

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042220\
 Data File : VX015861.D
 Acq On : 23 Apr 2020 00:11
 Operator : JC/SP
 Sample : L2380-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW020-200421

Quant Time: Apr 23 04:59:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	874974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1361095	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1339625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	741330	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	491624	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
35) Dibromofluoromethane	5.47	113	394215	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
50) Toluene-d8	8.70	98	1613155	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
62) 4-Bromofluorobenzene	11.12	95	689190	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	3316	0.432	ug/l #	72
6) Chloroethane	1.72	64	1191	0.235	ug/l #	42
10) Methyl Iodide	2.50	142	2604	0.282	ug/l #	71
11) Tert butyl alcohol	3.01	59	17056	8.388	ug/l #	73
13) Acrolein	2.28	56	759	0.631	ug/l #	15
14) Allyl chloride	2.83	41	87300	5.361	ug/l #	63
15) Acrylonitrile	3.15	53	18891	4.003	ug/l #	31
16) Acetone	2.42	43	14202	3.278	ug/l	91
17) Carbon Disulfide	2.56	76	22250	0.799	ug/l #	94
18) Methyl Acetate	2.83	43	224658	15.705	ug/l #	54
19) Methyl tert-butyl Ether	3.17	73	246192	9.100	ug/l #	1
25) 2-Butanone	4.64	43	5342	0.780	ug/l #	80
30) Chloroform	5.24	83	49660	3.226	ug/l #	60
31) Cyclohexane	5.56	56	435272	29.937	ug/l	96
36) 1,1-Dichloropropene	5.64	75	58554	4.853	ug/l #	52
37) Ethyl Acetate	4.64	43	5342	0.372	ug/l	99
38) Carbon Tetrachloride	5.64	117	76716	6.455	ug/l #	16
39) Methylcyclohexane	7.44	83	867126	56.748	ug/l #	86
40) Benzene	6.12	78	82982	2.283	ug/l	99
41) Methacrylonitrile	4.99	41	3042	0.381	ug/l #	32
43) Isopropyl Acetate	6.44	43	58781	2.427	ug/l #	64
45) 1,2-Dichloropropane	7.43	63	12169	1.278	ug/l #	1
46) Dibromomethane	7.61	93	5816	0.837	ug/l #	1
47) Bromodichloromethane	7.83	83	27261	2.204	ug/l #	59
48) Methyl methacrylate	7.72	41	110619	9.284	ug/l #	49
49) 1,4-Dioxane	7.72	88	911	4.045	ug/l #	31
51) 4-Methyl-2-Pentanone	8.66	43	99985	7.151	ug/l #	63
52) Toluene	8.77	92	42395	1.820	ug/l	93
55) 1,1,2-Trichloroethane	9.15	97	289335	31.809	ug/l #	18
56) Ethyl methacrylate	9.15	69	76142	4.942	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.25	63	2425	0.315	ug/l #	85
59) 2-Hexanone	9.60	43	14700	1.380	ug/l	70
67) Ethyl Benzene	10.24	91	288112	6.125	ug/l	98
68) m/p-Xylenes	10.34	106	69166	3.917	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

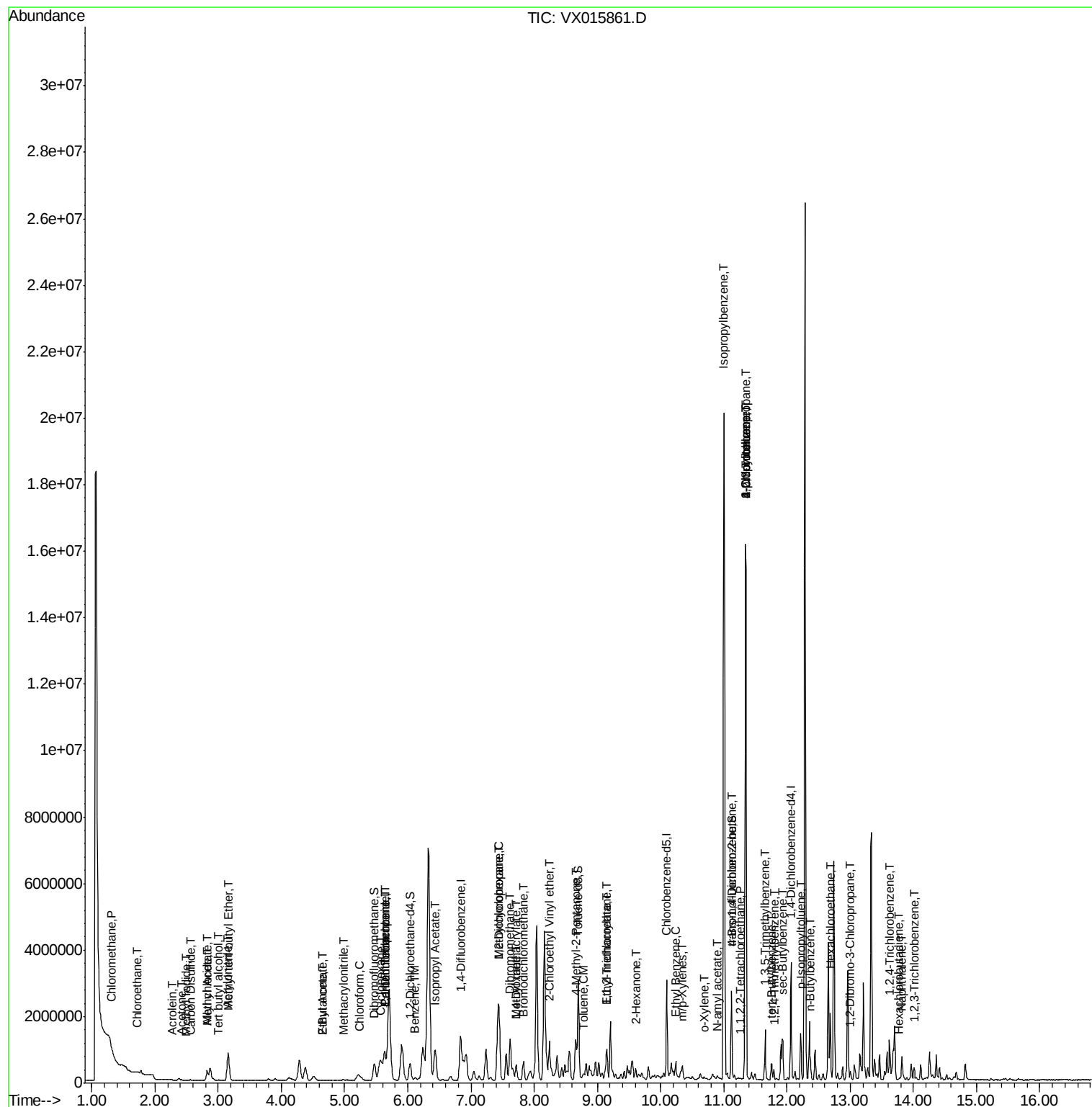
69) o-Xylene	10.68	106	12882	0.741	ug/l	96
73) Isopropylbenzene	11.00	105	10486136	222.722	ug/l	94
74) N-amyl acetate	10.89	43	8947	0.368	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	11.26	83	2551	0.256	ug/l #	28
76) 1,2,3-Trichloropropane	11.35	75	66057	4.686	ug/l #	1
78) n-propylbenzene	11.34	91	10089758	187.074	ug/l	97
79) 2-Chlorotoluene	11.34	91	10089758	311.436	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.65	105	705977	17.585	ug/l	73
81) trans-1,4-Dichloro-2-buten	11.12	75	330583	56.411	ug/l #	12
82) 4-Chlorotoluene	11.34	91	10089758	262.085	ug/l #	45
83) tert-Butylbenzene	11.76	119	201518	5.659	ug/l	95
84) 1,2,4-Trimethylbenzene	11.79	105	136970	3.286	ug/l	100
85) sec-Butylbenzene	11.93	105	677370	14.430	ug/l	92
86) p-Isopropyltoluene	12.22	119	659608	15.027	ug/l	98
89) n-Butylbenzene	12.37	91	346422	8.827	ug/l #	51
90) Hexachloroethane	12.68	117	668240	144.106	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1744	0.590	ug/l #	2
93) 1,2,4-Trichlorobenzene	13.63	180	5370	0.304	ug/l #	1
94) Hexachlorobutadiene	13.77	225	3293	0.416	ug/l	95
95) Naphthalene	13.82	128	431198	8.493	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.01	180	4615	0.268	ug/l #	1

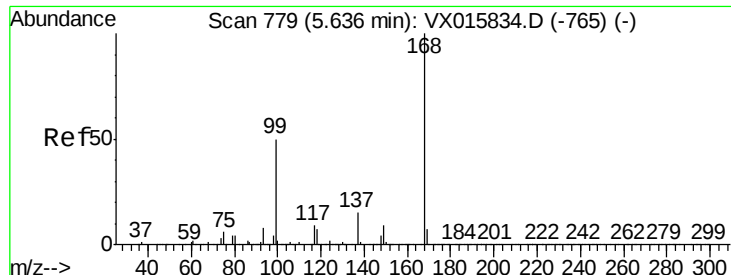
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.00 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

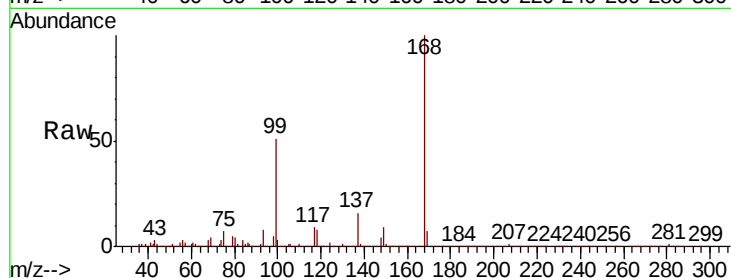
KY001MW020-200421

Tot Ion:168 Resp: 874974

Ion Ratio Lower Upper

168 100

99 50.9 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

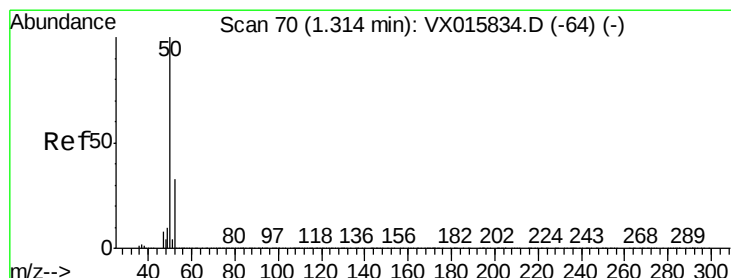
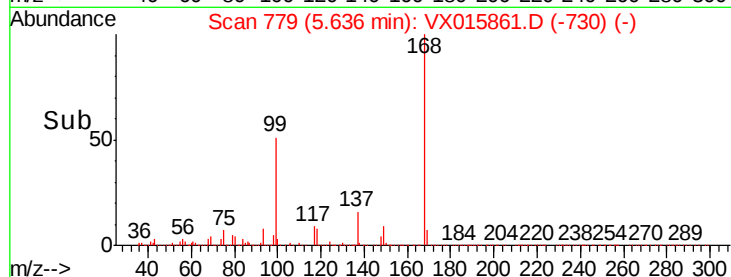
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.432 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015861.D

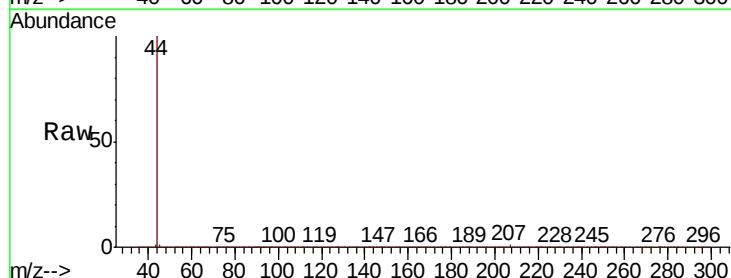
Acq: 23 Apr 2020 00:11

Tgt Ion: 50 Resp: 3316

Ion Ratio Lower Upper

50 100

52 17.3 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

4000

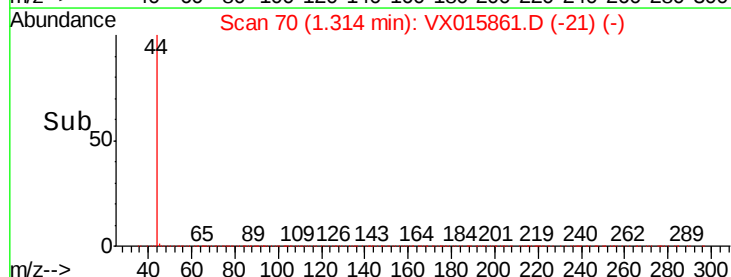
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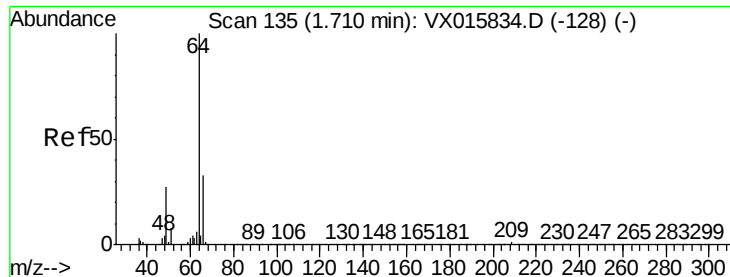
2000

1000

0

Time-->





#6

Chloroethane

Concen: 0.235 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

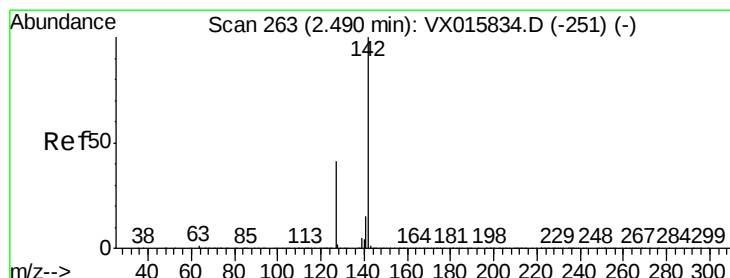
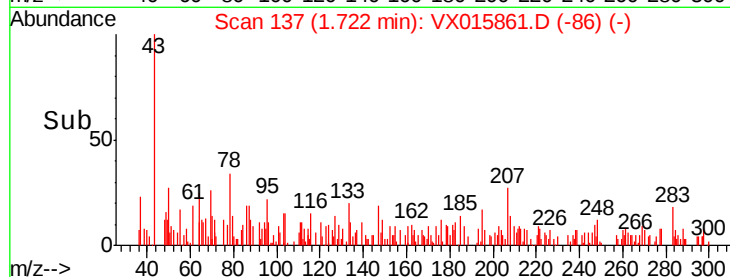
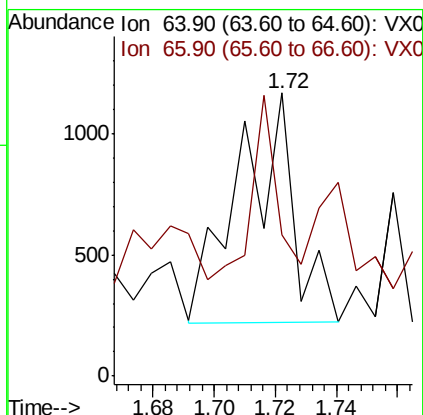
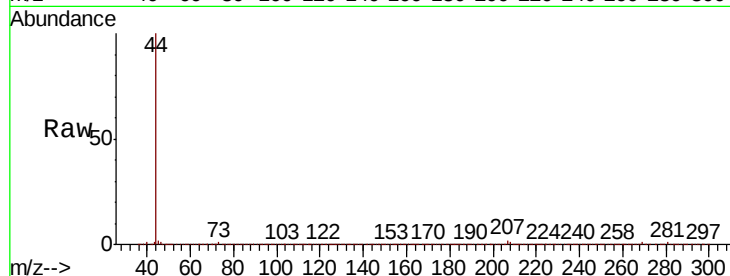
KY001MW020-200421

Tot Ion: 64 Resp: 1191

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.2#



#10

Methyl Iodide

Concen: 0.282 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

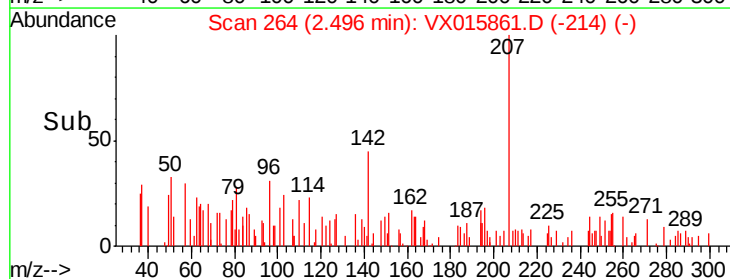
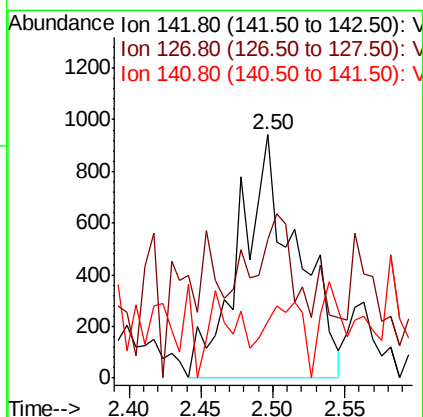
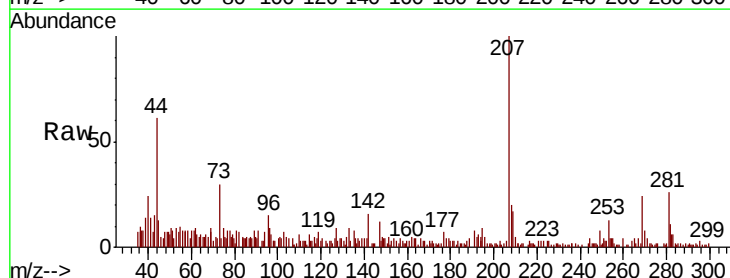
Tgt Ion: 142 Resp: 2604

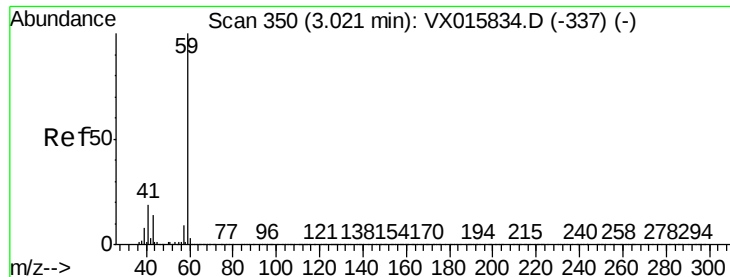
Ion Ratio Lower Upper

142 100

127 19.8 33.3 49.9#

141 20.5 11.8 17.6#



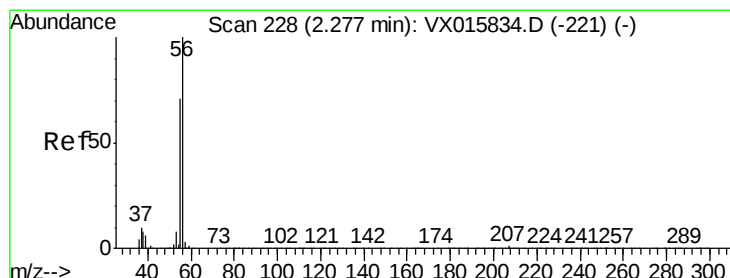
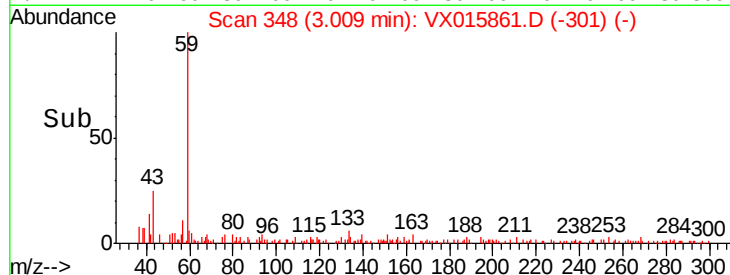
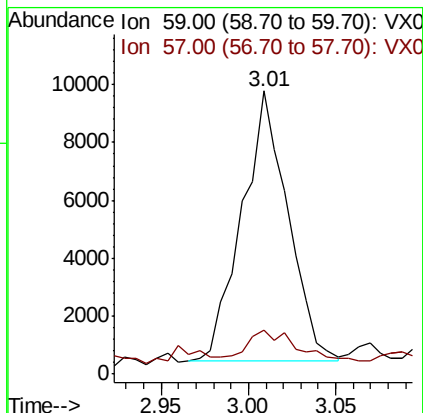
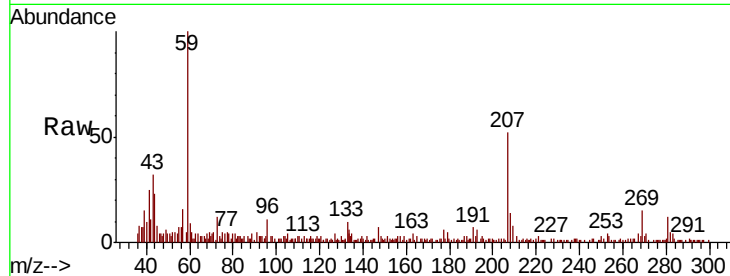


#11

Tert butyl alcohol
 Concen: 8.388 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.01 min
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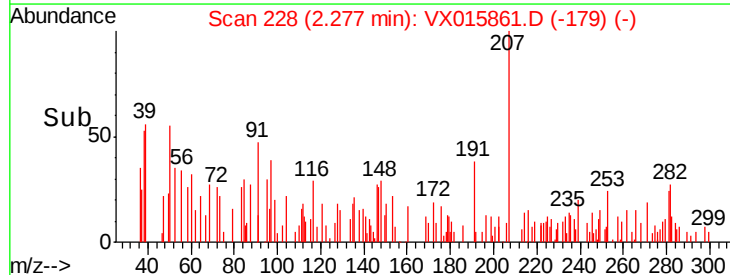
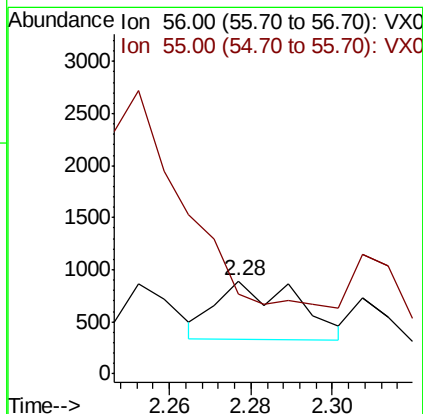
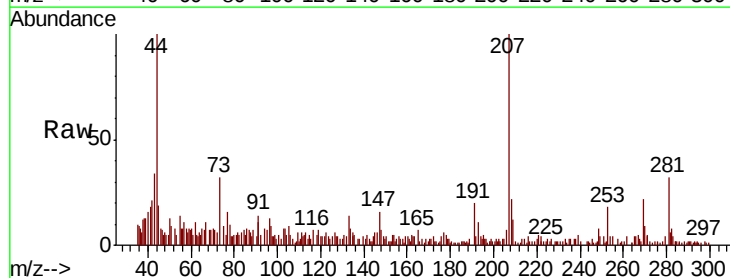
Tot Ion: 59 Resp: 17056
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

