

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120319\
 Data File : VY000836.D
 Acq On : 03 Dec 2019 12:21
 Operator : SY/MD
 Sample : K5675-09
 Misc : 5.84G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 03 12:40:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	6833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	12394	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	11644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	5278	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	5440	74.92	ug/l	0.00
Spiked Amount			Recovery	=	149.84%	
35) Dibromofluoromethane	7.72	113	2689	37.23	ug/l	-0.01
Spiked Amount			Recovery	=	74.46%	
50) Toluene-d8	10.17	98	14417	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.48	95	5837	53.82	ug/l	0.00
Spiked Amount			Recovery	=	107.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	129	1.754	ug/l #	41
3) Chloromethane	2.11	50	774	8.537	ug/l	94
5) Bromomethane	2.65	94	287	4.525	ug/l #	3
10) Methyl Iodide	4.12	142	576	6.049	ug/l #	74
13) Acrolein	3.71	56	26	3.613	ug/l #	68
15) Acrylonitrile	5.17	53	80	3.361	ug/l #	18
16) Acetone	3.97	43	924	55.476	ug/l #	40
25) 2-Butanone	6.99	43	109	3.543	ug/l #	49
28) Bromochloromethane	7.60	49	41	2.753	ug/l #	15
29) Tetrahydrofuran	7.36	42	104	5.101	ug/l #	33
31) Cyclohexane	7.80	56	214	1.388	ug/l #	25
36) 1,1-Dichloropropene	7.80	75	520	4.220	ug/l #	41
38) Carbon Tetrachloride	7.79	117	244	2.223	ug/l #	11
41) Methacrylonitrile	7.33	41	117	3.120	ug/l #	56
43) Isopropyl Acetate	8.28	43	222	1.656	ug/l #	52
48) Methyl methacrylate	9.30	41	138	2.340	ug/l #	32
52) Toluene	10.25	92	397	1.786	ug/l #	58
59) 2-Hexanone	10.83	43	944	18.699	ug/l	76
65) Chlorobenzene	11.52	112	390	1.611	ug/l #	43
67) Ethyl Benzene	11.60	91	918	2.037	ug/l #	44
68) m/p-Xylenes	11.69	106	903	5.337	ug/l	76
69) o-Xylene	12.03	106	361	2.288	ug/l	97
73) Isopropylbenzene	12.32	105	545	1.297	ug/l #	69
76) 1,2,3-Trichloropropane	12.48	75	2733	45.703	ug/l #	100
77) Bromobenzene	12.61	156	294	3.227	ug/l #	33
79) 2-Chlorotoluene	12.85	91	708	2.498	ug/l	93
80) 1,3,5-Trimethylbenzene	12.82	105	1457	4.187	ug/l	73
81) trans-1,4-Dichloro-2-buten	12.48	75	2733	89.774	ug/l #	18
82) 4-Chlorotoluene	12.85	91	708	2.424	ug/l	94
83) tert-Butylbenzene	13.08	119	733	2.506	ug/l	93
84) 1,2,4-Trimethylbenzene	13.12	105	2233	6.414	ug/l	96
85) sec-Butylbenzene	13.25	105	940	2.209	ug/l	86
86) p-Isopropyltoluene	13.37	119	898	2.427	ug/l #	69
87) 1,3-Dichlorobenzene	13.35	146	749	4.191	ug/l	85

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Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration

