

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020320\
 Data File : VY001471.D
 Acq On : 03 Feb 2020 14:00
 Operator : SY/MD
 Sample : L1346-05
 Misc : 7.80G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PD-3-(35-37)

Quant Time: Feb 03 14:16:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	95048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	249173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	252802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	176125	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	128679	124.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	248.84%	
35) Dibromofluoromethane	7.74	113	107957	73.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	147.64%	
50) Toluene-d8	10.20	98	996551	175.39	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	350.78%	
62) 4-Bromofluorobenzene	12.48	95	614453	271.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	543.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	1714	1.513	ug/l #	87
11) Tert butyl alcohol	4.99	59	439	Below Cal	#	74
13) Acrolein	3.96	56	234269	3206.647	ug/l #	72
14) Allyl chloride	4.80	41	7547601	4193.878	ug/l #	63
15) Acrylonitrile	5.27	53	667088	2042.649	ug/l #	39
16) Acetone	3.96	43	608378	2294.968	ug/l #	53
17) Carbon Disulfide	4.22	76	35963	11.331	ug/l	96
18) Methyl Acetate	4.80	43	18514317	21227.398	ug/l #	51
19) Methyl tert-butyl Ether	5.27	73	3638	1.231	ug/l #	1
20) Methylene Chloride	4.75	84	11855	5.511	ug/l #	1
23) Vinyl Acetate	6.13	43	47541	19.162	ug/l #	77
24) 1,1-Dichloroethane	6.14	63	16003	7.945	ug/l #	81
25) 2-Butanone	7.01	43	363452	807.375	ug/l #	51
26) 2,2-Dichloropropane	6.83	77	54633	30.449	ug/l #	52
28) Bromochloromethane	7.39	49	2163	2.604	ug/l #	15
29) Tetrahydrofuran	7.38	42	54174	184.975	ug/l #	34
30) Chloroform	7.50	83	2964942	1501.691	ug/l #	18
31) Cyclohexane	7.81	56	6306199	3153.168	ug/l #	53
32) 1,1,1-Trichloroethane	7.72	97	3113	1.867	ug/l #	1
36) 1,1-Dichloropropene	7.91	75	3905	1.659	ug/l #	1
37) Ethyl Acetate	7.01	43	363452	252.701	ug/l #	68
38) Carbon Tetrachloride	7.83	117	11531	5.496	ug/l #	17
39) Methylcyclohexane	9.21	83	12640017	4191.455	ug/l	95
41) Methacrylonitrile	7.39	41	634356	854.699	ug/l #	100
42) 1,2-Dichloroethane	8.30	62	36958	18.739	ug/l #	1
43) Isopropyl Acetate	8.30	43	4769941	1705.573	ug/l #	53
45) 1,2-Dichloropropane	9.22	63	204852	114.806	ug/l #	1
46) Dibromomethane	9.35	93	4523	4.722	ug/l #	1
47) Bromodichloromethane	9.51	83	2782769	1215.206	ug/l #	26
48) Methyl methacrylate	9.27	41	2647081	2082.045	ug/l #	40
49) 1,4-Dioxane	9.27	88	83	6.144	ug/l #	1
51) 4-Methyl-2-Pentanone	10.14	43	832710	578.170	ug/l #	72
52) Toluene	10.26	92	21186	4.735	ug/l #	1
54) cis-1,3-Dichloropropene	9.89	75	5814	1.996	ug/l #	1

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

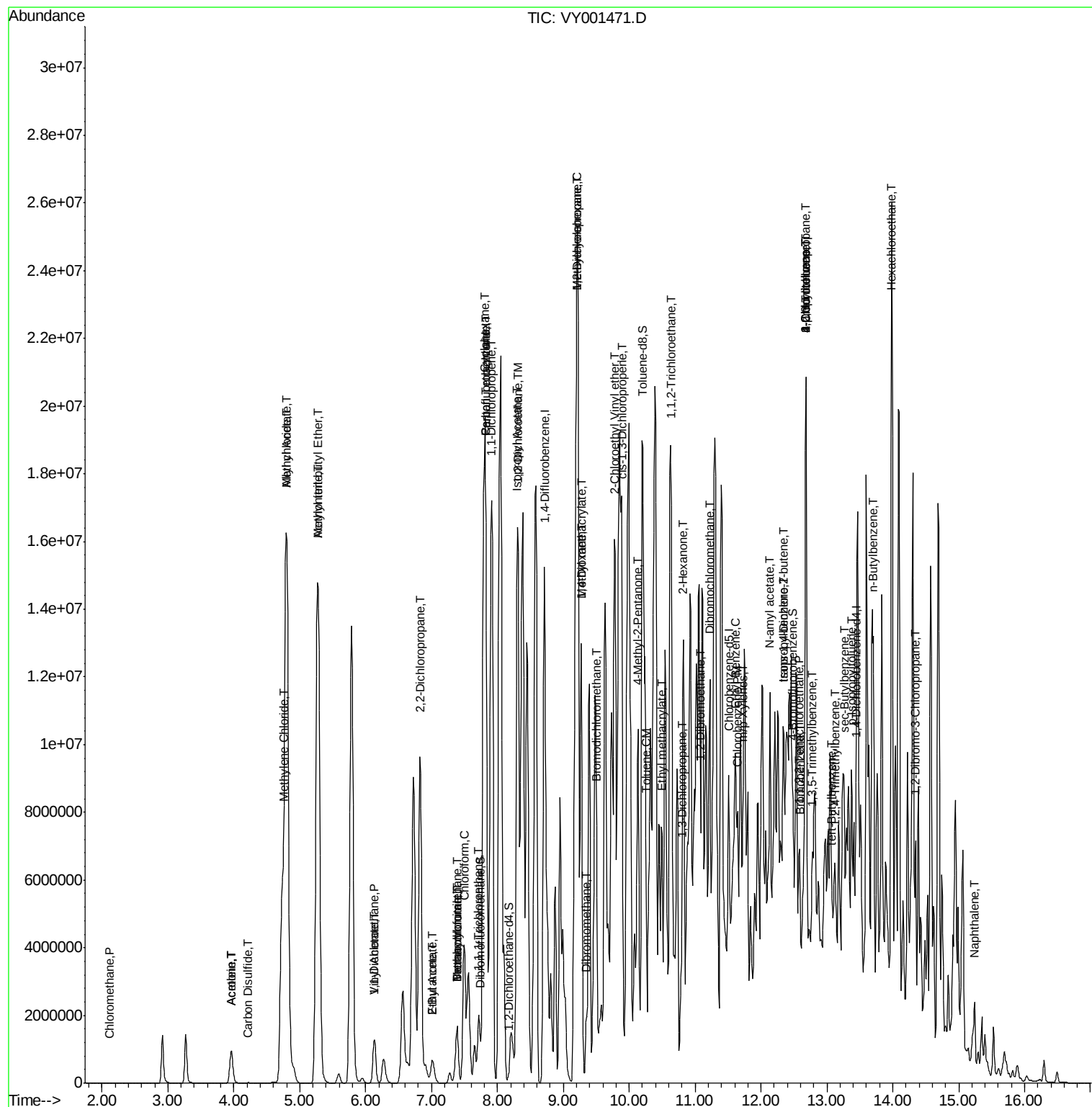
55) 1,1,2-Trichloroethane	10.64	97	4565855	3229.288	ug/l #	20
56) Ethyl methacrylate	10.50	69	688201	322.043	ug/l #	64
57) 1,3-Dichloropropane	10.80	76	2882	1.170	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.78	63	54476	73.669	ug/l #	47
59) 2-Hexanone	10.82	43	5013658	5000.350	ug/l #	29
60) Dibromochloromethane	11.22	129	7341	4.642	ug/l	74
61) 1,2-Dibromoethane	11.08	107	34172	25.566	ug/l #	1
65) Chlorobenzene	11.64	112	89625	16.819	ug/l #	42
67) Ethyl Benzene	11.61	91	757351	77.122	ug/l	96
68) m/p-Xylenes	11.72	106	61136	16.669	ug/l	95
73) Isopropylbenzene	12.34	105	4141472	297.997	ug/l	100
74) N-amyl acetate	12.14	43	2131875	468.627	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.58	83	142431	47.854	ug/l #	1
76) 1,2,3-Trichloropropane	12.69	75	122238	57.596	ug/l #	100
77) Bromobenzene	12.59	156	4409	1.432	ug/l #	1
78) n-propylbenzene	12.68	91	15326389	916.215	ug/l	92
79) 2-Chlorotoluene	12.68	91	15326389	1603.793	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.78	105	2055766	177.209	ug/l	72
81) trans-1,4-Dichloro-2-buten	12.34	75	49250	43.914	ug/l #	1
82) 4-Chlorotoluene	12.68	91	15326389	1501.438	ug/l #	42
83) tert-Butylbenzene	13.08	119	37459	3.831	ug/l #	26
84) 1,2,4-Trimethylbenzene	13.13	105	740580	63.586	ug/l	99
85) sec-Butylbenzene	13.27	105	3057490	220.070	ug/l #	52
86) p-Isopropyltoluene	13.38	119	706984	57.745	ug/l	92
89) n-Butylbenzene	13.70	91	6362562	516.363	ug/l #	78
90) Hexachloroethane	13.98	117	1596686	688.006	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.34	75	12985	25.282	ug/l #	1
95) Naphthalene	15.24	128	1433560	170.852	ug/l	98

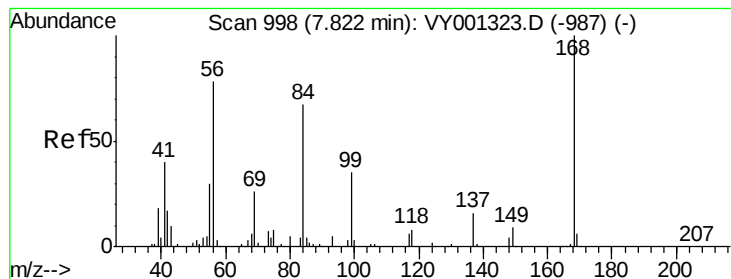
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

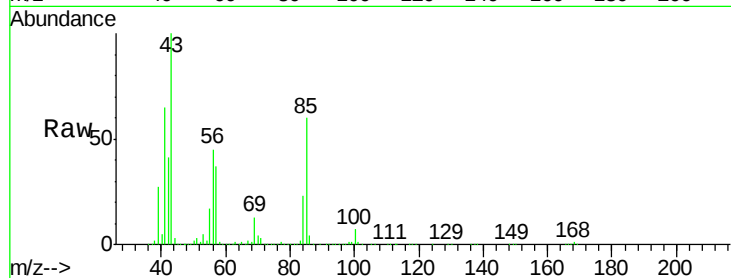
PD-3-(35-37)

Tot Ion:168 Resp: 95048

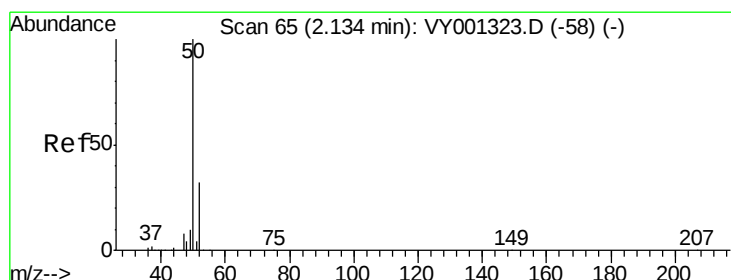
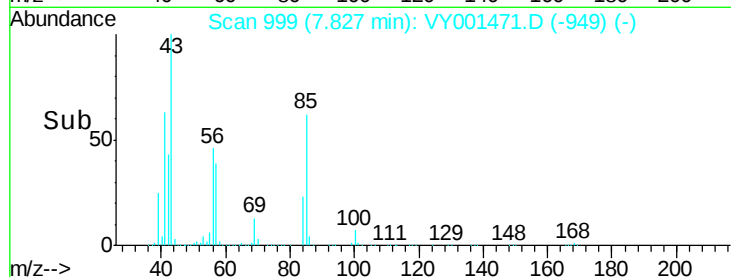
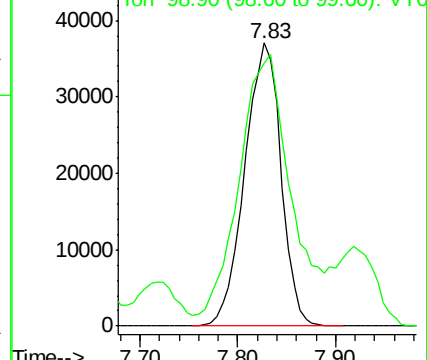
Ion Ratio Lower Upper

168 100

99 88.7 44.3 66.5#



Abundance Ion 167.90 (167.60 to 168.60): VY001471.D (-949) (-)



#3

Chloromethane

Concen: 1.513 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.02 min

Lab File: VY001471.D

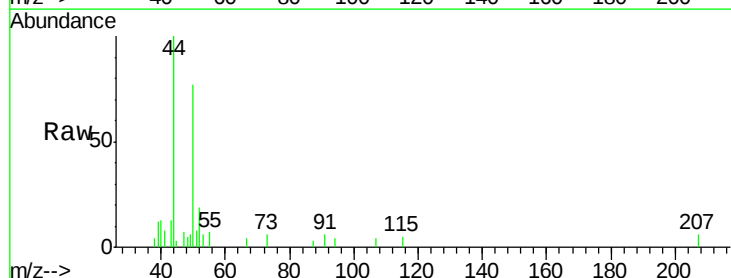
Acq: 03 Feb 2020 14:00

Tgt Ion: 50 Resp: 1714

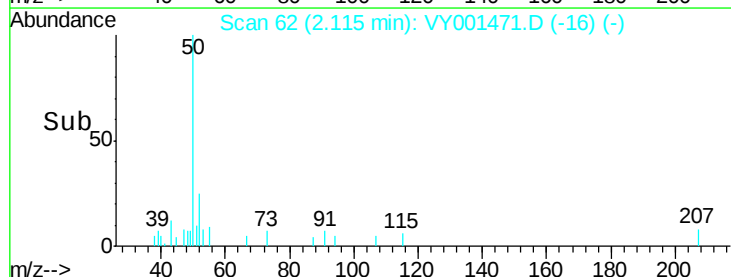
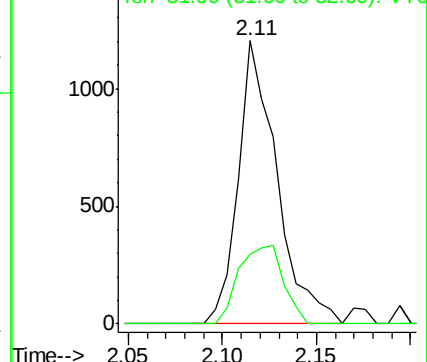
Ion Ratio Lower Upper

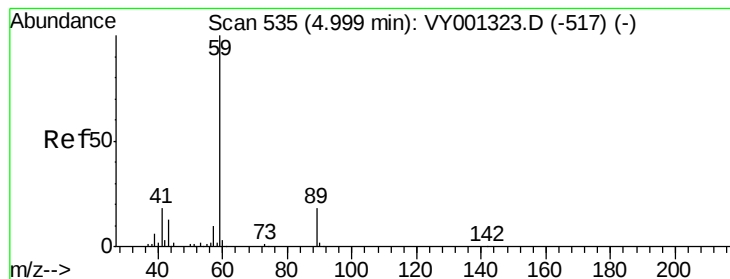
50 100

52 24.8 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VY001471.D (-16) (-)



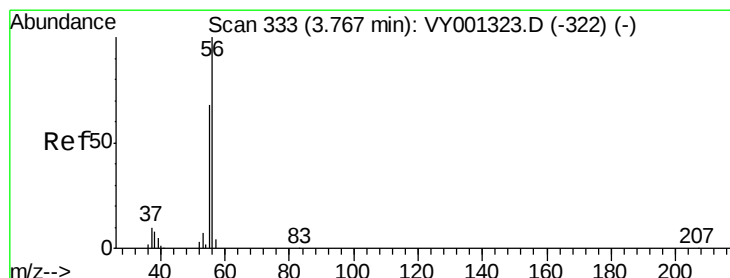
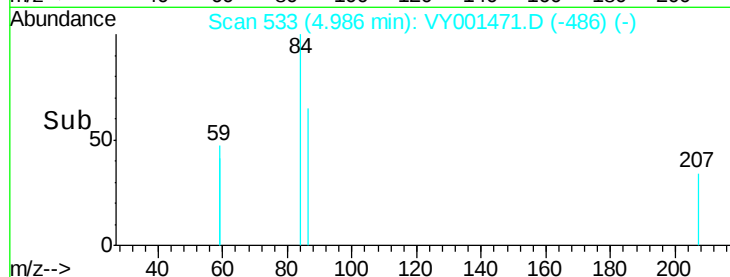
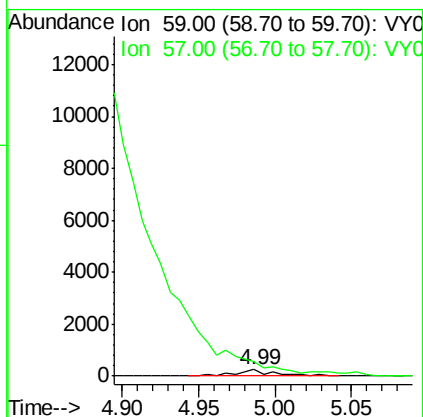
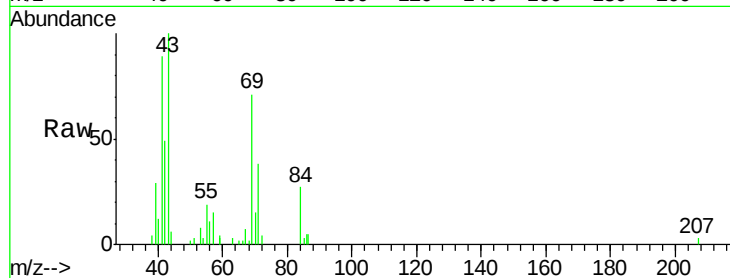


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.99 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VY001471.D
 Acq: 03 Feb 2020 14:00

Instrument :
 MSVOA_Y
 ClientSampleId :
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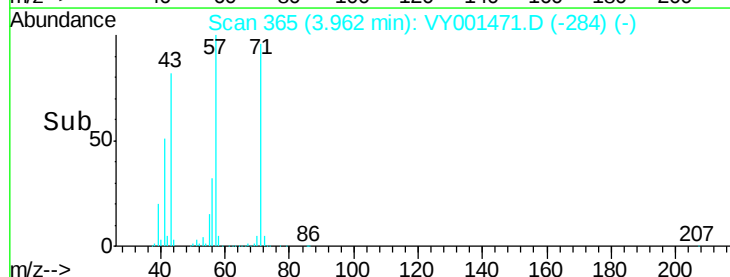
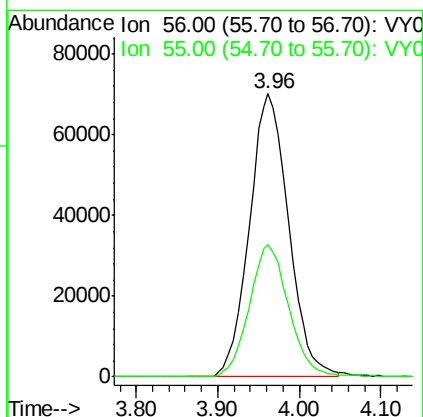
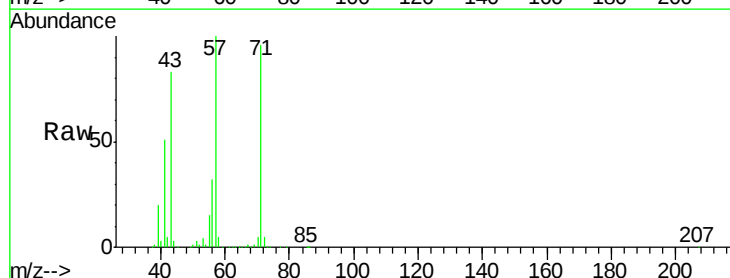
Tot Ion: 59 Resp: 439
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

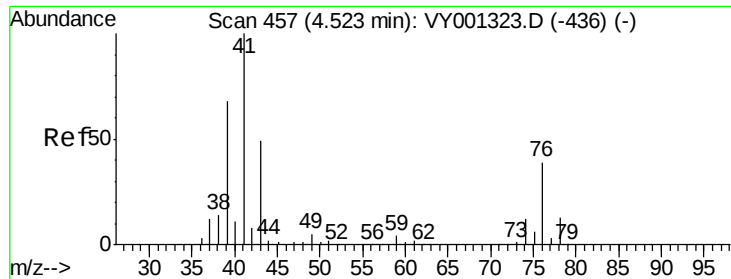


#13

Acrolein
 Concen: 3206.647 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.19 min
 Lab File: VY001471.D
 Acq: 03 Feb 2020 14:00

Tgt Ion: 56 Resp: 234269
 Ion Ratio Lower Upper
 56 100
 55 46.8 55.9 83.9#

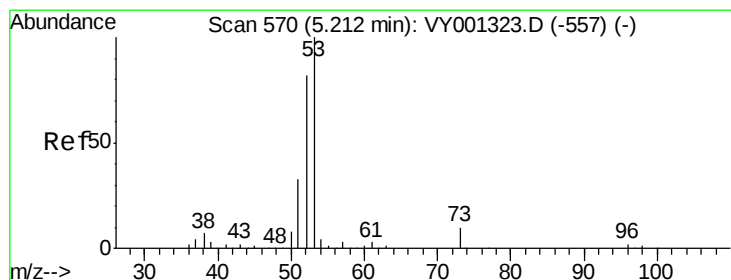
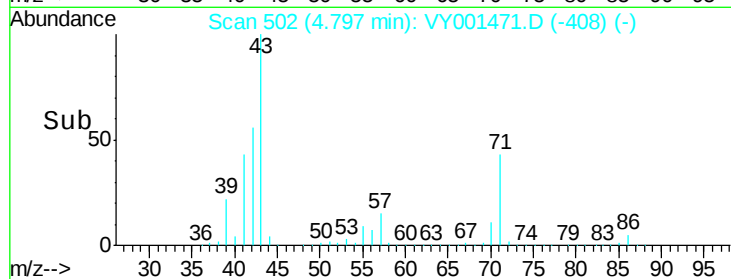
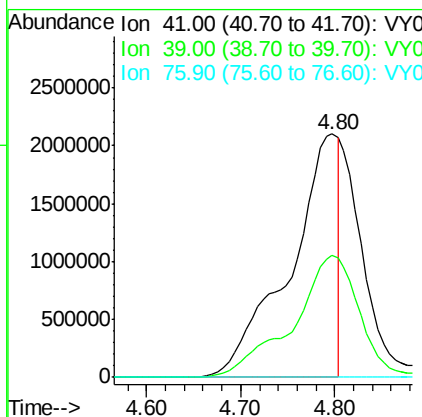
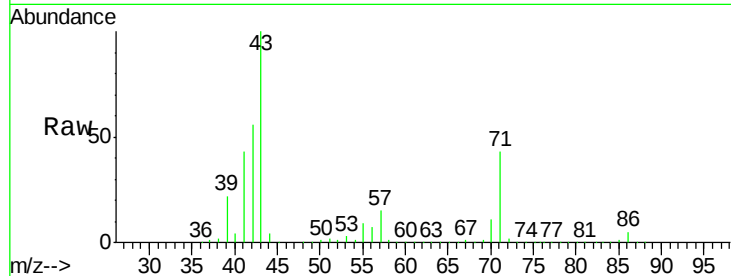




#14
Allvl chloride
Concen: 4193.878 ug/l
RT: 4.80 min Scan# 502
Delta R.T. 0.27 min
Lab File: VY001471.D
Acq: 03 Feb 2020 14:00

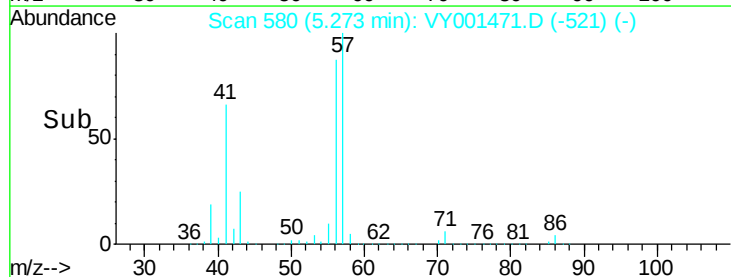
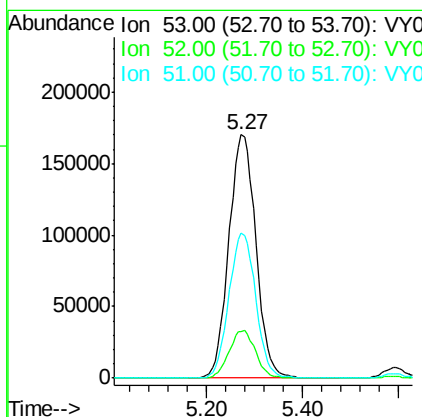
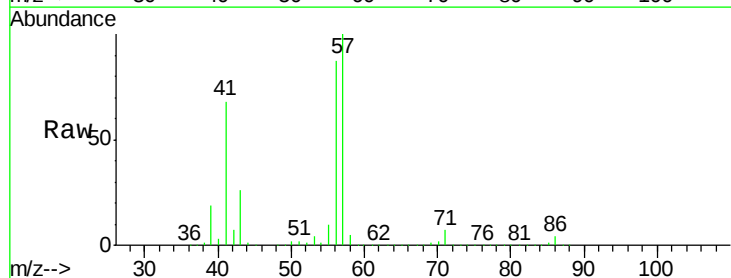
Instrument :
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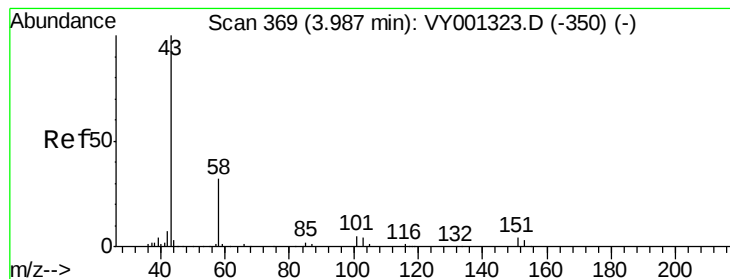
Tot Ion: 41 Resp: 7547601
Ion Ratio Lower Upper
41 100
39 47.1 52.2 78.4#
76 0.0 29.1 43.7#