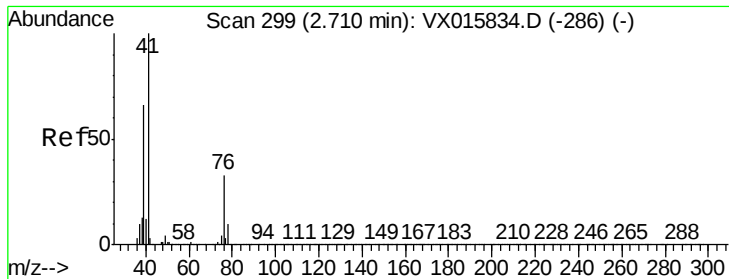


#13

Acrolein
 Concen: 0.631 ug/l
 RT: 2.28 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VX015861.D
 Acq: 23 Apr 2020 00:11

Tgt Ion: 56 Resp: 759
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.1 84.1#

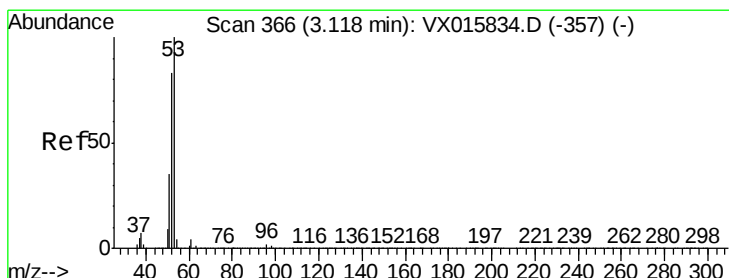
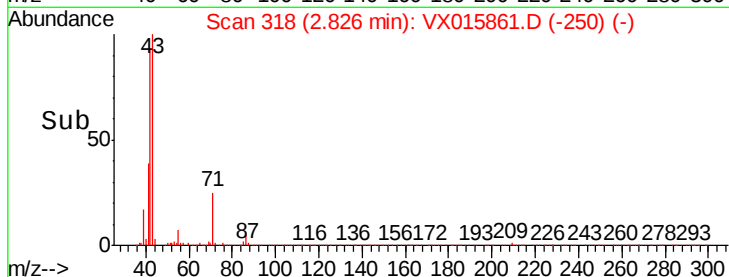
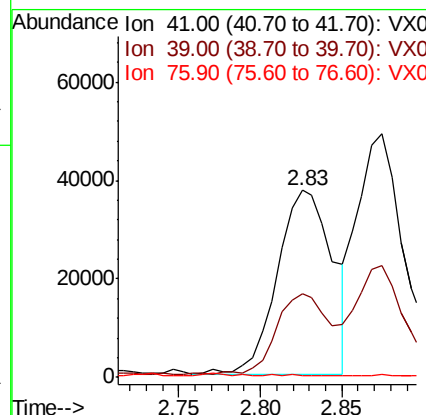
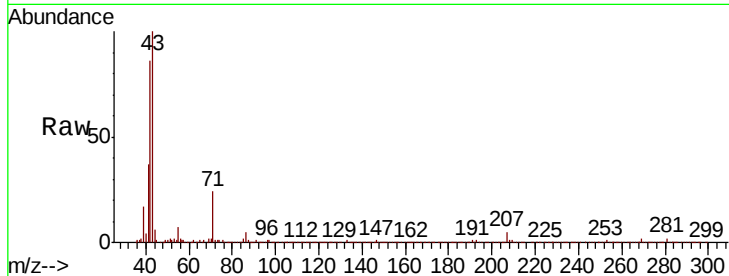




#14
Allvl chloride
Concen: 5.361 ug/l
RT: 2.83 min Scan# 318
Delta R.T. 0.12 min
Lab File: VX015861.D
Acq: 23 Apr 2020 00:11

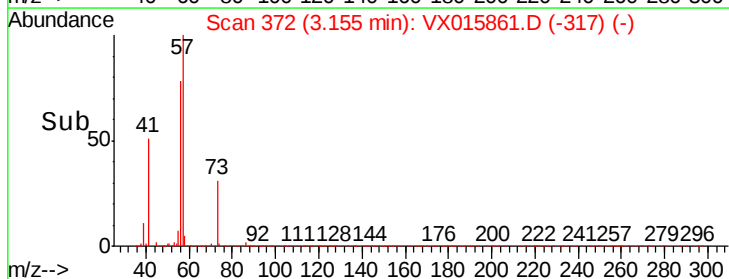
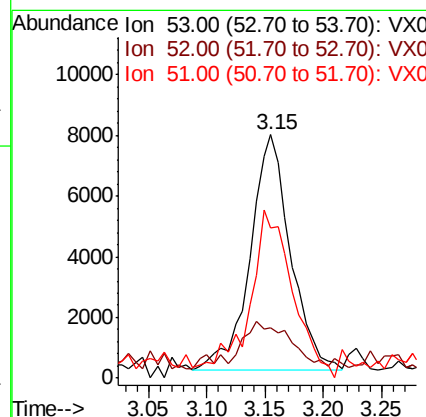
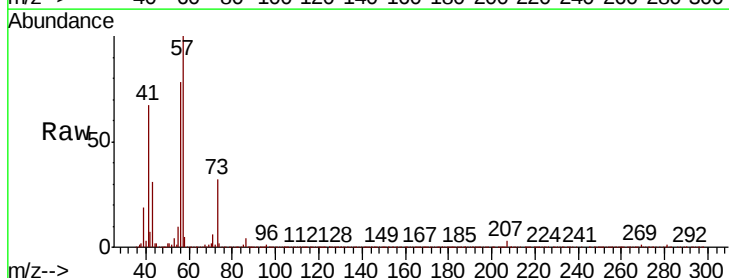
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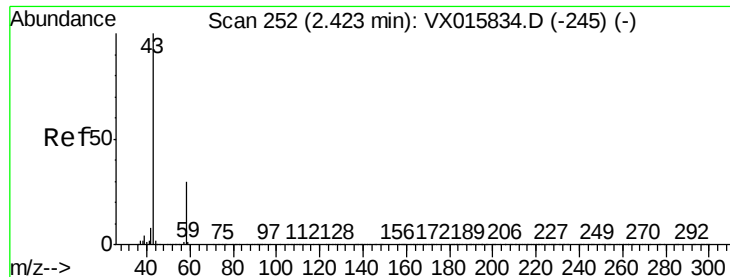
Tot Ion: 41 Resp: 87300
Ion Ratio Lower Upper
41 100
39 39.3 48.4 72.6#
76 0.0 23.8 35.8#



#15
Acrylonitrile
Concen: 4.003 ug/l
RT: 3.15 min Scan# 372
Delta R.T. 0.04 min
Lab File: VX015861.D
Acq: 23 Apr 2020 00:11

Tgt Ion: 53 Resp: 18891
Ion Ratio Lower Upper
53 100
52 20.9 66.2 99.4#
51 76.3 28.6 43.0#

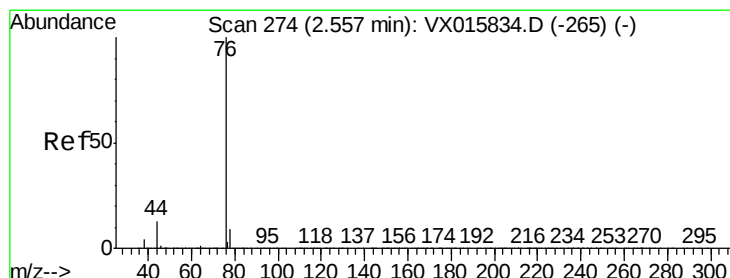
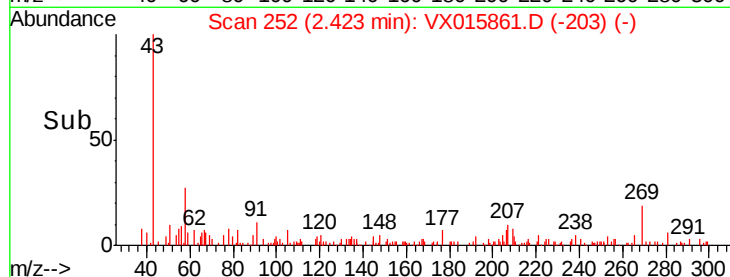
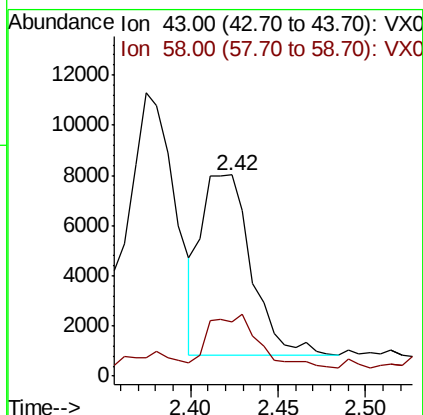
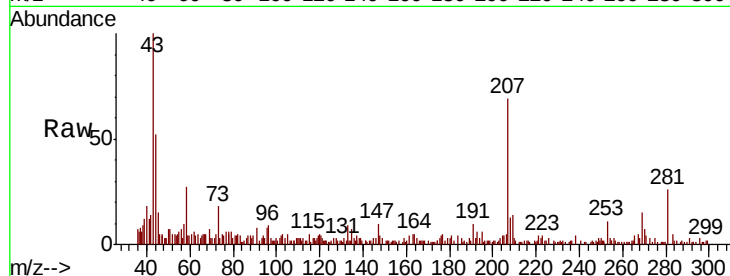




#16
Acetone
Concen: 3.278 ug/l
RT: 2.42 min Scan# 252
Delta R.T. -0.00 min
Lab File: VX015861.D
Acq: 23 Apr 2020 00:11

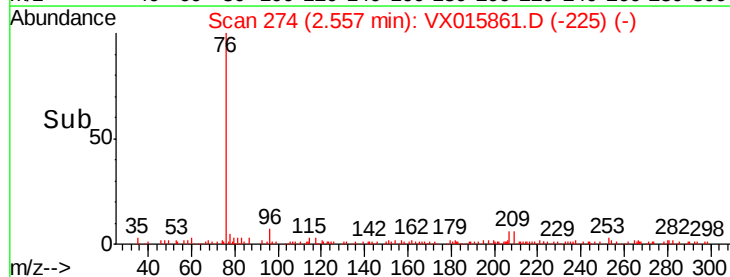
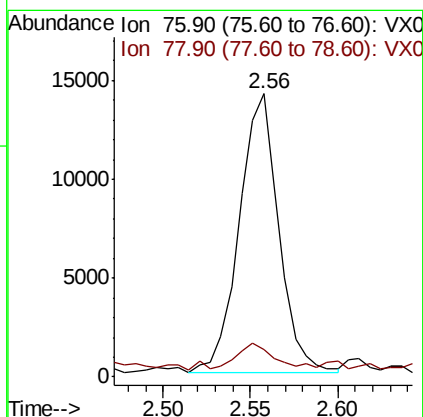
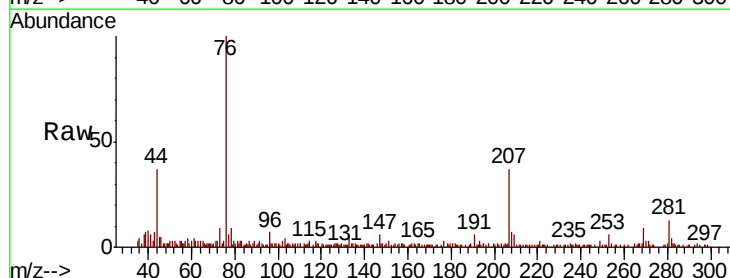
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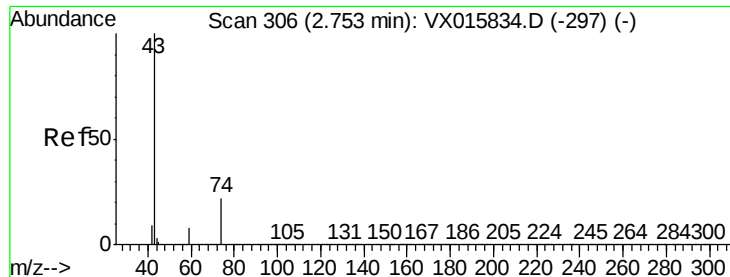
Tot Ion: 43 Resp: 14202
Ion Ratio Lower Upper
43 100
58 25.3 24.0 36.0



#17
Carbon Disulfide
Concen: 0.799 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX015861.D
Acq: 23 Apr 2020 00:11

Tgt Ion: 76 Resp: 22250
Ion Ratio Lower Upper
76 100
78 7.2 7.4 11.2#

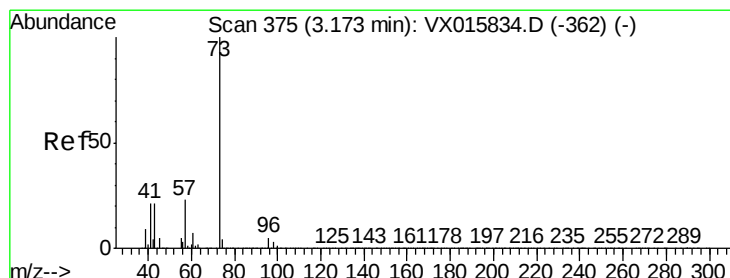
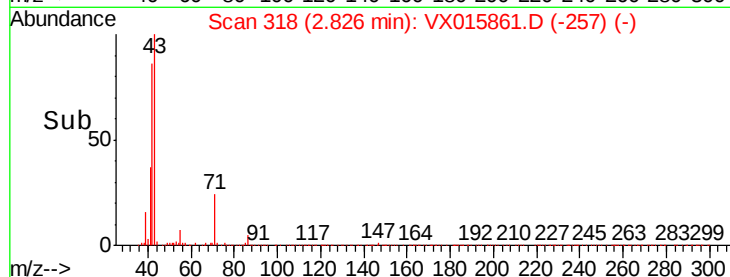
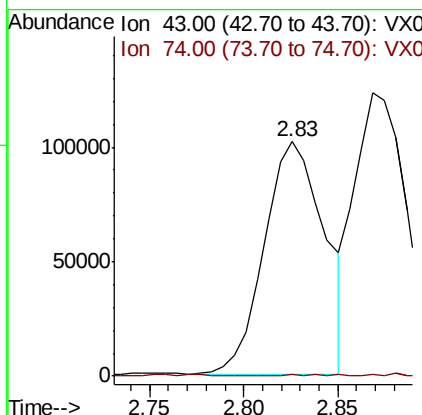
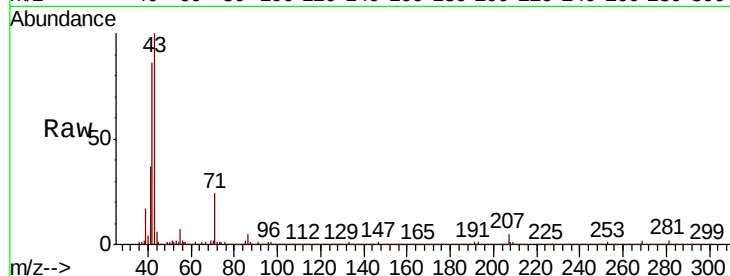




#18
Methyl Acetate
Concen: 15.705 ug/l
RT: 2.83 min Scan# 318
Delta R.T. 0.07 min
Lab File: VX015861.D
Acq: 23 Apr 2020 00:11

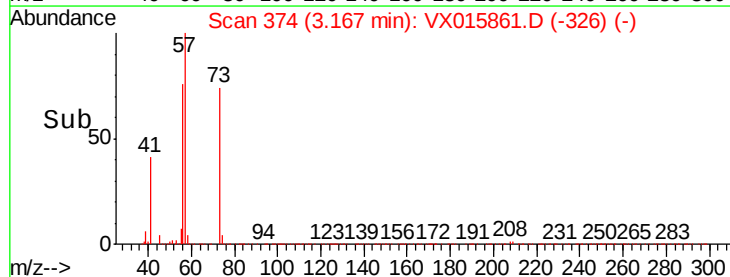
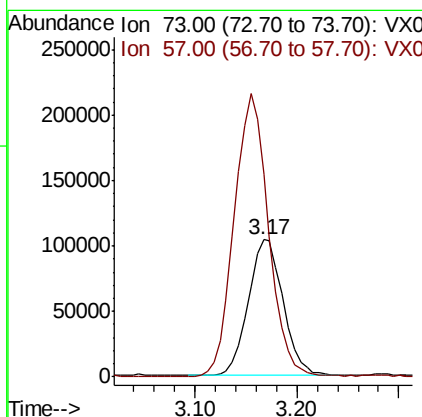
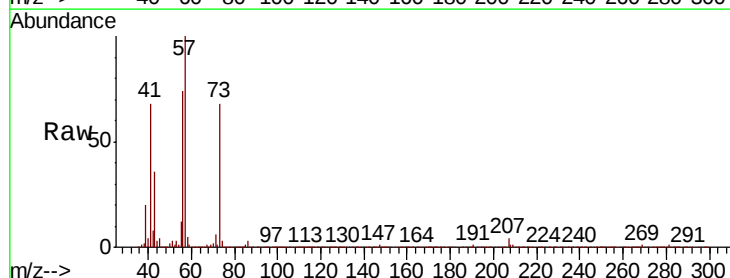
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ClientSampleId :
KY001MW020-200421

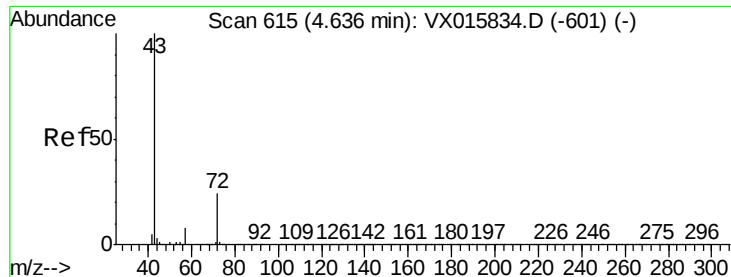
Tot Ion: 43 Resp: 224658
Ion Ratio Lower Upper
43 100
74 0.5 17.9 26.9#



#19
Methyl tert-butyl Ether
Concen: 9.100 ug/l
RT: 3.17 min Scan# 374
Delta R.T. -0.01 min
Lab File: VX015861.D
Acq: 23 Apr 2020 00:11

Tgt Ion: 73 Resp: 246192
Ion Ratio Lower Upper
73 100
57 148.7 18.1 27.1#

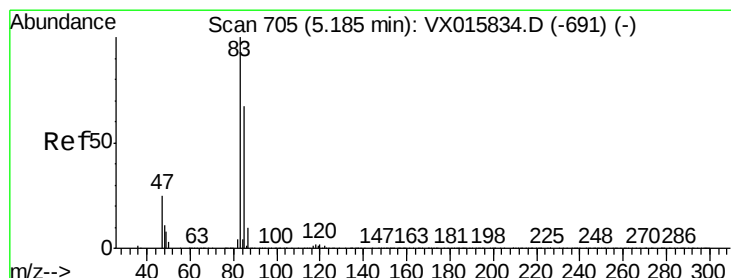
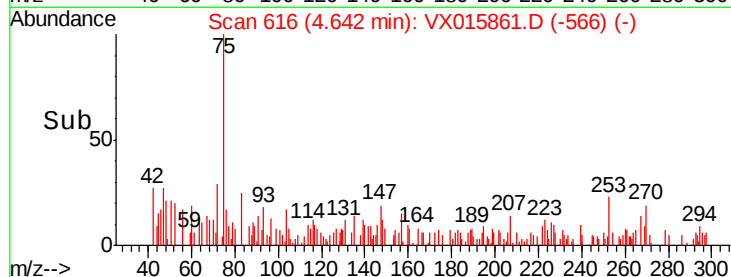
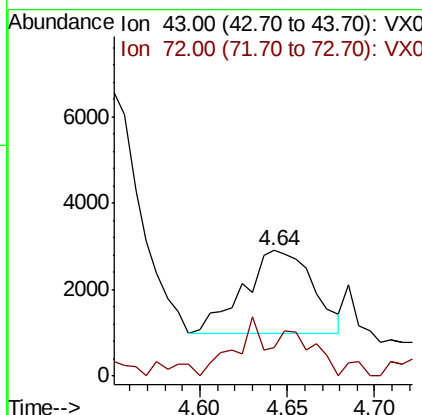
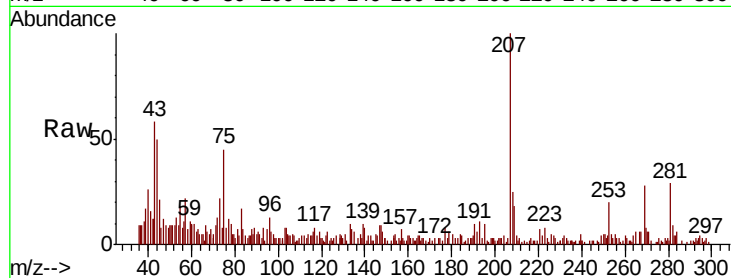




#25
2-Butanone
Concen: 0.780 ug/l
RT: 4.64 min Scan# 616
Delta R.T. 0.01 min
Lab File: VX015861.D
Acq: 23 Apr 2020 00:11

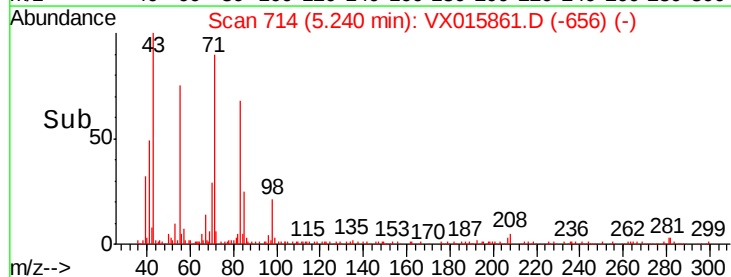
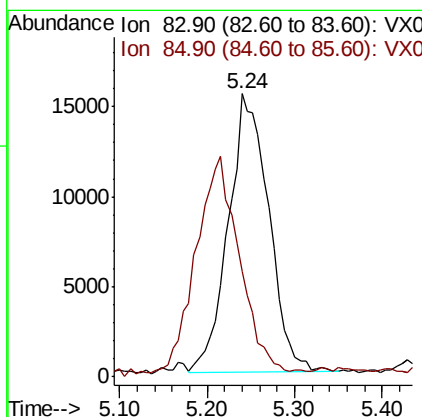
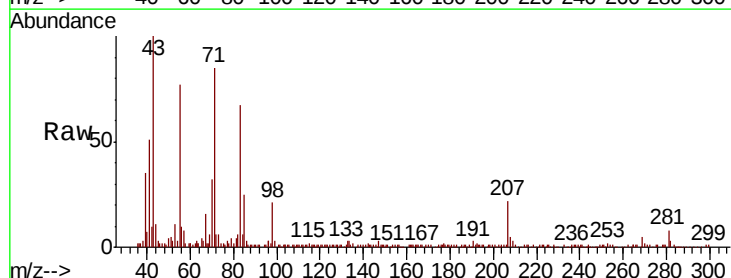
Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-200421