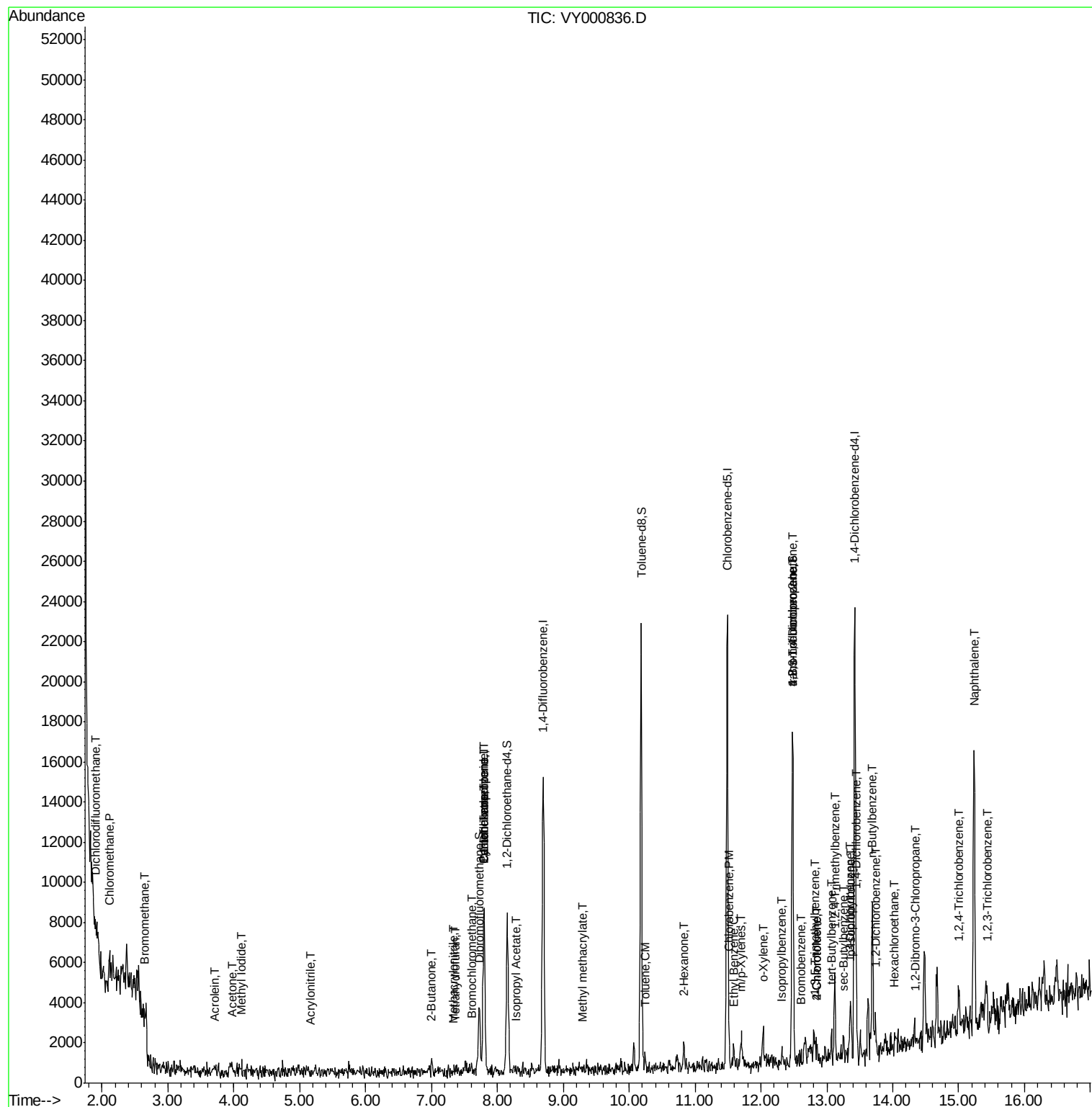
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	13.45	146	686	3.877	ug/l	90
89) n-Butylbenzene	13.69	91	1263	3.376	ug/l	86
90) Hexachloroethane	14.03	117	91	1.335	ug/l #	16
91) 1,2-Dichlorobenzene	13.73	146	562	3.496	ug/l #	67
92) 1,2-Dibromo-3-Chloropropan	14.34	75	24	1.731	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.00	180	689	6.335	ug/l #	82
95) Naphthalene	15.23	128	10669	42.244	ug/l	98
96) 1,2,3-Trichlorobenzene	15.43	180	550	5.661	ug/l	92

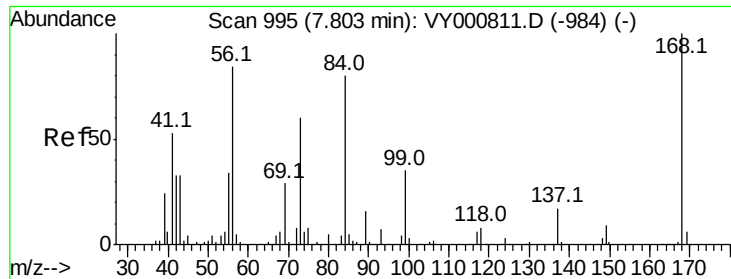
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

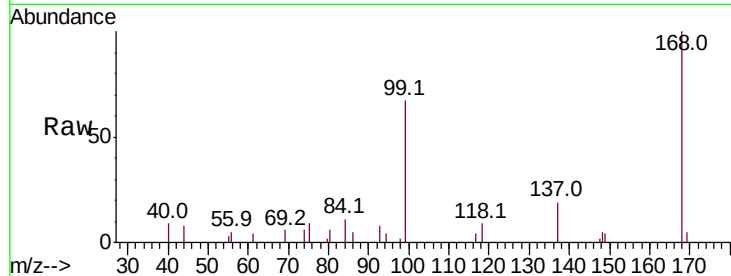
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 6833