#15
Acrylonitrile
Concen: 2042.649 ug/l
RT: 5.27 min Scan# 580
Delta R.T. 0.06 min
Lab File: VY001471.D
Acq: 03 Feb 2020 14:00

Tgt Ion: 53 Resp: 667088
Ion Ratio Lower Upper
53 100
52 19.4 65.3 97.9#
51 59.0 28.4 42.6#





#16

Acetone

Concen: 2294.968 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.02 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

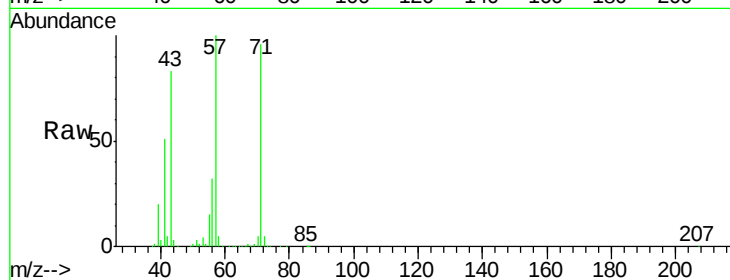
PD-3-(35-37)

Tot Ion: 43 Resp: 608378

Ion Ratio Lower Upper

43 100

58 5.9 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

200000

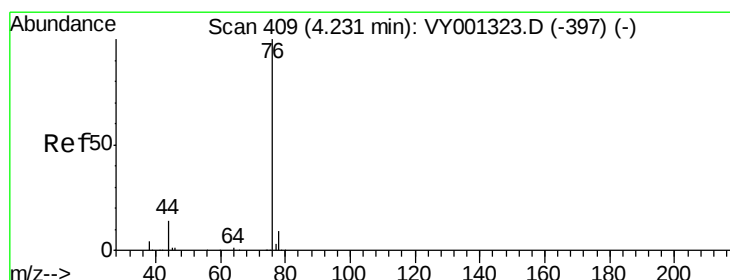
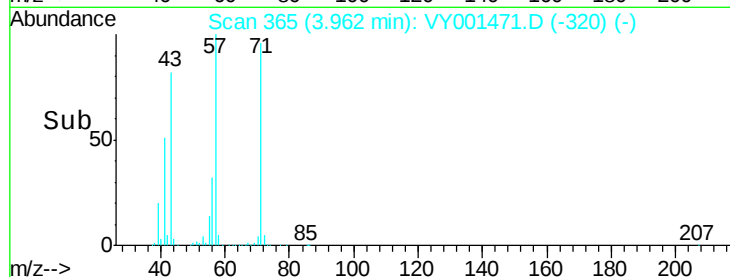
150000

100000

50000

0

Time-->



#17

Carbon Disulfide

Concen: 11.331 ug/l

RT: 4.22 min Scan# 407

Delta R.T. -0.01 min

Lab File: VY001471.D

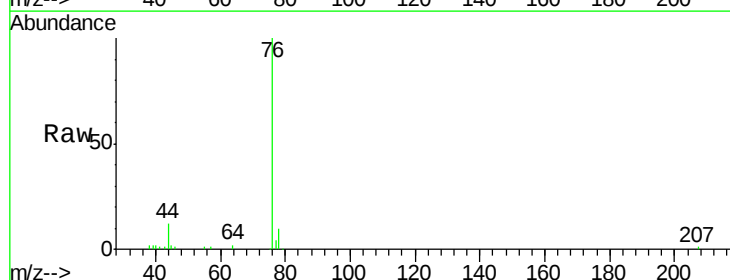
Acq: 03 Feb 2020 14:00

Tgt Ion: 76 Resp: 35963

Ion Ratio Lower Upper

76 100

78 10.3 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.22

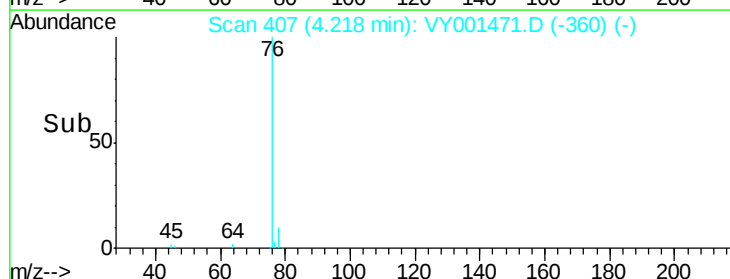
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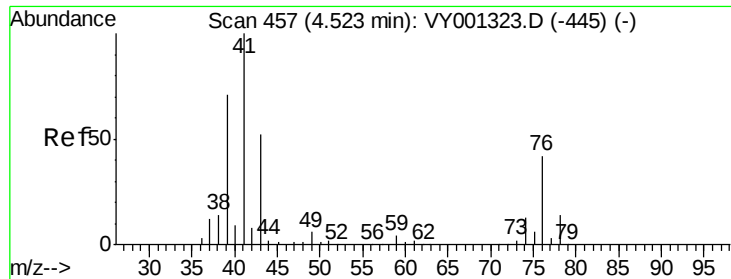
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5000

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Time-->

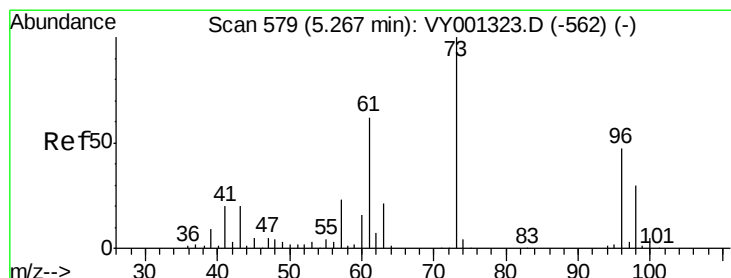
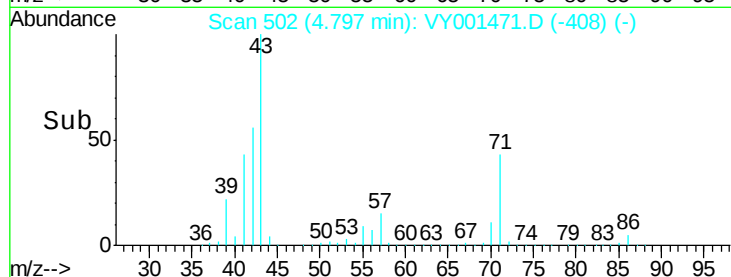
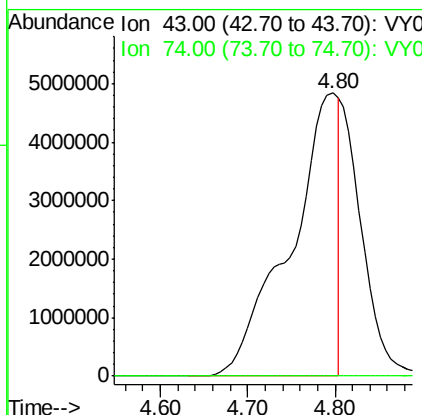
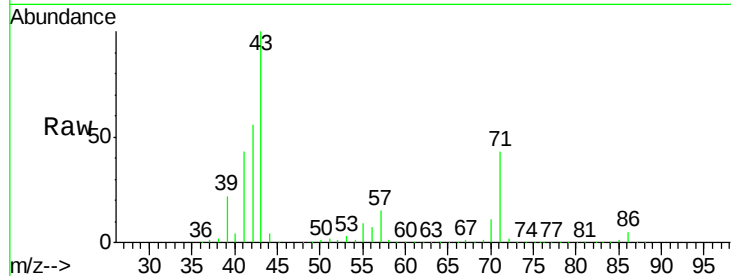




#18
Methyl Acetate
Concen: 21227.398 ug/l
RT: 4.80 min Scan# 502
Delta R.T. 0.27 min
Lab File: VY001471.D
Acq: 03 Feb 2020 14:00

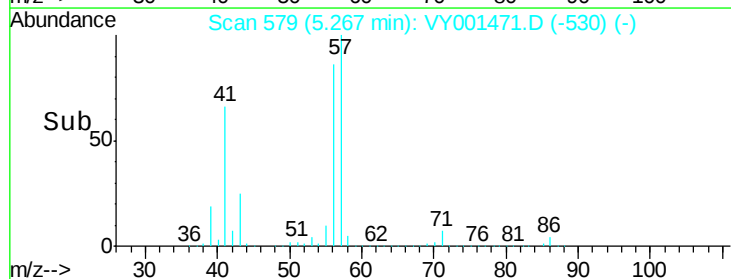
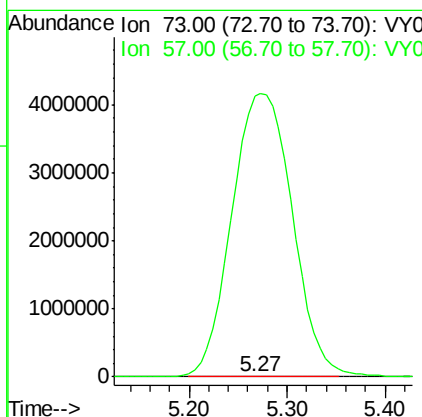
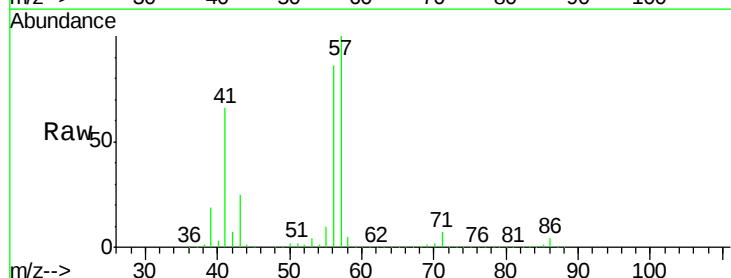
Instrument :
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PD-3-(35-37)

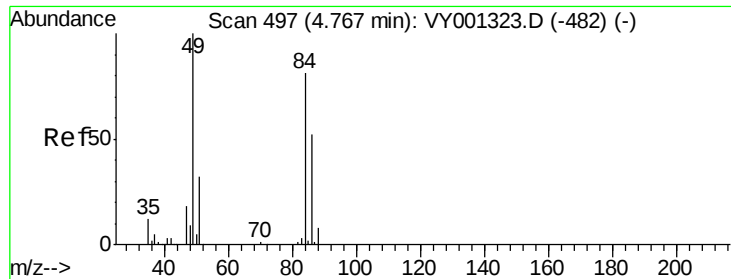
Tot Ion: 43 Resp:18514317
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#19
Methyl tert-butyl Ether
Concen: 1.231 ug/l
RT: 5.27 min Scan# 579
Delta R.T. -0.00 min
Lab File: VY001471.D
Acq: 03 Feb 2020 14:00

Tgt Ion: 73 Resp: 3638
Ion Ratio Lower Upper
73 100
57 474400.9 18.2 27.2#

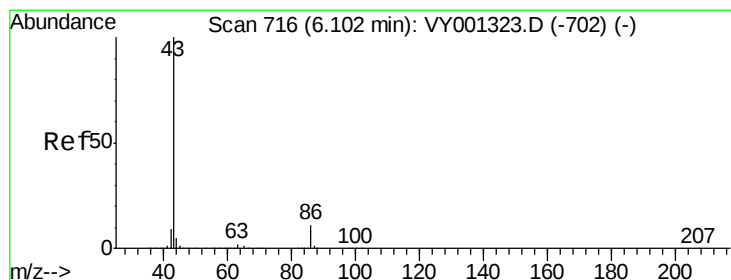
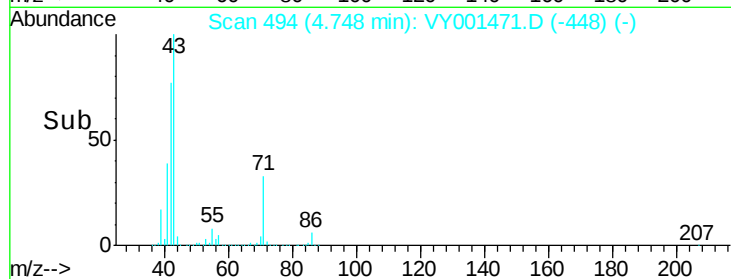
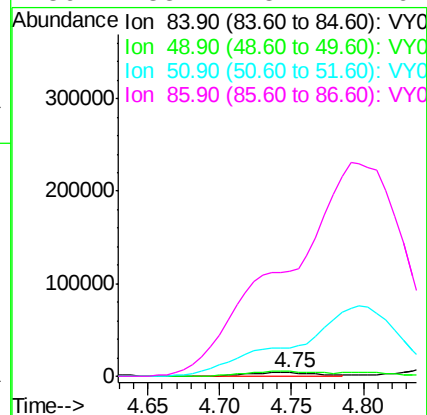
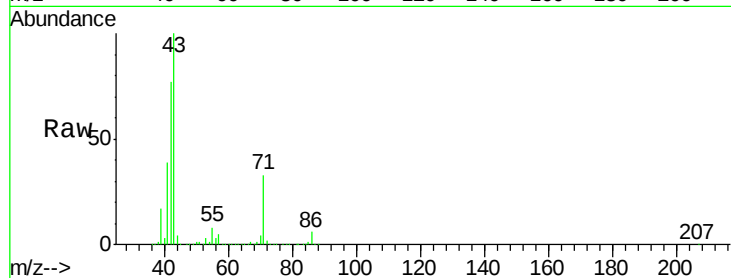




#20
Methvlene Chloride
Concen: 5.511 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.02 min
Lab File: VY001471.D
Acq: 03 Feb 2020 14:00

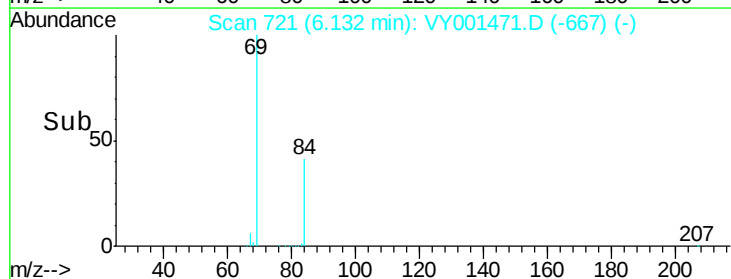
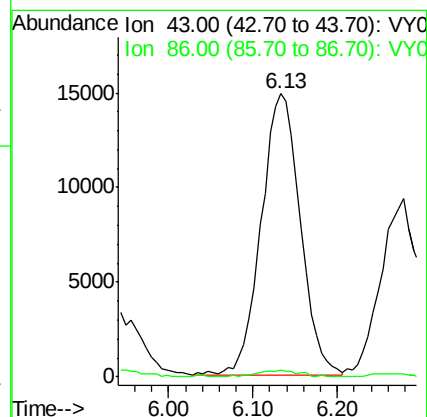
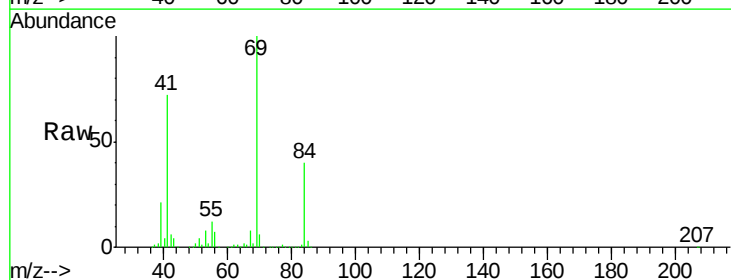
Instrument :
MSVOA_Y
ClientSampled :
PD-3-(35-37)

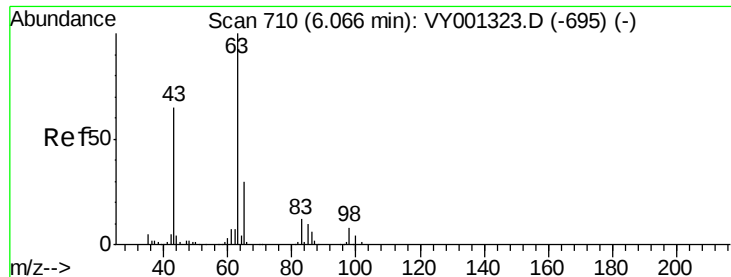
Tot Ion: 84 Resp: 11855
Ion Ratio Lower Upper
84 100
49 137.8 98.3 147.5
51 743.5 31.6 47.4#
86 2785.7 51.1 76.7#



#23
Vinyl Acetate
Concen: 19.162 ug/l
RT: 6.13 min Scan# 721
Delta R.T. 0.03 min
Lab File: VY001471.D
Acq: 03 Feb 2020 14:00

Tgt Ion: 43 Resp: 47541
Ion Ratio Lower Upper
43 100
86 2.3 8.6 13.0#





#24

1,1-Dichloroethane

Concen: 7.945 ug/l

RT: 6.14 min Scan# 722

Delta R.T. 0.07 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

PD-3-(35-37)

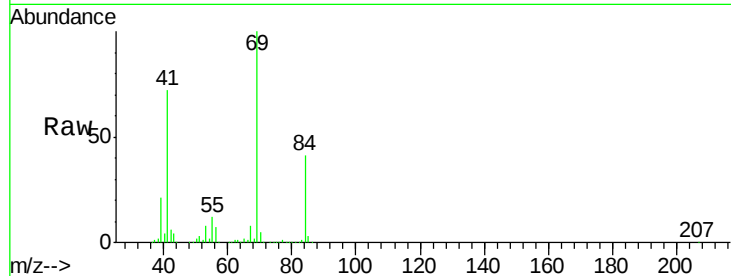
Tot Ion: 63 Resp: 16003

Ion Ratio Lower Upper

63 100

98 0.0 4.0 12.0#

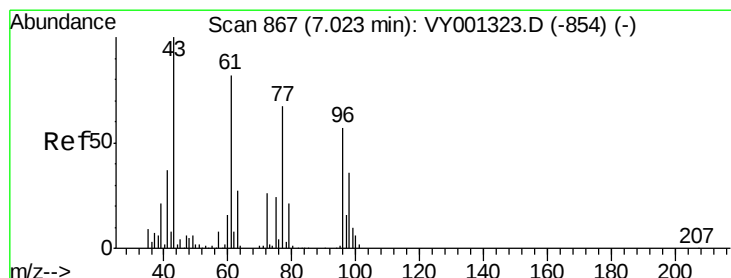
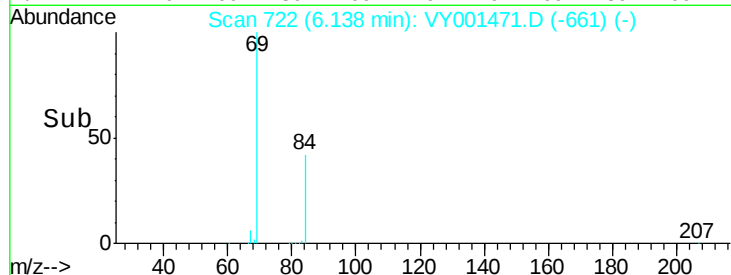
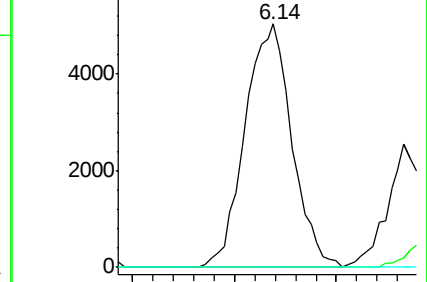
100 0.0 2.1 6.3#



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0



#25

2-Butanone

Concen: 807.375 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001471.D

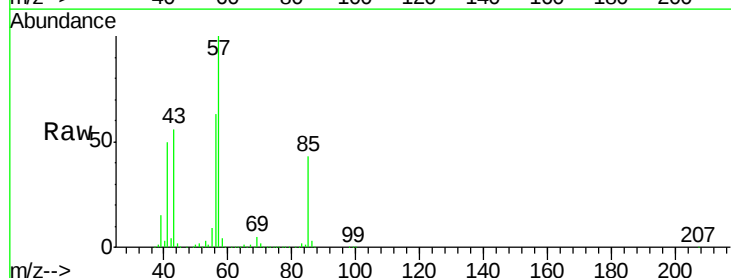
Acq: 03 Feb 2020 14:00

Tgt Ion: 43 Resp: 363452

Ion Ratio Lower Upper

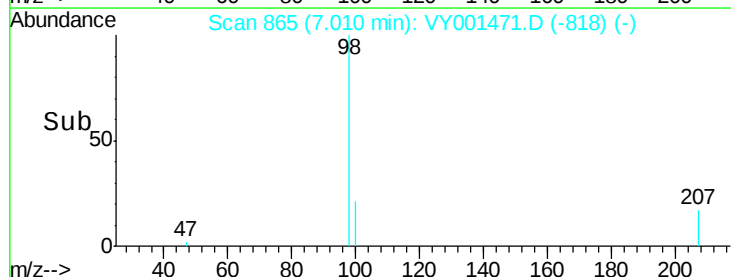
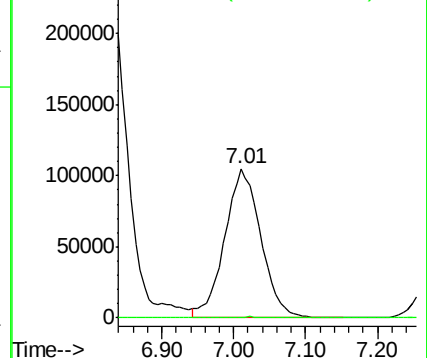
43 100

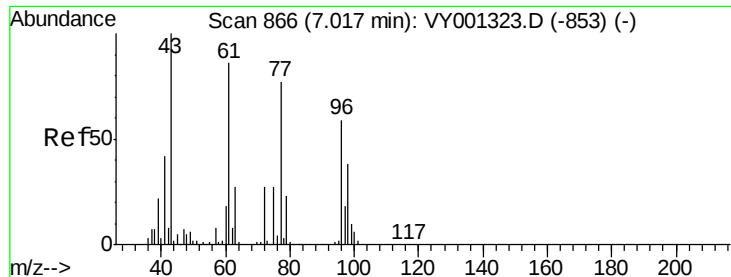
72 0.7 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

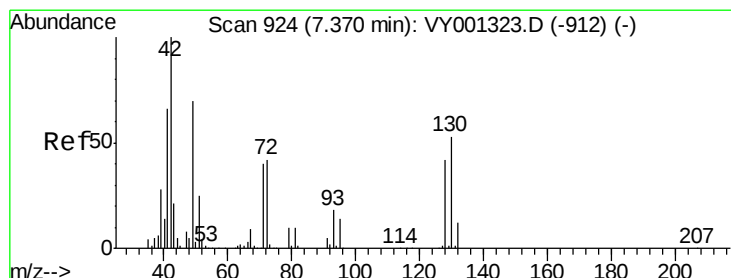
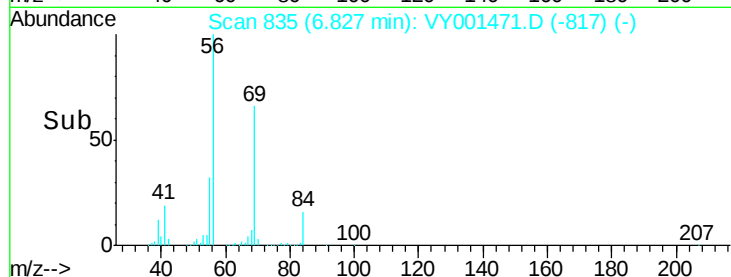
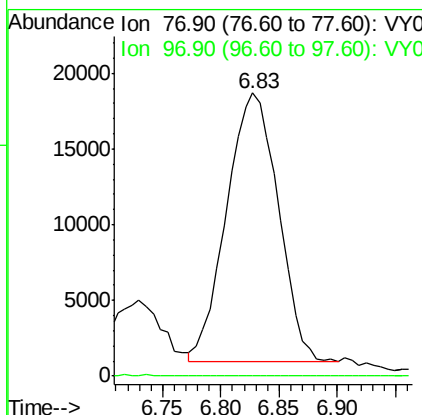
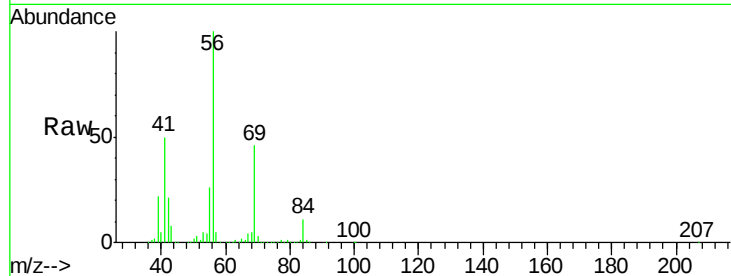