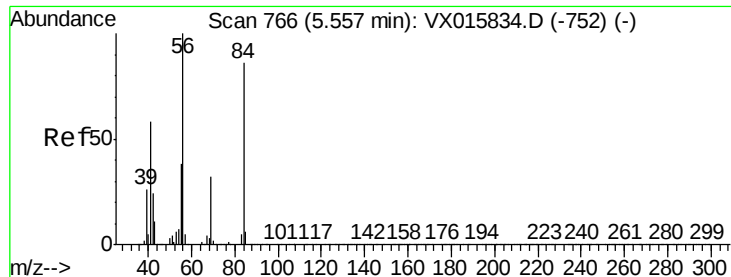
Tot Ion: 43 Resp: 5342
Ion Ratio Lower Upper
43 100
72 34.4 19.4 29.2#



#30
Chloroform
Concen: 3.226 ug/l
RT: 5.24 min Scan# 714
Delta R.T. 0.05 min
Lab File: VX015861.D
Acq: 23 Apr 2020 00:11

Tgt Ion: 83 Resp: 49660
Ion Ratio Lower Upper
83 100
85 34.4 53.4 80.0#





#31

Cyclohexane

Concen: 29.937 ug/l

RT: 5.56 min Scan# 766

Delta R.T. -0.00 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-200421

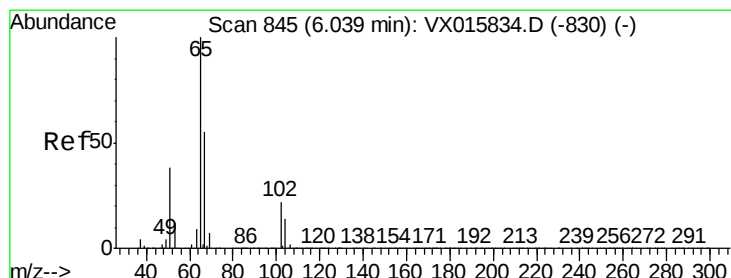
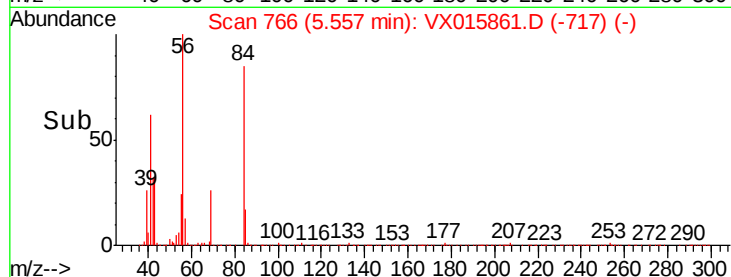
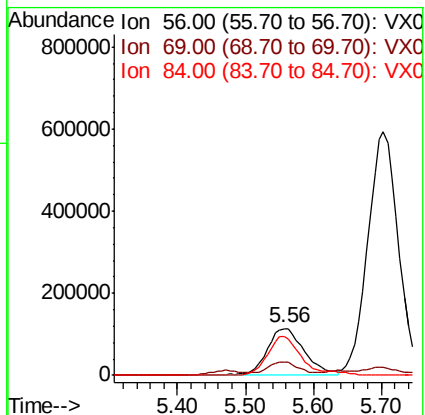
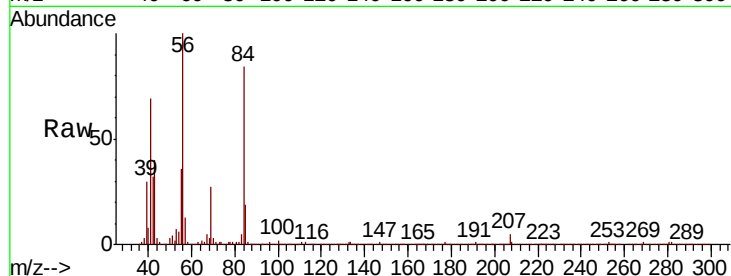
Tot Ion: 56 Resp: 435272

Ion Ratio Lower Upper

56 100

69 26.8 25.3 37.9

84 84.1 69.1 103.7



#33

1,2-Dichloroethane-d4

Concen: 49.402 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.01 min

Lab File: VX015861.D

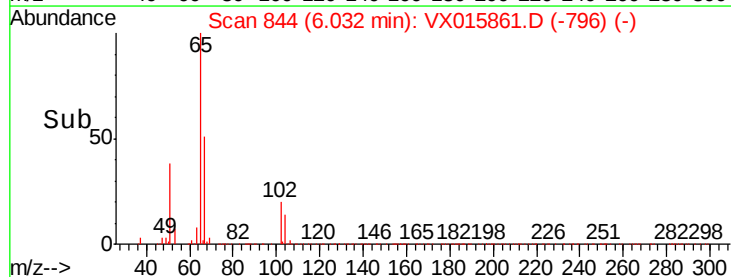
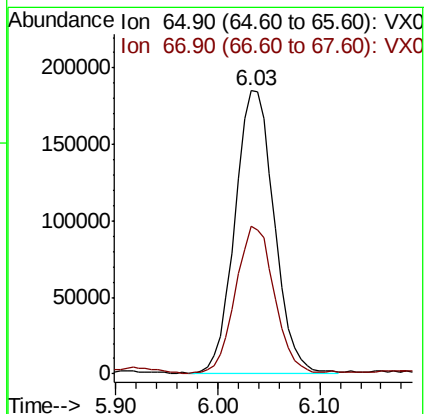
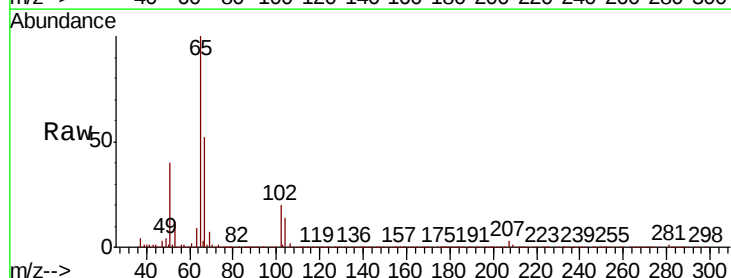
Acq: 23 Apr 2020 00:11

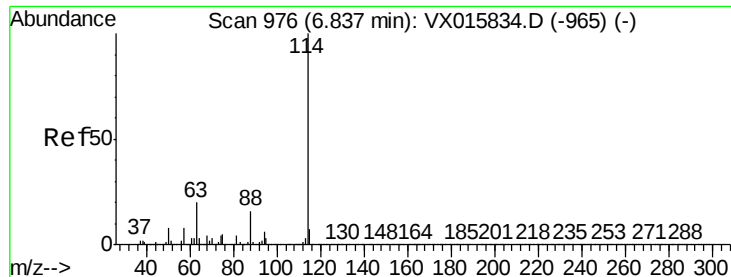
Tgt Ion: 65 Resp: 491624

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. -0.00 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-200421

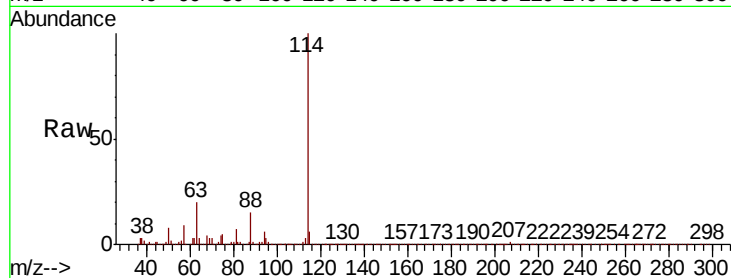
Tot Ion:114 Resp: 1361095

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.6

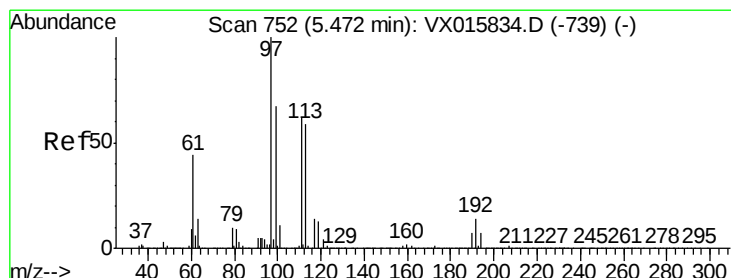
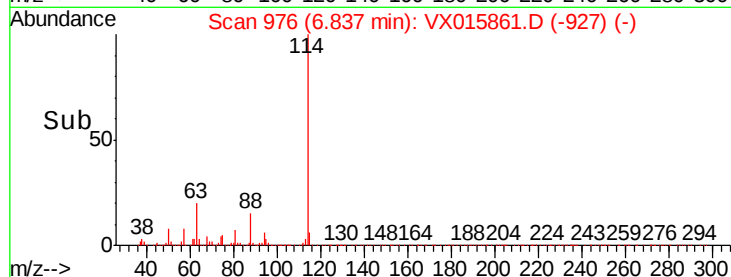
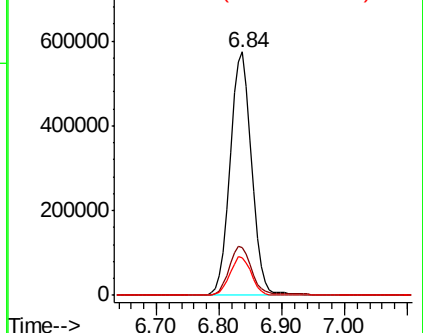
88 15.4 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 50.176 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

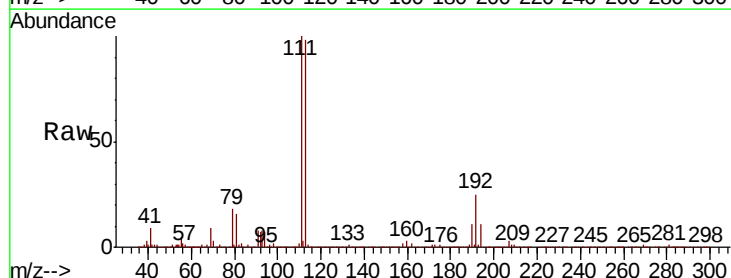
Tgt Ion:113 Resp: 394215

Ion Ratio Lower Upper

113 100

111 103.3 82.7 124.1

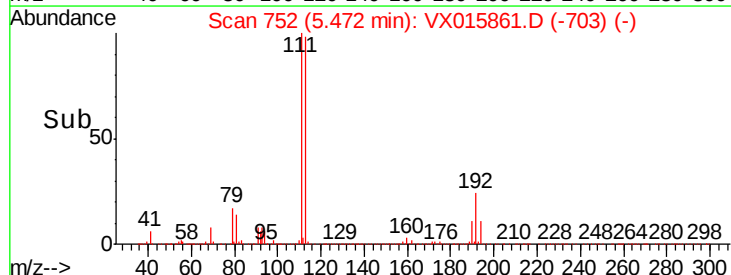
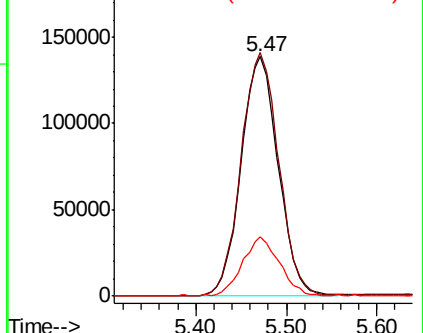
192 24.6 19.3 28.9

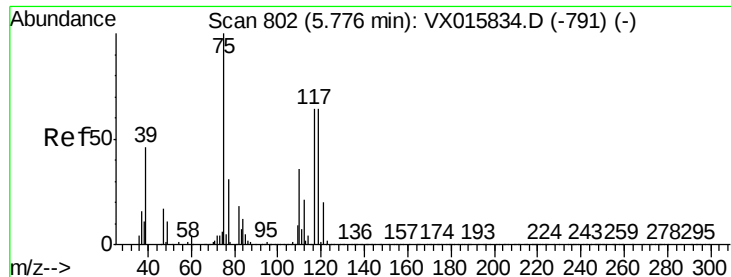


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.853 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.14 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-200421

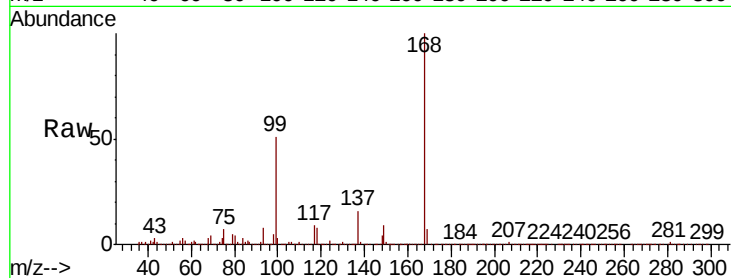
Tot Ion: 75 Resp: 58554

Ion Ratio Lower Upper

75 100

110 10.9 17.9 53.8#

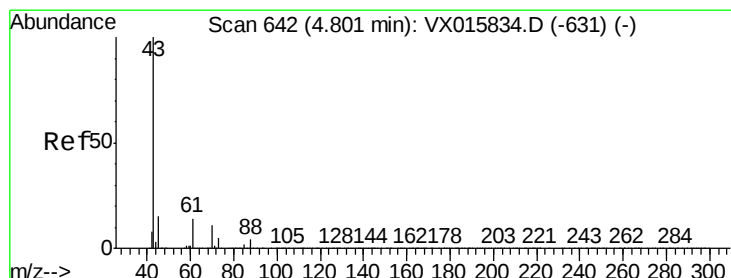
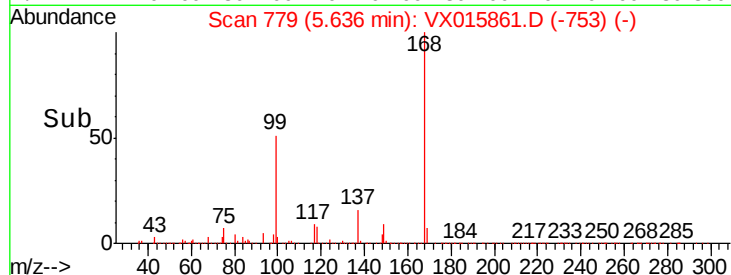
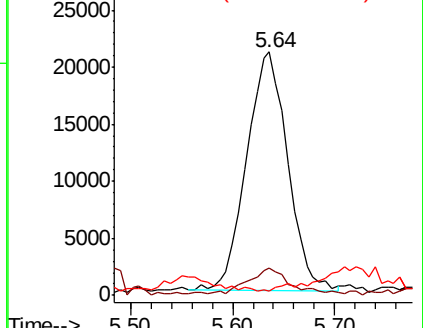
77 0.9 24.5 36.7#



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



#37

Ethyl Acetate

Concen: 0.372 ug/l

RT: 4.64 min Scan# 616

Delta R.T. -0.16 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

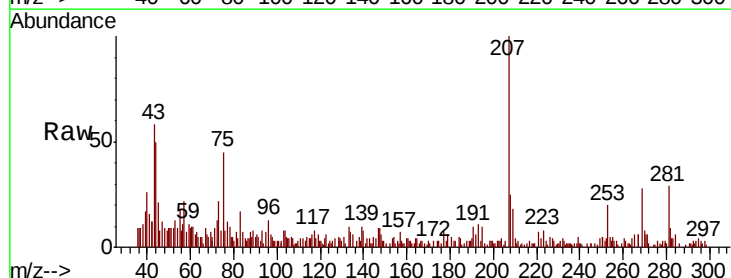
Tgt Ion: 43 Resp: 5342

Ion Ratio Lower Upper

43 100

61 13.4 10.8 16.2

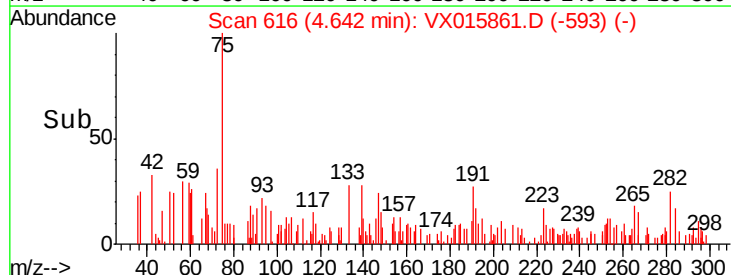
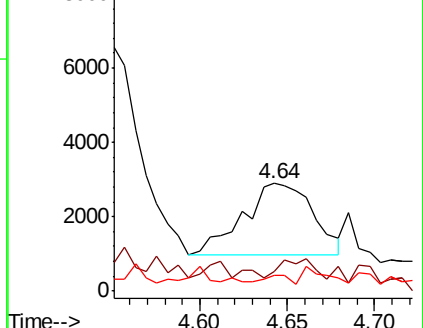
70 10.6 8.2 12.2

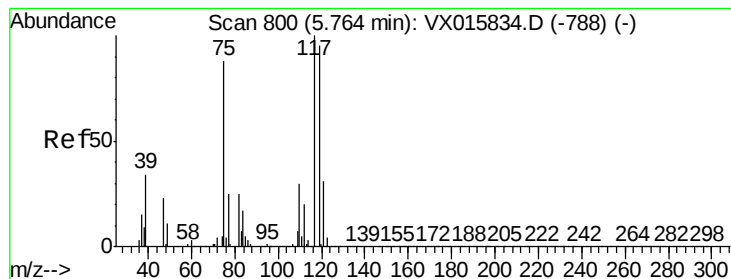


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.455 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-200421

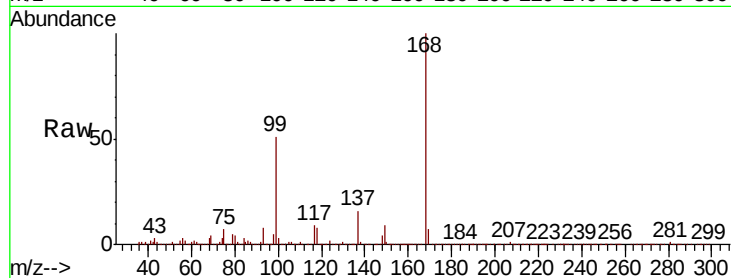
Tot Ion:117 Resp: 76716

Ion Ratio Lower Upper

117 100

119 4.1 75.7 113.5#

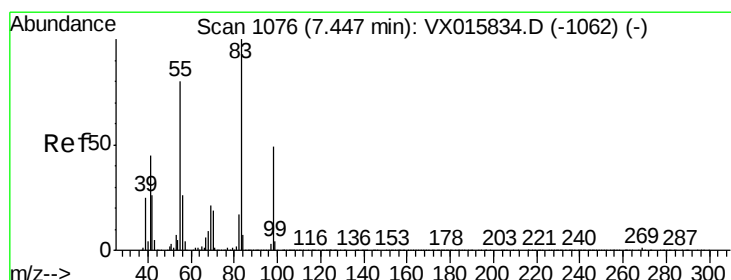
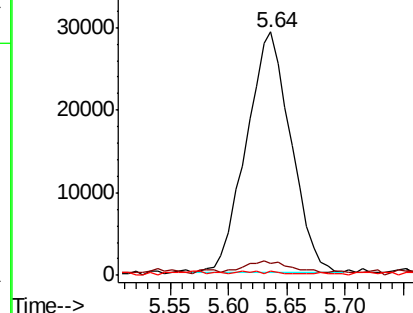
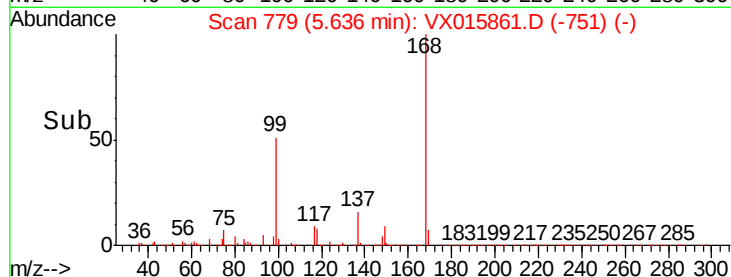
121 1.3 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 56.748 ug/l

RT: 7.44 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

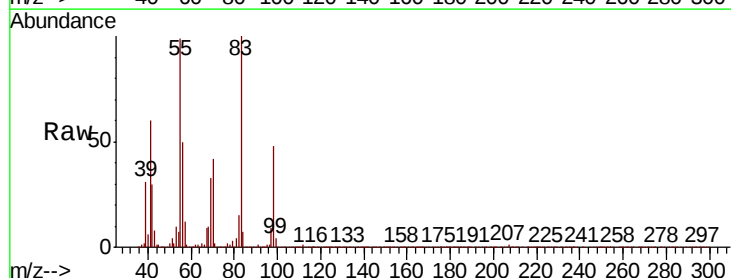
Tgt Ion: 83 Resp: 867126

Ion Ratio Lower Upper

83 100

55 99.0 64.2 96.4#

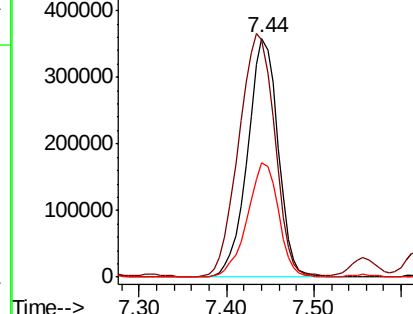
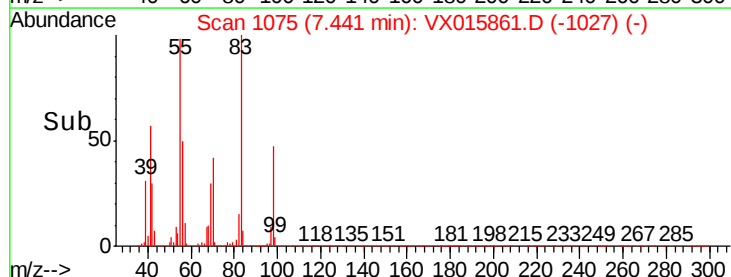
98 48.1 39.3 58.9