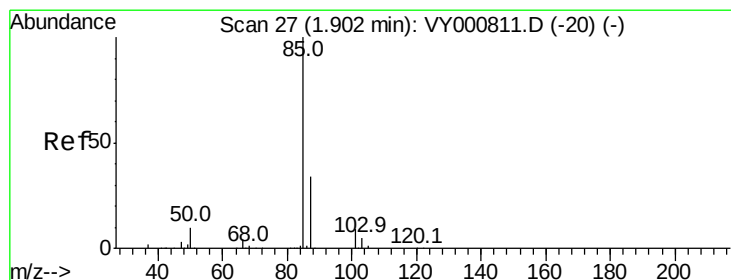
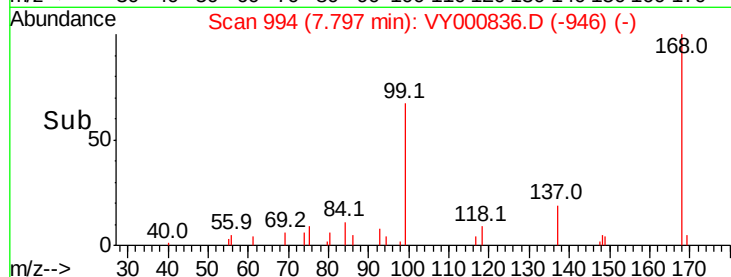
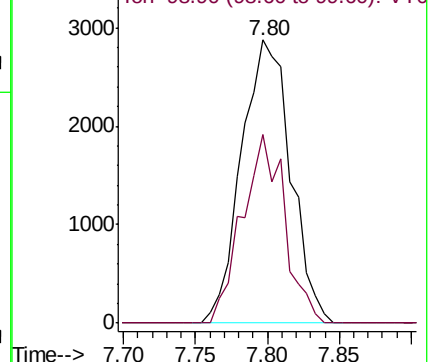
Ion Ratio Lower Upper

168 100

99 66.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000811.D (-984) (-)



#2

Dichlorodifluoromethane

Concen: 1.754 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000836.D

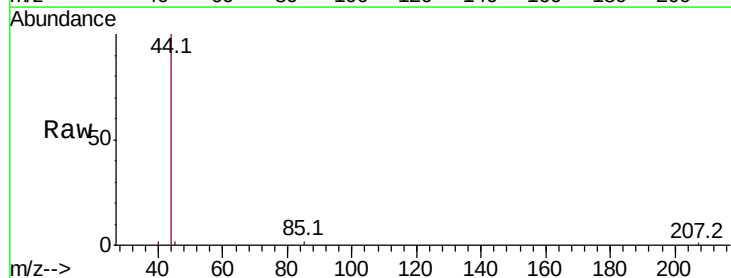
Acq: 03 Dec 2019 12:21

Tgt Ion: 85 Resp: 129

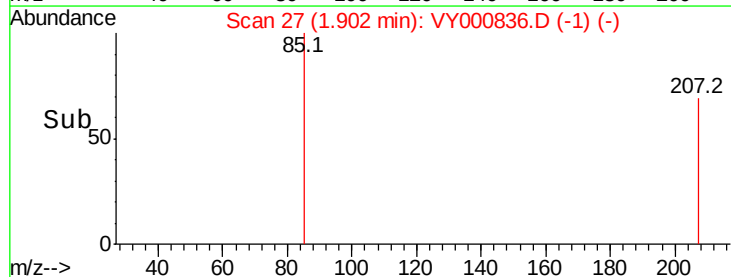
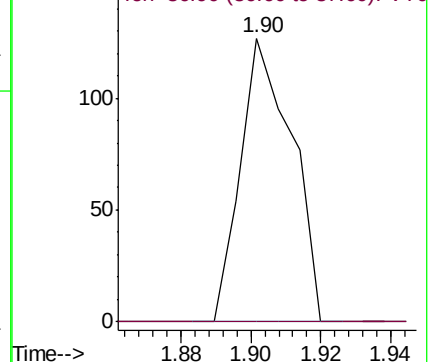
Ion Ratio Lower Upper

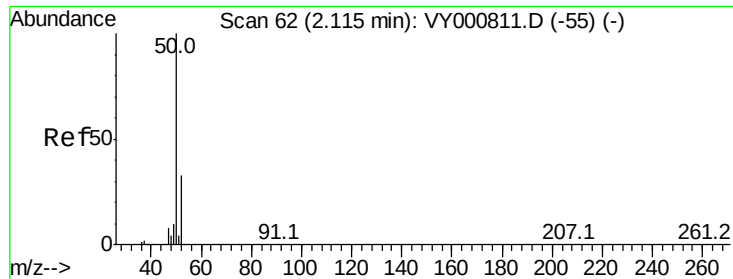
85 100

87 0.0 16.8 50.3#



Abundance Ion 84.90 (84.60 to 85.60): VY000811.D (-20) (-)