#26
 2,2-Dichloropropane
 Concen: 30.449 ug/l
 RT: 6.83 min Scan# 835
 Delta R.T. -0.19 min
 Lab File: VY001471.D
 Acq: 03 Feb 2020 14:00

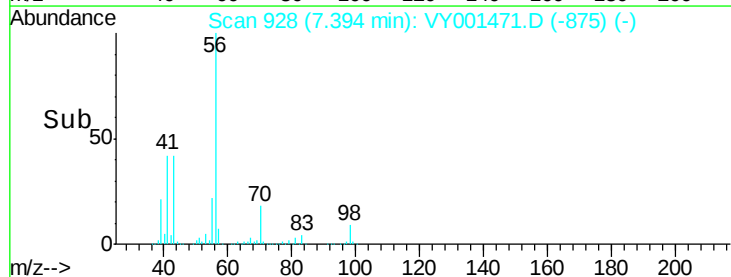
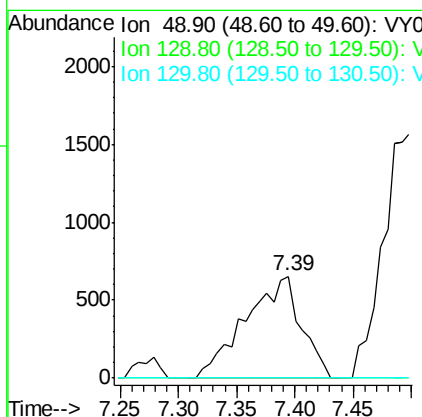
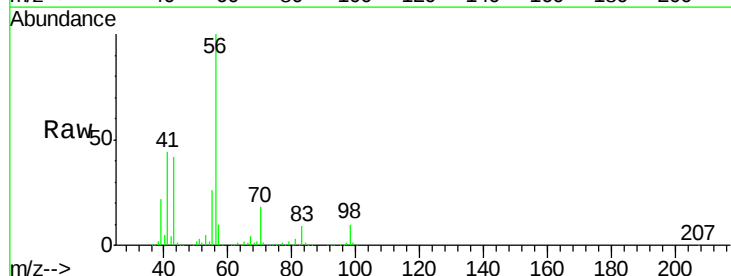
Instrument :
 MSVOA_Y
 ClientSampleId :
 PD-3-(35-37)

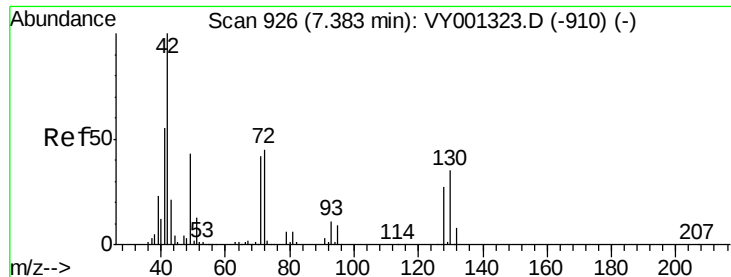
Tot Ion: 77 Resp: 54633
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.9 35.5#



#28
 Bromochloromethane
 Concen: 2.604 ug/l
 RT: 7.39 min Scan# 928
 Delta R.T. 0.02 min
 Lab File: VY001471.D
 Acq: 03 Feb 2020 14:00

Tgt Ion: 49 Resp: 2163
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.0
 130 0.0 58.9 88.3#





#29

Tetrahydrofuran

Concen: 184.975 ug/l

RT: 7.38 min Scan# 926

Delta R.T. -0.00 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

PD-3-(35-37)

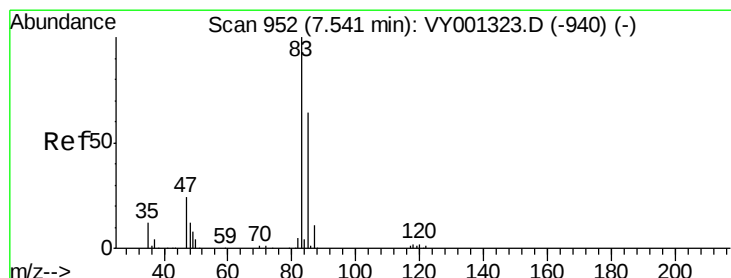
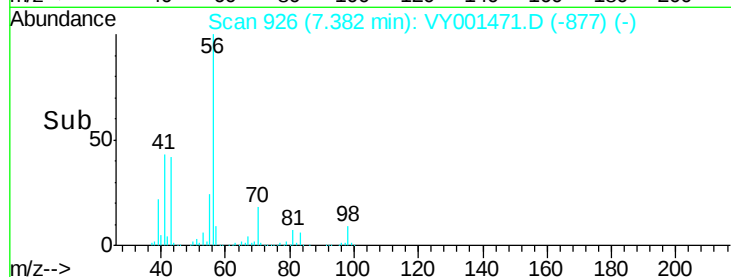
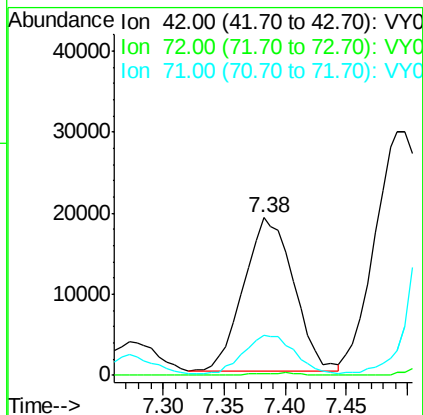
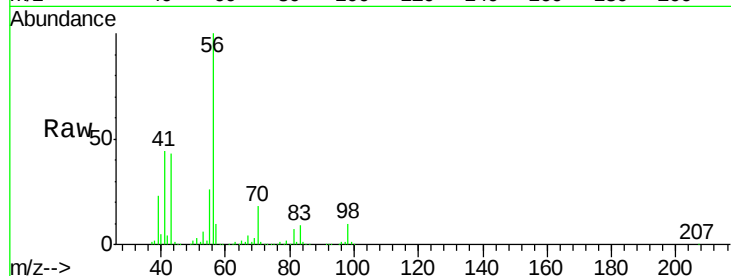
Tot Ion: 42 Resp: 54174

Ion Ratio Lower Upper

42 100

72 0.0 34.6 51.8#

71 0.0 32.6 48.8#



#30

Chloroform

Concen: 1501.691 ug/l

RT: 7.50 min Scan# 945

Delta R.T. -0.04 min

Lab File: VY001471.D

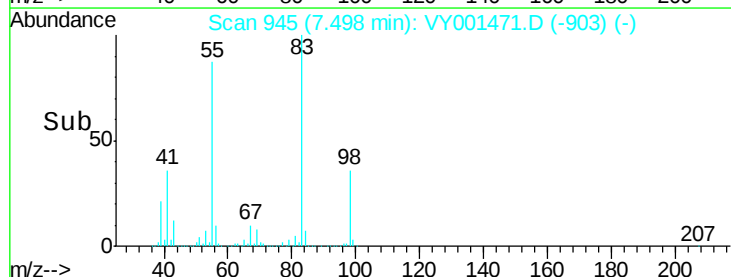
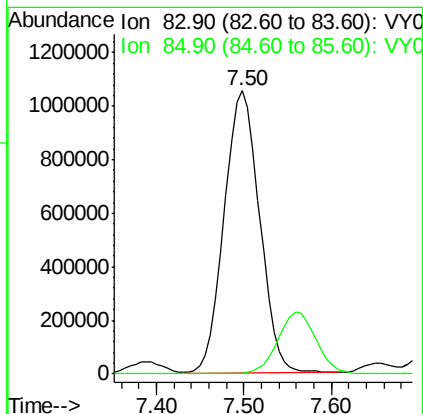
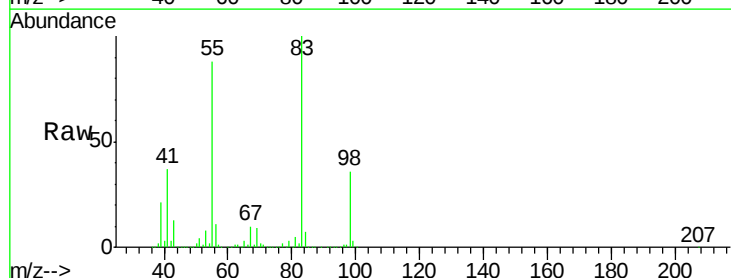
Acq: 03 Feb 2020 14:00

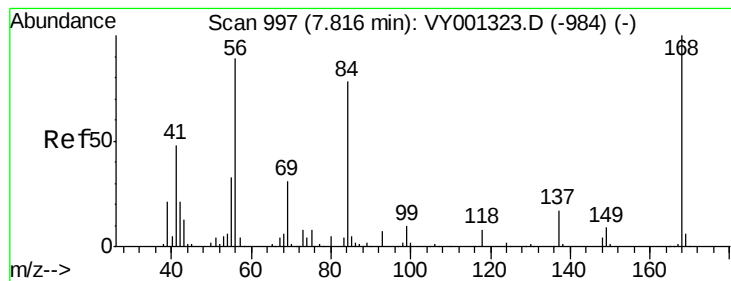
Tgt Ion: 83 Resp: 2964942

Ion Ratio Lower Upper

83 100

85 0.3 51.5 77.3#





#31

Cyclohexane

Concen: 3153.168 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

PD-3-(35-37)

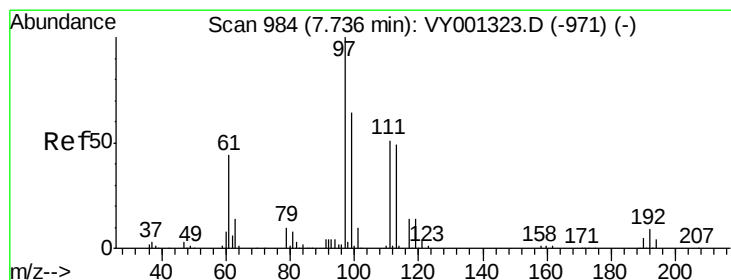
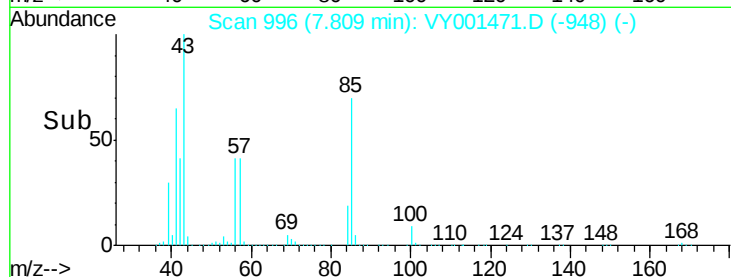
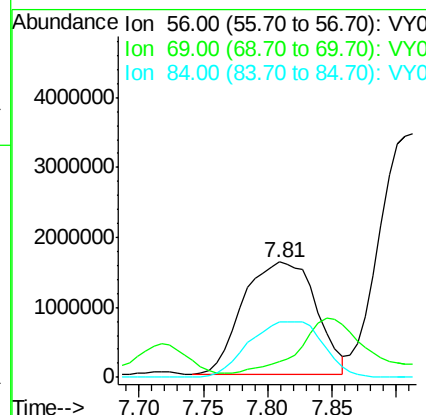
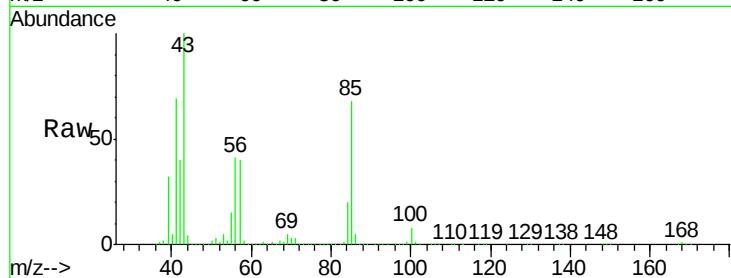
Tot Ion: 56 Resp: 6306199

Ion Ratio Lower Upper

56 100

69 0.0 27.6 41.4#

84 48.9 69.7 104.5#



#32

1,1,1-Trichloroethane

Concen: 1.867 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

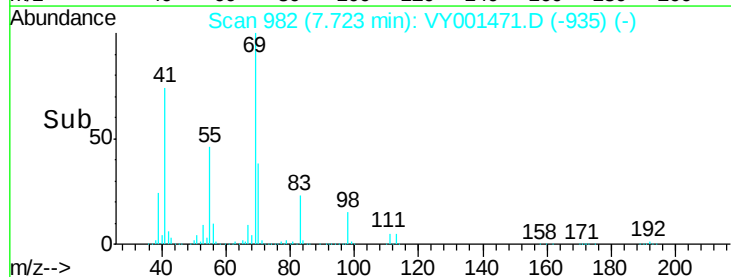
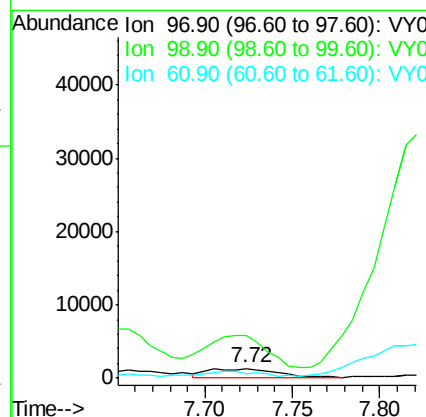
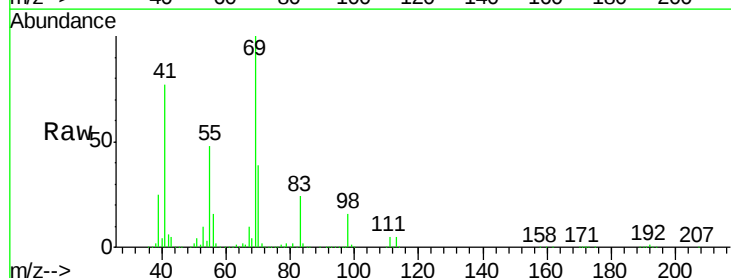
Tgt Ion: 97 Resp: 3113

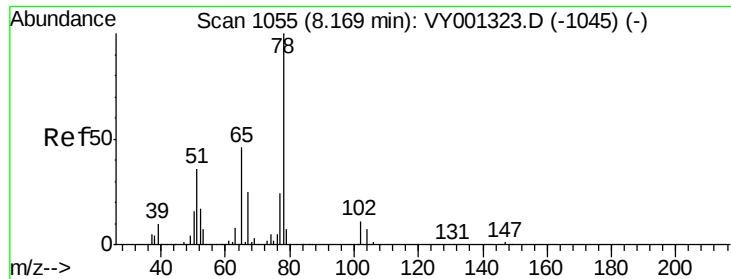
Ion Ratio Lower Upper

97 100

99 467.1 51.3 76.9#

61 63.0 35.9 53.9#

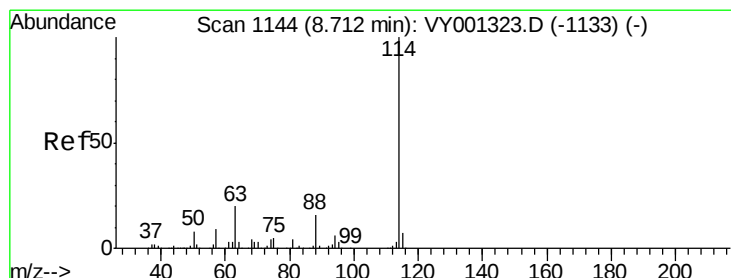
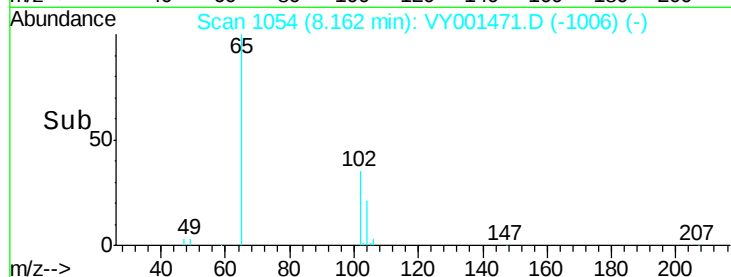
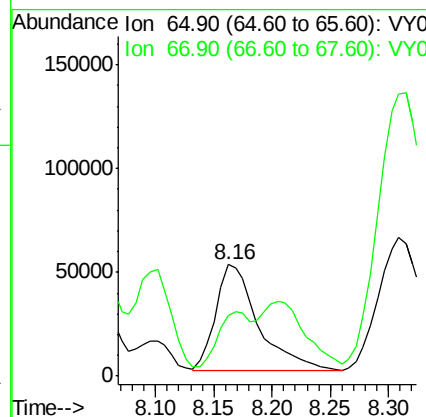
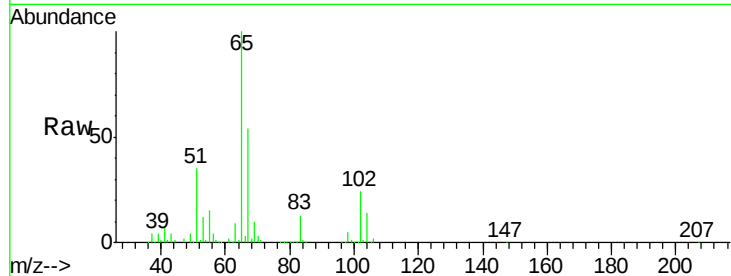




#33
 1,2-Dichloroethane-d4
 Concen: 124.417 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001471.D
 Acq: 03 Feb 2020 14:00

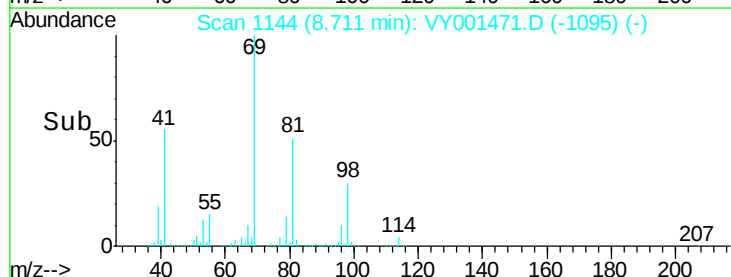
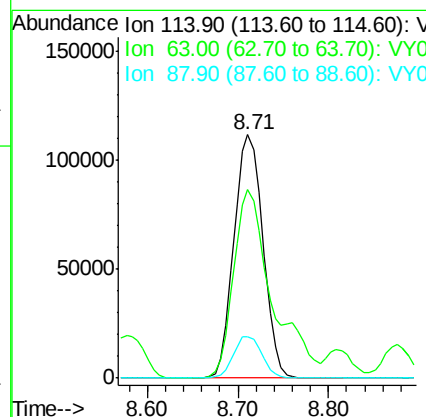
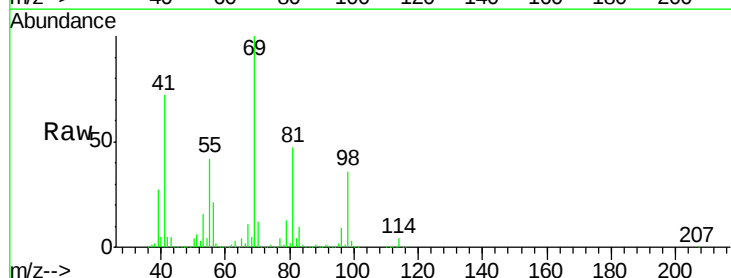
Instrument :
 MSVOA_Y
 ClientSampled :
 PD-3-(35-37)

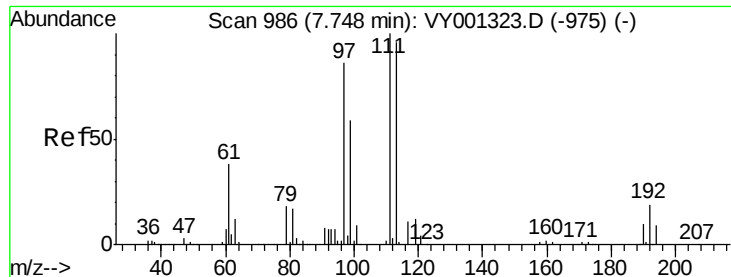
Tot Ion: 65 Resp: 128679
 Ion Ratio Lower Upper
 65 100
 67 36.7 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY001471.D
 Acq: 03 Feb 2020 14:00

Tgt Ion: 114 Resp: 249173
 Ion Ratio Lower Upper
 114 100
 63 77.2 0.0 40.8#
 88 17.1 0.0 31.0

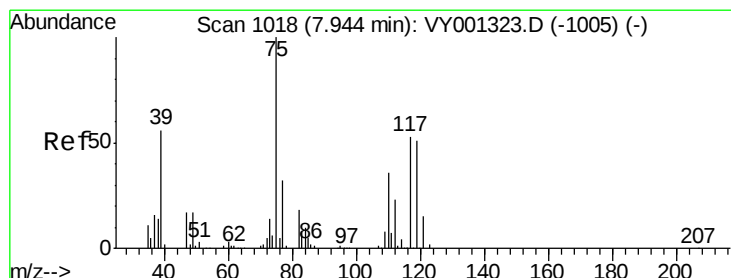
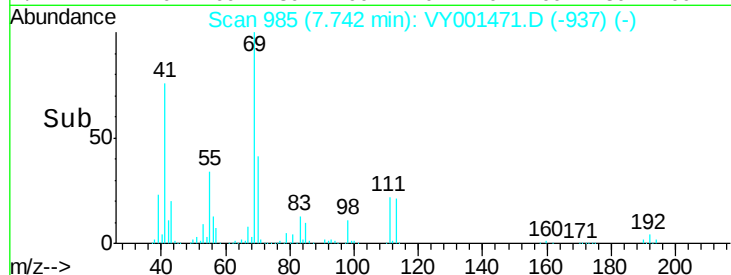
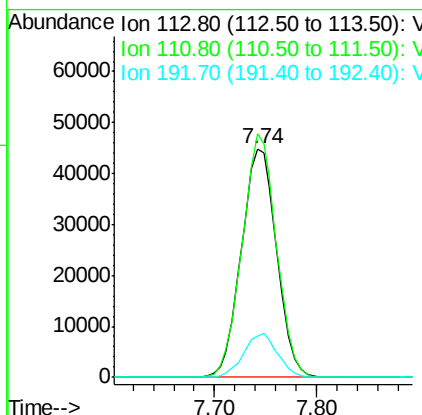
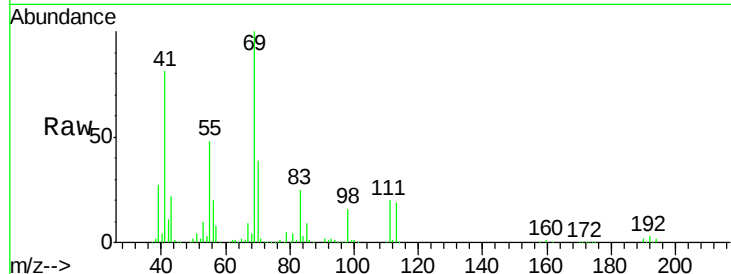




#35
 Dibromofluoromethane
 Concen: 73.820 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001471.D
 Acq: 03 Feb 2020 14:00

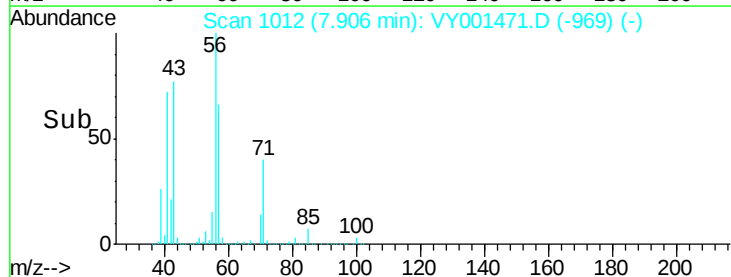
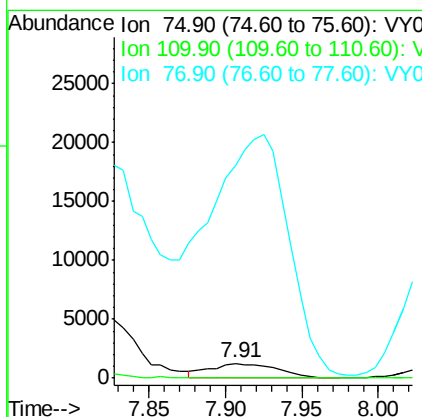
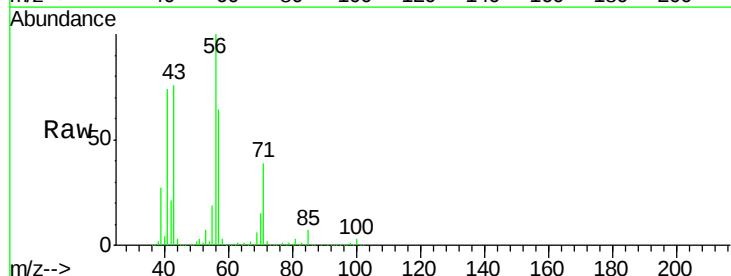
Instrument :
 MSVOA_Y
 ClientSampleId :
 PD-3-(35-37)

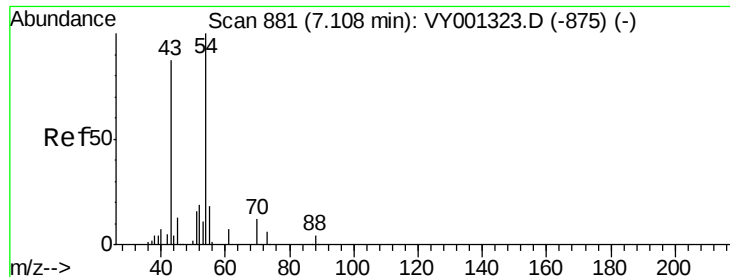
Tot Ion:113 Resp: 107957
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.8 124.2
 192 18.5 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 1.659 ug/l
 RT: 7.91 min Scan# 1012
 Delta R.T. -0.04 min
 Lab File: VY001471.D
 Acq: 03 Feb 2020 14:00