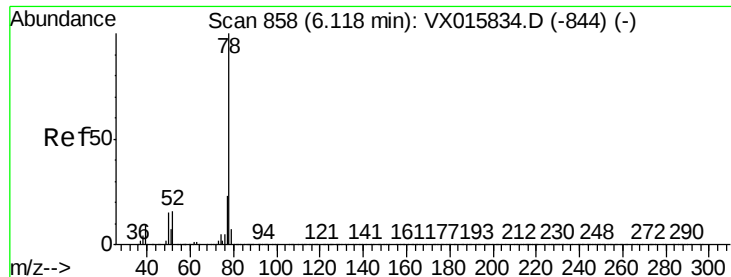


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 2.283 ug/l

RT: 6.12 min Scan# 858

Delta R.T. -0.00 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

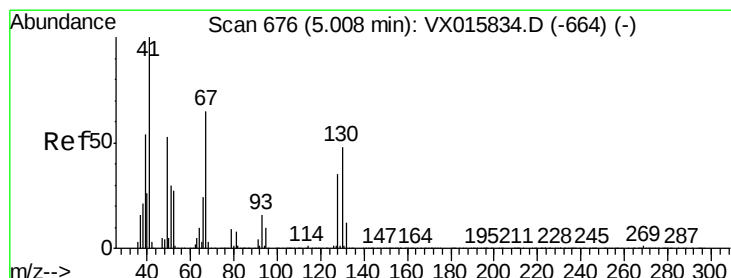
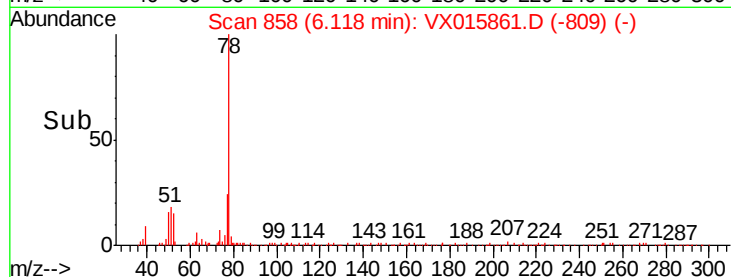
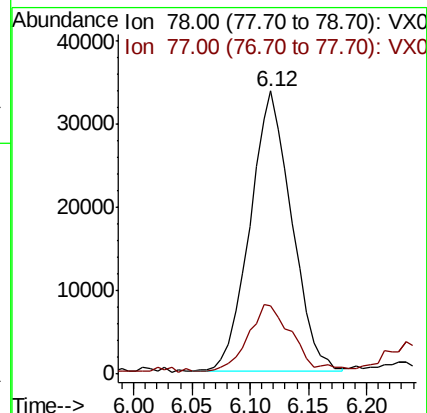
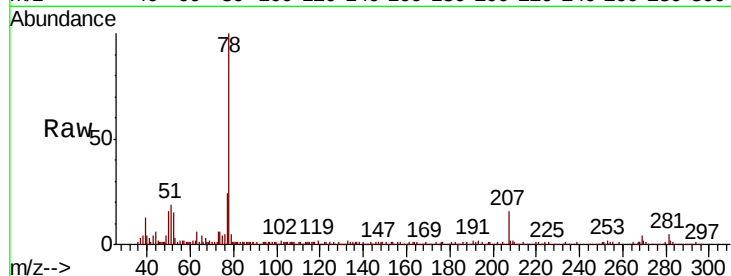
KY001MW020-200421

Tot Ion: 78 Resp: 82982

Ion Ratio Lower Upper

78 100

77 23.5 18.6 27.8



#41

Methacrylonitrile

Concen: 0.381 ug/l

RT: 4.99 min Scan# 673

Delta R.T. -0.02 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

Tgt Ion: 41 Resp: 3042

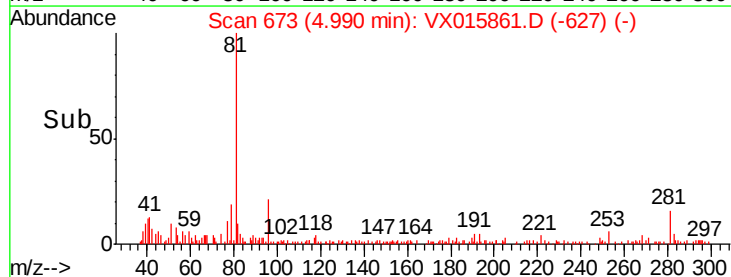
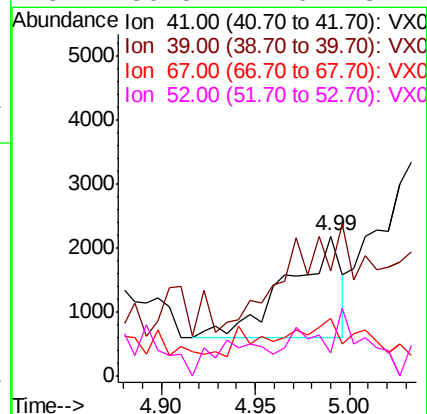
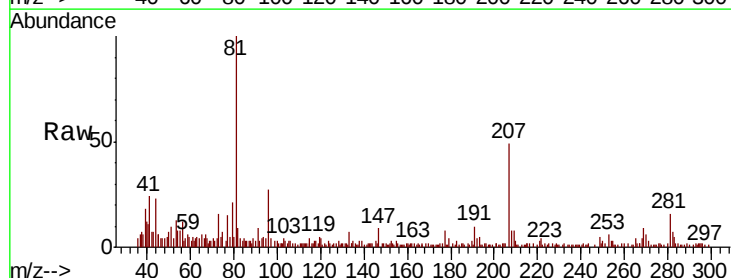
Ion Ratio Lower Upper

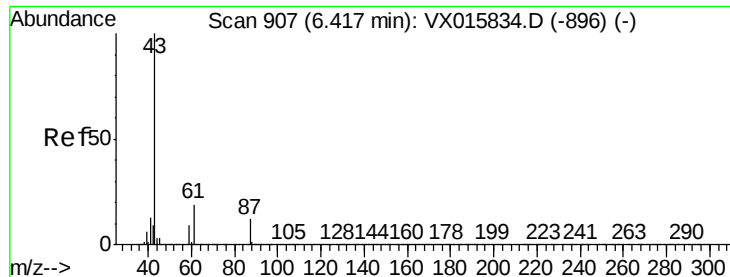
41 100

39 0.0 42.4 63.6#

67 0.0 51.9 77.9#

52 36.3 21.0 31.4#



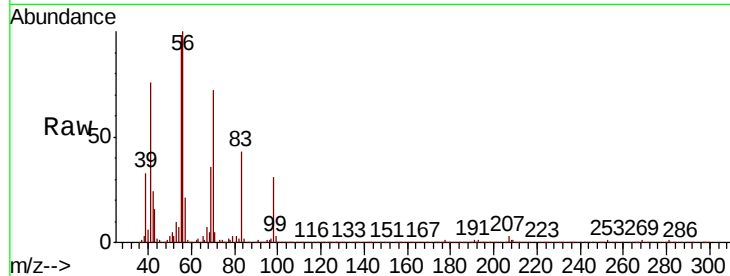


#43

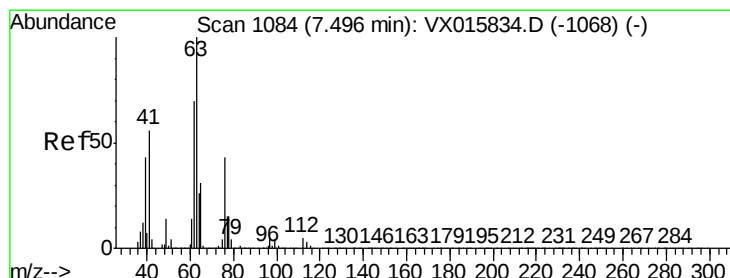
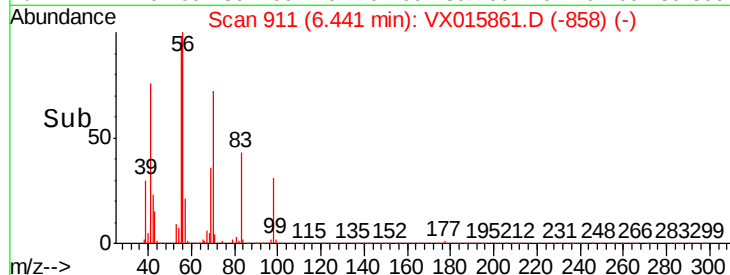
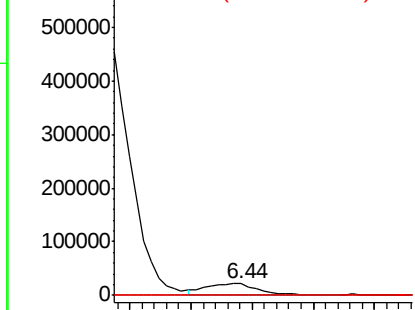
Isopropyl Acetate
 Concen: 2.427 ug/l
 RT: 6.44 min Scan# 911
 Delta R.T. 0.02 min
 Lab File: VX015861.D
 Acq: 23 Apr 2020 00:11

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW020-200421

Tot Ion: 43 Resp: 58781
 Ion Ratio Lower Upper
 43 100
 61 1.2 15.4 23.2#
 87 0.4 9.8 14.6#



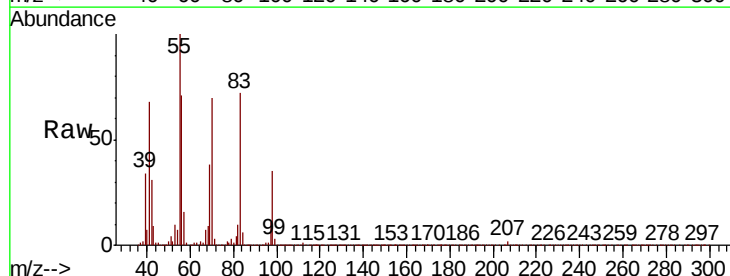
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



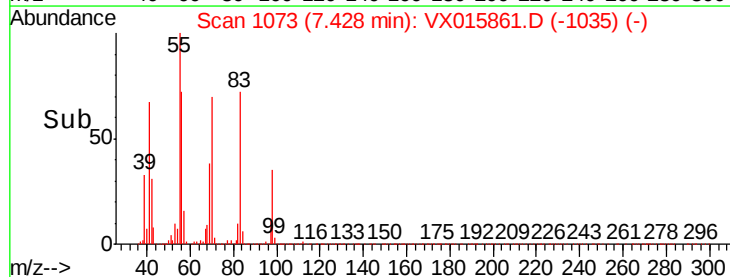
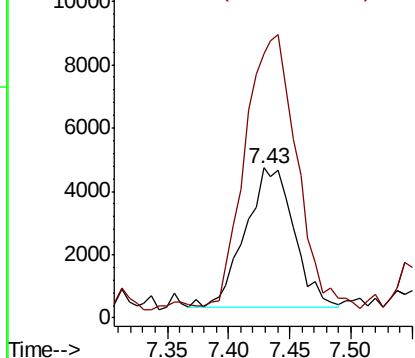
#45

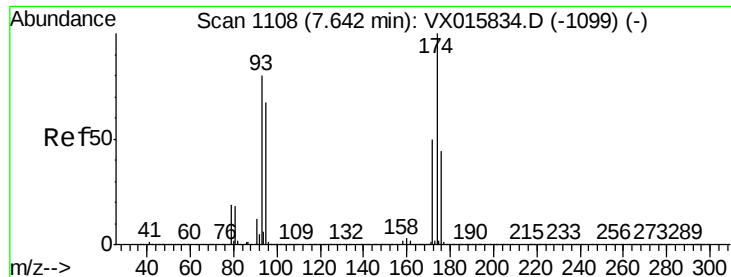
1,2-Dichloropropane
 Concen: 1.278 ug/l
 RT: 7.43 min Scan# 1073
 Delta R.T. -0.07 min
 Lab File: VX015861.D
 Acq: 23 Apr 2020 00:11

Tgt Ion: 63 Resp: 12169
 Ion Ratio Lower Upper
 63 100
 65 180.5 24.5 36.7#



Abundance Ion 62.90 (62.60 to 63.60): VX0
 Ion 64.90 (64.60 to 65.60): VX0





#46

Dibromomethane

Concen: 0.837 ug/l

RT: 7.61 min Scan# 1103

Delta R.T. -0.03 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-200421

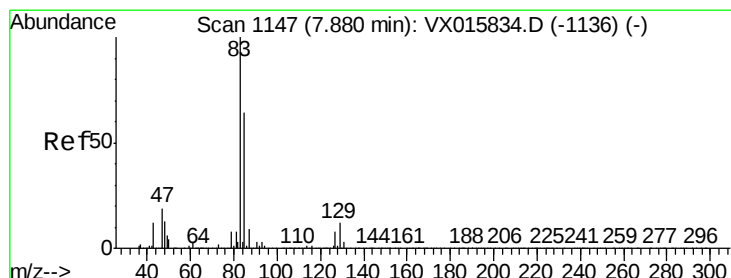
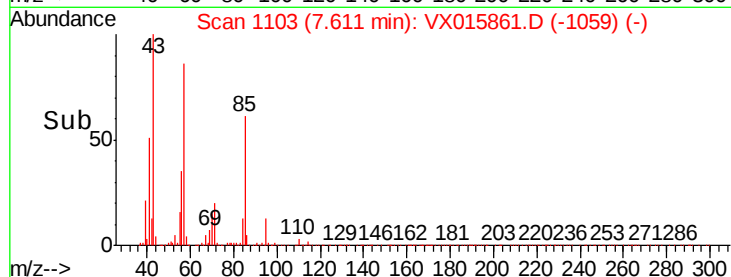
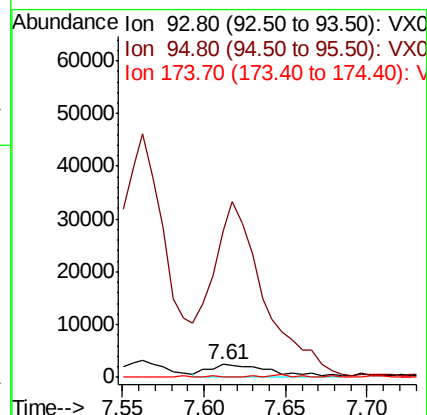
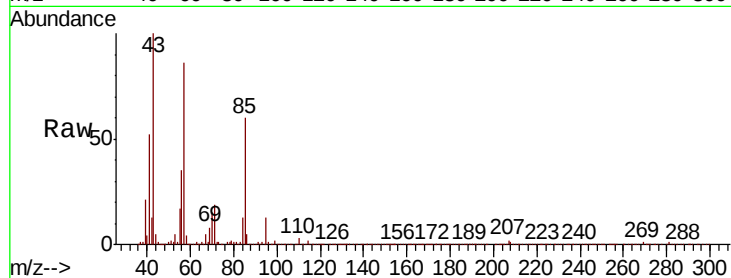
Tot Ion: 93 Resp: 5816

Ion Ratio Lower Upper

93 100

95 1241.8 65.8 98.8#

174 0.0 95.6 143.4#



#47

Bromodichloromethane

Concen: 2.204 ug/l

RT: 7.83 min Scan# 1139

Delta R.T. -0.05 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

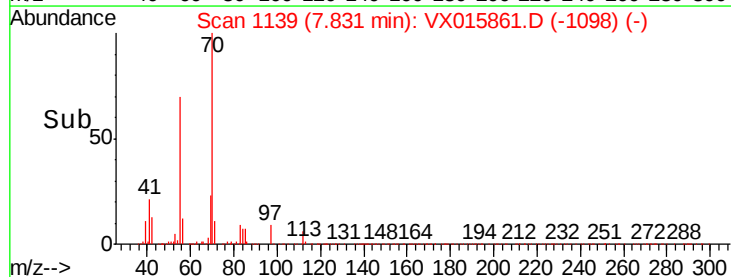
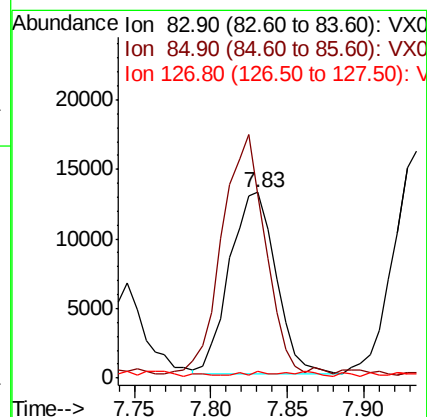
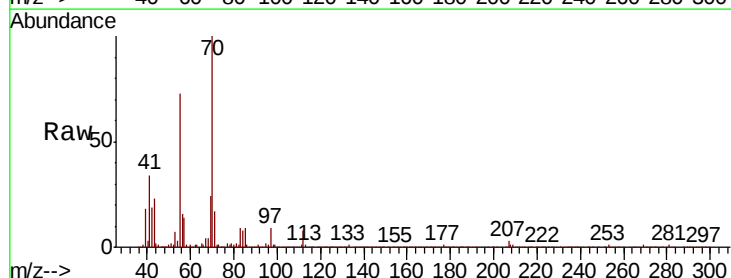
Tgt Ion: 83 Resp: 27261

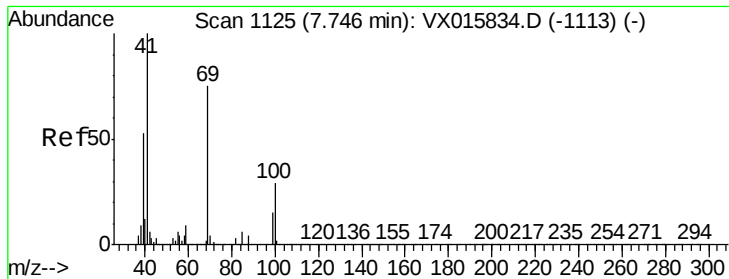
Ion Ratio Lower Upper

83 100

85 97.4 50.8 76.2#

127 1.8 6.6 10.0#

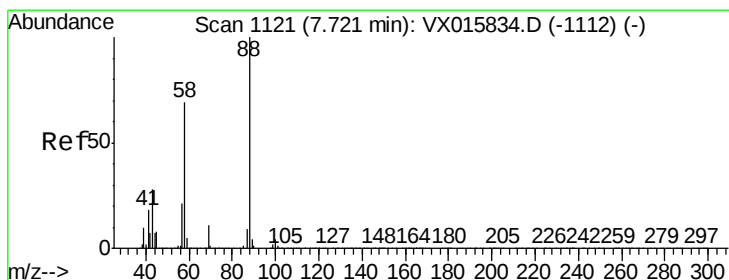
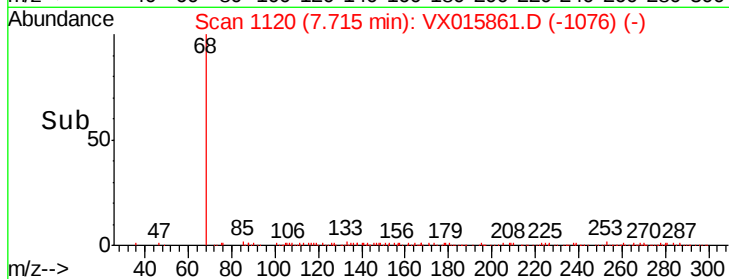
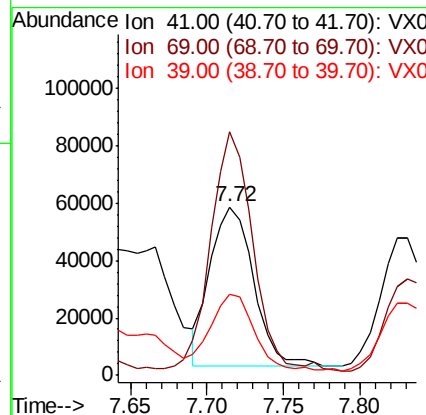
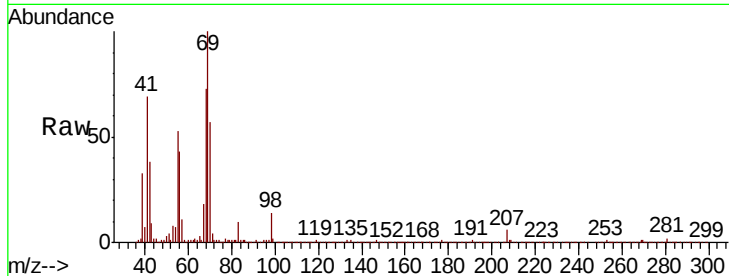




#48
Methvl methacrylate
Concen: 9.284 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. -0.03 min
Lab File: VX015861.D
Acq: 23 Apr 2020 00:11

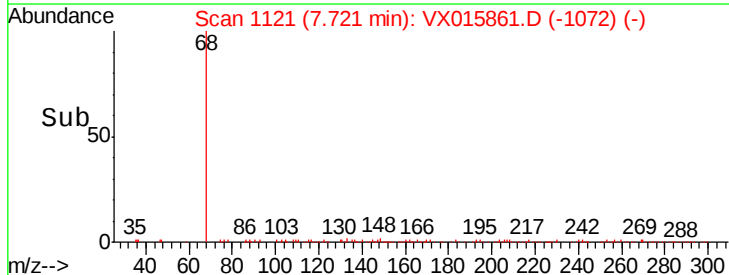
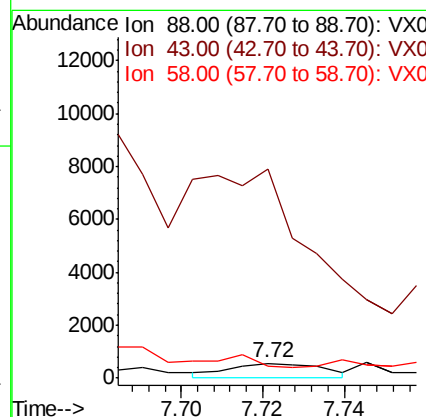
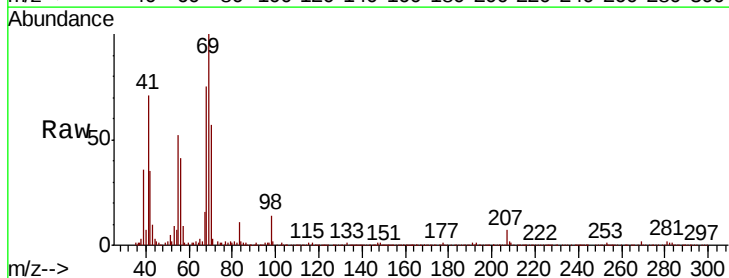
Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-200421

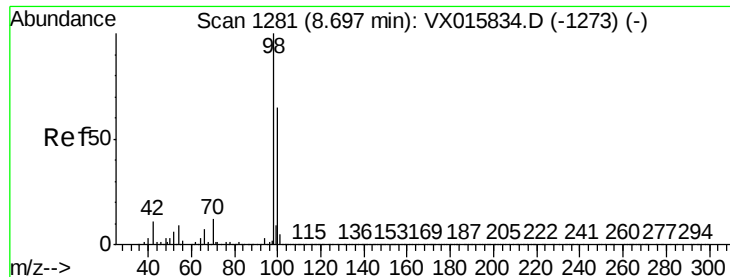
Tot Ion: 41 Resp: 110619
Ion Ratio Lower Upper
41 100
69 144.9 60.5 90.7#
39 47.0 42.1 63.1