#3

Chloromethane

Concen: 8.537 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

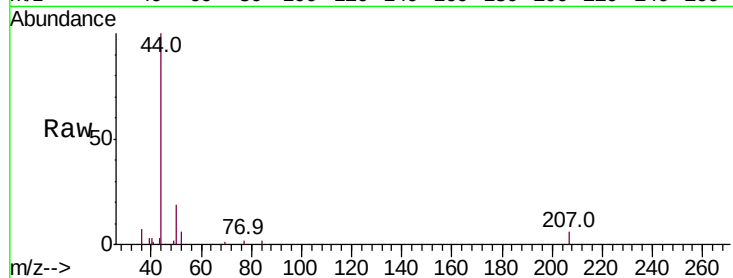
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 50 Resp: 774

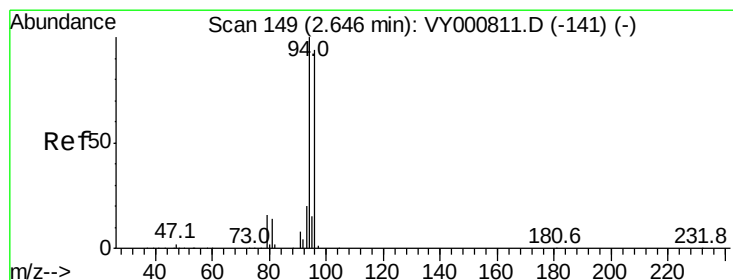
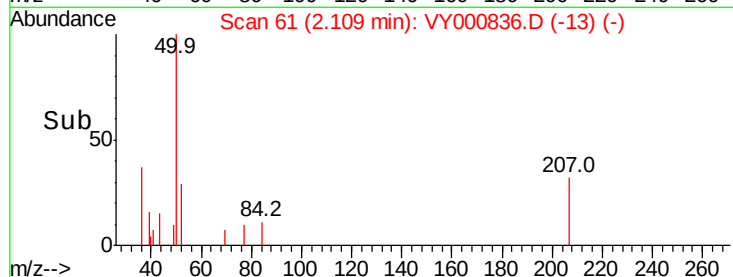
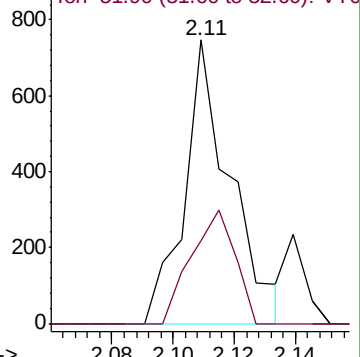
Ion Ratio Lower Upper

50 100

52 29.2 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VY000811.D (-55) (-)



#5

Bromomethane

Concen: 4.525 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY000836.D

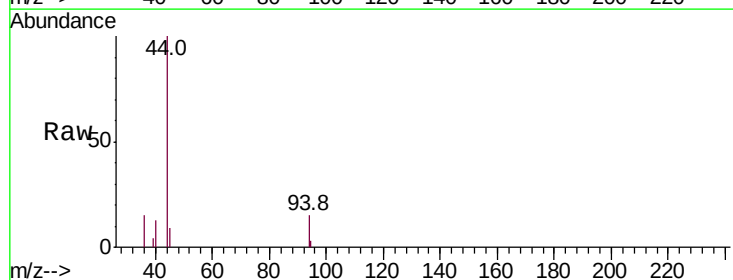
Acq: 03 Dec 2019 12:21

Tgt Ion: 94 Resp: 287

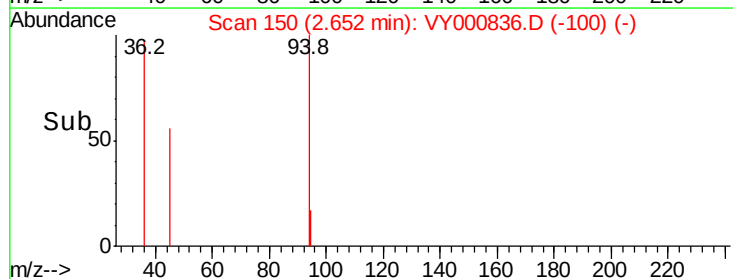
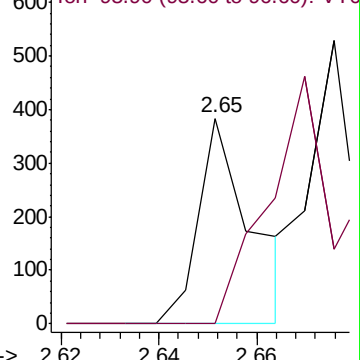
Ion Ratio Lower Upper