Tgt Ion: 75 Resp: 3905
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.6 52.8#
 77 1899.9 24.7 37.1#

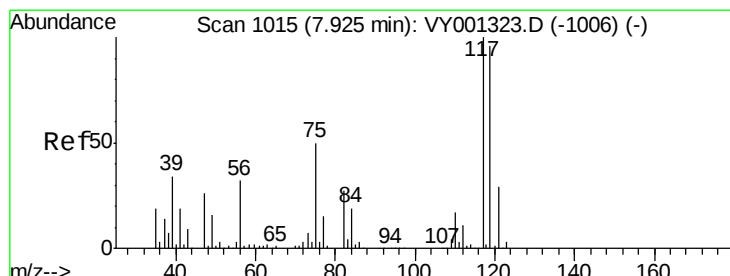
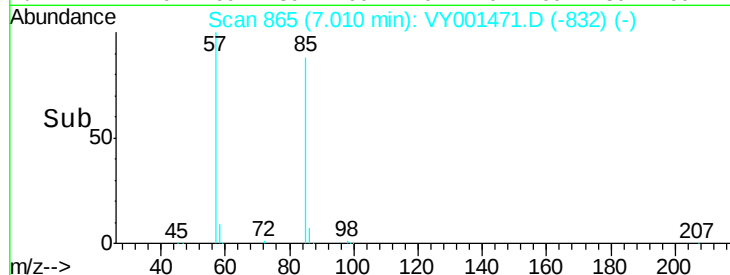
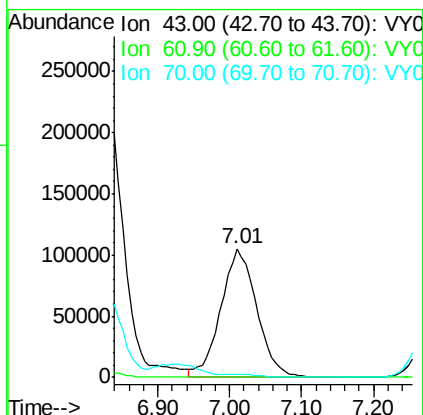
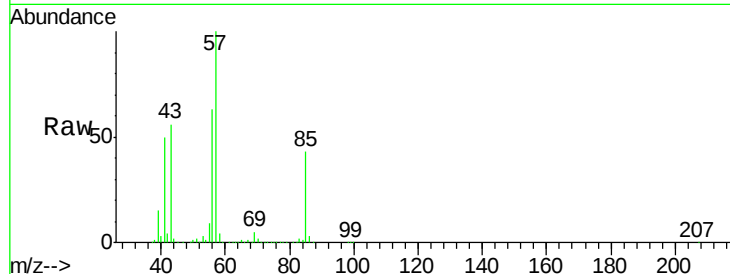




#37
Ethyl Acetate
Concen: 252.701 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.10 min
Lab File: VY001471.D
Acq: 03 Feb 2020 14:00

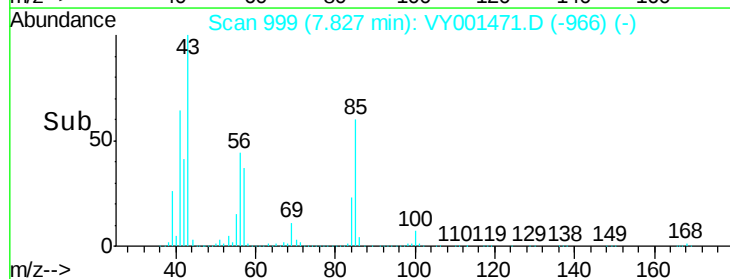
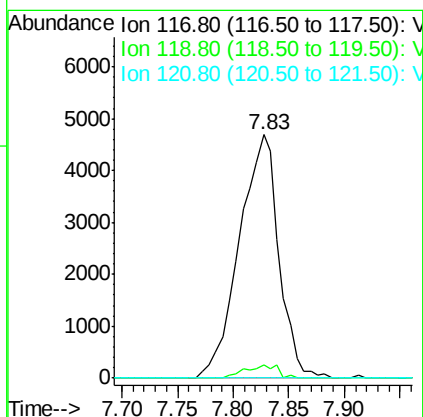
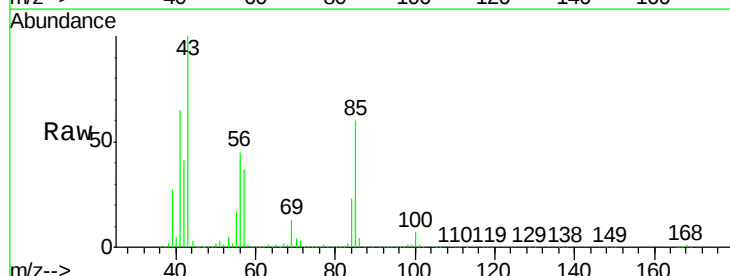
Instrument :
MSVOA_Y
ClientSampleId :
PD-3-(35-37)

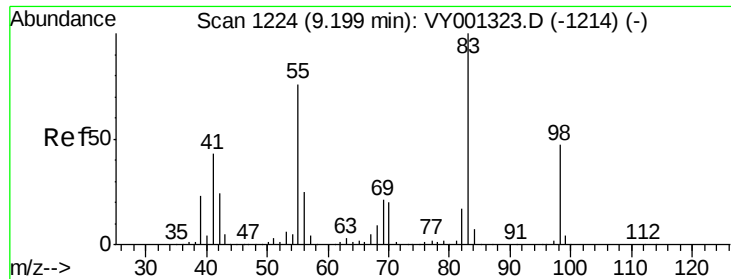
Tot Ion: 43 Resp: 363452
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.496 ug/l
RT: 7.83 min Scan# 999
Delta R.T. -0.10 min
Lab File: VY001471.D
Acq: 03 Feb 2020 14:00

Tgt Ion: 117 Resp: 11531
Ion Ratio Lower Upper
117 100
119 5.6 76.3 114.5#
121 0.0 23.5 35.3#

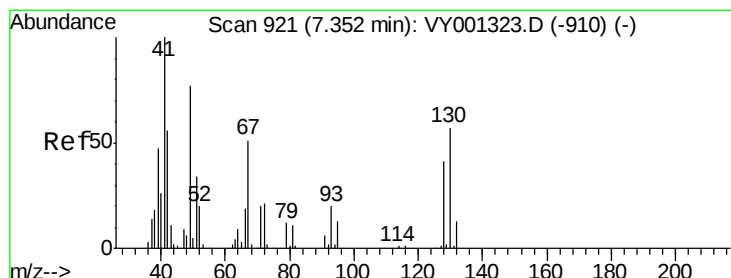
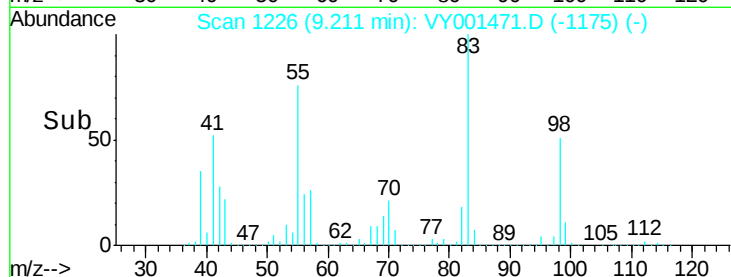
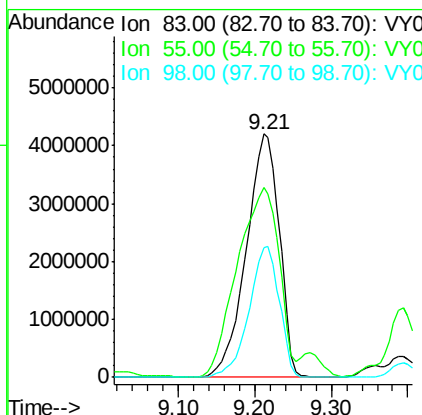
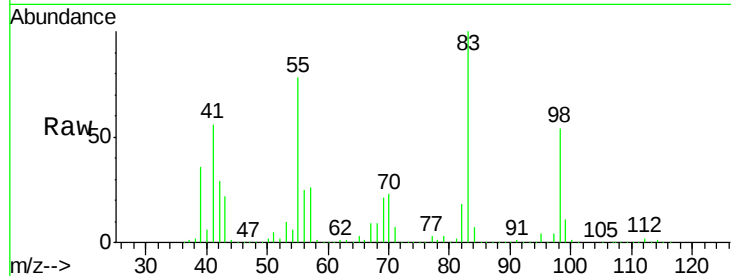




#39
Methvlcvclohexane
Concen: 4191.455 ug/l
RT: 9.21 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VY001471.D
Acq: 03 Feb 2020 14:00

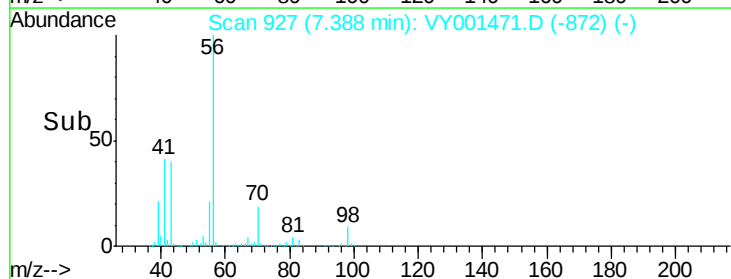
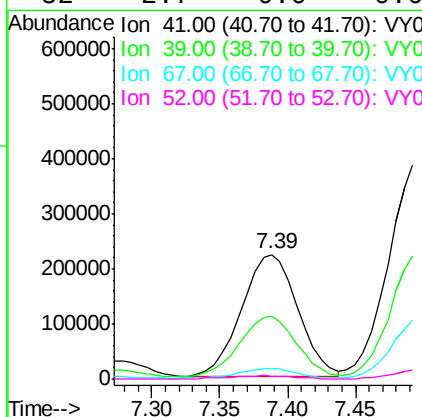
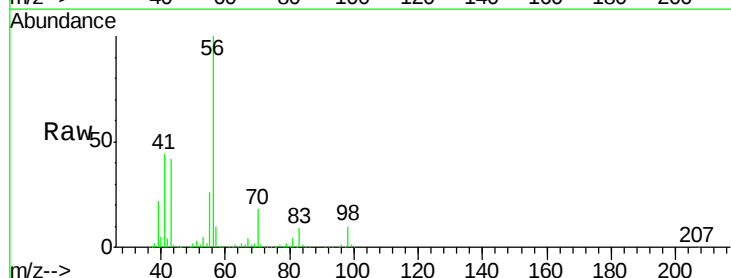
Instrument :
MSVOA_Y
ClientSampleId :
PD-3-(35-37)

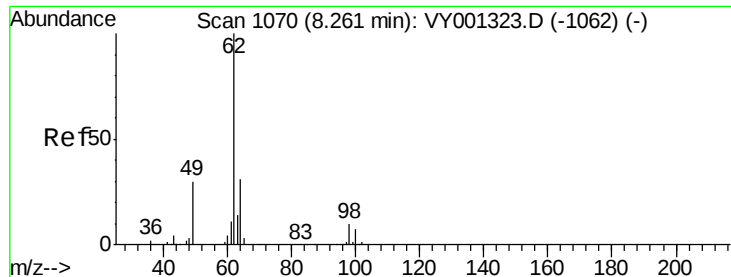
Tot Ion: 83 Resp:12640017
Ion Ratio Lower Upper
83 100
55 78.0 60.7 91.1
98 53.5 37.8 56.8



#41
Methacrylonitrile
Concen: 854.699 ug/l
RT: 7.39 min Scan# 927
Delta R.T. 0.04 min
Lab File: VY001471.D
Acq: 03 Feb 2020 14:00

Tgt Ion: 41 Resp: 634356
Ion Ratio Lower Upper
41 100
39 51.2 0.0 0.0#
67 8.3 0.0 0.0#
52 2.7 0.0 0.0#





#42

1,2-Dichloroethane

Concen: 18.739 ug/l

RT: 8.30 min Scan# 1077

Delta R.T. 0.04 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampled :

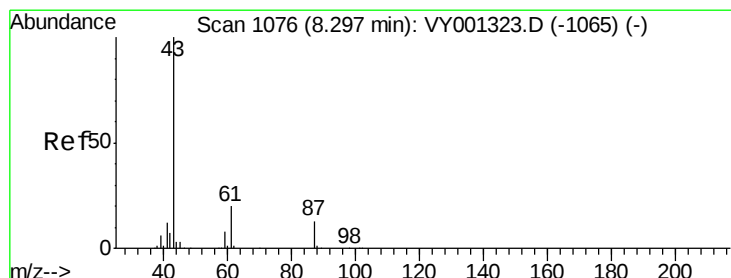
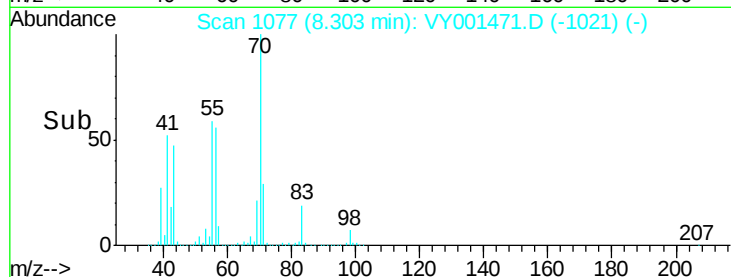
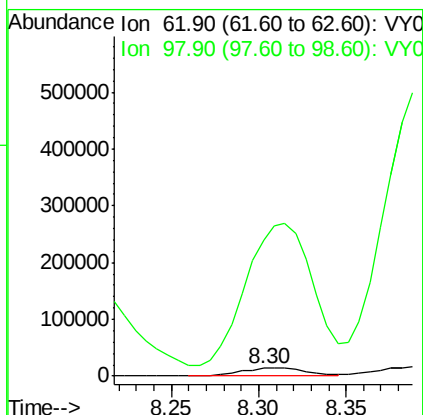
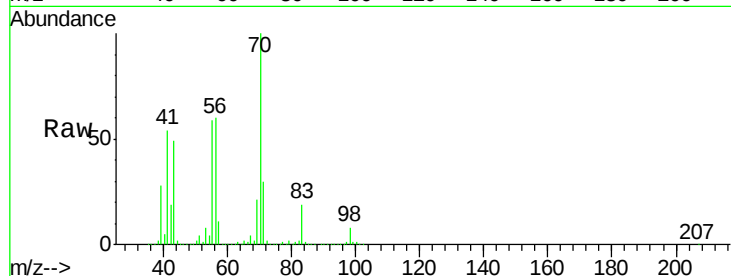
PD-3-(35-37)

Tot Ion: 62 Resp: 36958

Ion Ratio Lower Upper

62 100

98 1823.7 0.0 20.8#



#43

Isopropyl Acetate

Concen: 1705.573 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

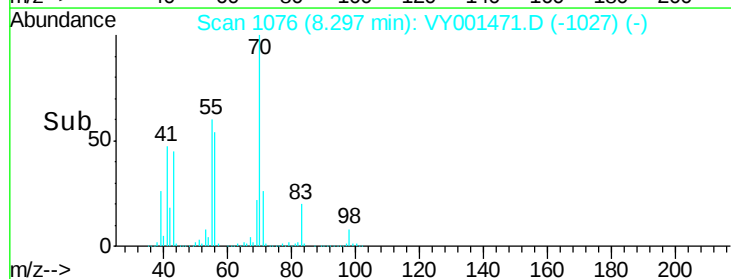
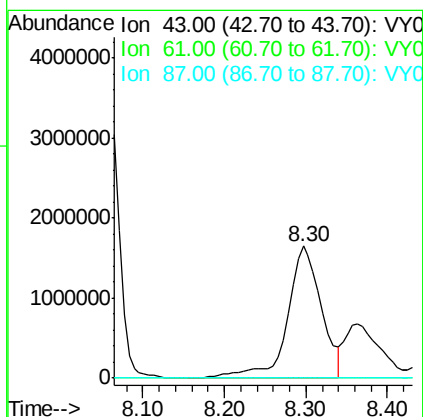
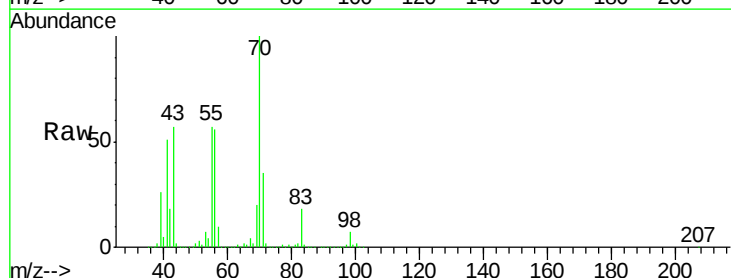
Tgt Ion: 43 Resp: 4769941

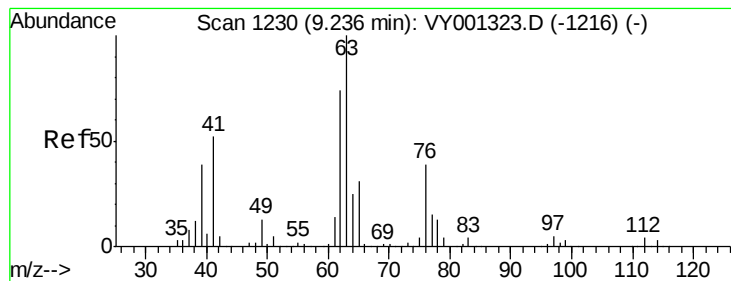
Ion Ratio Lower Upper

43 100

61 0.3 22.7 34.1#

87 0.0 11.0 16.4#





#45

1,2-Dichloropropane

Concen: 114.806 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.02 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampled :

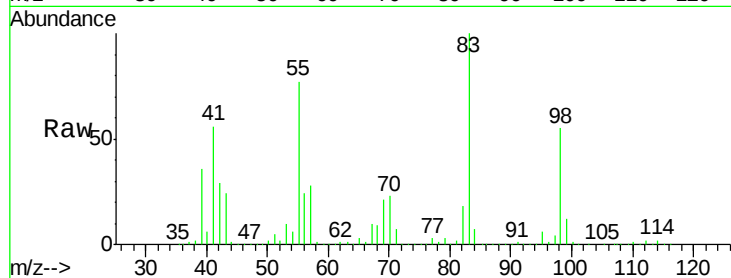
PD-3-(35-37)

Tot Ion: 63 Resp: 204852

Ion Ratio Lower Upper

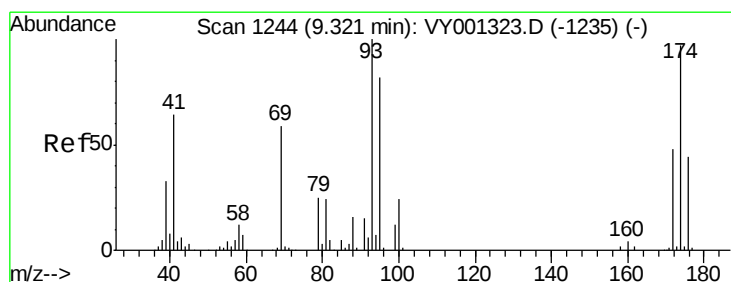
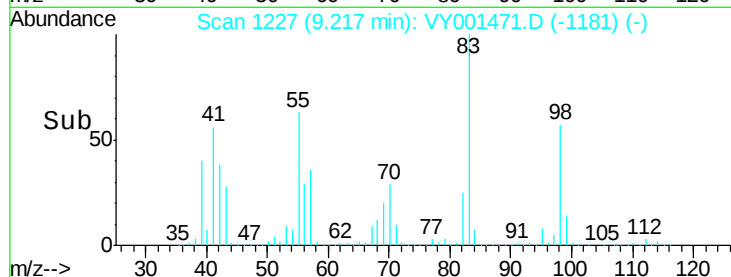
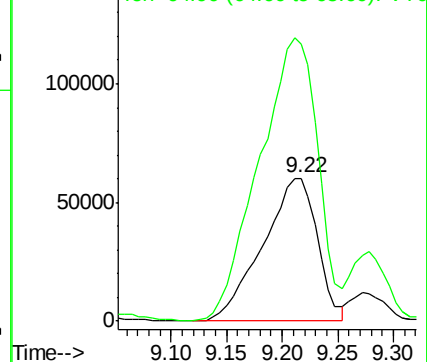
63 100

65 193.9 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 4.722 ug/l

RT: 9.35 min Scan# 1248

Delta R.T. 0.02 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

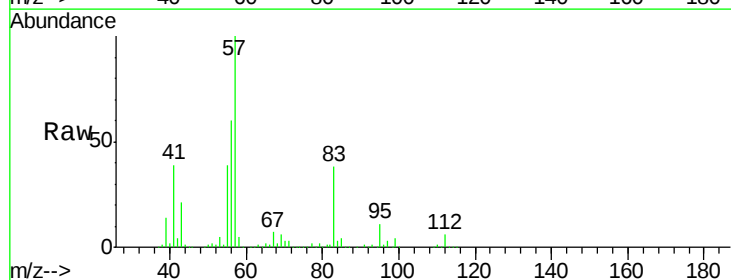
Tgt Ion: 93 Resp: 4523

Ion Ratio Lower Upper

93 100

95 1998.9 66.5 99.7#

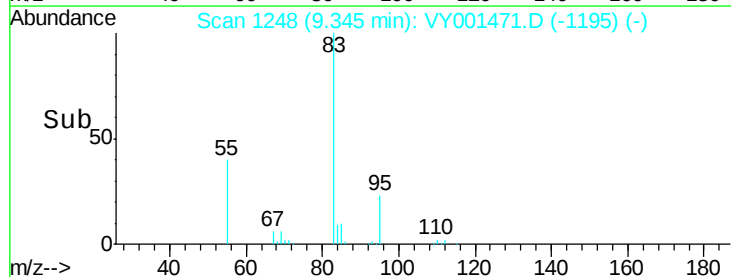
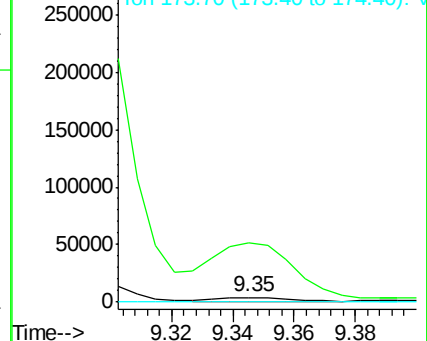
174 0.0 77.9 116.9#

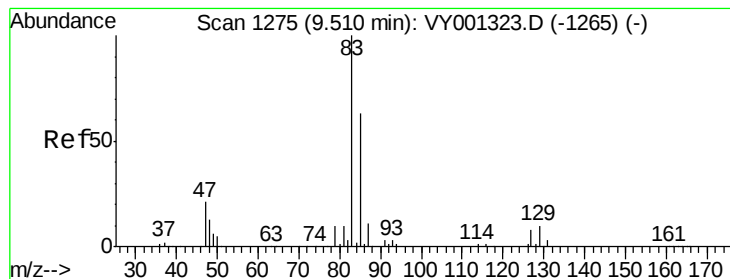


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 1215.206 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

PD-3-(35-37)

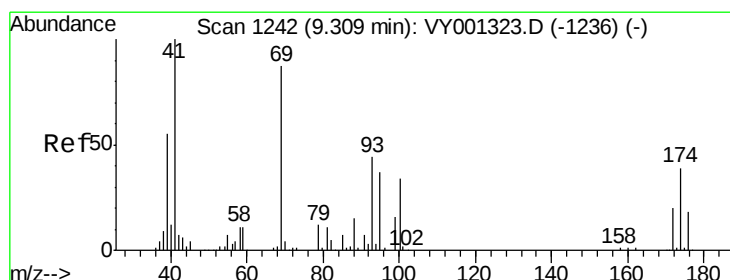
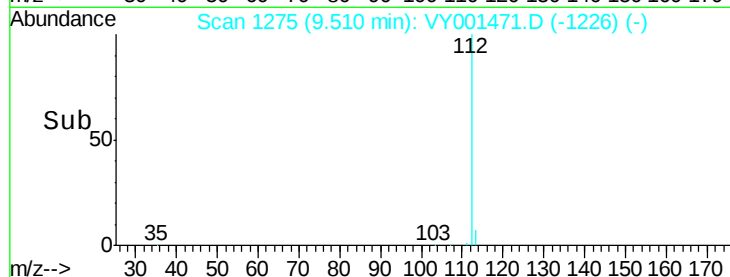
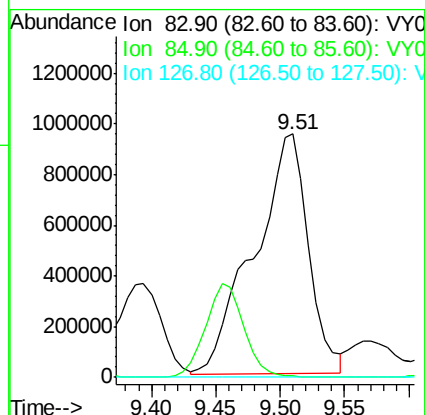
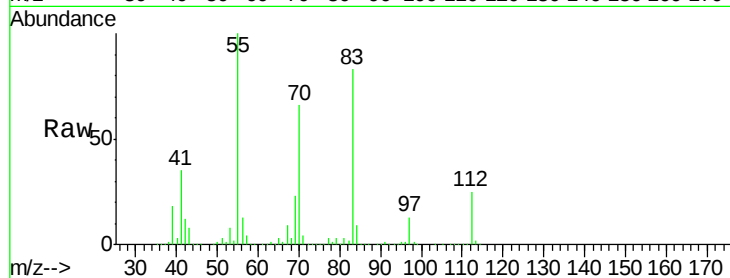
Tot Ion: 83 Resp: 2782769