#49
1,4-Dioxane
Concen: 4.045 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.00 min
Lab File: VX015861.D
Acq: 23 Apr 2020 00:11

Tgt Ion: 88 Resp: 911
Ion Ratio Lower Upper
88 100
43 0.0 28.2 42.4#
58 135.8 58.9 88.3#





#50

Toluene-d8

Concen: 51.005 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

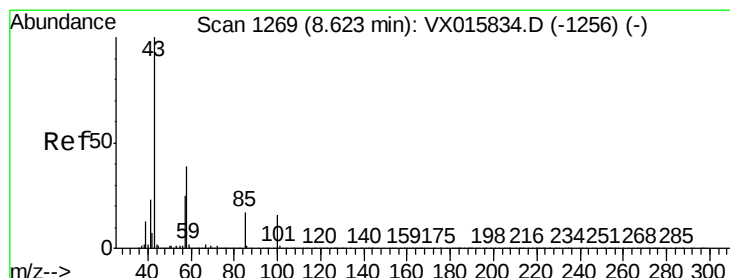
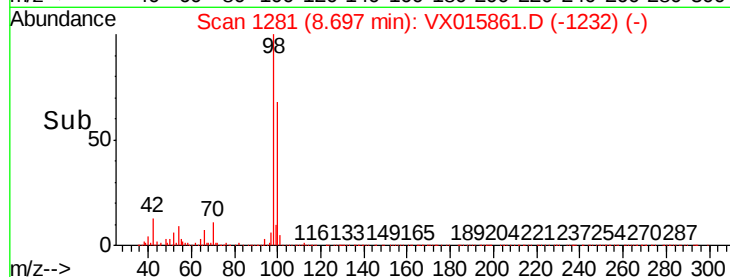
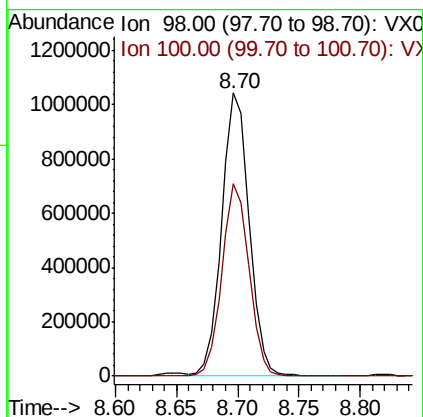
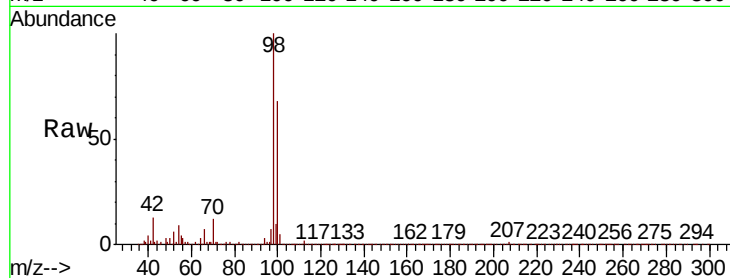
KY001MW020-200421

Tot Ion: 98 Resp: 1613155

Ion Ratio Lower Upper

98 100

100 67.6 53.8 80.6



#51

4-Methyl-2-Pentanone

Concen: 7.151 ug/l

RT: 8.66 min Scan# 1275

Delta R.T. 0.04 min

Lab File: VX015861.D

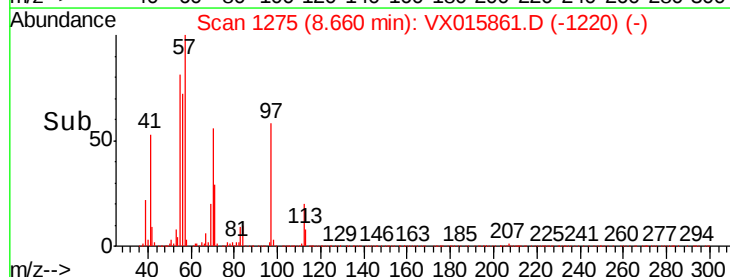
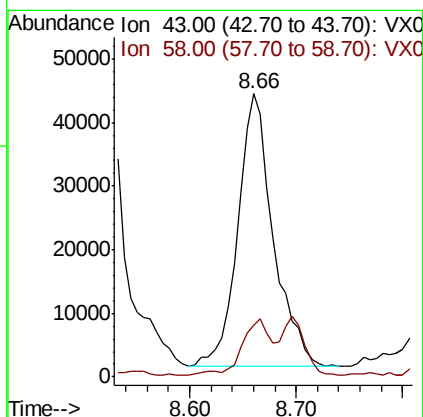
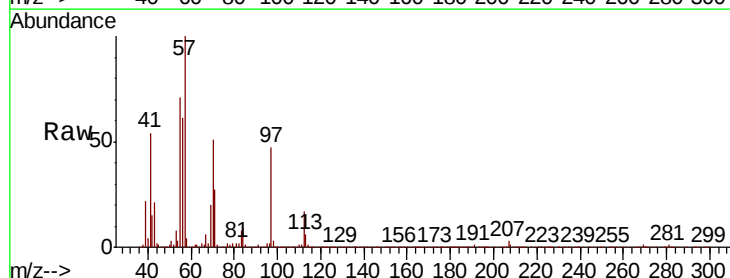
Acq: 23 Apr 2020 00:11

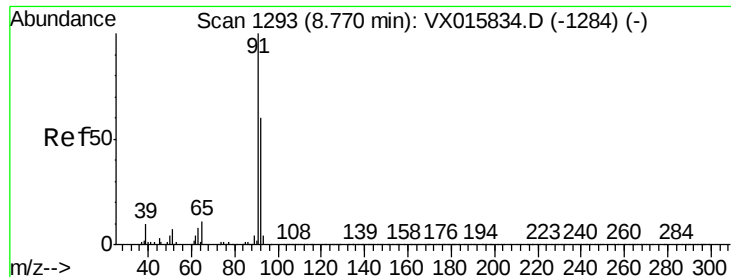
Tgt Ion: 43 Resp: 99985

Ion Ratio Lower Upper

43 100

58 16.0 30.6 45.8#





#52

Toluene

Concen: 1.820 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

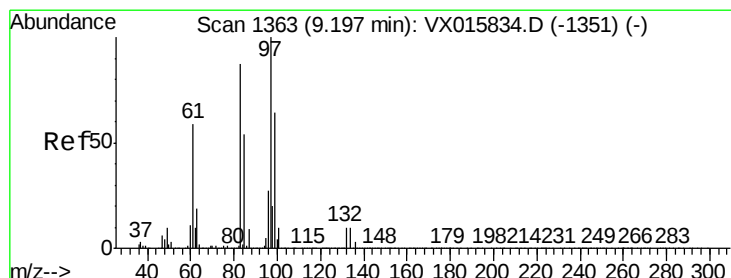
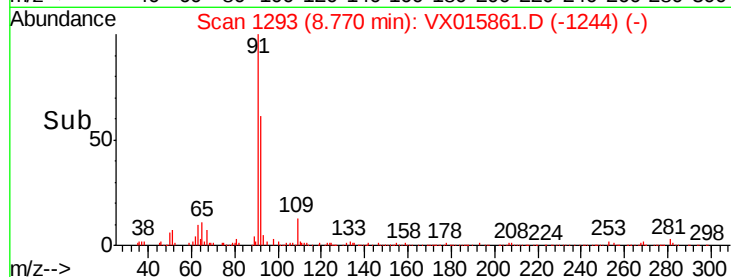
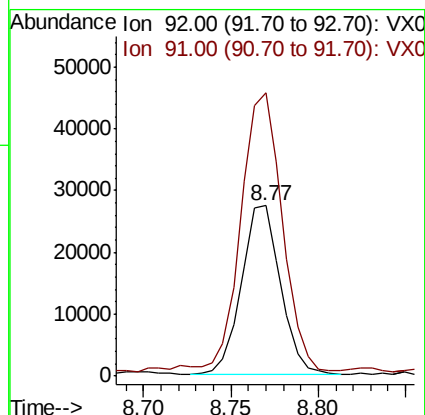
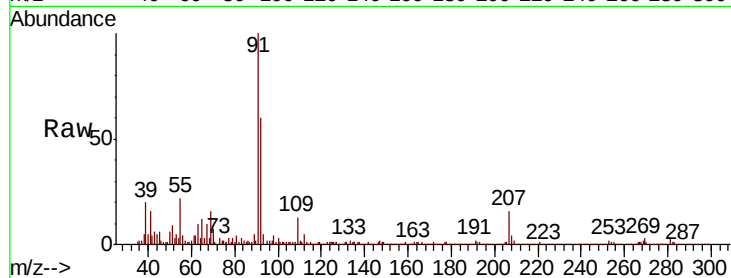
KY001MW020-200421

Tot Ion: 92 Resp: 42395

Ion Ratio Lower Upper

92 100

91 176.4 133.4 200.0



#55

1,1,2-Trichloroethane

Concen: 31.809 ug/l

RT: 9.15 min Scan# 1355

Delta R.T. -0.05 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

Tgt Ion: 97 Resp: 289335

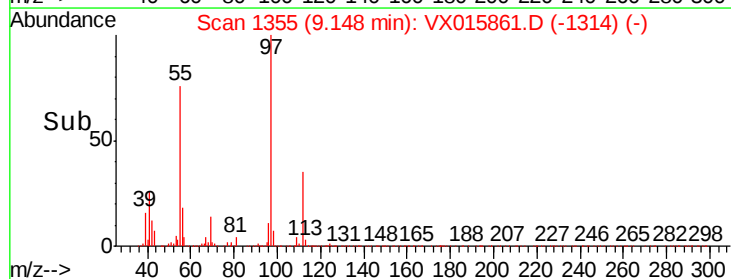
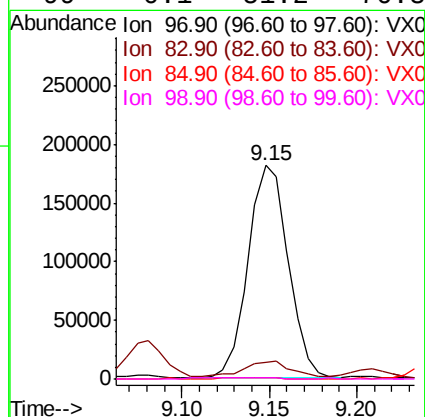
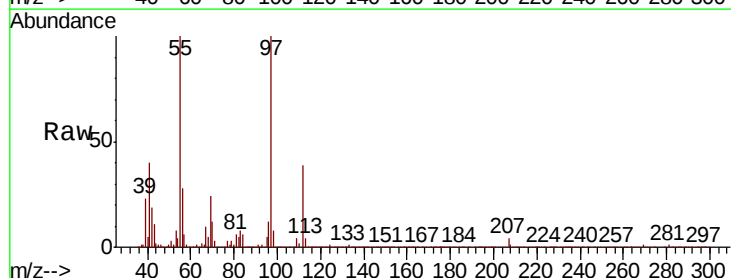
Ion Ratio Lower Upper

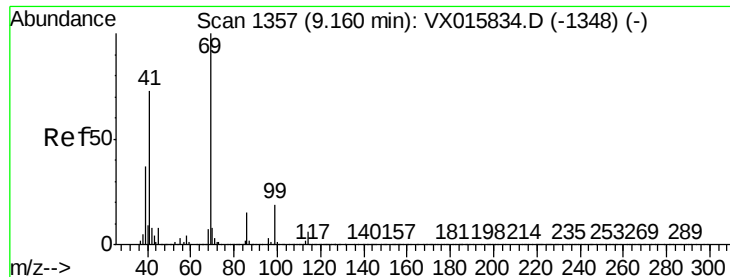
97 100

83 6.8 69.8 104.8#

85 0.3 43.4 65.2#

99 0.1 51.2 76.8#





#56

Ethyl methacrylate

Concen: 4.942 ug/l

RT: 9.15 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-200421

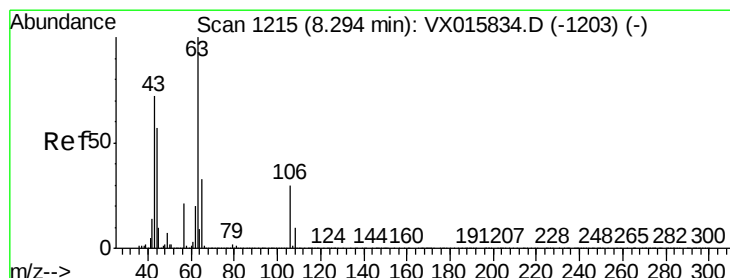
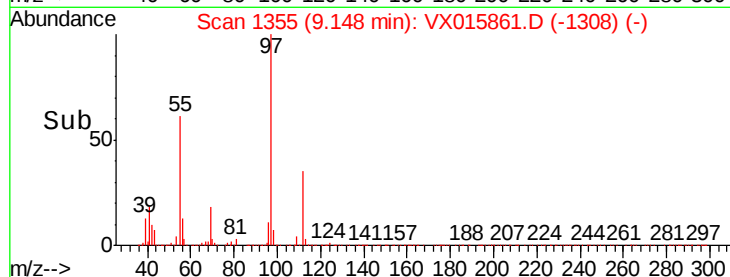
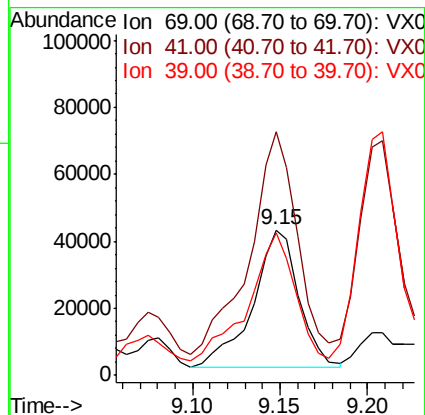
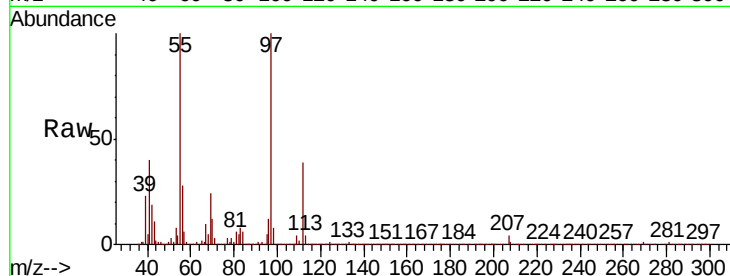
Tot Ion: 69 Resp: 76142

Ion Ratio Lower Upper

69 100

41 161.9 57.4 86.2#

39 91.1 29.7 44.5#



#58

2-Chloroethyl Vinyl ether

Concen: 0.315 ug/l

RT: 8.25 min Scan# 1208

Delta R.T. -0.04 min

Lab File: VX015861.D

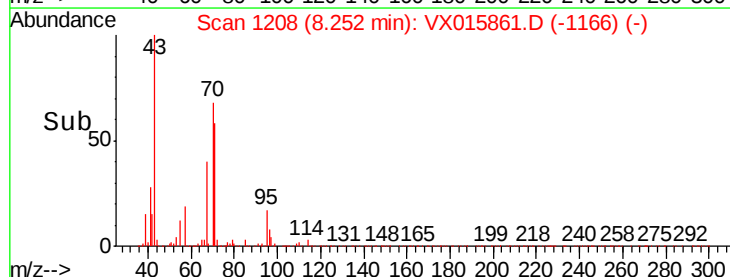
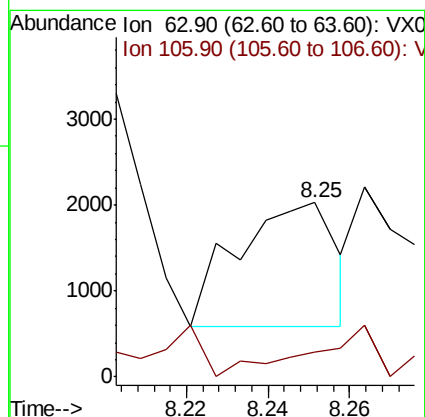
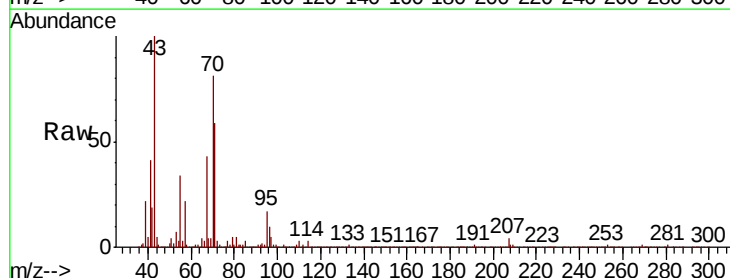
Acq: 23 Apr 2020 00:11

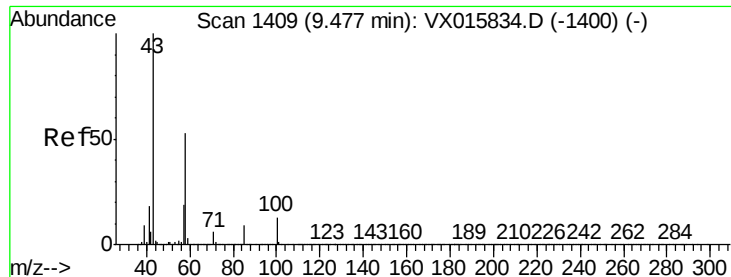
Tgt Ion: 63 Resp: 2425

Ion Ratio Lower Upper

63 100

106 21.8 23.8 35.8#

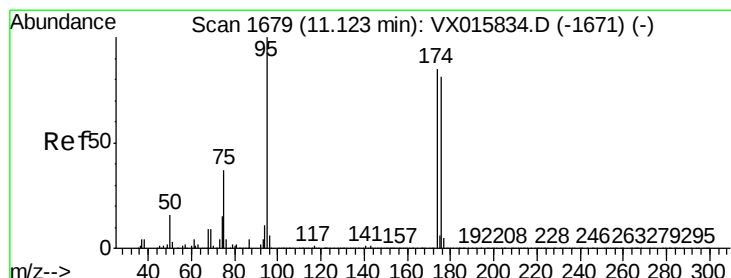
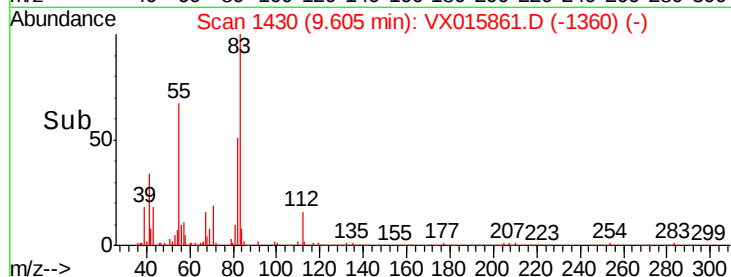
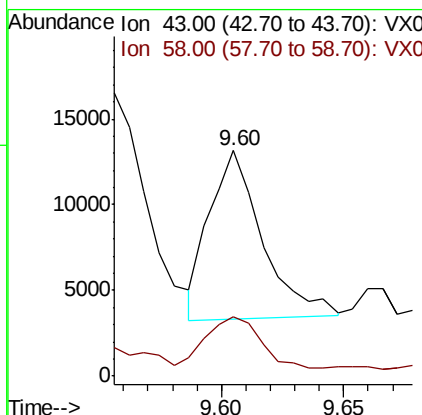
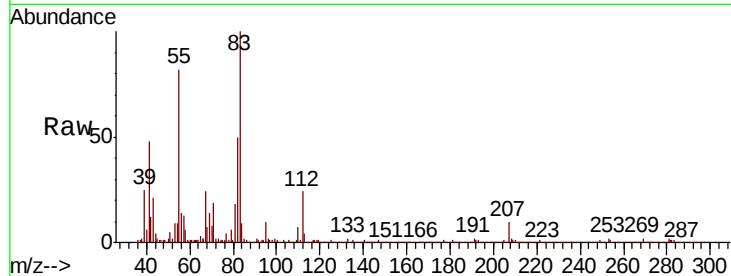




#59
2-Hexanone
Concen: 1.380 ug/l
RT: 9.60 min Scan# 1430
Delta R.T. 0.13 min
Lab File: VX015861.D
Acq: 23 Apr 2020 00:11

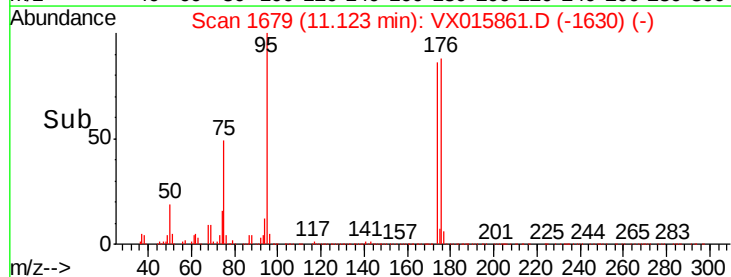
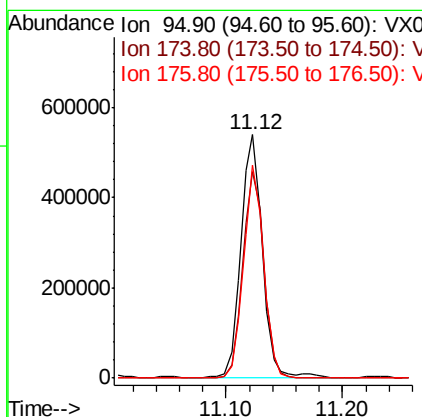
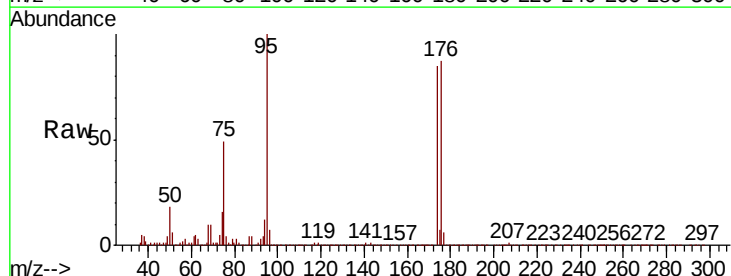
Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-200421

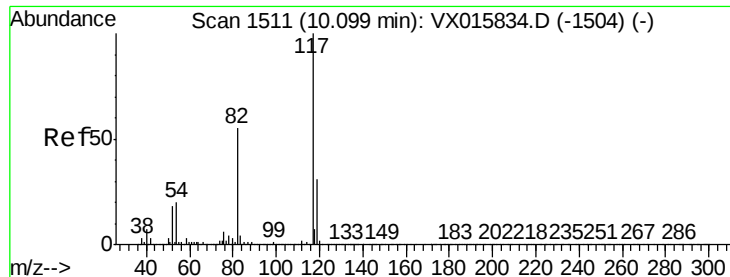
Tot Ion: 43 Resp: 14700
Ion Ratio Lower Upper
43 100
58 31.4 26.5 79.4