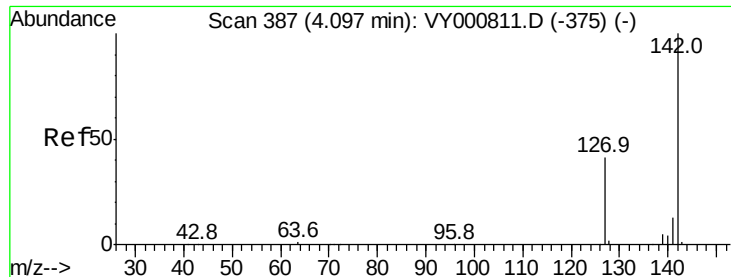
94 100

96 0.0 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VY000811.D (-141) (-)

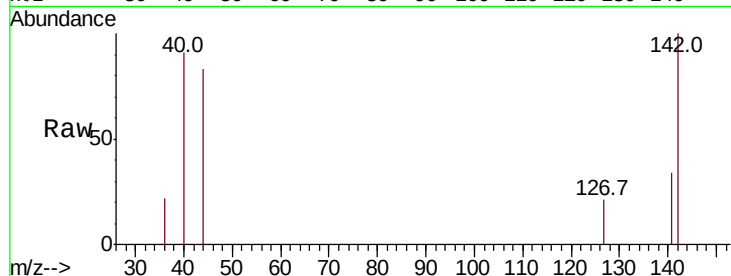




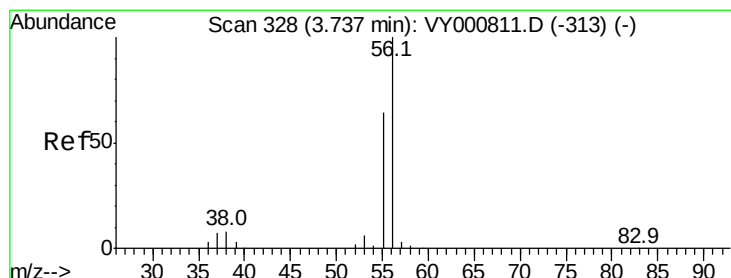
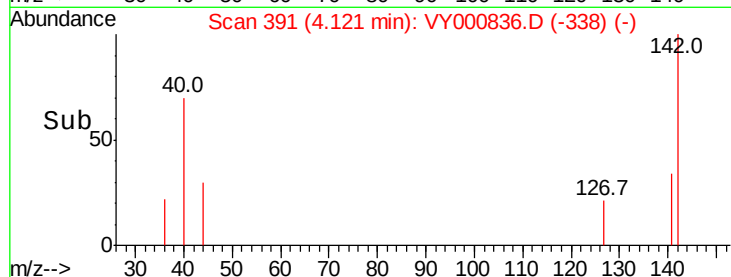
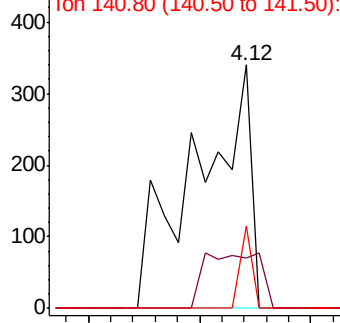
#10
Methvl Iodide
Concen: 6.049 ug/l
RT: 4.12 min Scan# 391
Delta R.T. 0.02 min
Lab File: VY000836.D
Acq: 03 Dec 2019 12:21

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:142 Resp: 576
Ion Ratio Lower Upper
142 100
127 23.4 33.8 50.8#
141 7.3 10.9 16.3#