Ion Ratio Lower Upper

83 100

85 0.4 50.2 75.2#

127 0.0 6.4 9.6#



#48

Methyl methacrylate

Concen: 2082.045 ug/l

RT: 9.27 min Scan# 1236

Delta R.T. -0.04 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

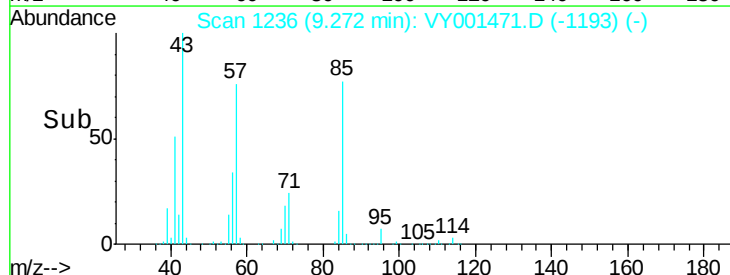
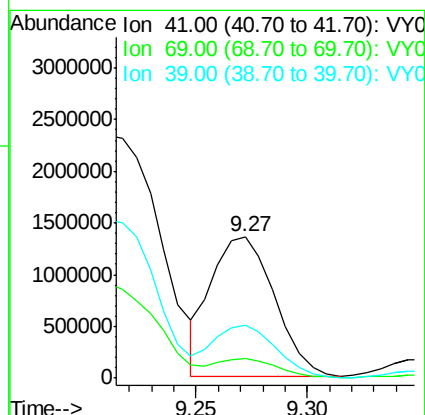
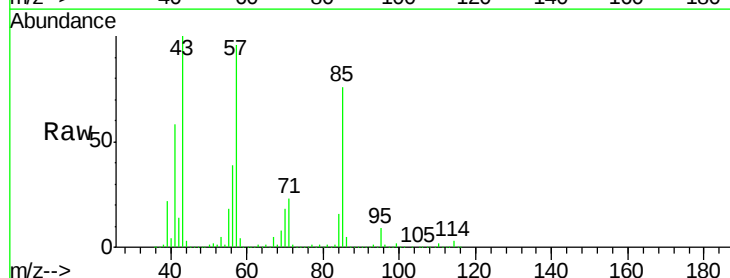
Tgt Ion: 41 Resp: 2647081

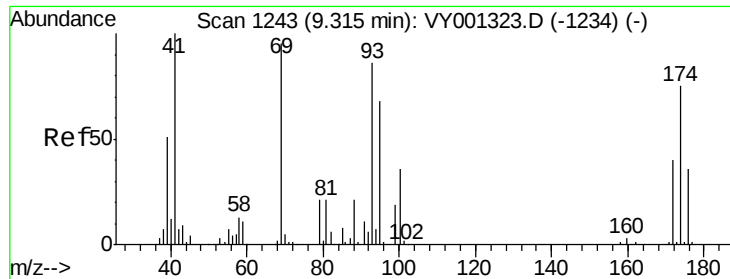
Ion Ratio Lower Upper

41 100

69 12.1 70.2 105.4#

39 37.5 45.7 68.5#





#49

1,4-Dioxane

Concen: 6.144 ug/l

RT: 9.27 min Scan# 1236

Delta R.T. -0.04 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

PD-3-(35-37)

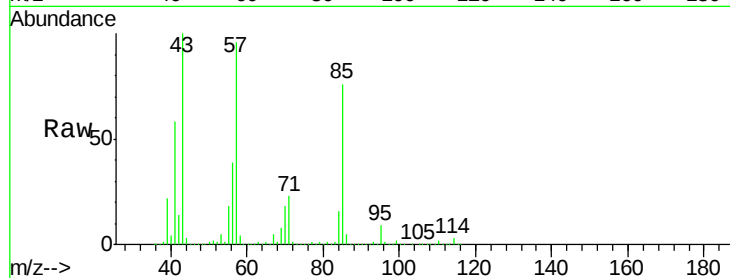
Tot Ion: 88 Resp: 83

Ion Ratio Lower Upper

88 100

43 6030145.8 28.2 42.2#

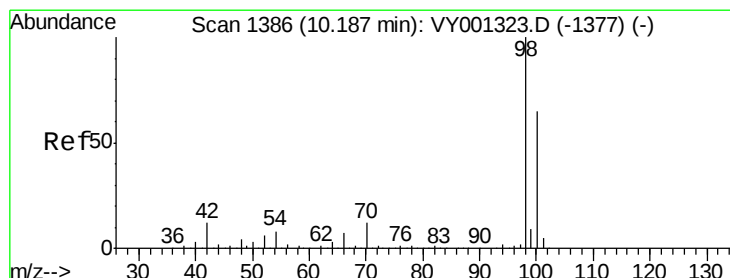
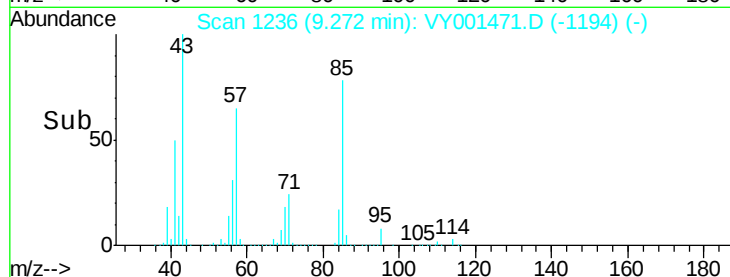
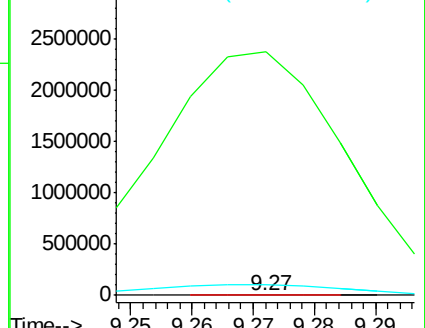
58 258472.3 55.6 83.4#



Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 175.393 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001471.D

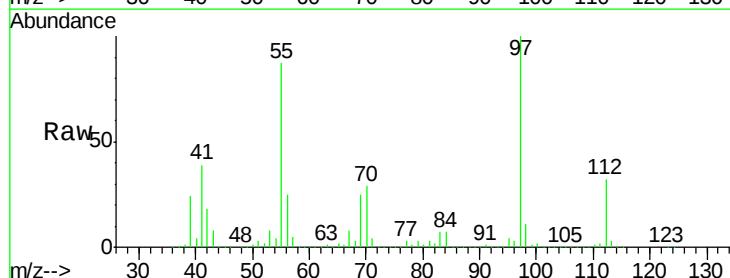
Acq: 03 Feb 2020 14:00

Tgt Ion: 98 Resp: 996551

Ion Ratio Lower Upper

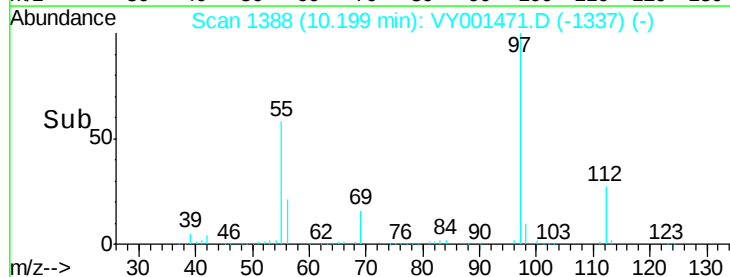
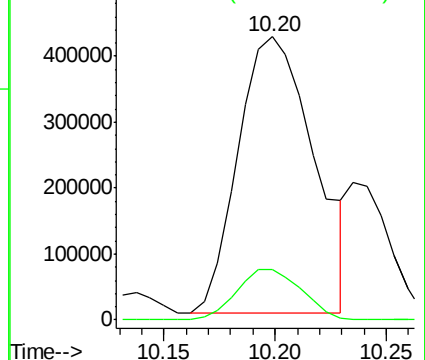
98 100

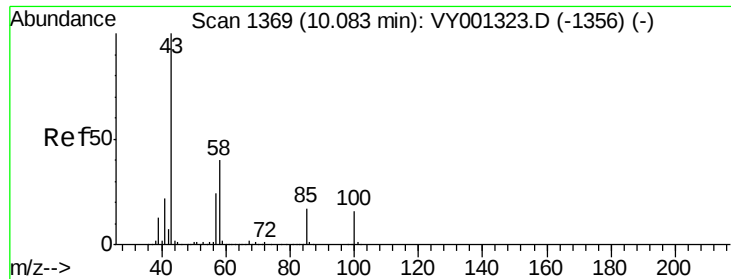
100 15.7 52.6 79.0#



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 578.170 ug/l

RT: 10.14 min Scan# 1378

Delta R.T. 0.05 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampled :

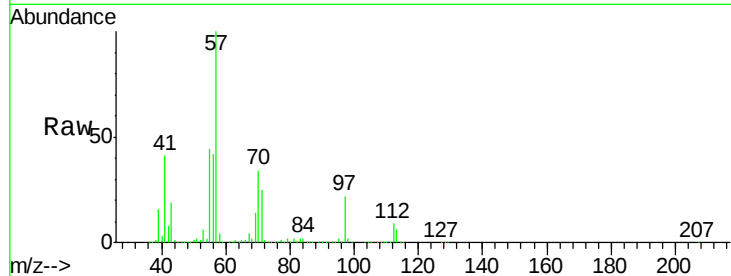
PD-3-(35-37)

Tot Ion: 43 Resp: 832710

Ion Ratio Lower Upper

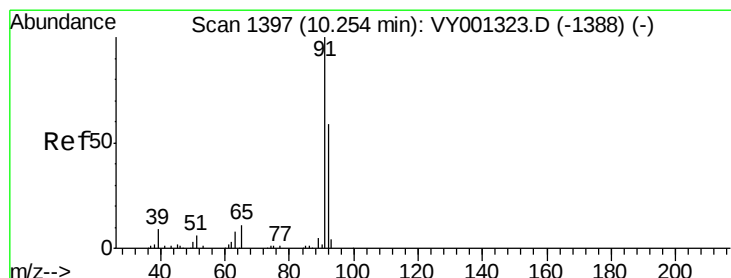
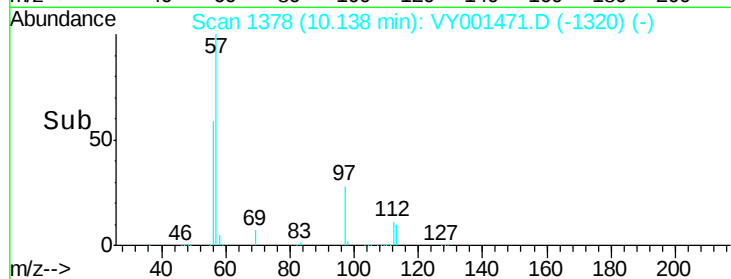
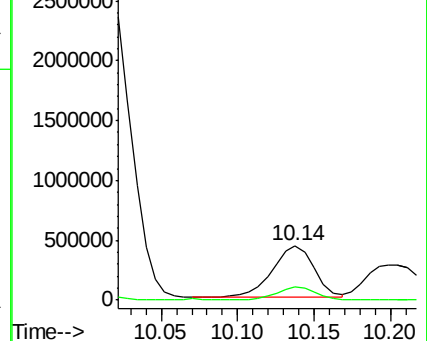
43 100

58 22.0 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 4.735 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY001471.D

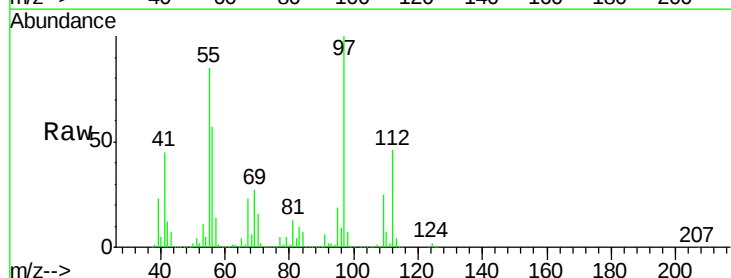
Acq: 03 Feb 2020 14:00

Tgt Ion: 92 Resp: 21186

Ion Ratio Lower Upper

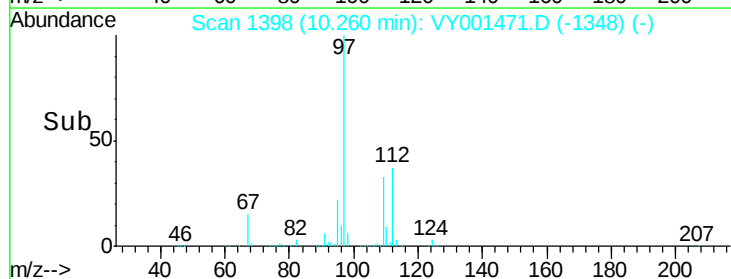
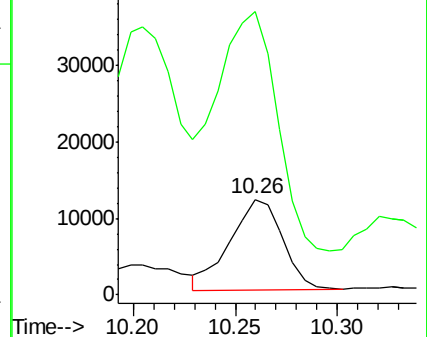
92 100

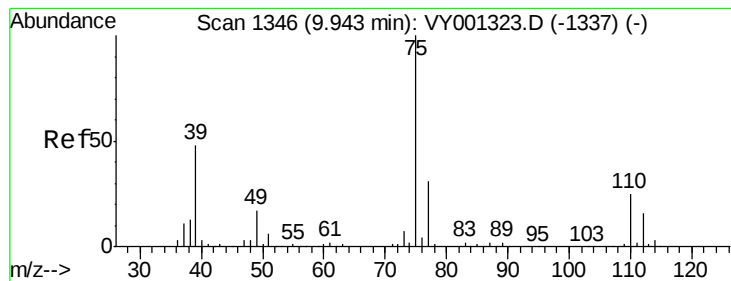
91 335.0 136.4 204.6#



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#54

cis-1,3-Dichloropropene

Concen: 1.996 ug/l

RT: 9.89 min Scan# 1338

Delta R.T. -0.05 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

PD-3-(35-37)

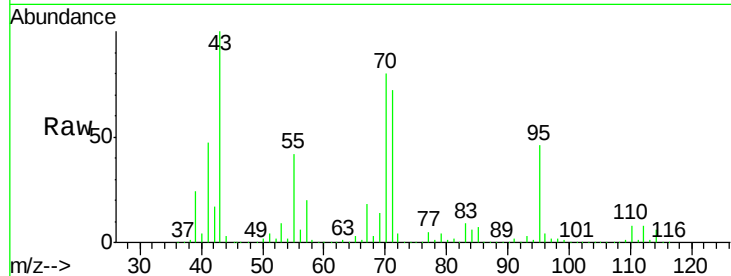
Tot Ion: 75 Resp: 5814

Ion Ratio Lower Upper

75 100

77 4674.3 25.0 37.6#

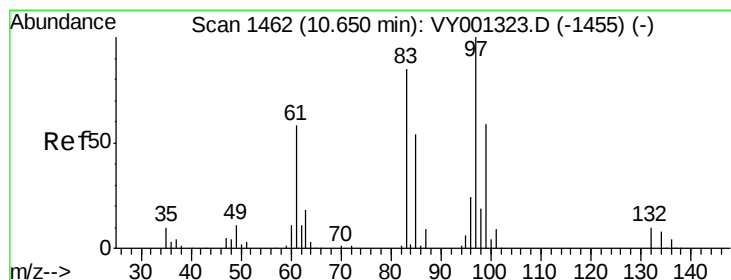
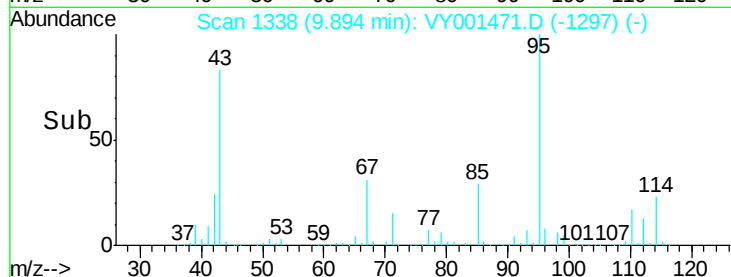
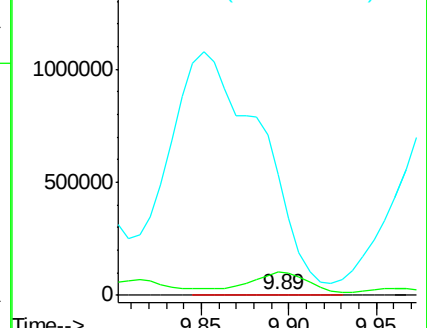
39 24425.9 38.2 57.4#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0



#55

1,1,2-Trichloroethane

Concen: 3229.288 ug/l

RT: 10.64 min Scan# 1460

Delta R.T. -0.01 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Tgt Ion: 97 Resp: 4565855

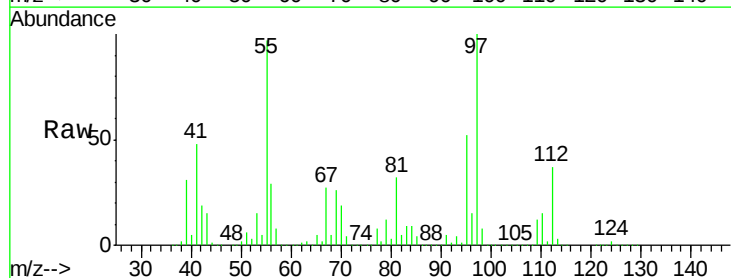
Ion Ratio Lower Upper

97 100

83 6.4 68.0 102.0#

85 3.7 43.6 65.4#

99 0.2 47.1 70.7#

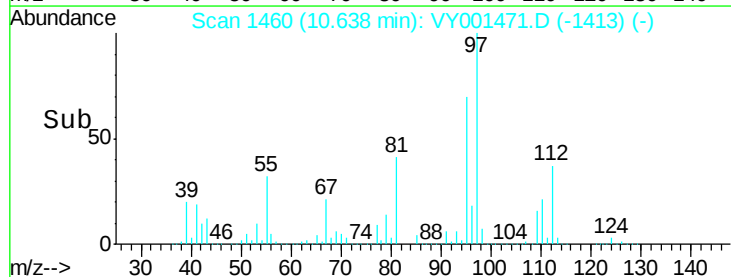
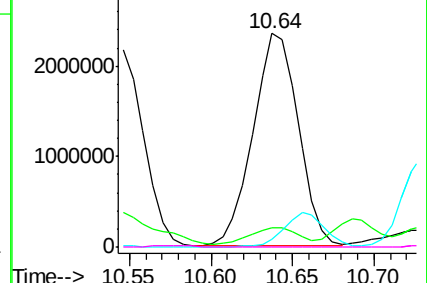


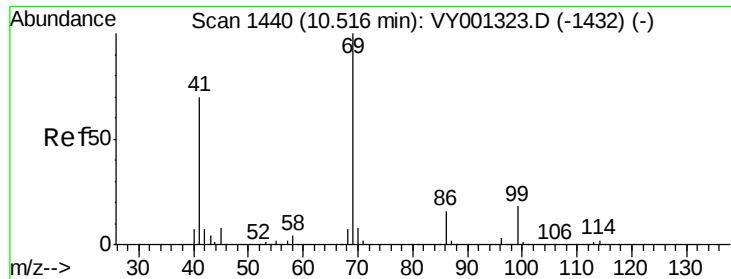
Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0





#56

Ethyl methacrylate

Concen: 322.043 ug/l

RT: 10.50 min Scan# 1438

Delta R.T. -0.01 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

PD-3-(35-37)

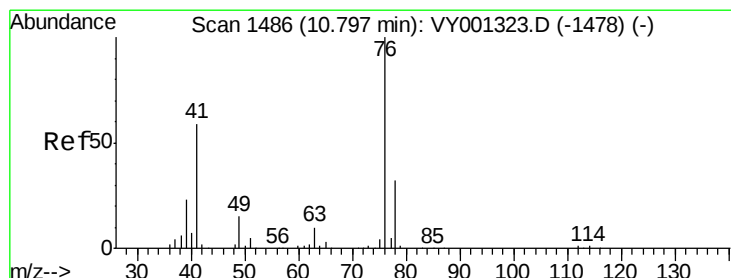
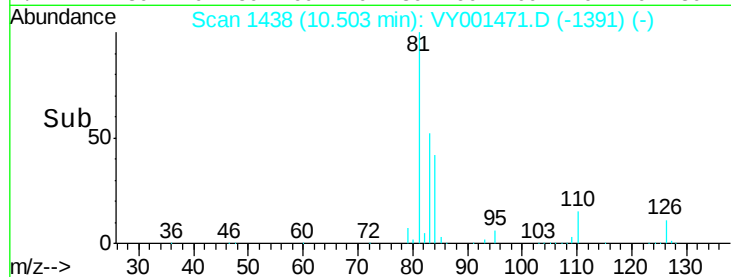
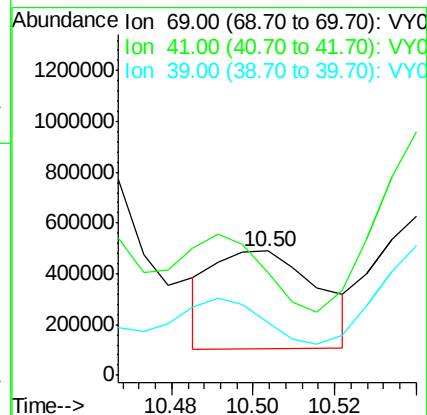
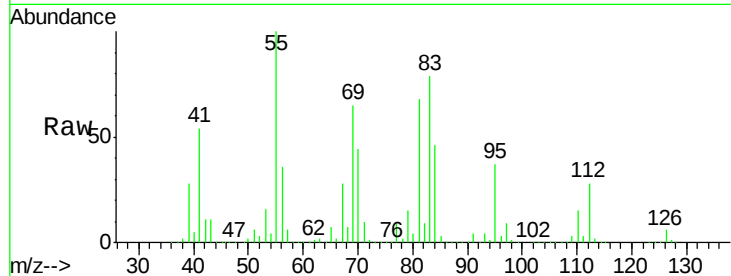
Tot Ion: 69 Resp: 688201

Ion Ratio Lower Upper

69 100

41 93.4 54.1 81.1#

39 58.4 26.8 40.2#



#57

1,3-Dichloropropane

Concen: 1.170 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VY001471.D

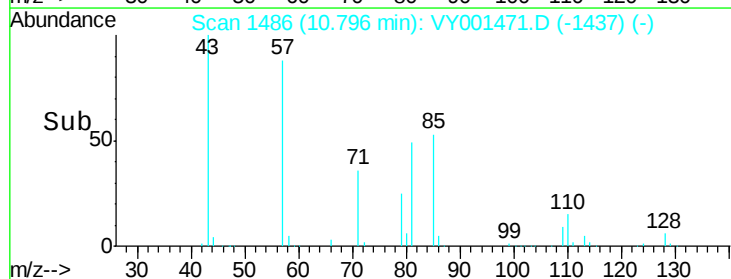
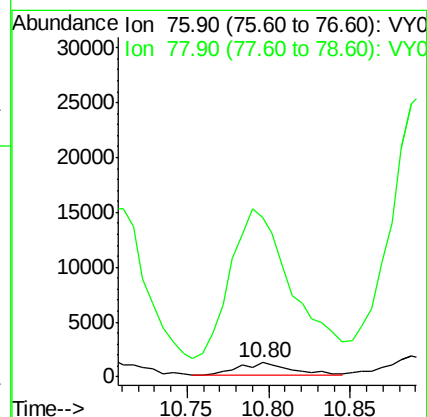
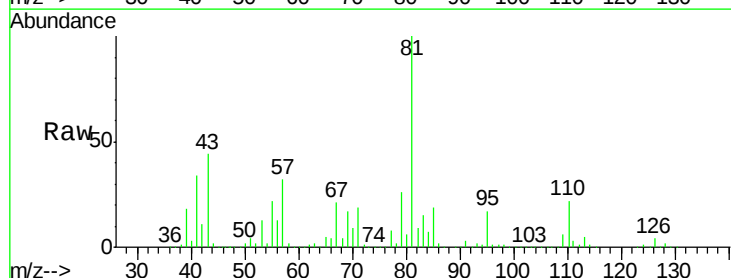
Acq: 03 Feb 2020 14:00