#62
4-Bromofluorobenzene
Concen: 53.119 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015861.D
Acq: 23 Apr 2020 00:11

Tgt Ion: 95 Resp: 689190
Ion Ratio Lower Upper
95 100
174 84.4 0.0 172.4
176 82.4 0.0 167.0

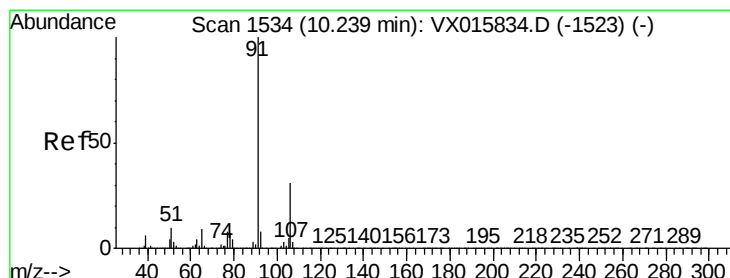
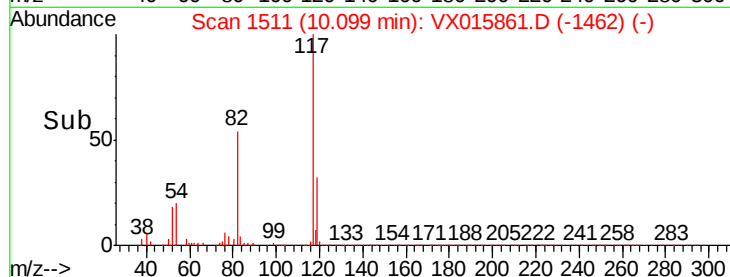
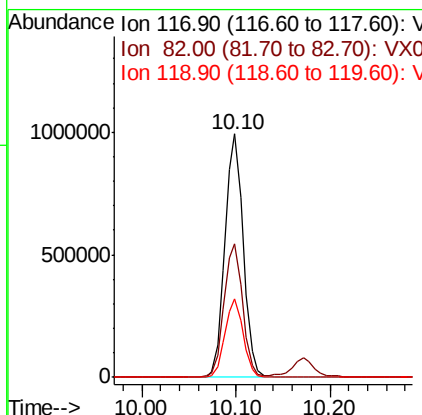
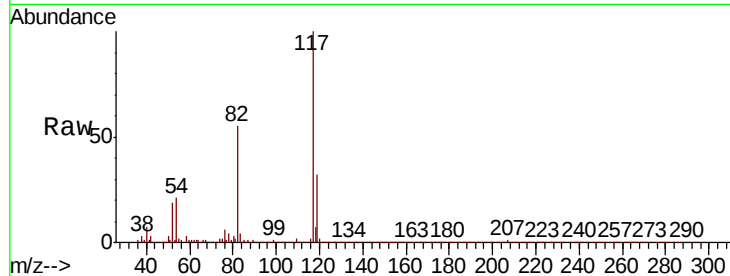




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015861.D
Acq: 23 Apr 2020 00:11

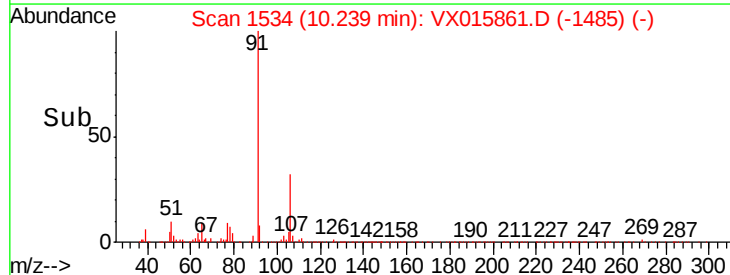
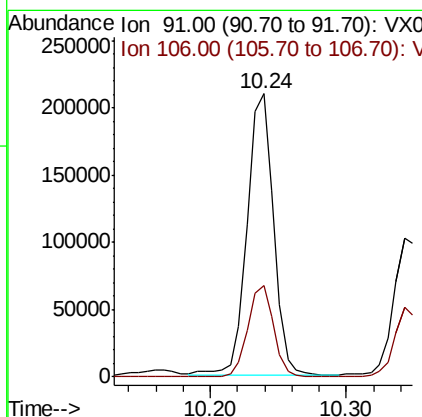
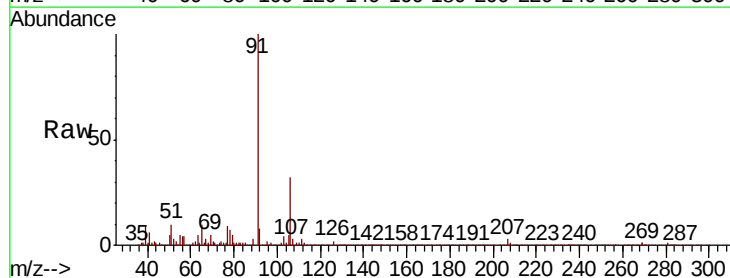
Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-200421

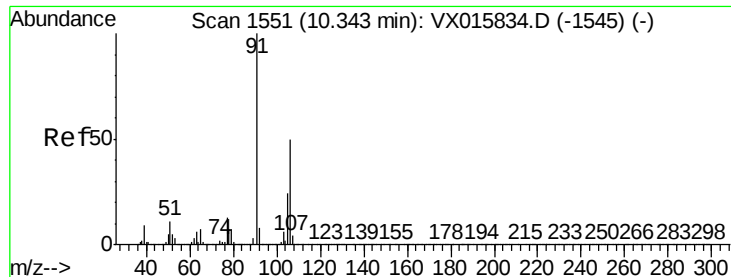
Tot Ion:117 Resp: 1339625
Ion Ratio Lower Upper
117 100
82 54.4 43.9 65.9
119 32.0 25.1 37.7



#67
Ethyl Benzene
Concen: 6.125 ug/l
RT: 10.24 min Scan# 1534
Delta R.T. -0.00 min
Lab File: VX015861.D
Acq: 23 Apr 2020 00:11

Tgt Ion: 91 Resp: 288112
Ion Ratio Lower Upper
91 100
106 32.2 25.0 37.4

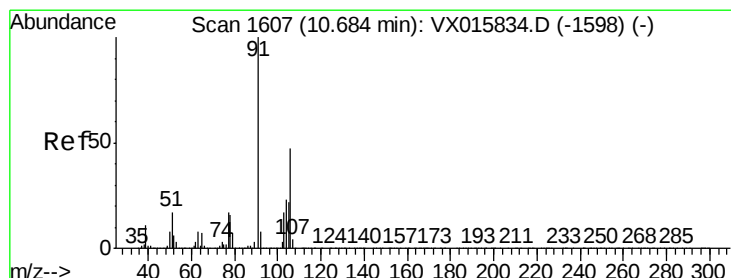
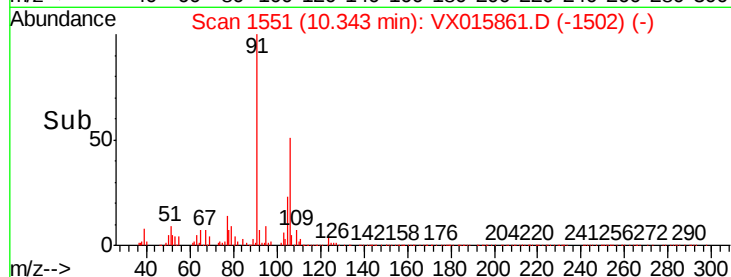
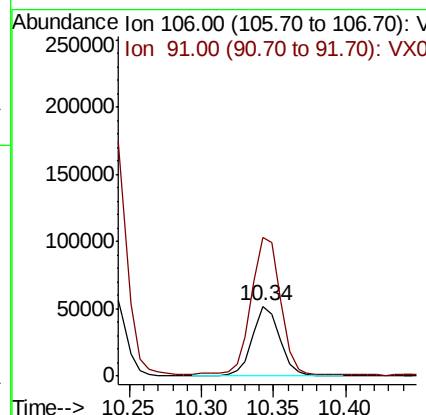
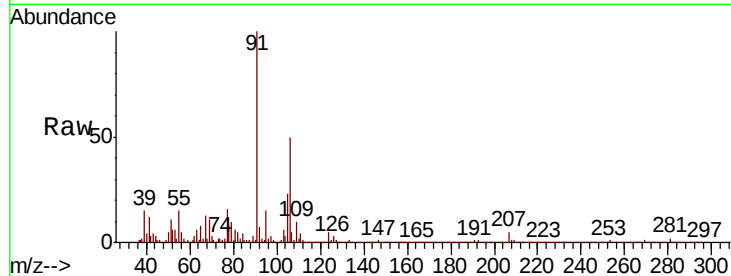




#68
m/p-Xylenes
Concen: 3.917 ug/l
RT: 10.34 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VX015861.D
Acq: 23 Apr 2020 00:11

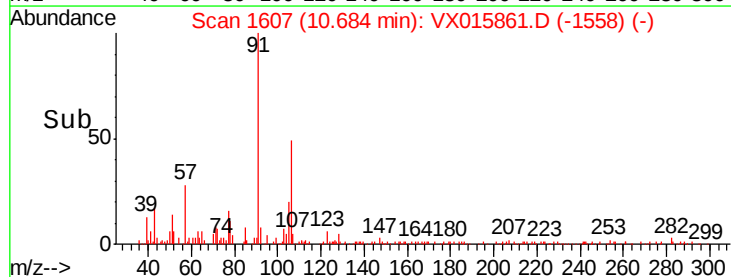
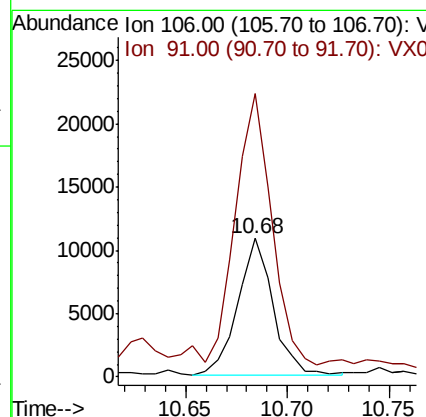
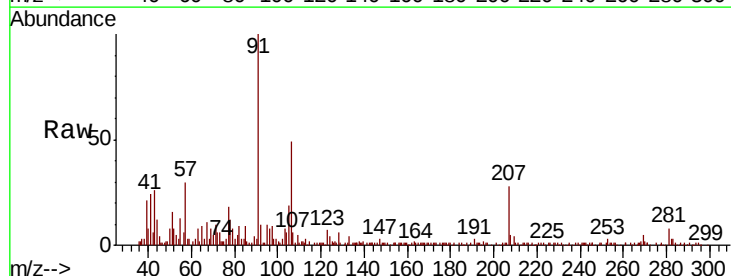
Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-200421

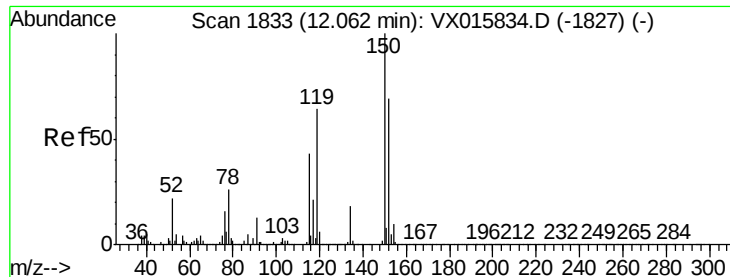
Tot Ion:106 Resp: 69166
Ion Ratio Lower Upper
106 100
91 207.1 161.1 241.7



#69
o-Xylene
Concen: 0.741 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. -0.00 min
Lab File: VX015861.D
Acq: 23 Apr 2020 00:11

Tgt Ion:106 Resp: 12882
Ion Ratio Lower Upper
106 100
91 207.6 107.1 321.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-200421

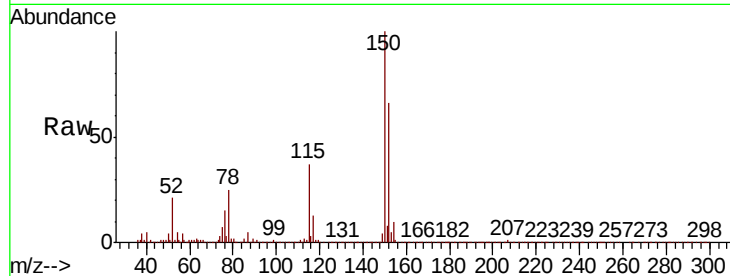
Tot Ion:152 Resp: 741330

Ion Ratio Lower Upper

152 100

115 56.6 39.0 116.9

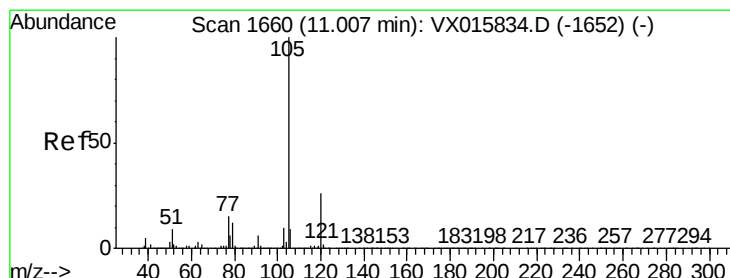
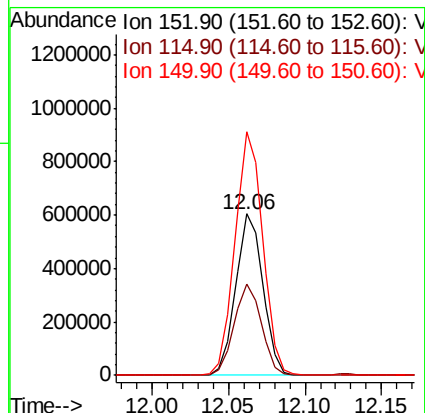
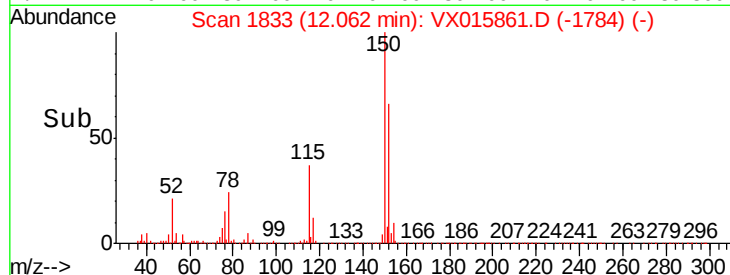
150 153.7 0.0 336.8



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



#73

Isopropylbenzene

Concen: 222.722 ug/l

RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX015861.D

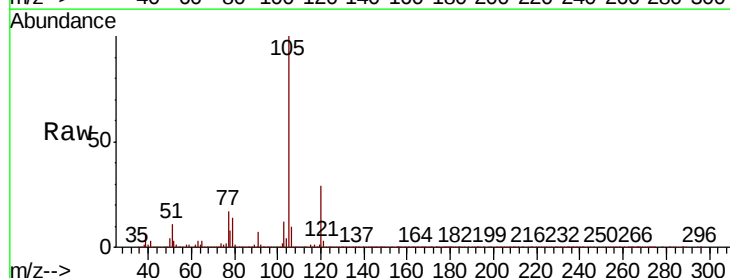
Acq: 23 Apr 2020 00:11

Tgt Ion:105 Resp:10486136

Ion Ratio Lower Upper

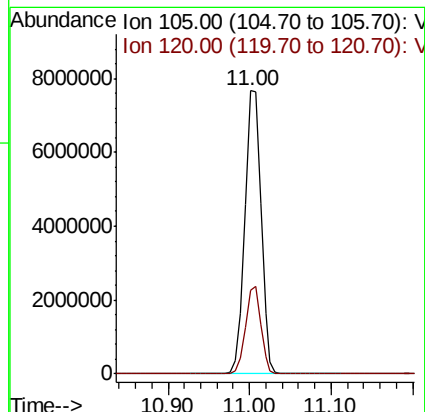
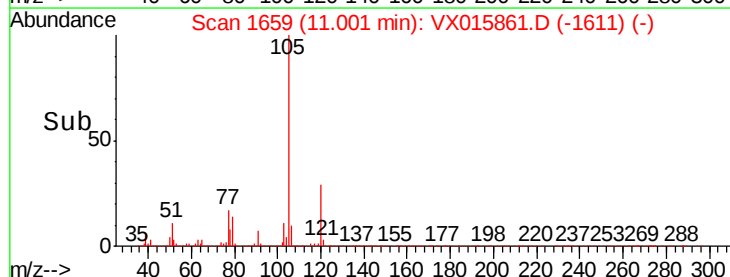
105 100

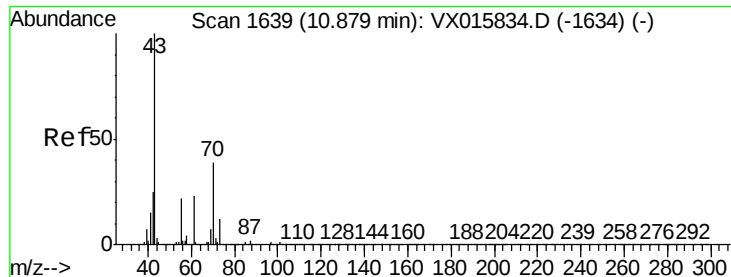
120 29.2 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.368 ug/l

RT: 10.89 min Scan# 1640

Delta R.T. 0.01 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-200421

Tot Ion: 43 Resp: 8947

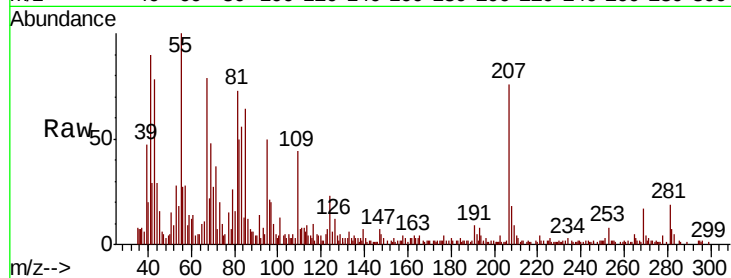
Ion Ratio Lower Upper

43 100

70 68.1 32.6 49.0#

55 0.0 18.3 27.5#

61 21.2 18.7 28.1

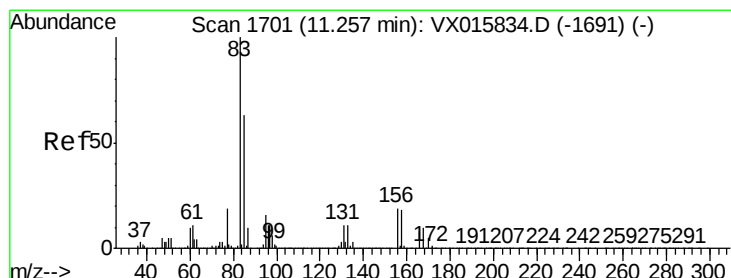
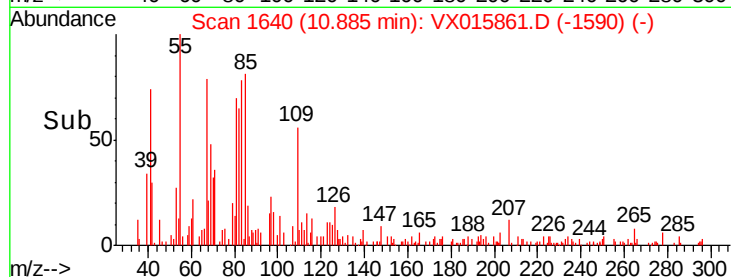
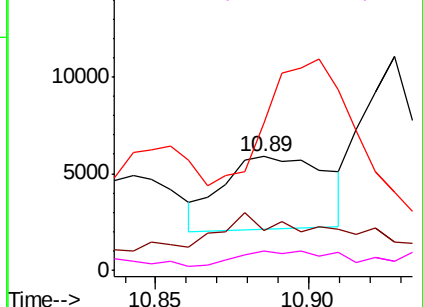


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 0.256 ug/l

RT: 11.26 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

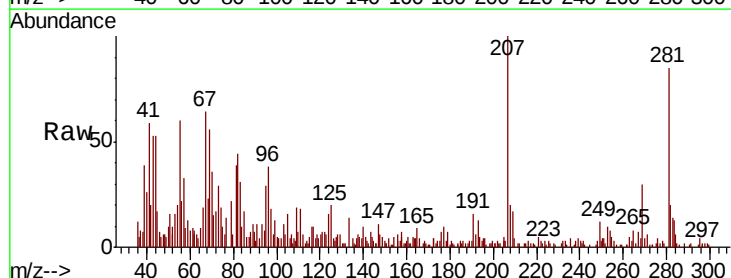
Tgt Ion: 83 Resp: 2551

Ion Ratio Lower Upper

83 100

131 14.2 5.5 16.4

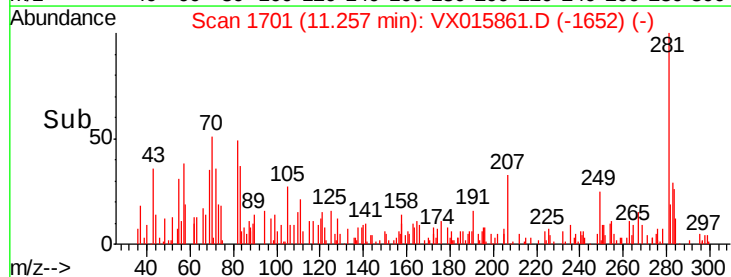
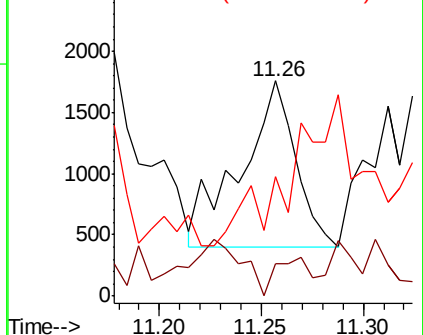
85 0.0 32.4 97.0#