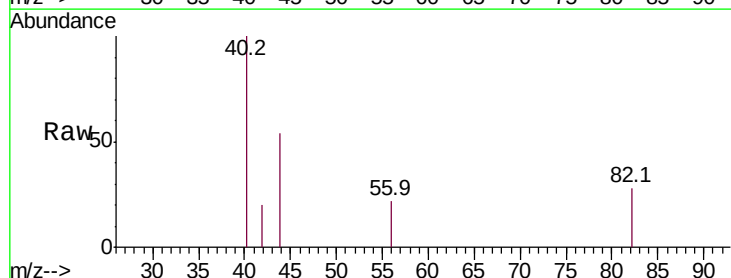


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

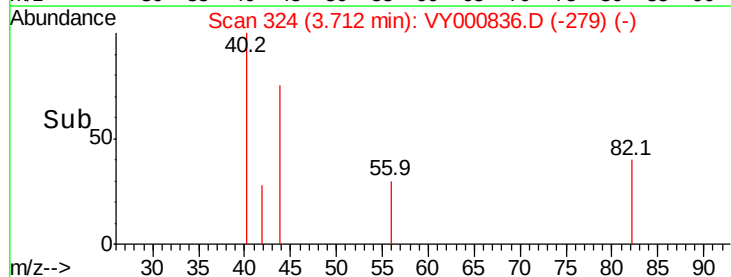
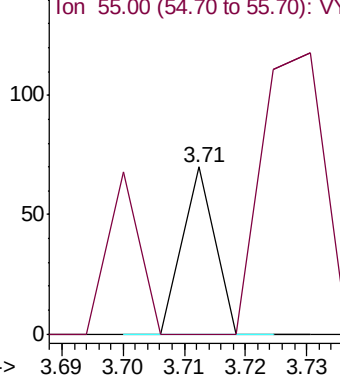


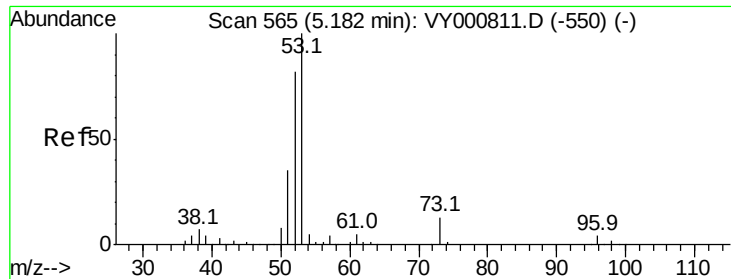
#13
Acrolein
Concen: 3.613 ug/l
RT: 3.71 min Scan# 324
Delta R.T. -0.02 min
Lab File: VY000836.D
Acq: 03 Dec 2019 12:21

Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 96.2 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 55.00 (54.70 to 55.70): VY0





#15

Acrylonitrile

Concen: 3.361 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

Instrument :
MSVOA_Y
ClientSampleId :

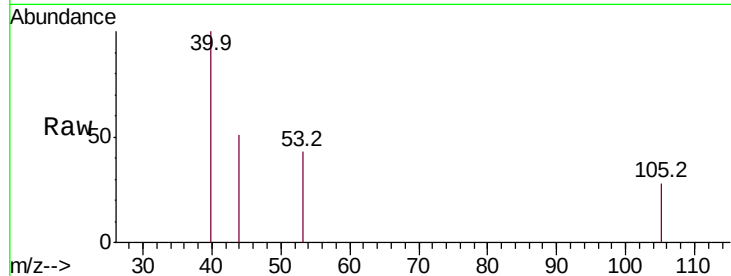
Tot Ion: 53 Resp: 80

Ion Ratio Lower Upper

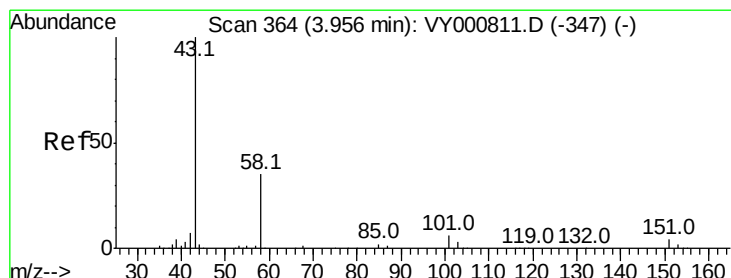
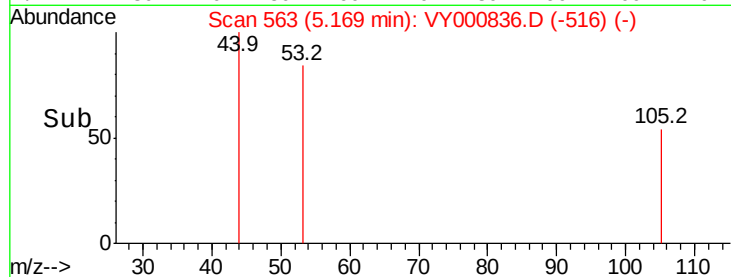
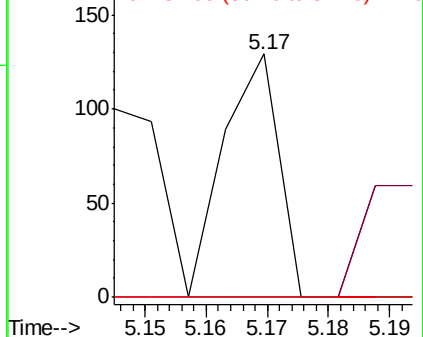
53 100