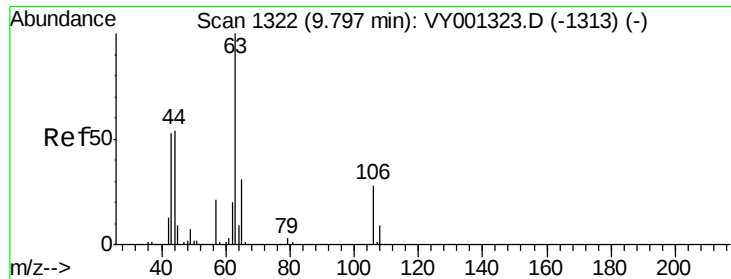
Tgt Ion: 76 Resp: 2882

Ion Ratio Lower Upper

76 100

78 1223.6 25.8 38.8#

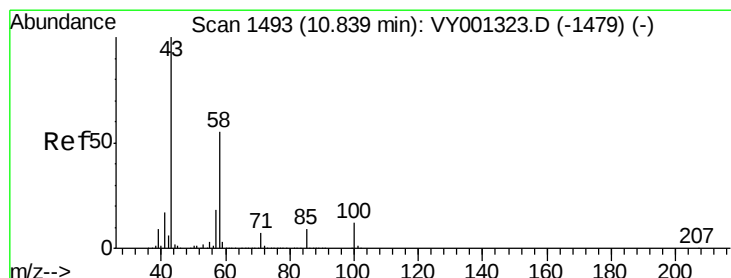
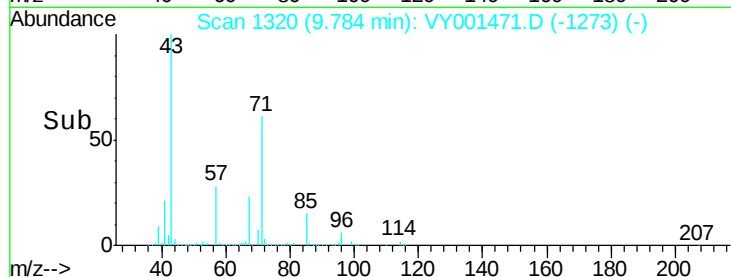
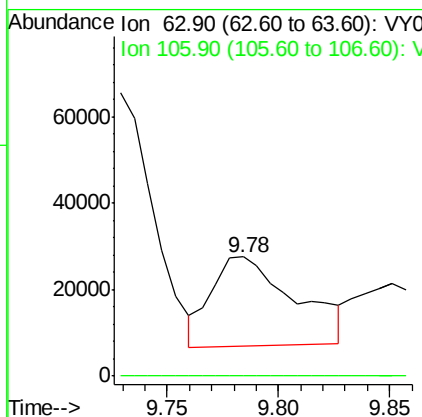
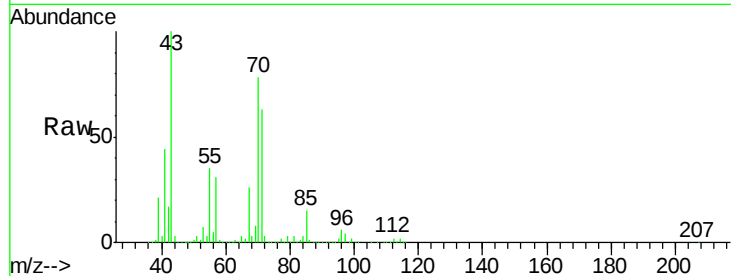




#58
 2-Chloroethyl Vinyl ether
 Concen: 73.669 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY001471.D
 Acq: 03 Feb 2020 14:00

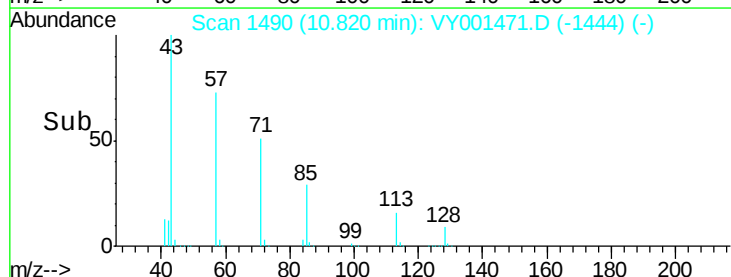
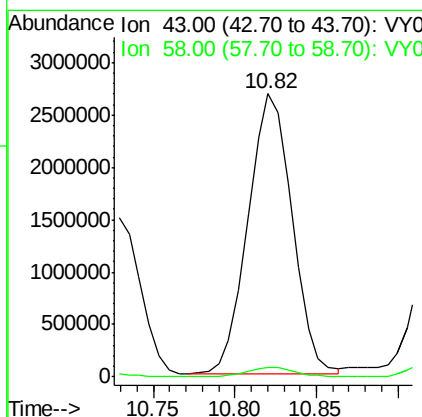
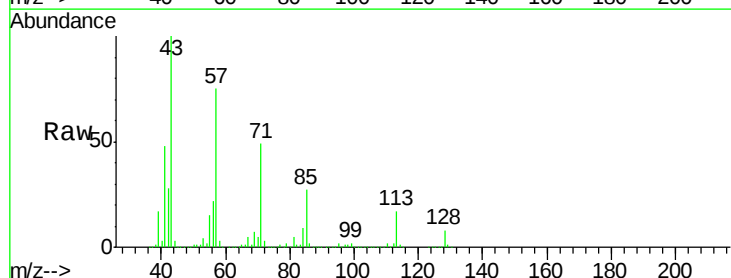
Instrument :
 MSVOA_Y
 ClientSampleId :
 PD-3-(35-37)

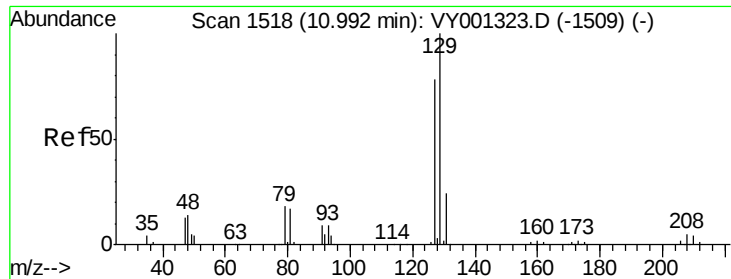
Tot Ion: 63 Resp: 54476
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.5 33.7#



#59
 2-Hexanone
 Concen: 5000.350 ug/l
 RT: 10.82 min Scan# 1490
 Delta R.T. -0.02 min
 Lab File: VY001471.D
 Acq: 03 Feb 2020 14:00

Tgt Ion: 43 Resp: 5013658
 Ion Ratio Lower Upper
 43 100
 58 3.7 27.6 82.8#





#60

Dibromochloromethane

Concen: 4.642 ug/l

RT: 11.22 min Scan# 1556

Delta R.T. 0.23 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampled :

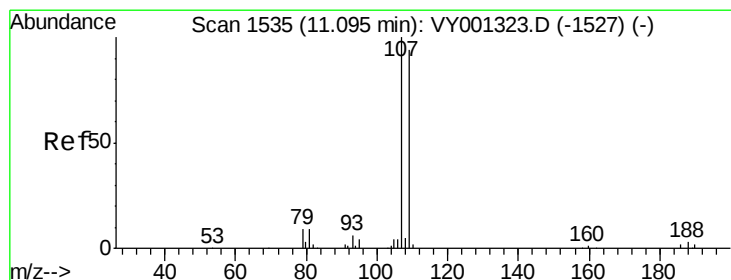
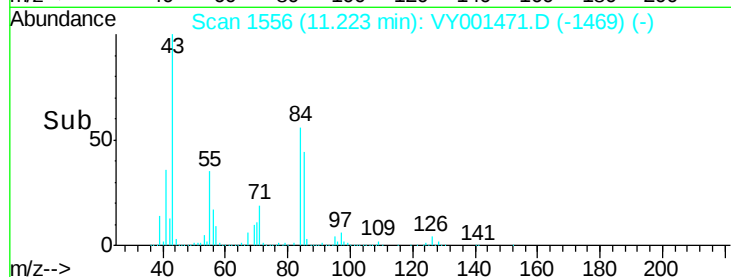
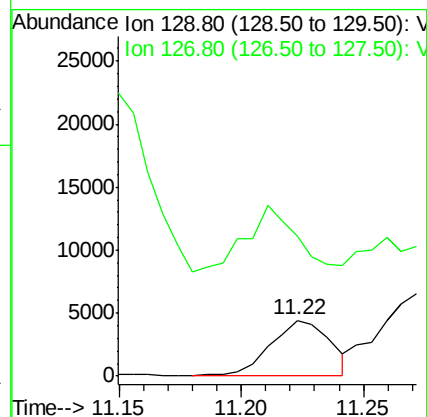
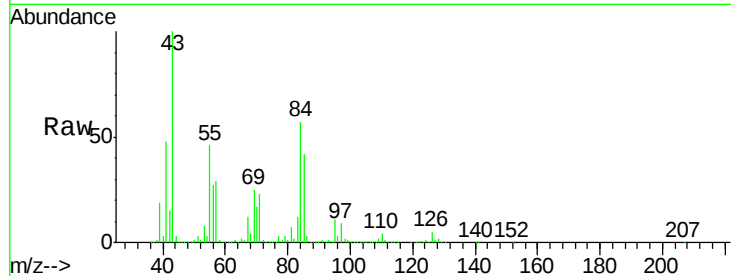
PD-3-(35-37)

Tot Ion:129 Resp: 7341

Ion Ratio Lower Upper

129 100

127 100.5 38.8 116.4



#61

1,2-Dibromoethane

Concen: 25.566 ug/l

RT: 11.08 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VY001471.D

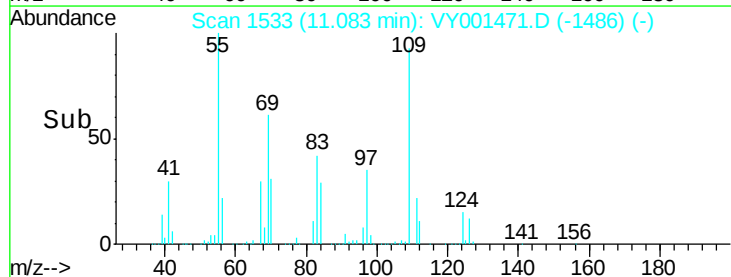
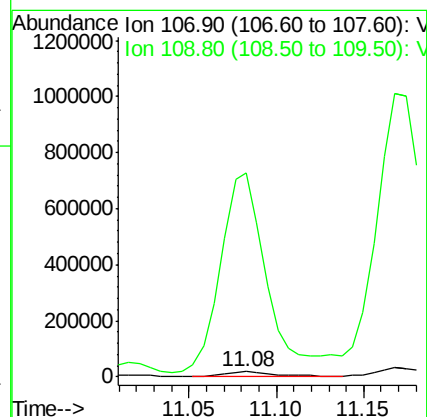
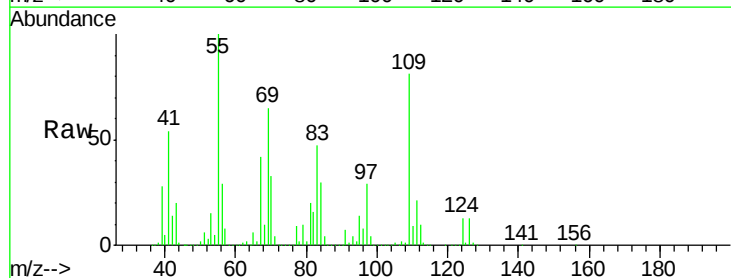
Acq: 03 Feb 2020 14:00

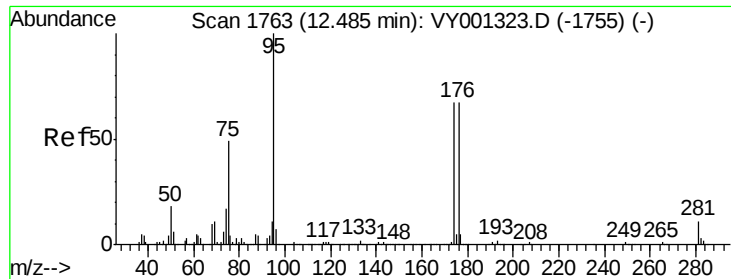
Tgt Ion:107 Resp: 34172

Ion Ratio Lower Upper

107 100

109 3703.1 75.0 112.6#





#62

4-Bromofluorobenzene

Concen: 271.559 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampled :

PD-3-(35-37)

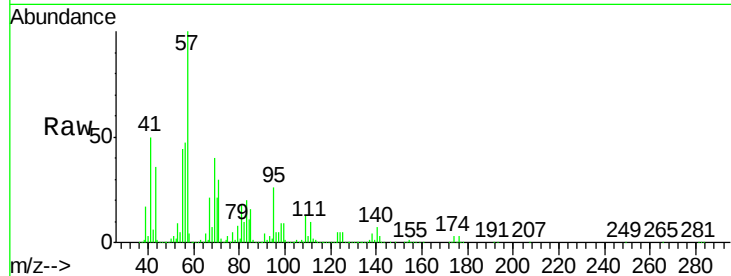
Tot Ion: 95 Resp: 614453

Ion Ratio Lower Upper

95 100

174 13.8 0.0 142.0

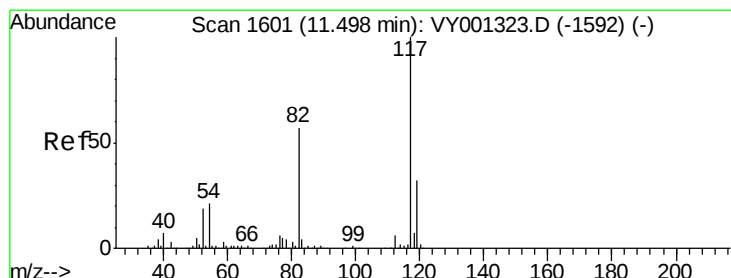
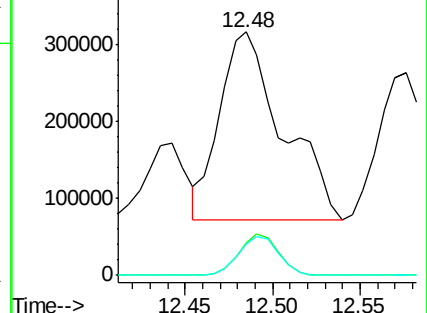
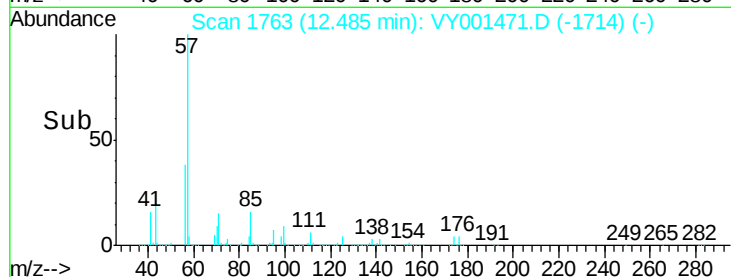
176 13.3 0.0 138.6



Abundance Ion 94.90 (94.60 to 95.60): VY001471.D (-1714) (-)

Ion 173.80 (173.50 to 174.50): VY001471.D (-1714) (-)

Ion 175.80 (175.50 to 176.50): VY001471.D (-1714) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

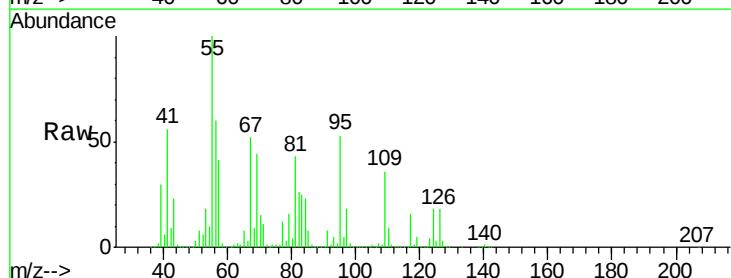
Tgt Ion: 117 Resp: 252802

Ion Ratio Lower Upper

117 100

82 62.2 45.5 68.3

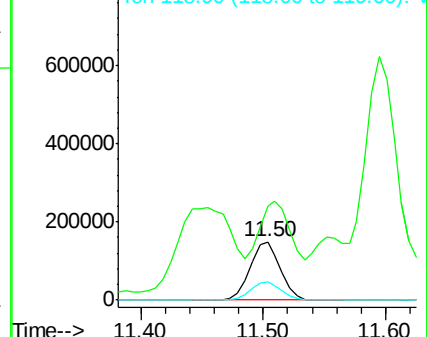
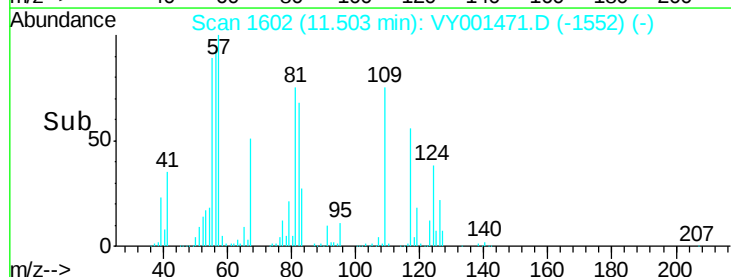
119 31.8 25.8 38.6

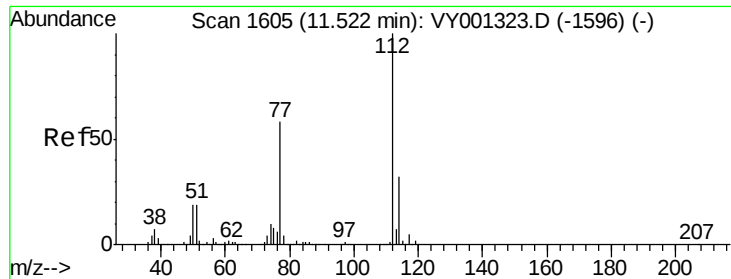


Abundance Ion 116.90 (116.60 to 117.60): VY001471.D (-1552) (-)

Ion 82.00 (81.70 to 82.70): VY001471.D (-1552) (-)

Ion 118.90 (118.60 to 119.60): VY001471.D (-1552) (-)





#65

Chlorobenzene

Concen: 16.819 ug/l

RT: 11.64 min Scan# 1625

Delta R.T. 0.12 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

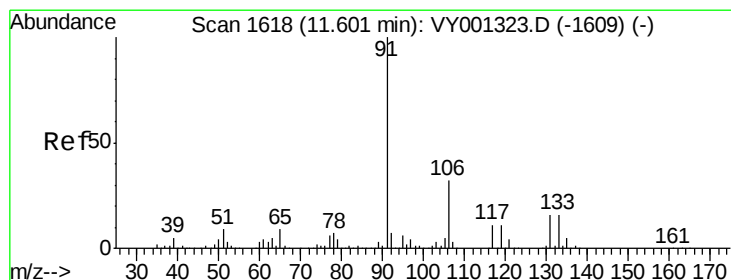
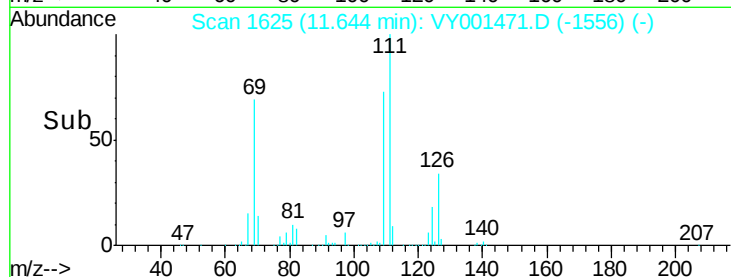
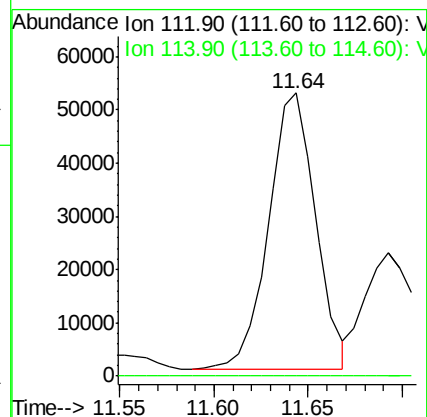
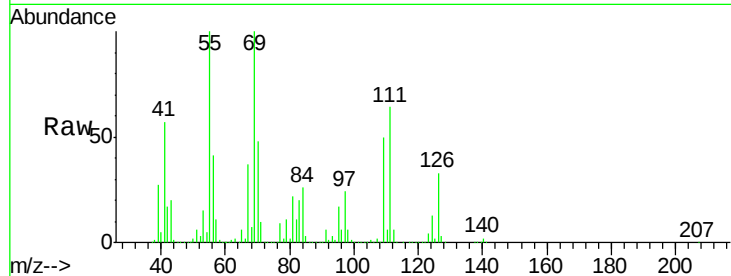
PD-3-(35-37)

Tot Ion:112 Resp: 89625

Ion Ratio Lower Upper

112 100

114 0.0 25.8 38.6#



#67

Ethyl Benzene

Concen: 77.122 ug/l

RT: 11.61 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VY001471.D

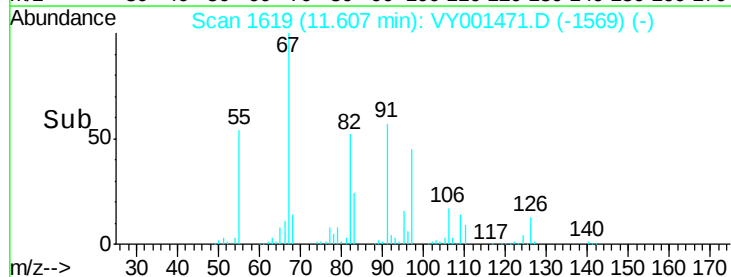
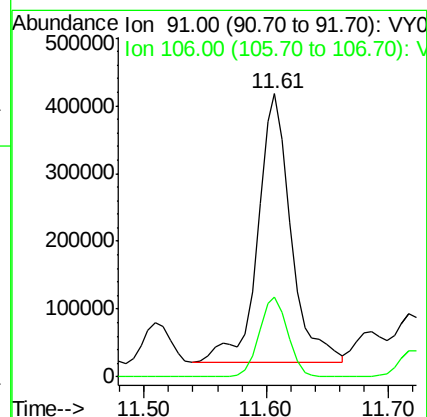
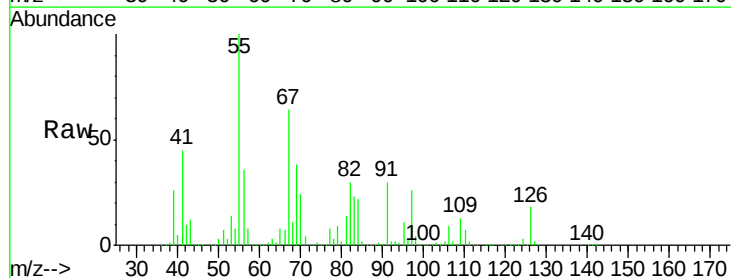
Acq: 03 Feb 2020 14:00

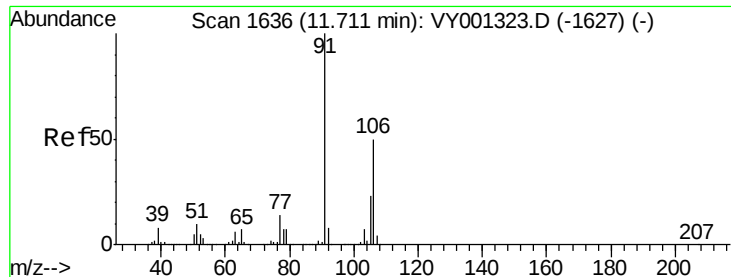
Tgt Ion: 91 Resp: 757351

Ion Ratio Lower Upper

91 100

106 29.6 25.4 38.0

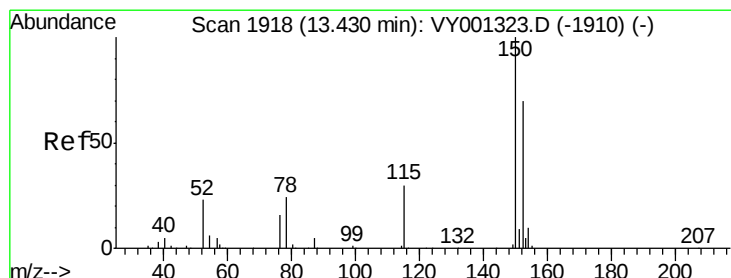
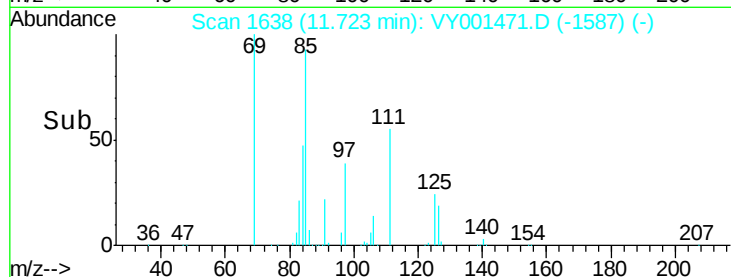
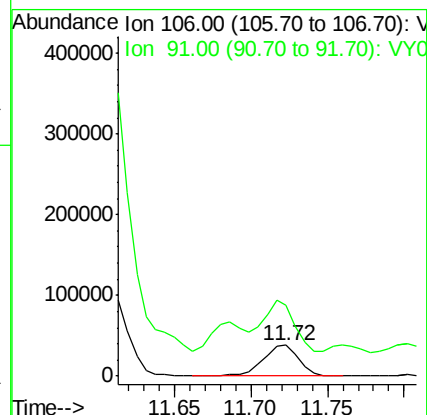
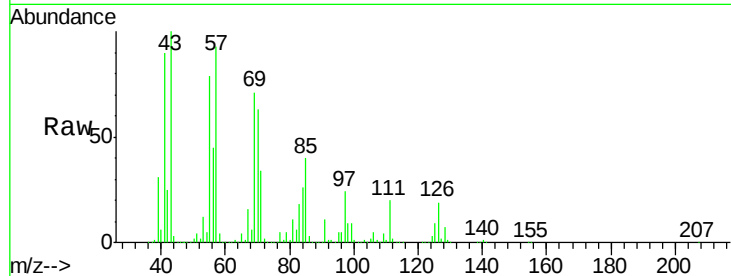