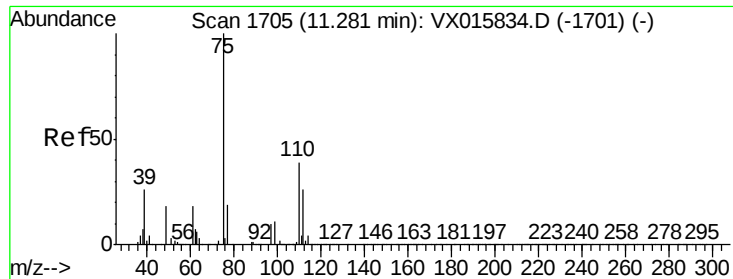


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 4.686 ug/l

RT: 11.35 min Scan# 1716

Delta R.T. 0.07 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

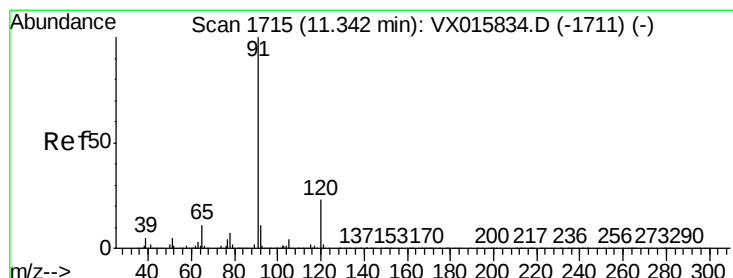
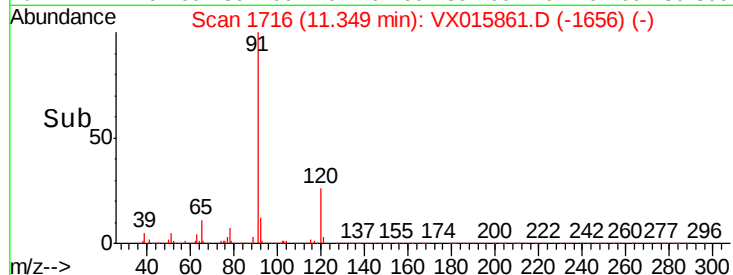
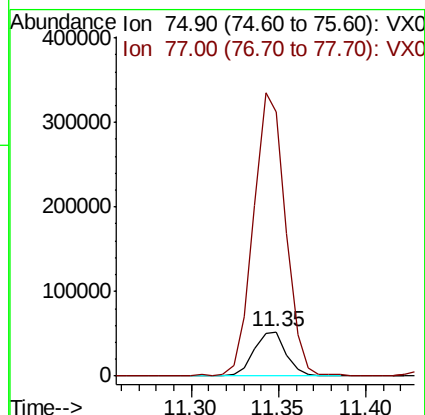
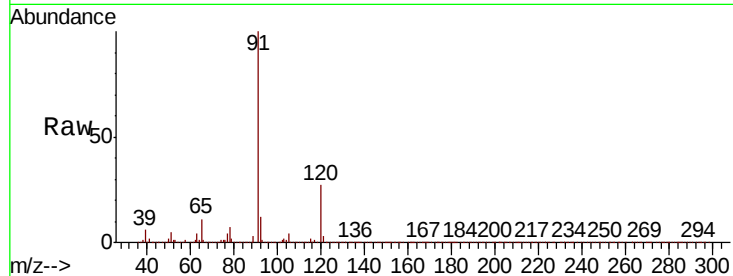
KY001MW020-200421

Tot Ion: 75 Resp: 66057

Ion Ratio Lower Upper

75 100

77 642.8 21.3 63.9#



#78

n-propylbenzene

Concen: 187.074 ug/l

RT: 11.34 min Scan# 1715

Delta R.T. -0.00 min

Lab File: VX015861.D

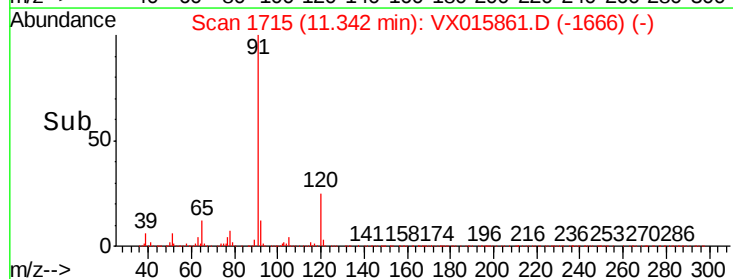
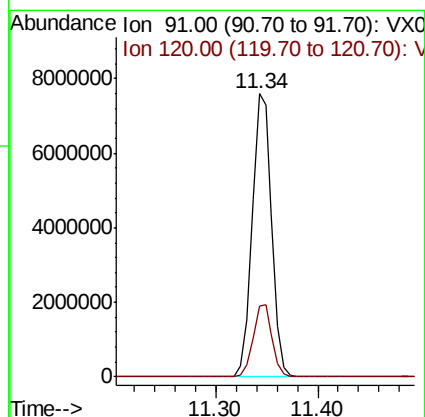
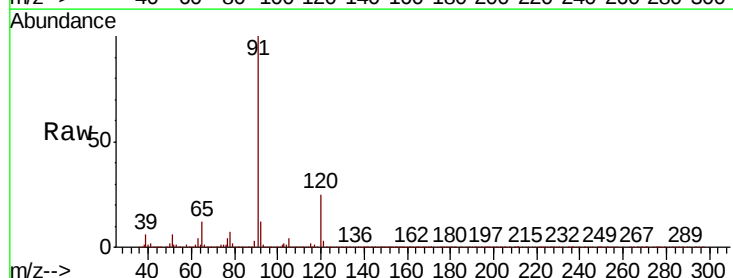
Acq: 23 Apr 2020 00:11

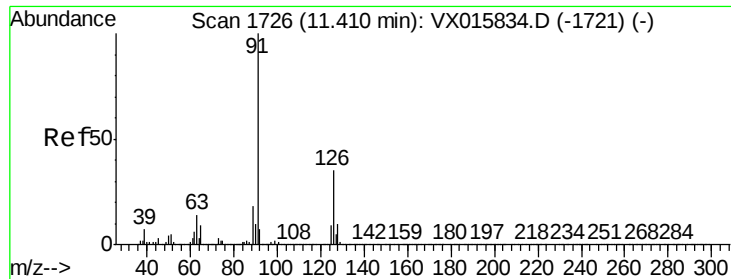
Tgt Ion: 91 Resp:10089758

Ion Ratio Lower Upper

91 100

120 24.9 11.7 35.1

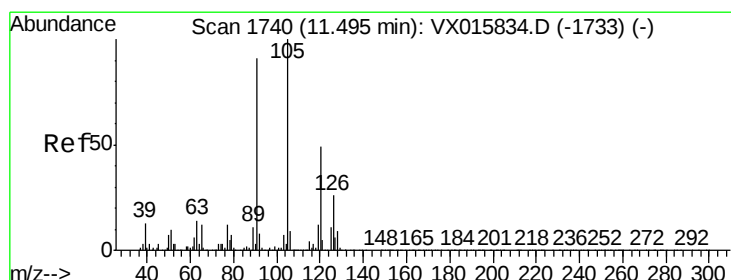
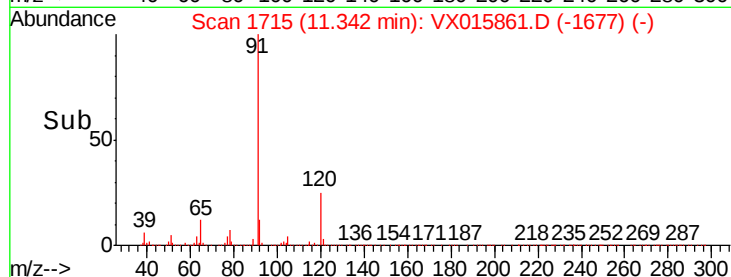
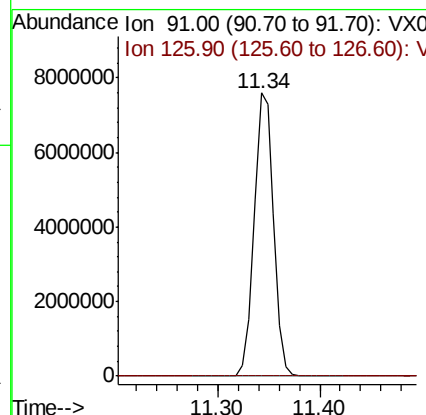
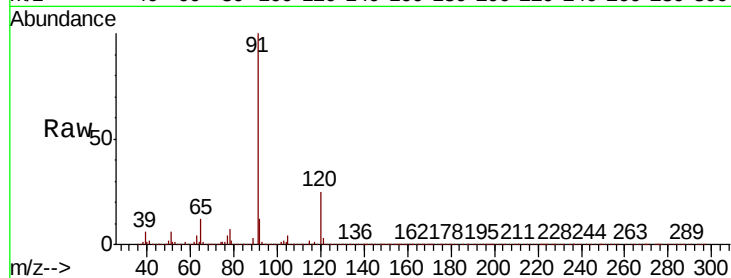




#79
 2-Chlorotoluene
 Concen: 311.436 ug/l
 RT: 11.34 min Scan# 1715
 Delta R.T. -0.07 min
 Lab File: VX015861.D
 Acq: 23 Apr 2020 00:11

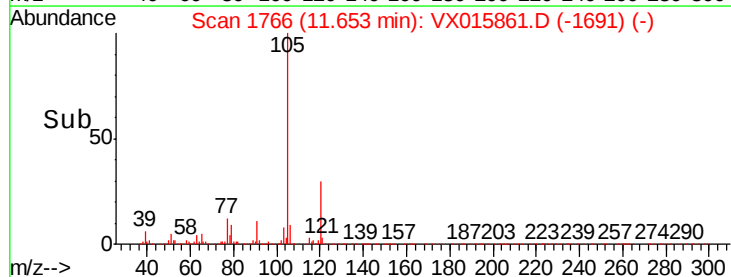
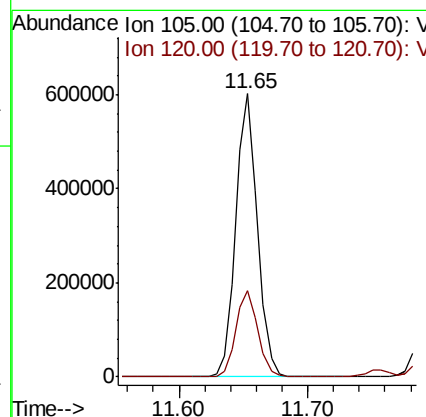
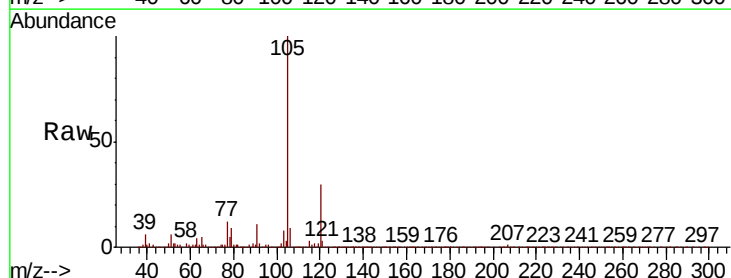
Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW020-200421

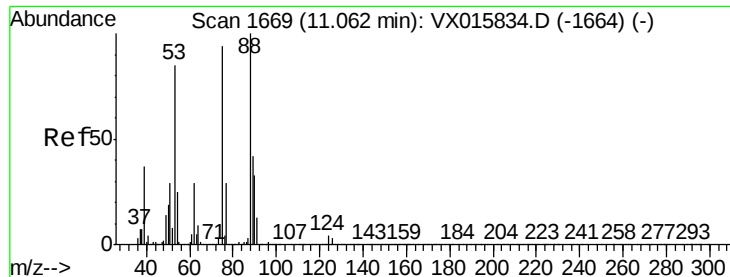
Tot Ion: 91 Resp: 10089758
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.2 51.5#



#80
 1,3,5-Trimethylbenzene
 Concen: 17.585 ug/l
 RT: 11.65 min Scan# 1766
 Delta R.T. 0.16 min
 Lab File: VX015861.D
 Acq: 23 Apr 2020 00:11

Tgt Ion: 105 Resp: 705977
 Ion Ratio Lower Upper
 105 100
 120 30.9 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 56.411 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-200421

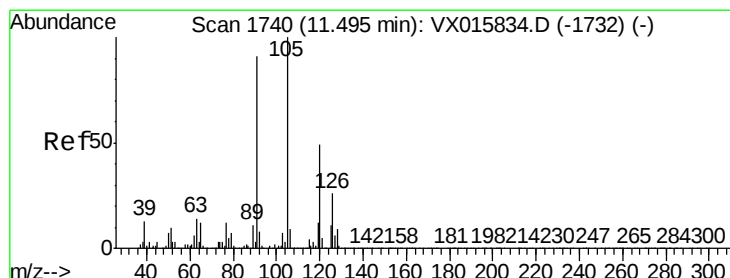
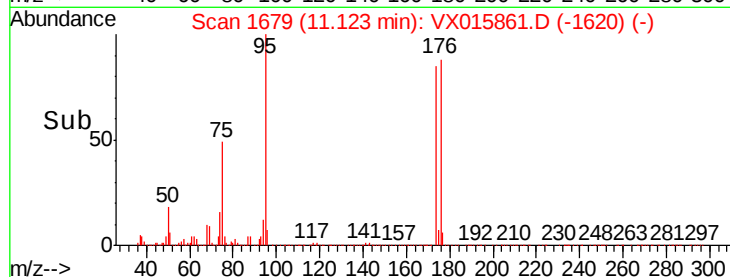
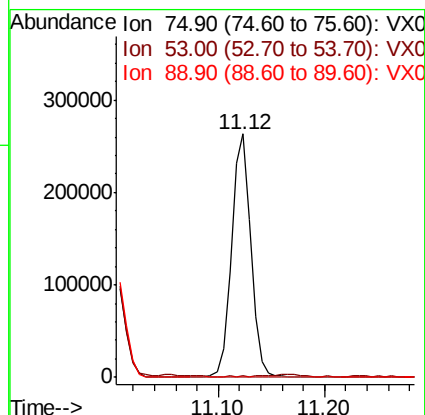
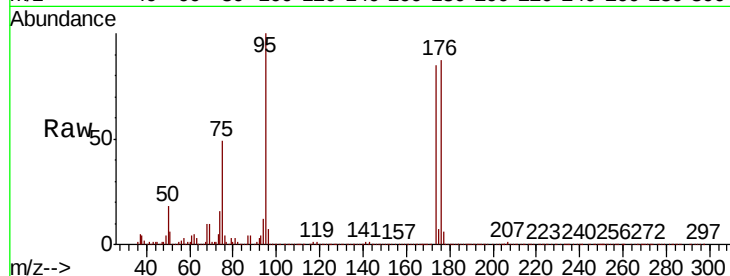
Tot Ion: 75 Resp: 330583

Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.2#

89 0.0 38.0 57.0#



#82

4-Chlorotoluene

Concen: 262.085 ug/l

RT: 11.34 min Scan# 1715

Delta R.T. -0.15 min

Lab File: VX015861.D

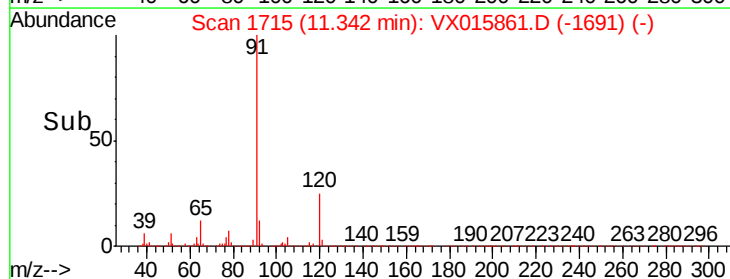
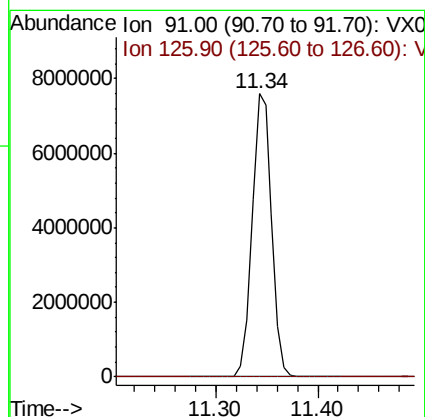
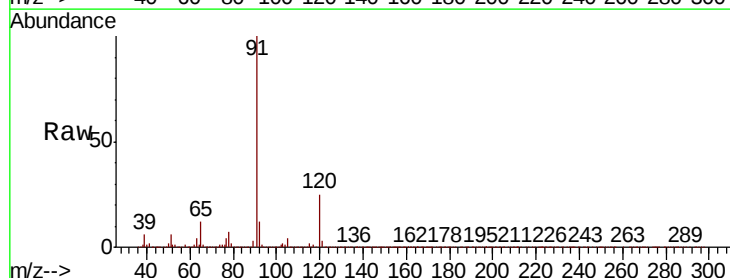
Acq: 23 Apr 2020 00:11

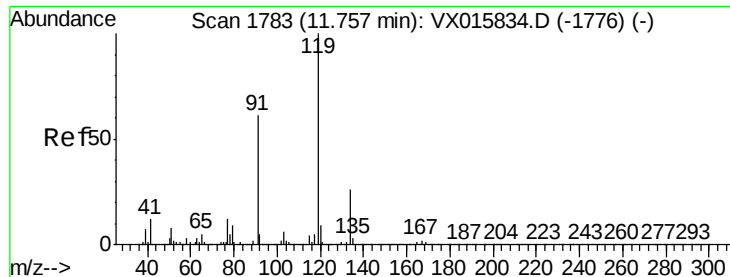
Tgt Ion: 91 Resp: 10089758

Ion Ratio Lower Upper

91 100

126 0.0 15.0 45.0#

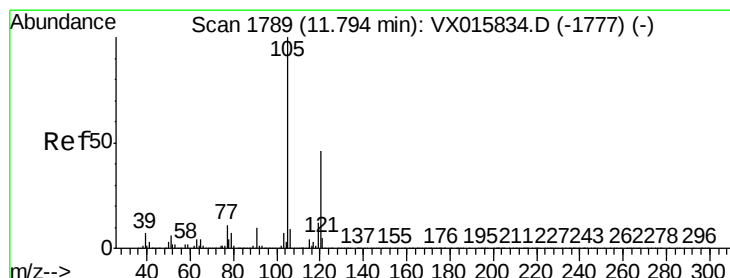
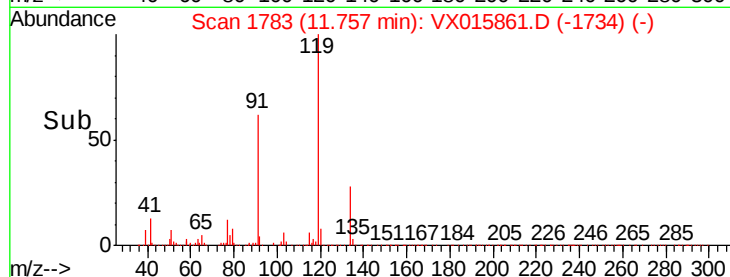
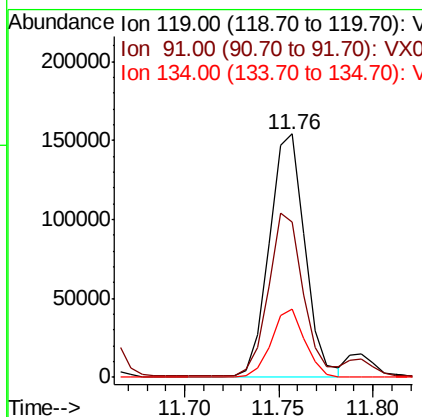
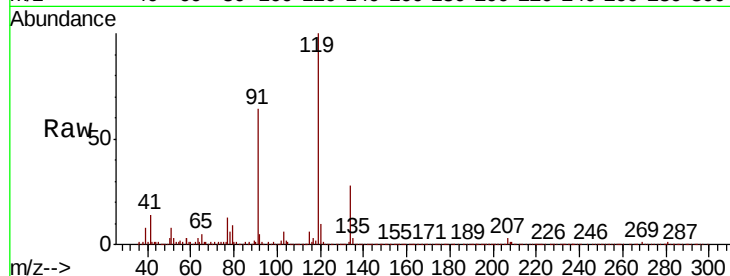




#83
tert-Butylbenzene
Concen: 5.659 ug/l
RT: 11.76 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX015861.D
Acq: 23 Apr 2020 00:11

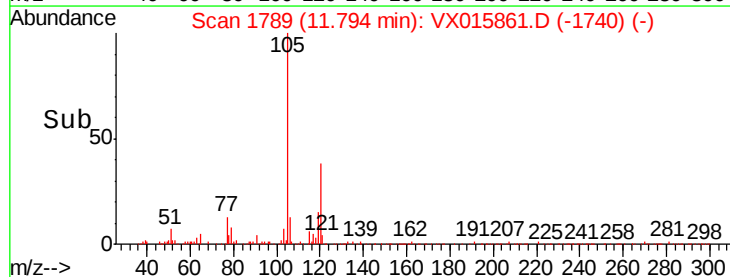
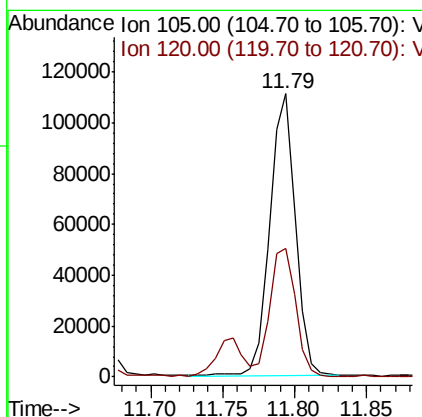
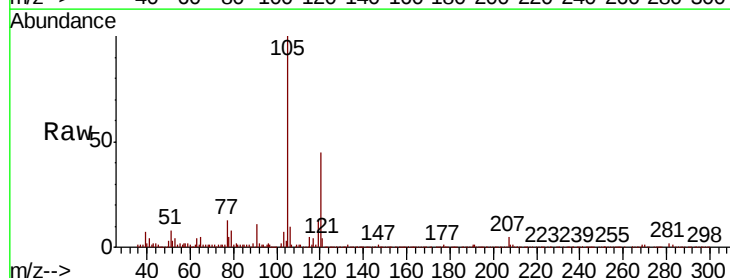
Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-200421

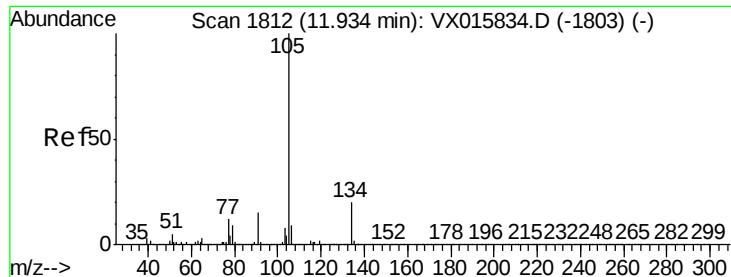
Tot Ion:119 Resp: 201518
Ion Ratio Lower Upper
119 100
91 65.8 30.9 92.7
134 26.8 12.4 37.2



#84
1,2,4-Trimethylbenzene
Concen: 3.286 ug/l
RT: 11.79 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX015861.D
Acq: 23 Apr 2020 00:11