52 0.0 65.1 97.7#

51 0.0 29.0 43.4#



Abundance Ion 53.00 (52.70 to 53.70): VY0
Ion 52.00 (51.70 to 52.70): VY0
Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 55.476 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY000836.D

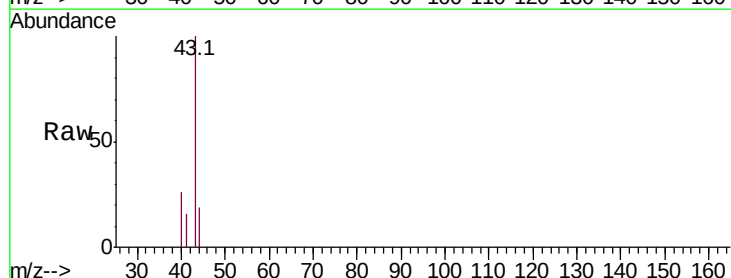
Acq: 03 Dec 2019 12:21

Tgt Ion: 43 Resp: 924

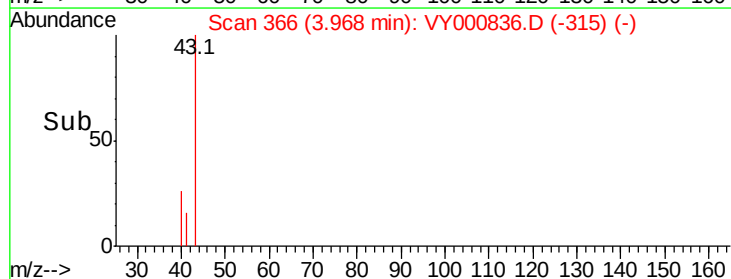
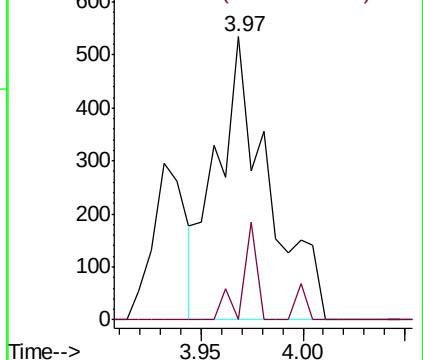
Ion Ratio Lower Upper

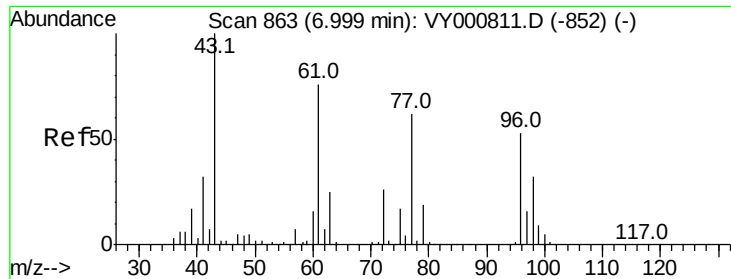
43 100

58 0.0 28.0 42.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0





#25

2-Butanone

Concen: 3.543 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

Instrument :

MSVOA_Y

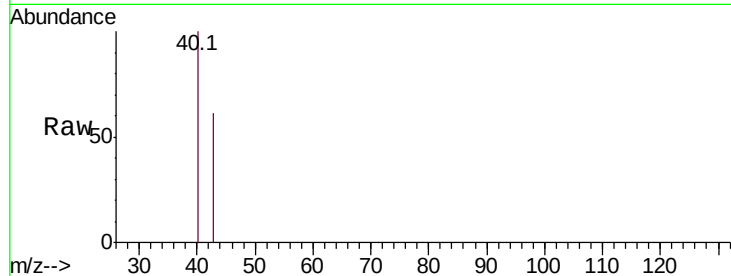
ClientSampled :

Tot Ion: 43 Resp: 109

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

150

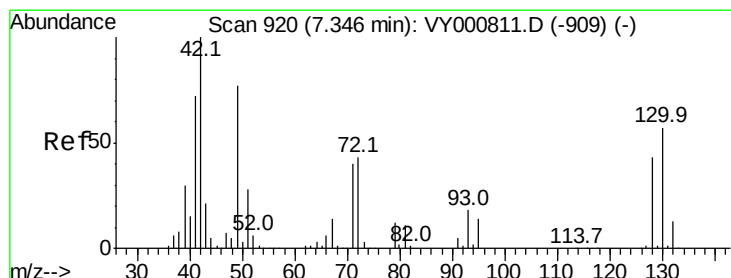
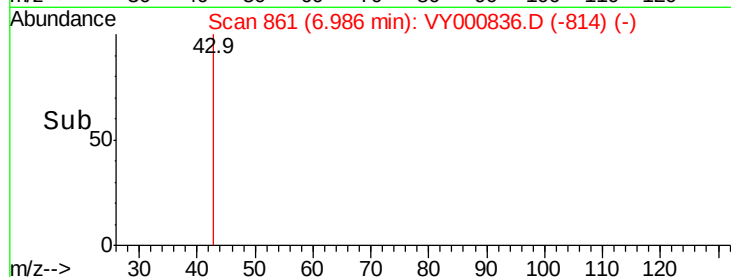
100