#68
m/p-Xvlenes
Concen: 16.669 ug/l
RT: 11.72 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VY001471.D
Acq: 03 Feb 2020 14:00

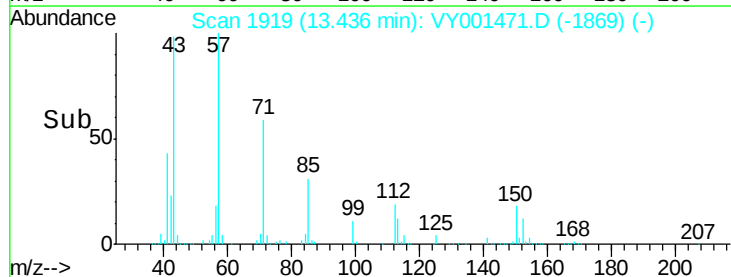
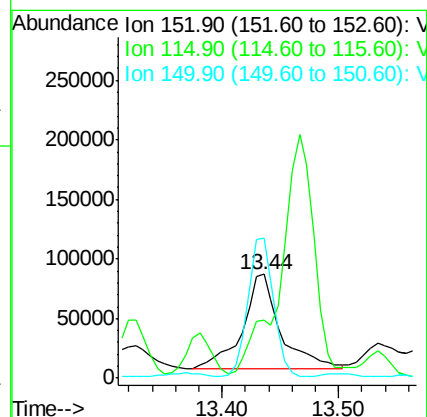
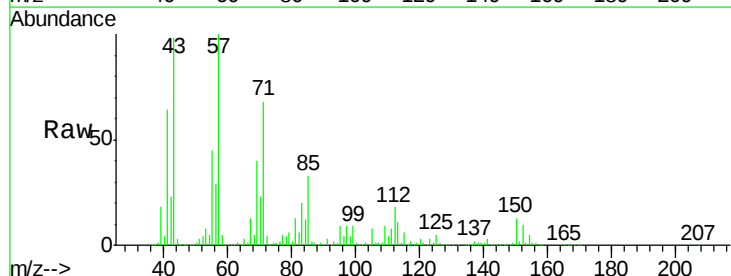
Instrument :
MSVOA_Y
ClientSampleId :
PD-3-(35-37)

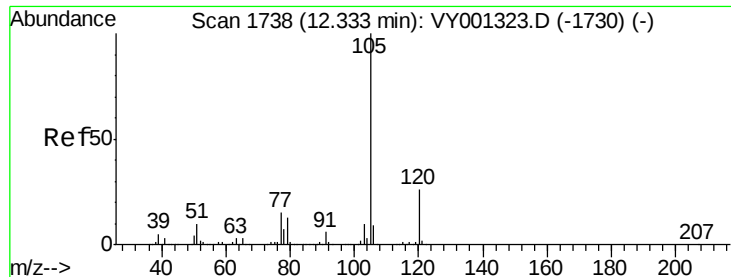
Tot Ion:106 Resp: 61136
Ion Ratio Lower Upper
106 100
91 195.1 162.8 244.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001471.D
Acq: 03 Feb 2020 14:00

Tgt Ion:152 Resp: 176125
Ion Ratio Lower Upper
152 100
115 0.0 30.9 92.8#
150 102.0 0.0 349.2





#73

Isopropylbenzene

Concen: 297.997 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

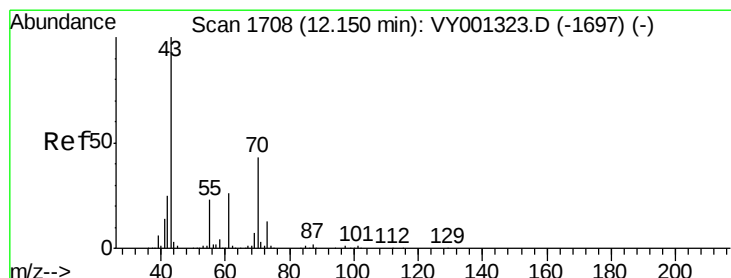
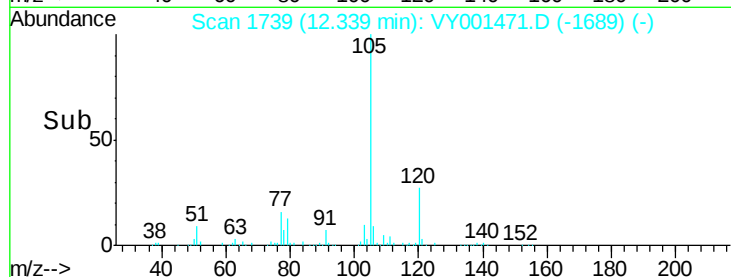
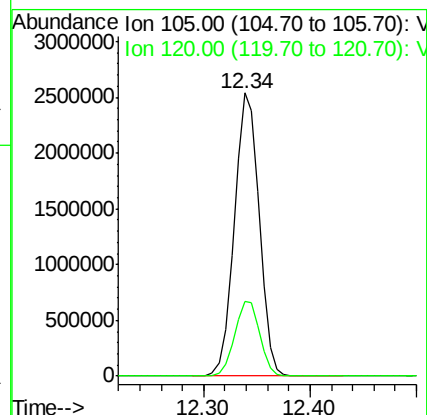
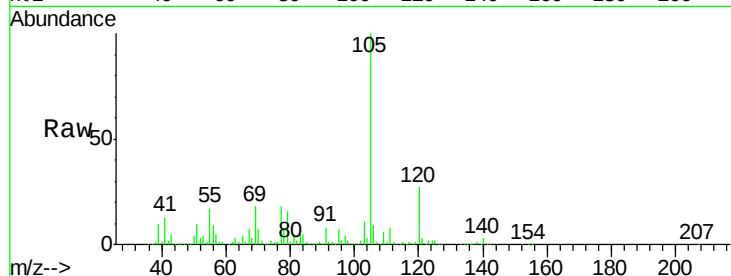
PD-3-(35-37)

Tot Ion:105 Resp: 4141472

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4



#74

N-ethyl acetate

Concen: 468.627 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Tgt Ion: 43 Resp: 2131875

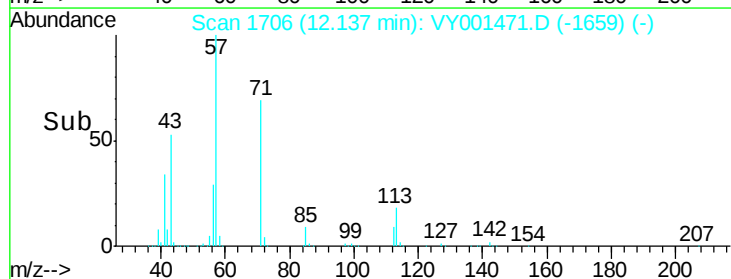
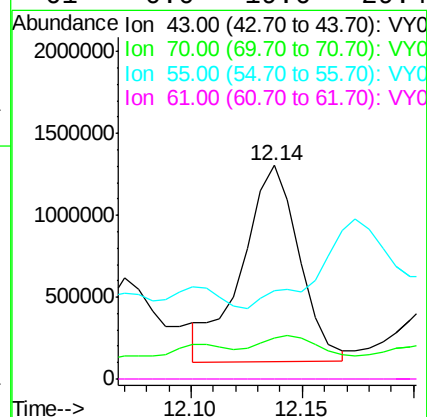
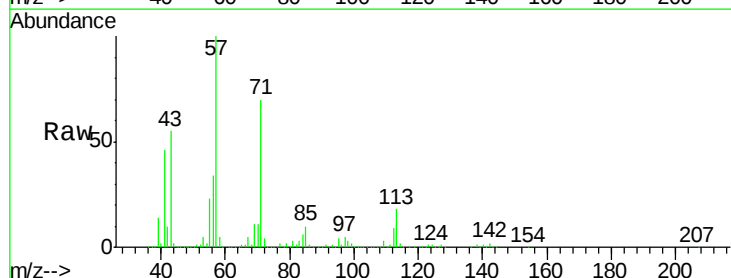
Ion Ratio Lower Upper

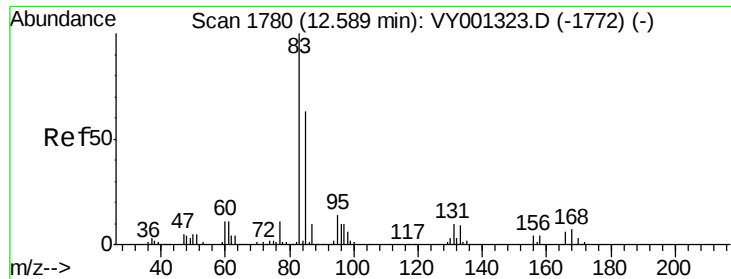
43 100

70 14.5 33.5 50.3#

55 0.0 18.2 27.2#

61 0.0 19.6 29.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 47.854 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

PD-3-(35-37)

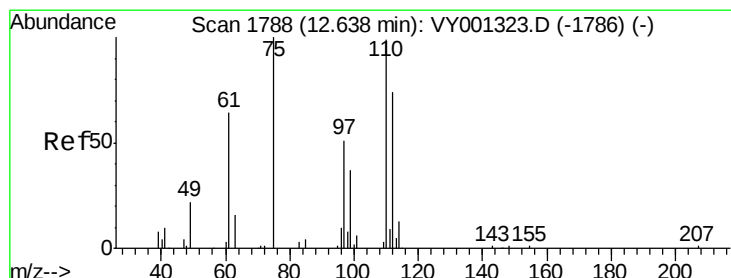
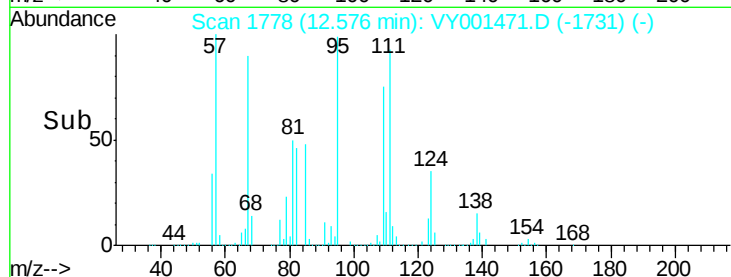
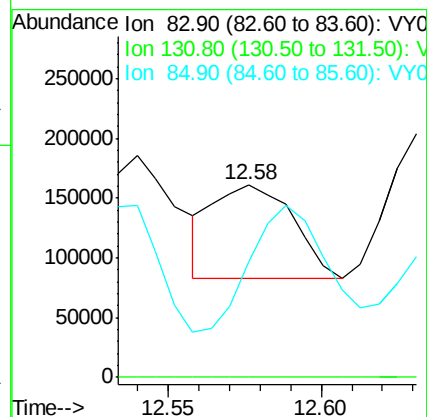
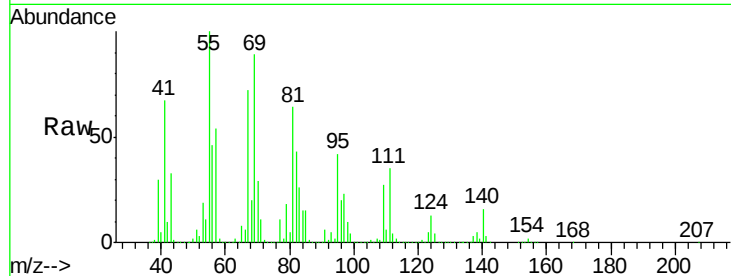
Tot Ion: 83 Resp: 142431

Ion Ratio Lower Upper

83 100

131 0.1 4.9 14.6#

85 155.1 31.4 94.3#



#76

1,2,3-Trichloropropane

Concen: 57.596 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.05 min

Lab File: VY001471.D

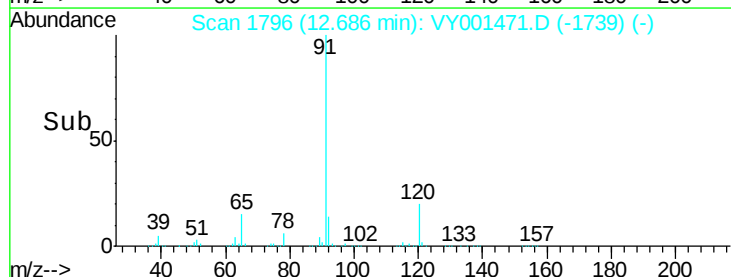
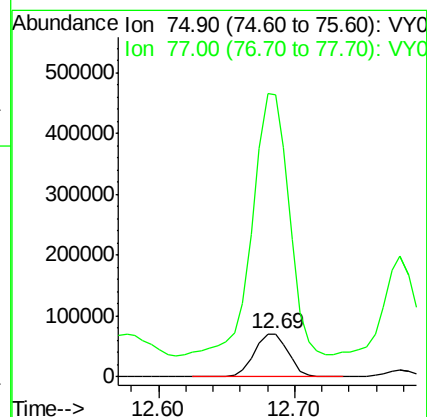
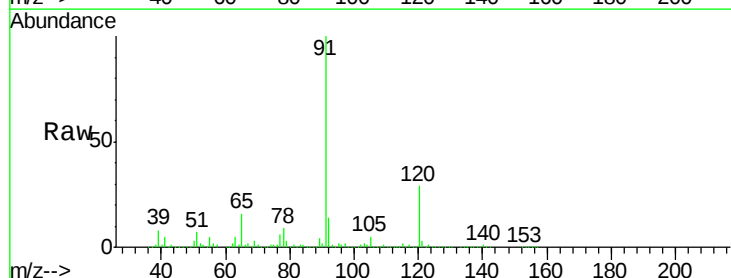
Acq: 03 Feb 2020 14:00

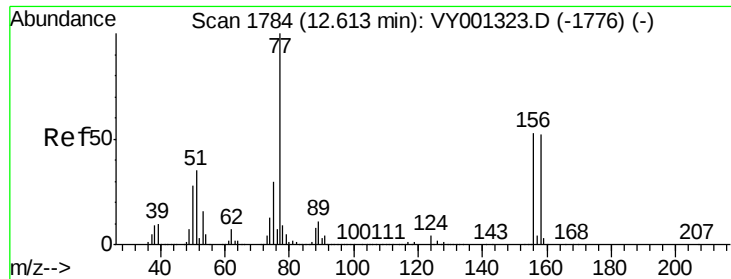
Tgt Ion: 75 Resp: 122238

Ion Ratio Lower Upper

75 100

77 669.1 0.0 0.0#





#77

Bromobenzene

Concen: 1.432 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. -0.02 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

PD-3-(35-37)

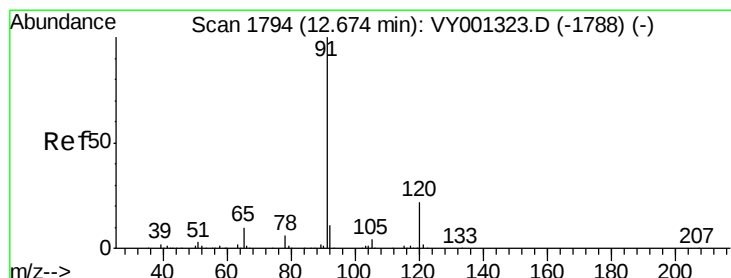
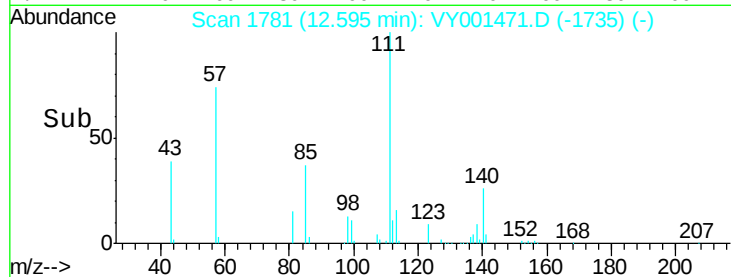
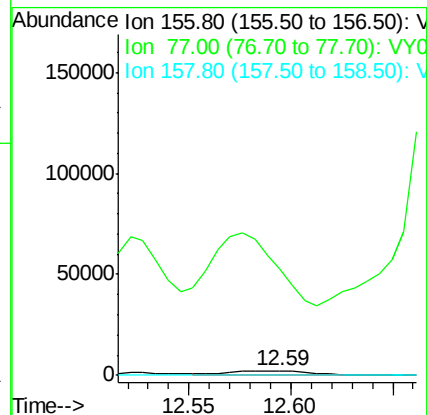
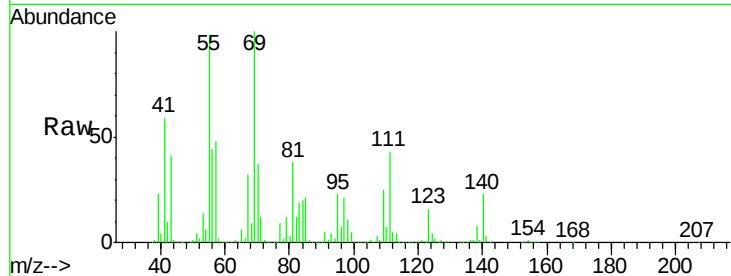
Tot Ion:156 Resp: 4409

Ion Ratio Lower Upper

156 100

77 1737.6 104.7 313.9#

158 0.0 48.6 145.8#



#78

n-propylbenzene

Concen: 916.215 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY001471.D

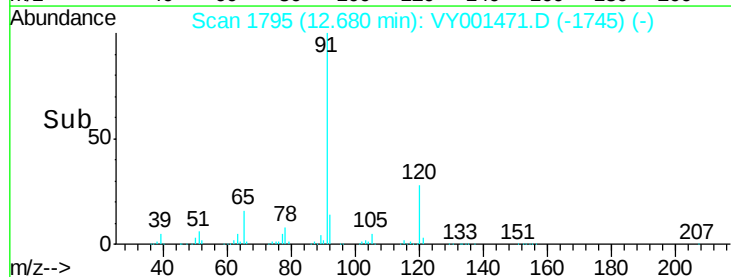
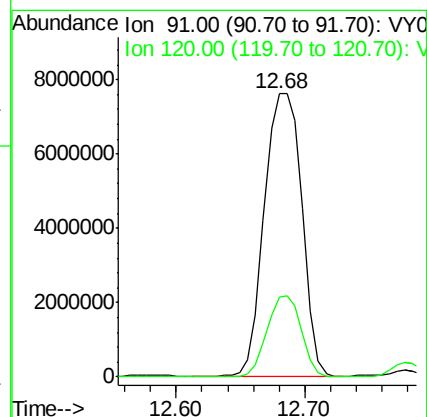
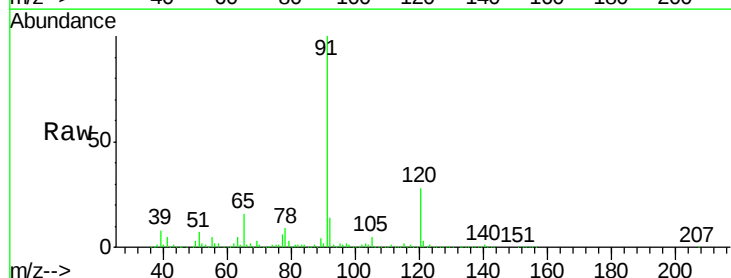
Acq: 03 Feb 2020 14:00

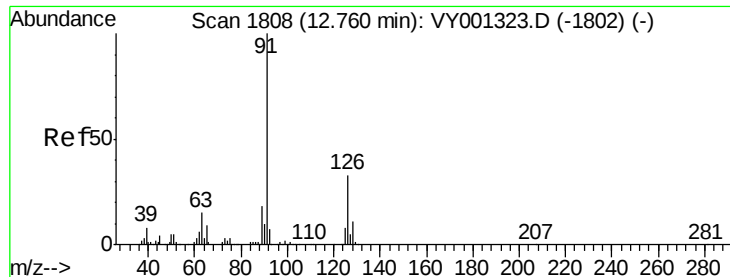
Tgt Ion: 91 Resp:15326389

Ion Ratio Lower Upper

91 100

120 26.3 11.3 33.8





#79

2-Chlorotoluene

Concen: 1603.793 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.08 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

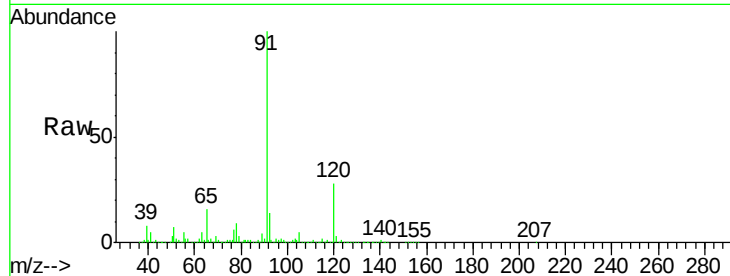
PD-3-(35-37)

Tot Ion: 91 Resp:15326389

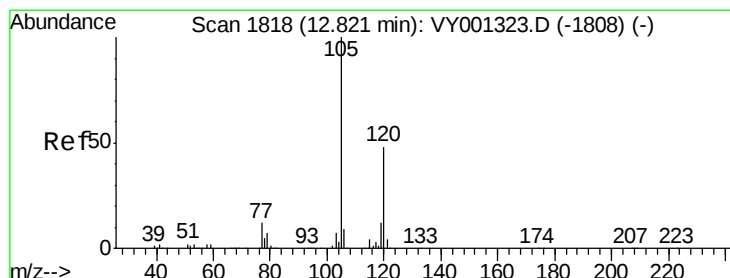
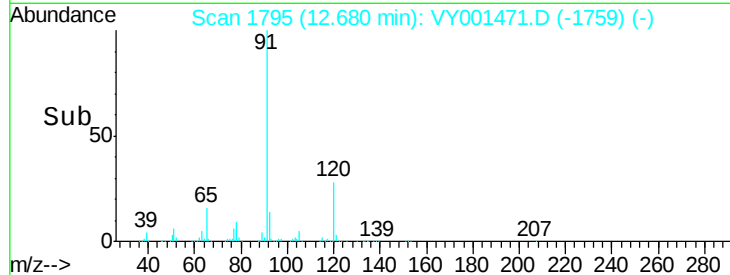
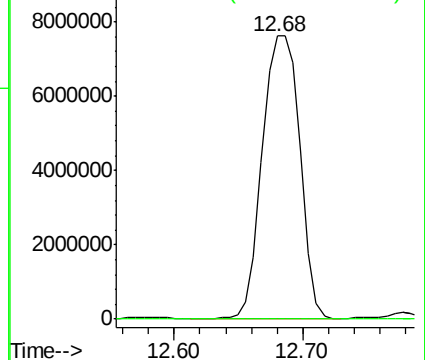
Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.7#



Abundance Ion 91.00 (90.70 to 91.70): VY001471.D (-1759) (-)



#80

1,3,5-Trimethylbenzene

Concen: 177.209 ug/l

RT: 12.78 min Scan# 1811

Delta R.T. -0.04 min

Lab File: VY001471.D

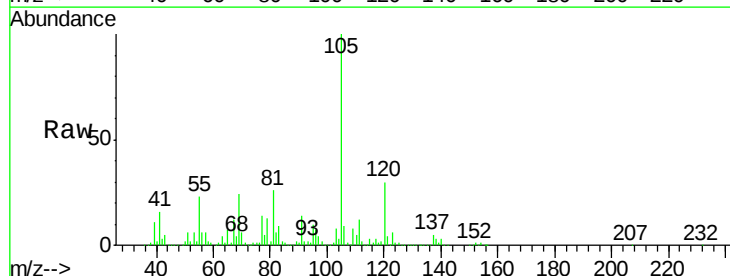
Acq: 03 Feb 2020 14:00

Tgt Ion:105 Resp: 2055766

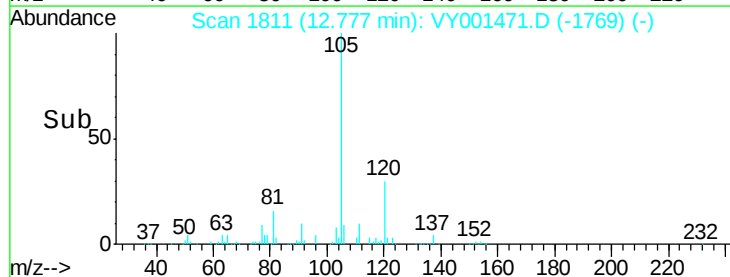
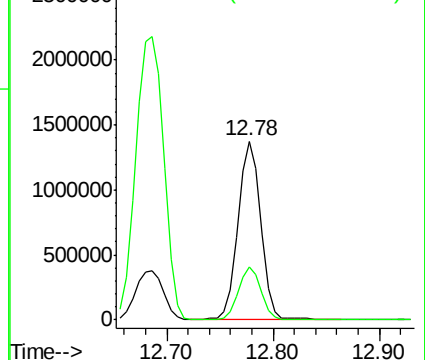
Ion Ratio Lower Upper

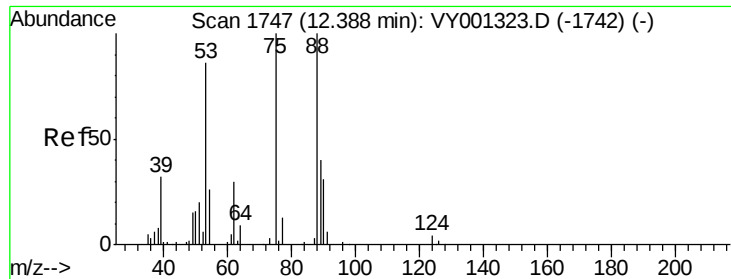
105 100

120 29.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001471.D (-1769) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 43.914 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.05 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

