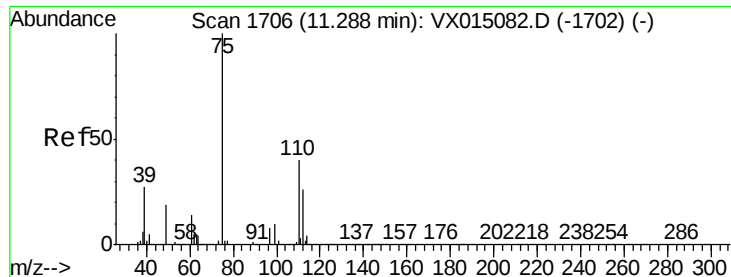
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

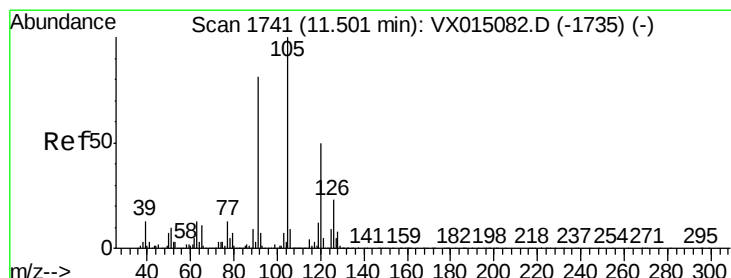
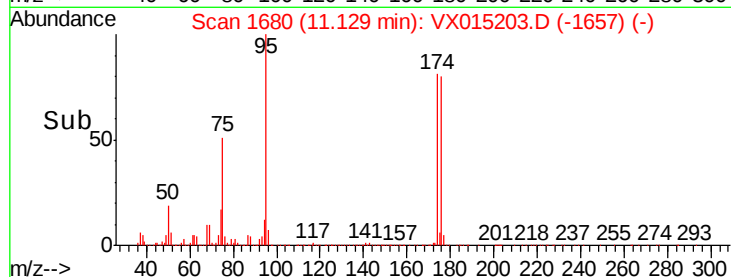
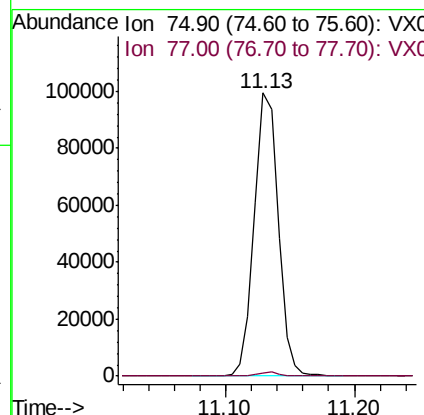
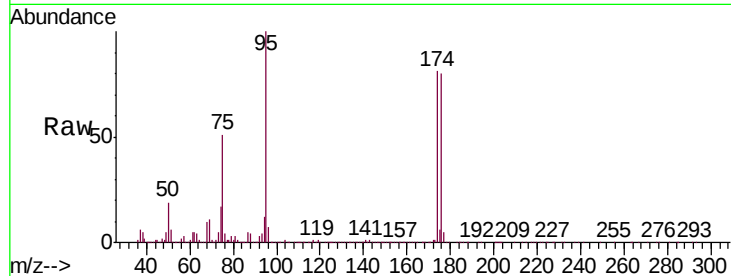




#76
 1,2,3-Trichloropropane
 Concen: 23.627 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX015203.D
 Acq: 11 Mar 2020 16:10