Tgt Ion:105 Resp: 136970
Ion Ratio Lower Upper
105 100
120 46.0 22.9 68.7

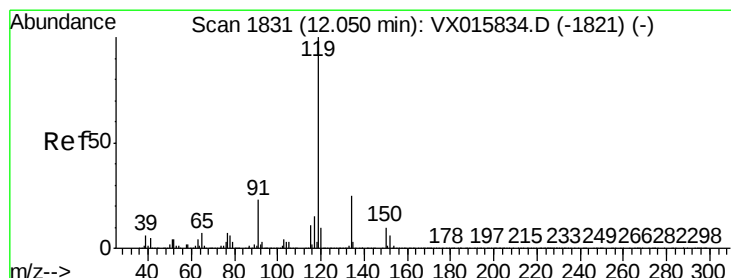
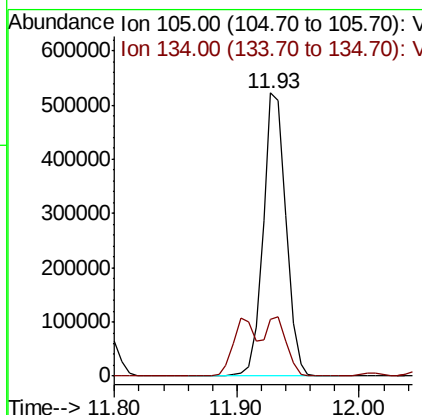
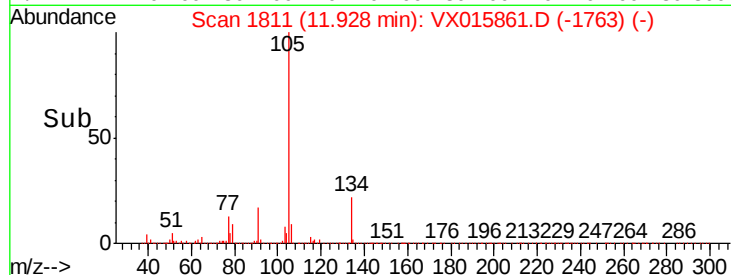
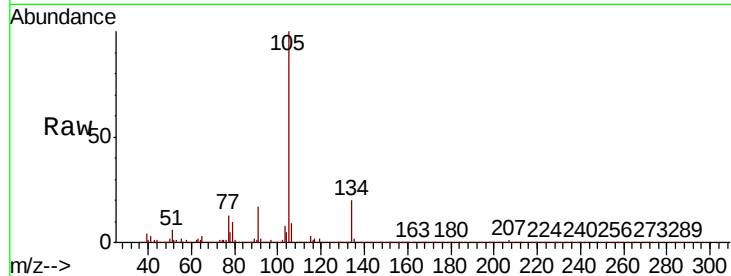




#85
 sec-Butylbenzene
 Concen: 14.430 ug/l
 RT: 11.93 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: VX015861.D
 Acq: 23 Apr 2020 00:11

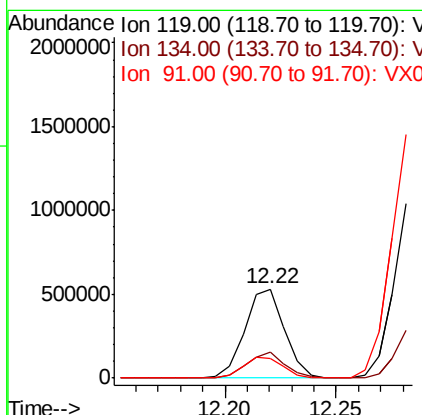
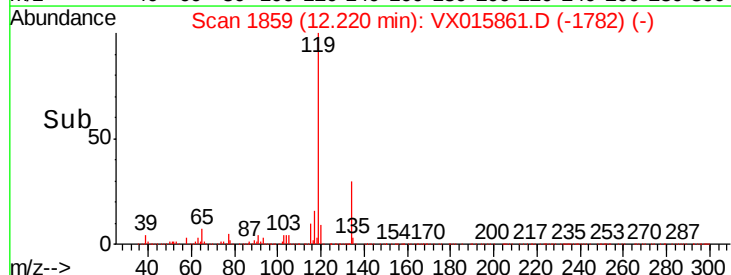
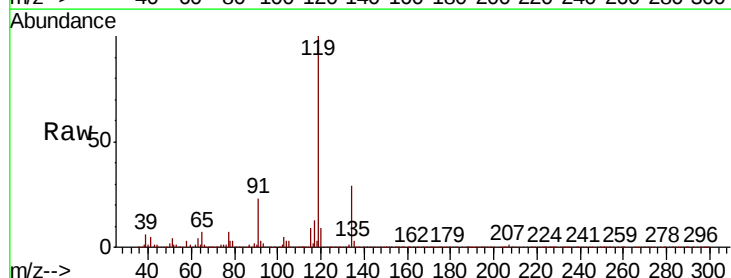
Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW020-200421

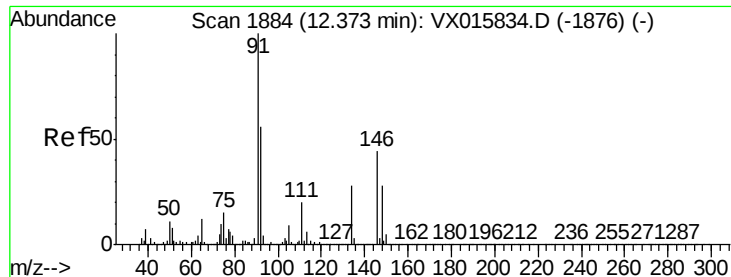
Tot Ion:105 Resp: 677370
 Ion Ratio Lower Upper
 105 100
 134 16.7 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 15.027 ug/l
 RT: 12.22 min Scan# 1859
 Delta R.T. 0.17 min
 Lab File: VX015861.D
 Acq: 23 Apr 2020 00:11

Tgt Ion:119 Resp: 659608
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.0 38.9
 91 23.8 11.5 34.5

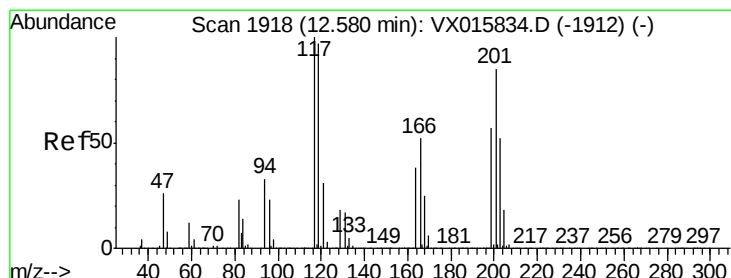
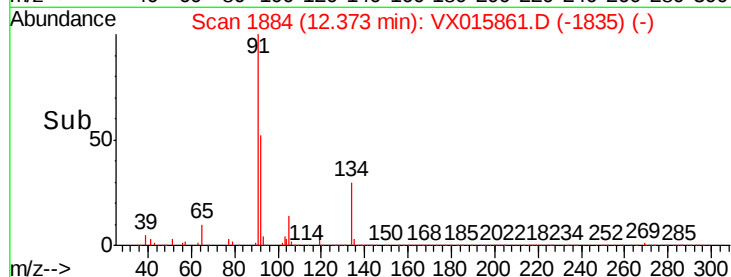
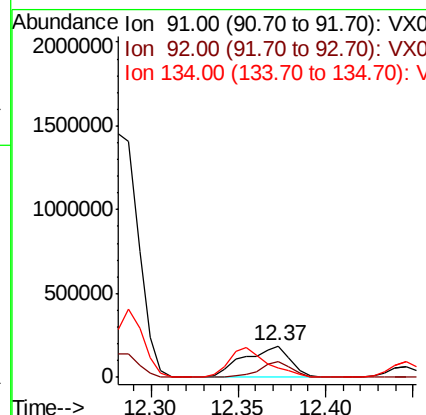
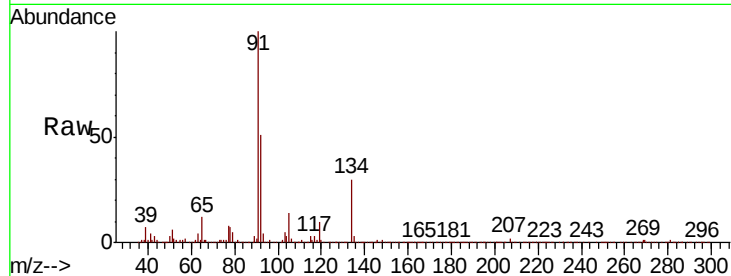




#89
n-Butylbenzene
Concen: 8.827 ug/l
RT: 12.37 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VX015861.D
Acq: 23 Apr 2020 00:11

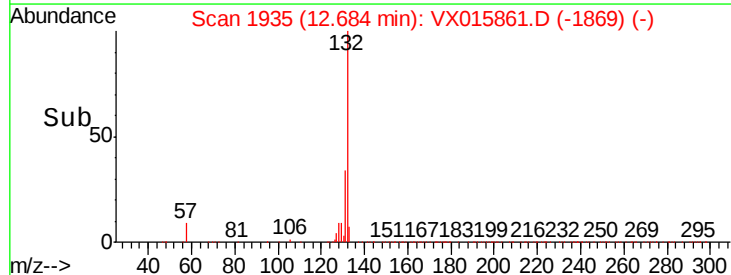
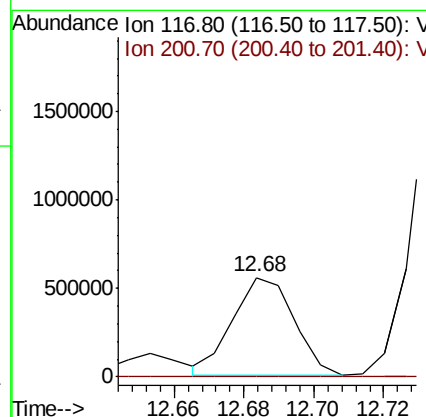
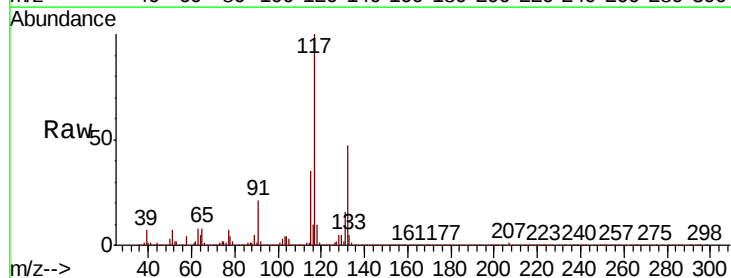
Instrument :
MSVOA_X
ClientSampleId :
KY001MW020-200421

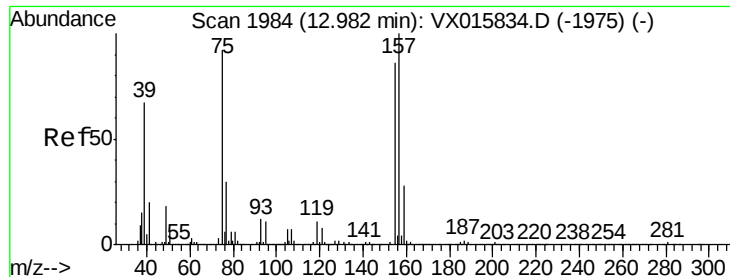
Tot Ion: 91 Resp: 346422
Ion Ratio Lower Upper
91 100
92 35.7 27.7 83.1
134 77.2 14.1 42.4#



#90
Hexachloroethane
Concen: 144.106 ug/l
RT: 12.68 min Scan# 1935
Delta R.T. 0.10 min
Lab File: VX015861.D
Acq: 23 Apr 2020 00:11

Tgt Ion: 117 Resp: 668240
Ion Ratio Lower Upper
117 100
201 0.0 45.6 136.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.590 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.01 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-200421

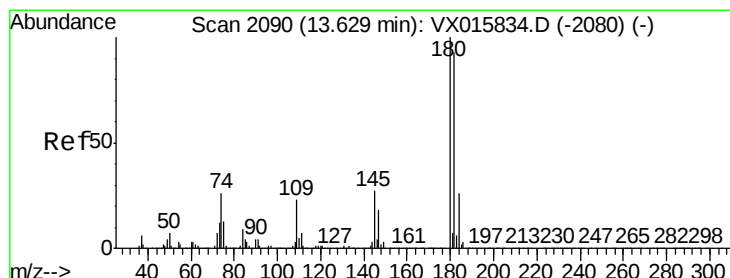
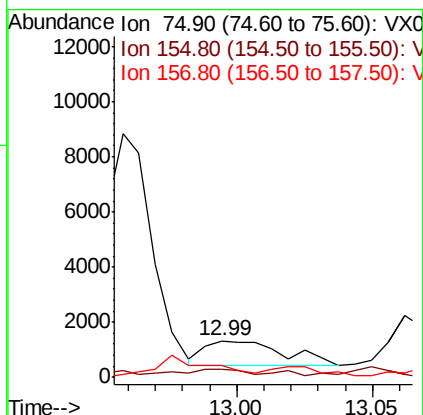
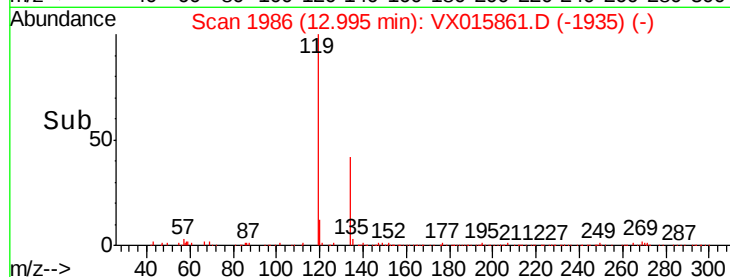
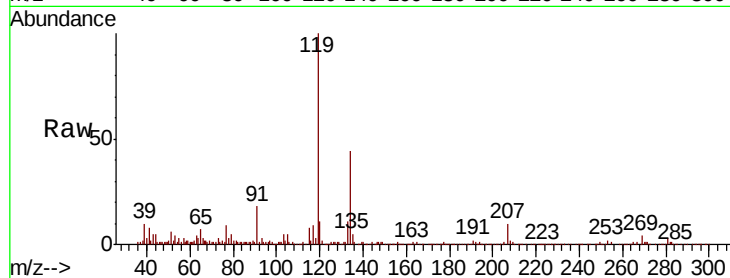
Tot Ion: 75 Resp: 1744

Ion Ratio Lower Upper

75 100

155 11.8 48.1 144.4#

157 0.0 58.9 176.7#



#93

1,2,4-Trichlorobenzene

Concen: 0.304 ug/l

RT: 13.63 min Scan# 2090

Delta R.T. -0.00 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

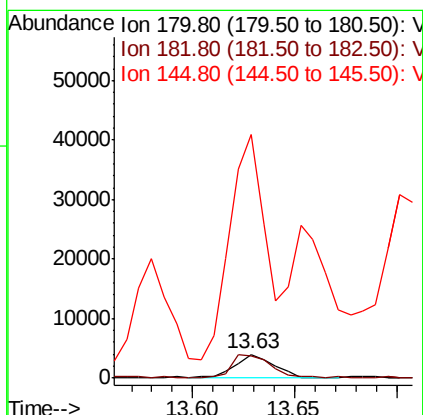
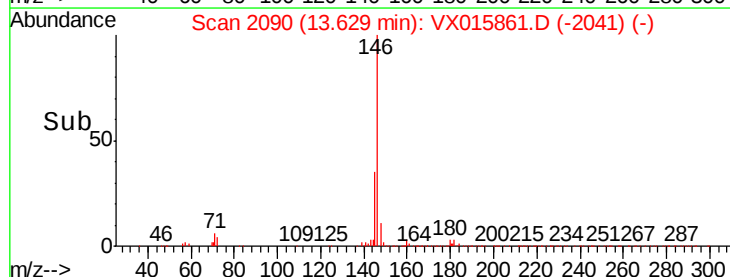
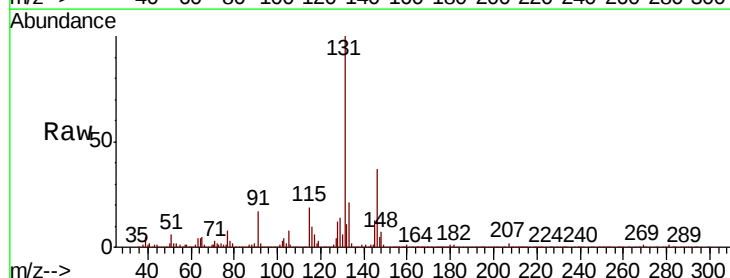
Tgt Ion: 180 Resp: 5370

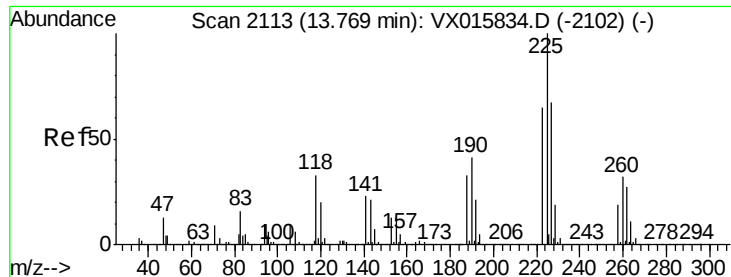
Ion Ratio Lower Upper

180 100

182 102.9 47.7 143.1

145 954.7 14.5 43.5#





#94

Hexachlorobutadiene

Concen: 0.416 ug/l

RT: 13.77 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

Instrument :

MSVOA_X

ClientSampleId :

KY001MW020-200421

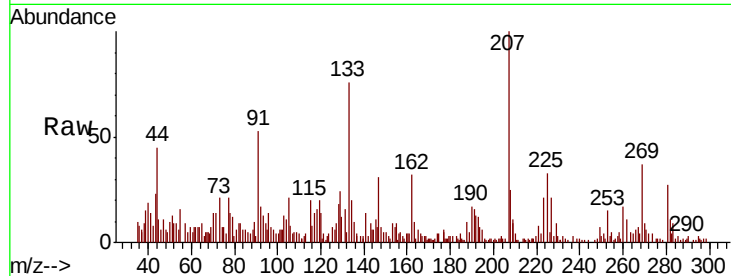
Tot Ion:225 Resp: 3293

Ion Ratio Lower Upper

225 100

223 65.4 31.3 93.8

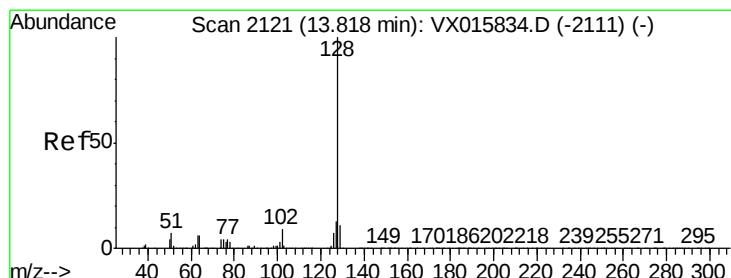
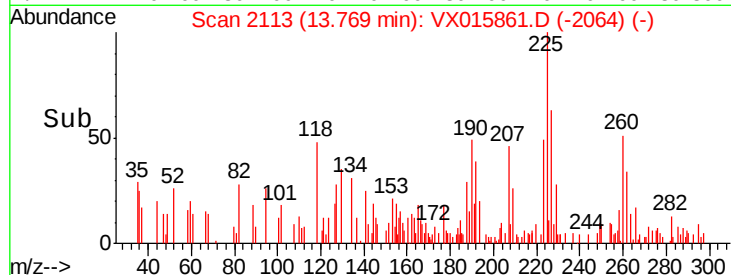
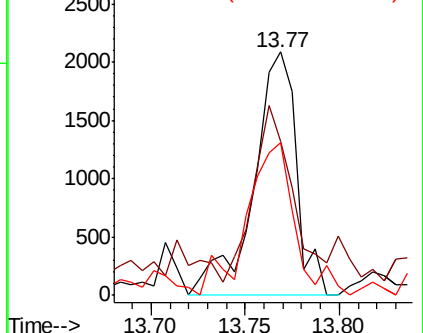
227 70.1 32.6 97.8



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 8.493 ug/l

RT: 13.82 min Scan# 2121

Delta R.T. -0.00 min

Lab File: VX015861.D

Acq: 23 Apr 2020 00:11

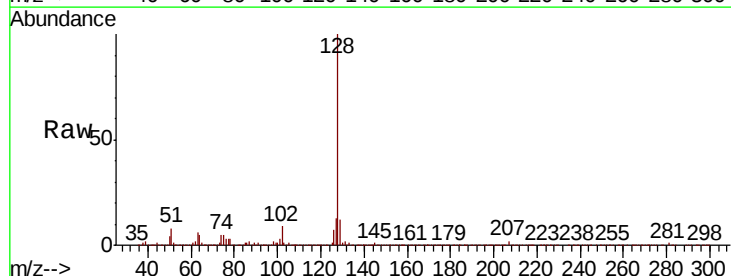
Tgt Ion:128 Resp: 431198

Ion Ratio Lower Upper

128 100

127 13.9 10.5 15.7

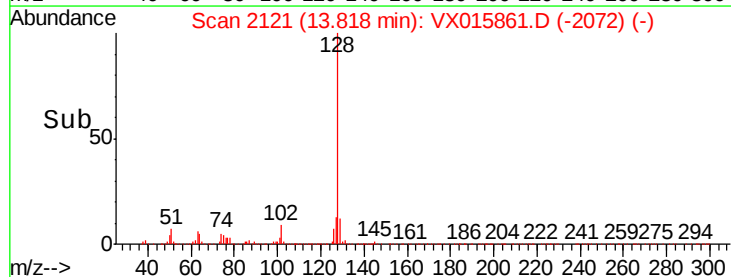
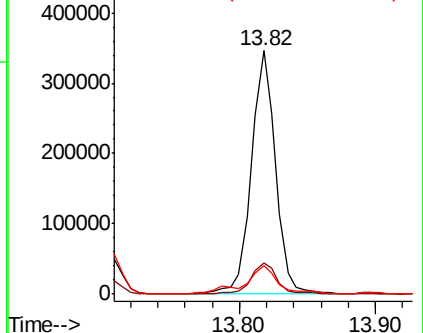
129 15.2 8.5 12.7#

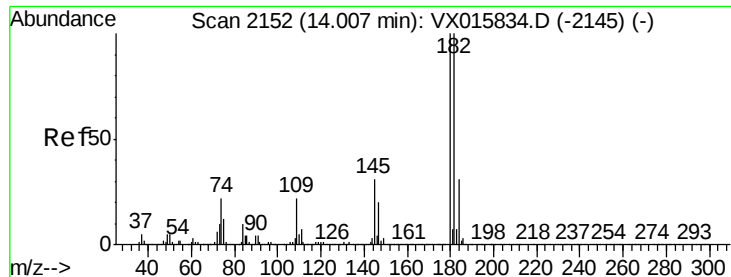


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.268 ug/l
 RT: 14.01 min Scan# 2152
 Delta R.T. -0.00 min
 Lab File: VX015861.D
 Acq: 23 Apr 2020 00:11

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW020-200421

Tot Ion:180 Resp: 4615
 Ion Ratio Lower Upper
 180 100
 182 78.2 47.9 143.7
 145 1116.7 15.2 45.5#