PD-3-(35-37)

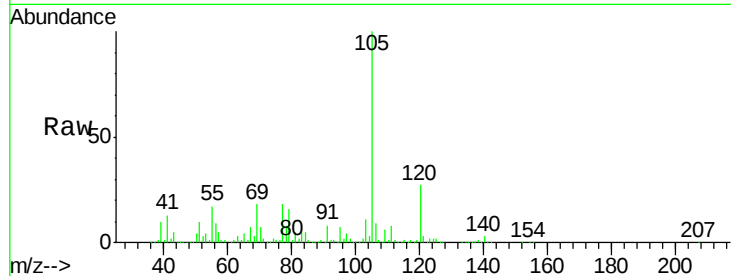
Tot Ion: 75 Resp: 49250

Ion Ratio Lower Upper

75 100

53 0.0 69.9 104.9#

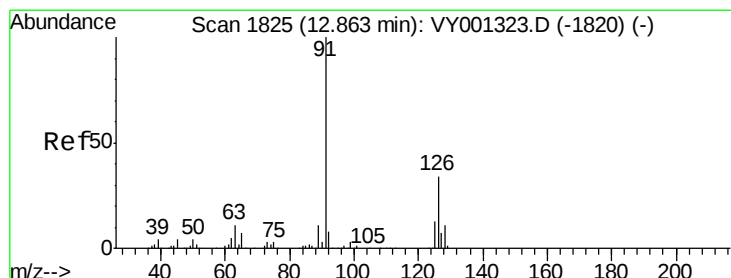
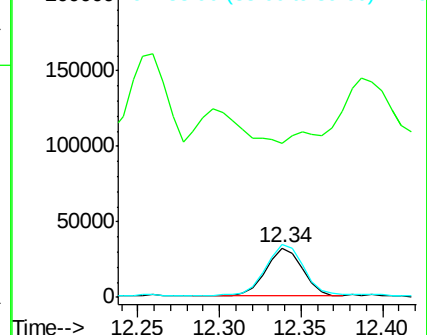
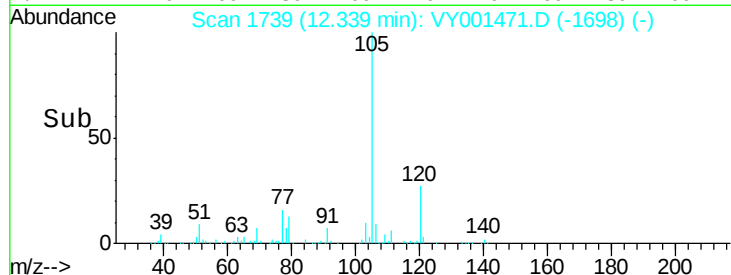
89 119.4 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 1501.438 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.18 min

Lab File: VY001471.D

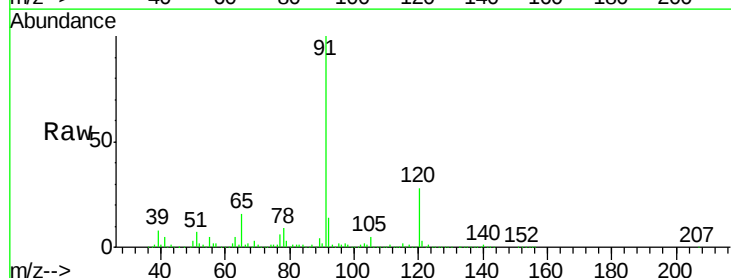
Acq: 03 Feb 2020 14:00

Tgt Ion: 91 Resp: 15326389

Ion Ratio Lower Upper

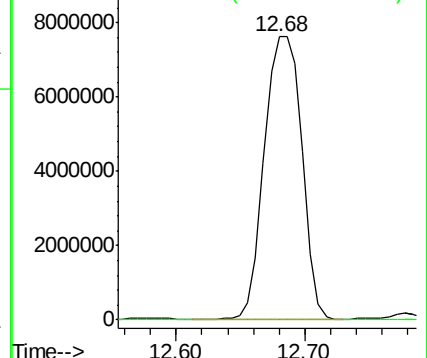
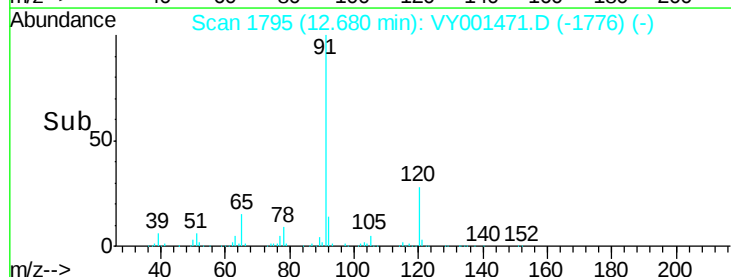
91 100

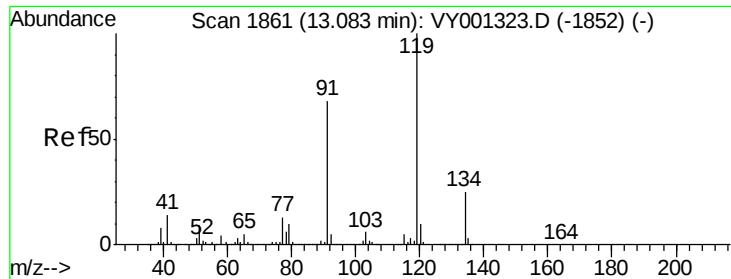
126 0.0 16.4 49.4#



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 3.831 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

PD-3-(35-37)

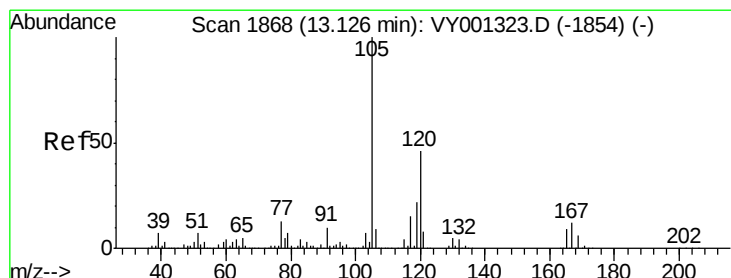
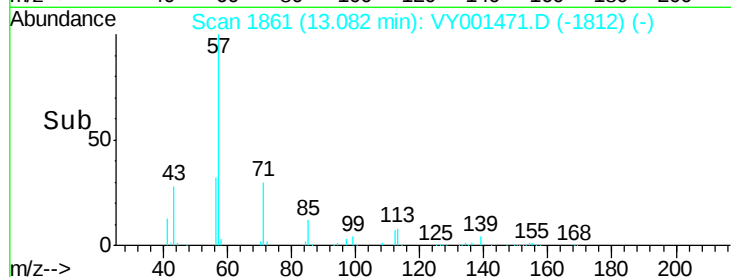
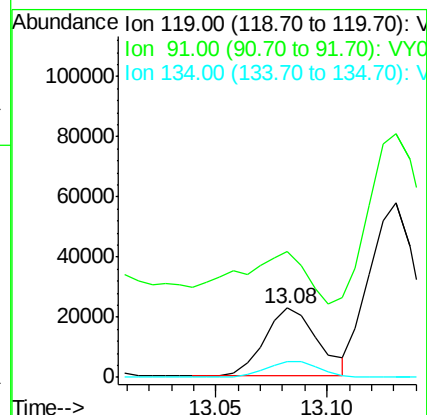
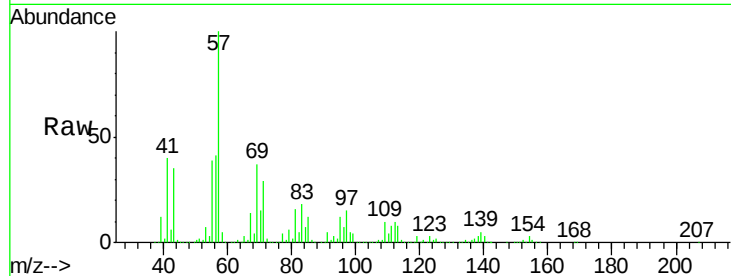
Tot Ion:119 Resp: 37459

Ion Ratio Lower Upper

119 100

91 0.0 33.0 99.0#

134 0.0 13.3 39.9#



#84

1,2,4-Trimethylbenzene

Concen: 63.586 ug/l

RT: 13.13 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VY001471.D

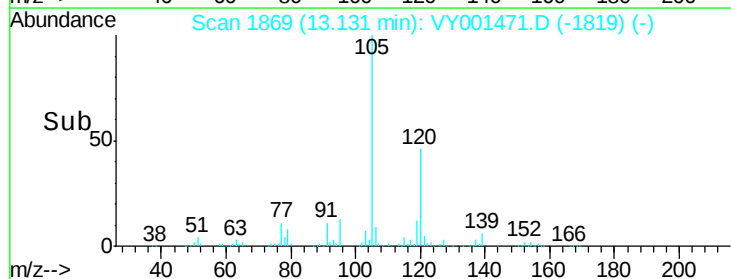
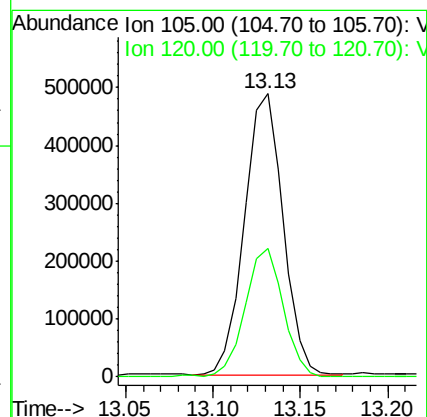
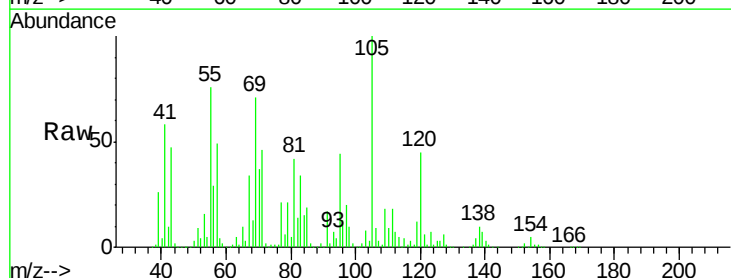
Acq: 03 Feb 2020 14:00

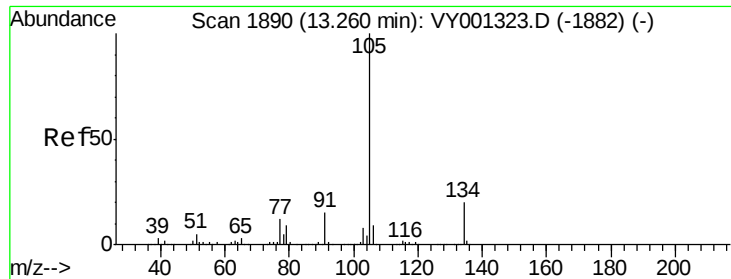
Tgt Ion:105 Resp: 740580

Ion Ratio Lower Upper

105 100

120 45.7 22.4 67.3

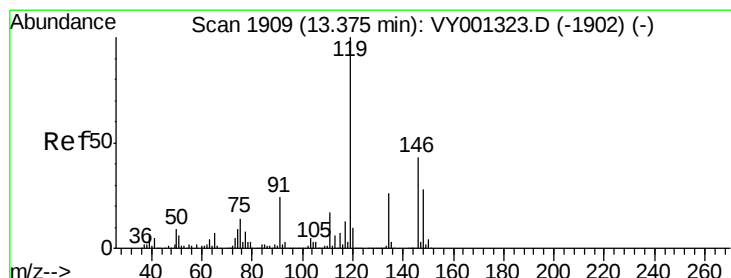
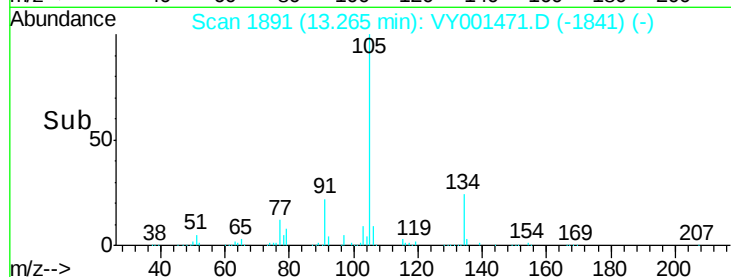
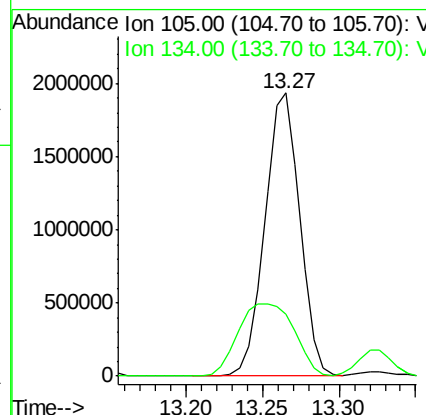
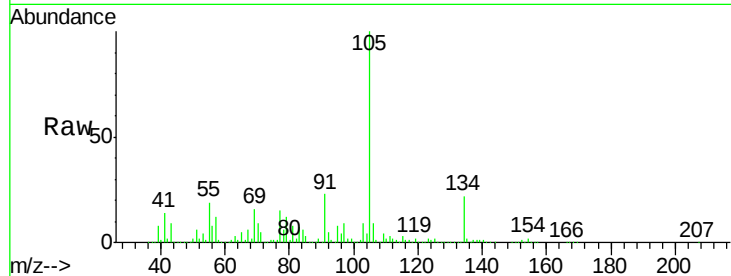




#85
 sec-Butylbenzene
 Concen: 220.070 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VY001471.D
 Acq: 03 Feb 2020 14:00

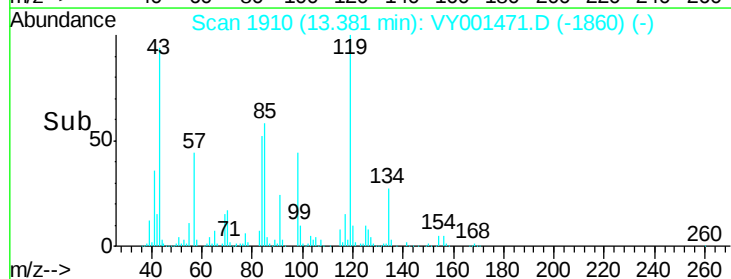
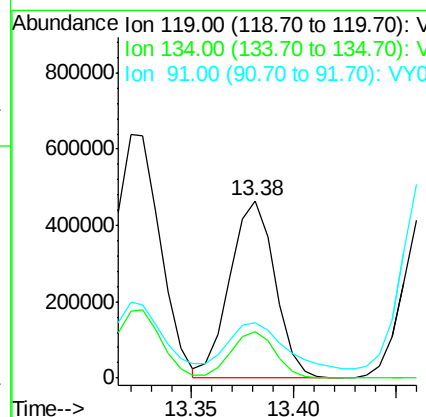
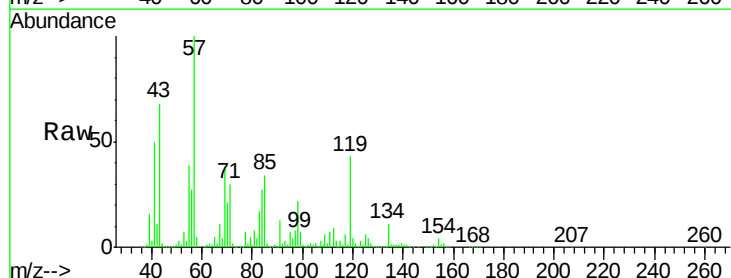
Instrument :
 MSVOA_Y
 ClientSampleId :
 PD-3-(35-37)

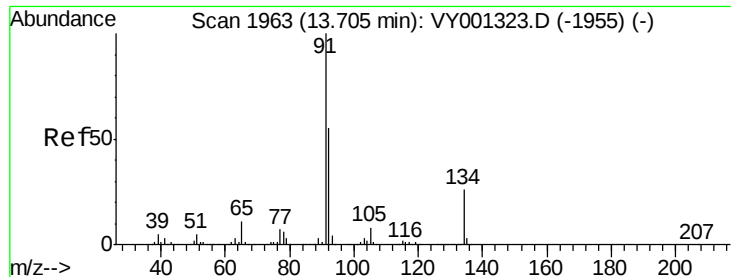
Tot Ion:105 Resp: 3057490
 Ion Ratio Lower Upper
 105 100
 134 41.5 9.8 29.4#



#86
 p-Isopropyltoluene
 Concen: 57.745 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001471.D
 Acq: 03 Feb 2020 14:00

Tgt Ion:119 Resp: 706984
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.5 40.4
 91 31.5 12.2 36.6





#89

n-Butylbenzene

Concen: 516.363 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

PD-3-(35-37)

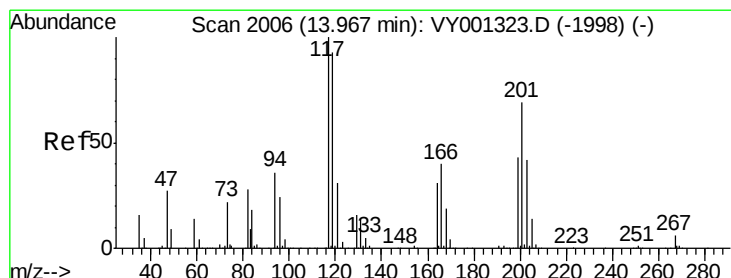
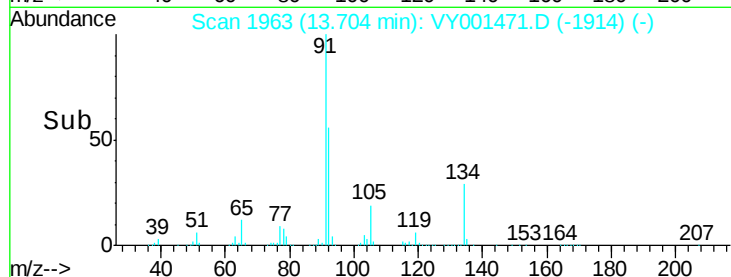
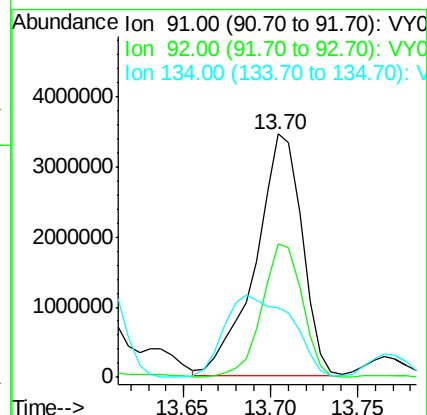
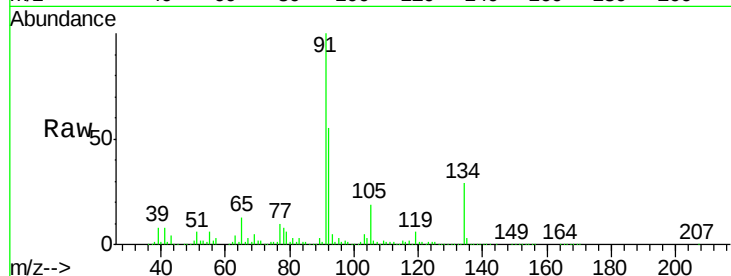
Tot Ion: 91 Resp: 6362562

Ion Ratio Lower Upper

91 100

92 47.6 27.6 82.8

134 49.2 12.9 38.6#



#90

Hexachloroethane

Concen: 688.006 ug/l

RT: 13.98 min Scan# 2009

Delta R.T. 0.02 min

Lab File: VY001471.D

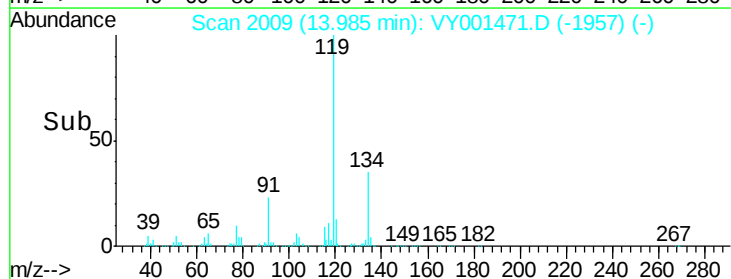
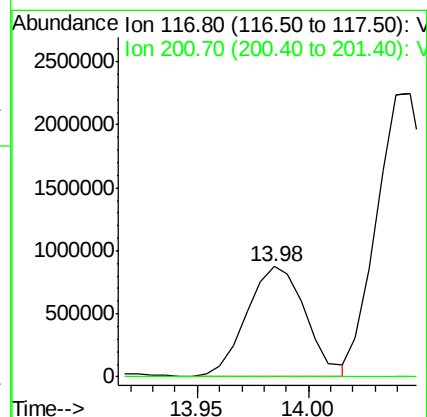
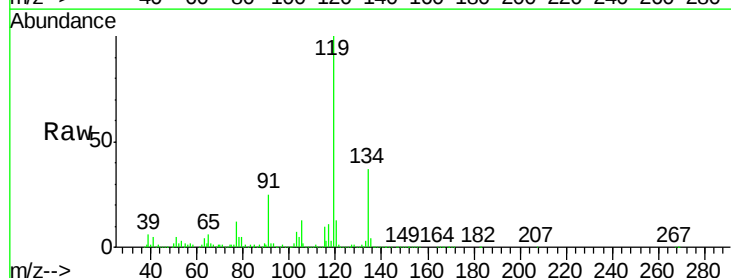
Acq: 03 Feb 2020 14:00

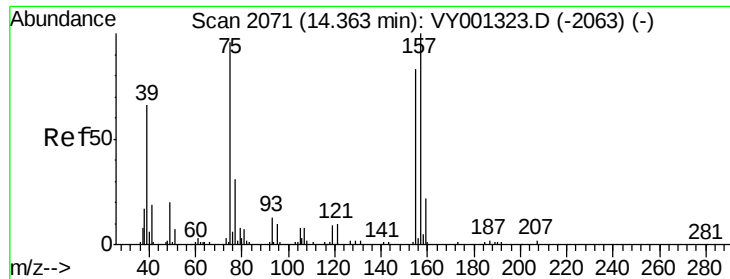
Tgt Ion: 117 Resp: 1596686

Ion Ratio Lower Upper

117 100

201 0.0 34.6 103.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 25.282 ug/l

RT: 14.34 min Scan# 2068

Delta R.T. -0.02 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Instrument :

MSVOA_Y

ClientSampleId :

PD-3-(35-37)

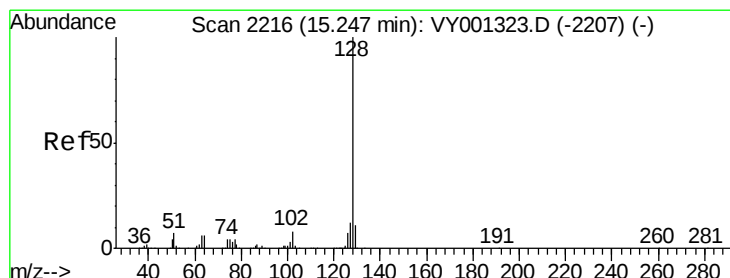
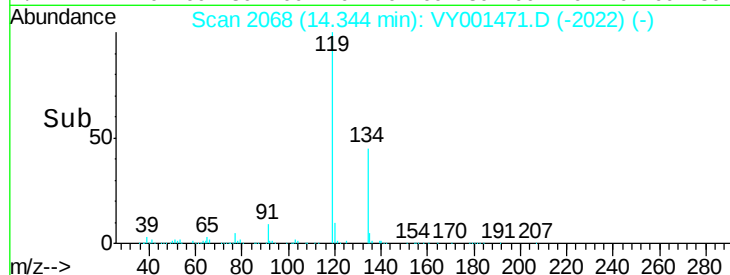
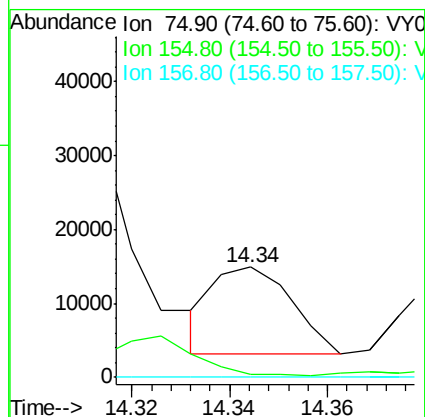
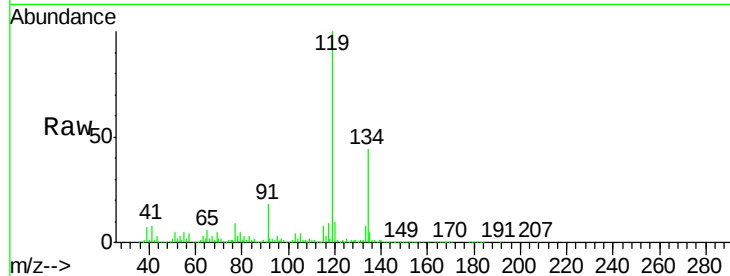
Tot Ion: 75 Resp: 12985

Ion Ratio Lower Upper

75 100

155 0.0 43.0 129.2#

157 0.0 53.3 160.0#



#95

Naphthalene

Concen: 170.852 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY001471.D

Acq: 03 Feb 2020 14:00

Tgt Ion: 128 Resp: 1433560

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.2

129 12.0 8.7 13.1