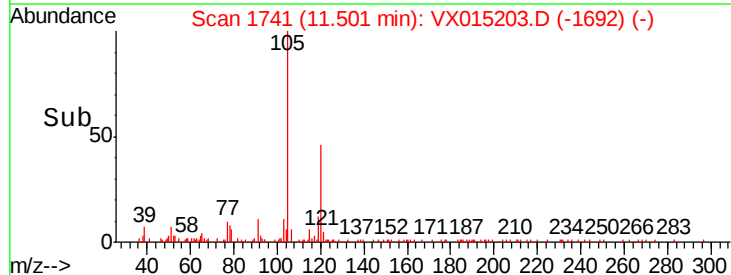
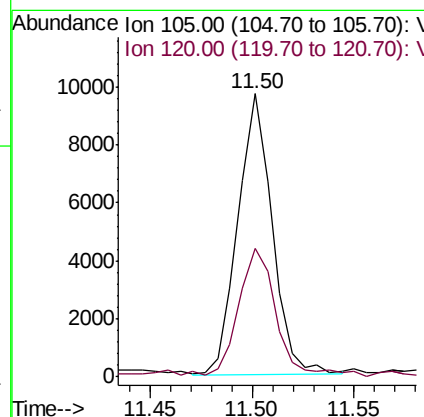
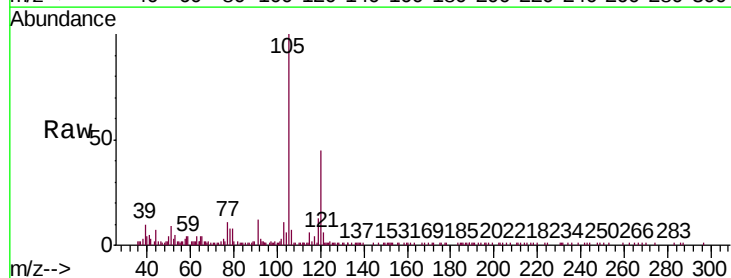
Instrument :
 MSVOA_X
 ClientSampleId :
 PB127431ZHE#12

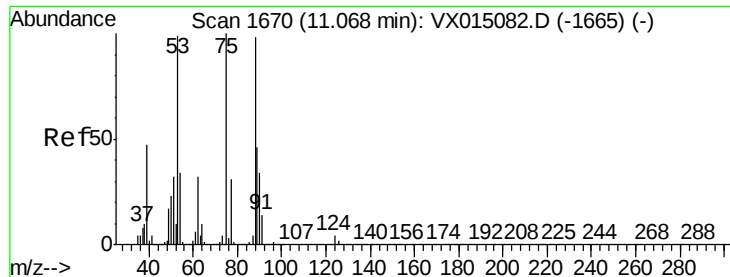
Tgt Ion: 75 Resp: 127505
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.6 67.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.790 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX015203.D
 Acq: 11 Mar 2020 16:10

Tgt Ion: 105 Resp: 11370
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 67.055 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015203.D

Acq: 11 Mar 2020 16:10

Instrument :

MSVOA_X

ClientSampleId :

PB127431ZHE#12

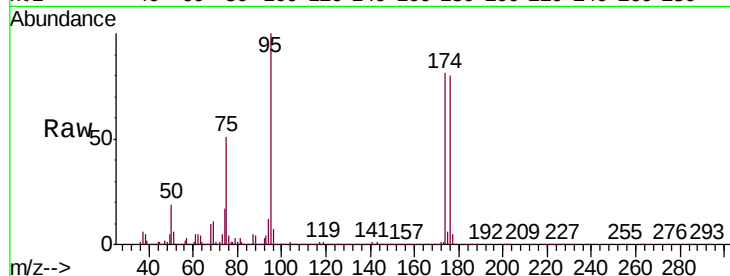
Tgt Ion: 75 Resp: 127505

Ion Ratio Lower Upper

75 100

53 0.1 77.9 116.9#

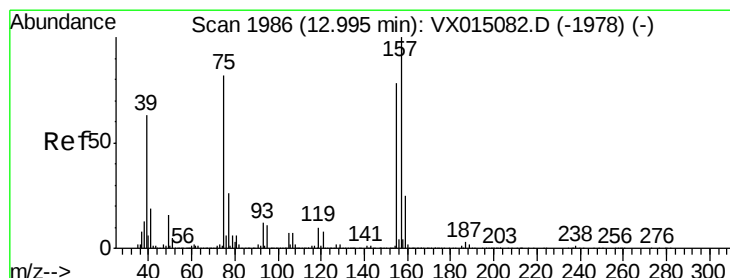
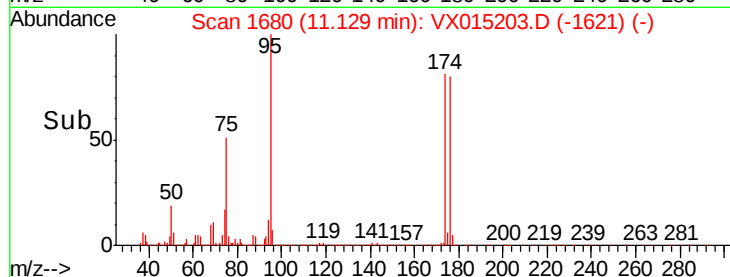
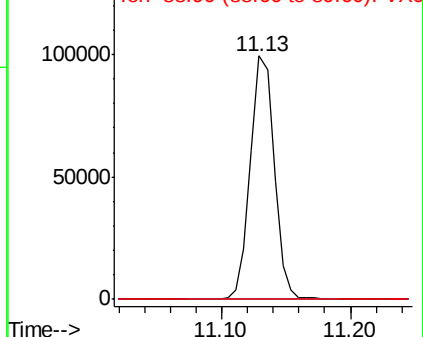
89 0.1 36.2 54.2#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.232 ug/l

RT: 12.82 min Scan# 1958

Delta R.T. -0.17 min

Lab File: VX015203.D

Acq: 11 Mar 2020 16:10

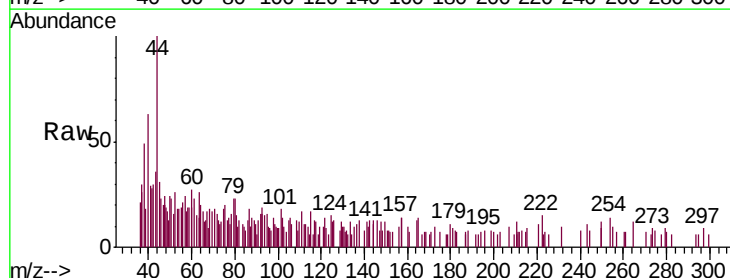
Tgt Ion: 75 Resp: 267

Ion Ratio Lower Upper

75 100

155 51.3 46.6 139.7

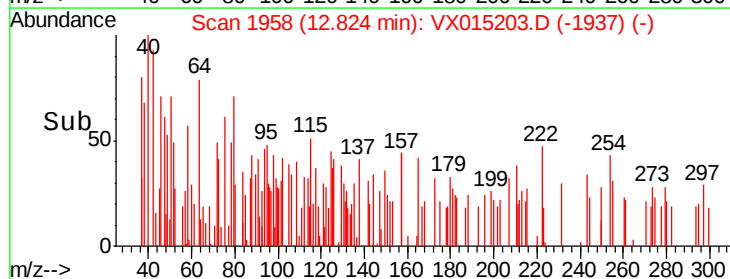
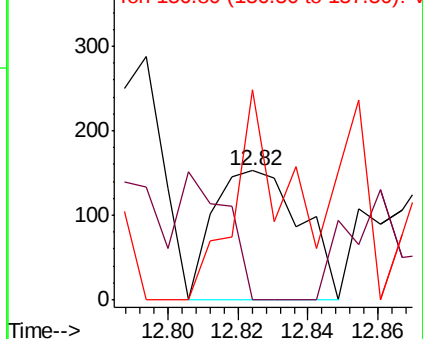
157 96.3 59.2 177.5

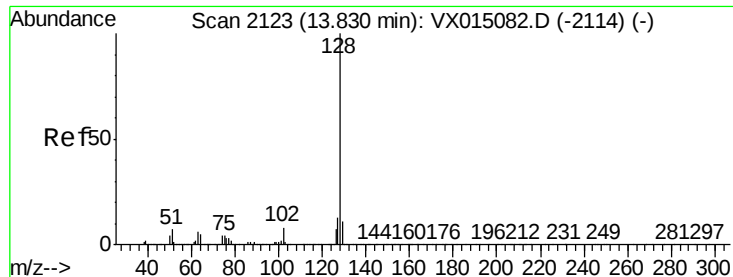


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 1.463 ug/l
RT: 13.82 min Scan# 2122
Delta R.T. -0.01 min
Lab File: VX015203.D
Acq: 11 Mar 2020 16:10

Instrument :
MSVOA_X
ClientSampleId :
PB127431ZHE#12

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	38.1	8.6	13.0#