50

0

6.96 6.98 6.99 7.00

Time-->



#28

Bromochloromethane

Concen: 2.753 ug/l

RT: 7.60 min Scan# 962

Delta R.T. 0.26 min

Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

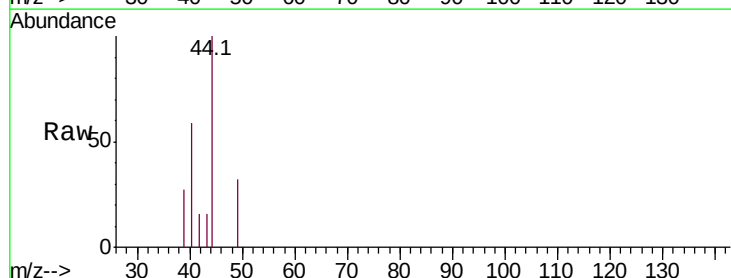
Tgt Ion: 49 Resp: 41

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 58.7 88.1#



Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

150

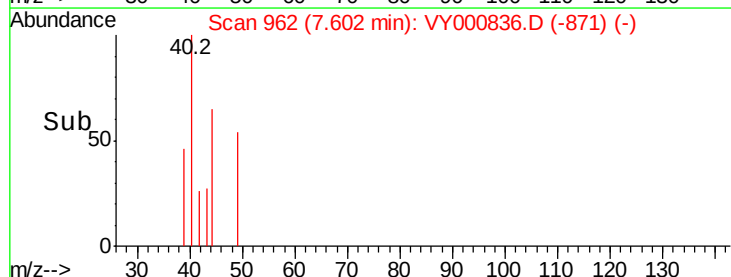
100

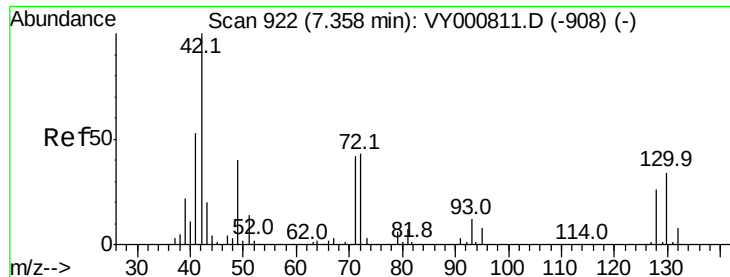
50

0

7.59 7.60 7.61

Time-->





#29

Tetrahydrofuran

Concen: 5.101 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

Instrument :

MSVOA_Y

ClientSampleId :

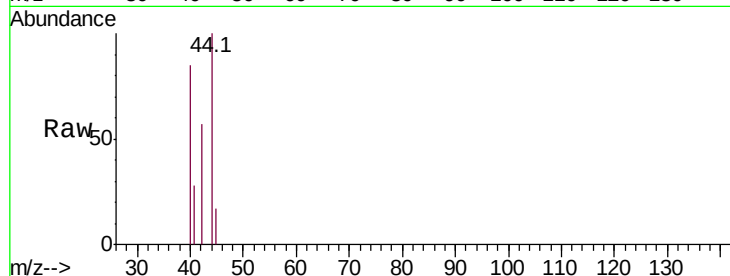
Tot Ion: 42 Resp: 104

Ion Ratio Lower Upper

42 100

72 0.0 35.1 52.7#

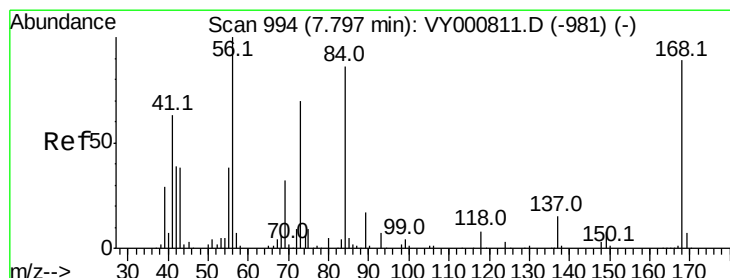
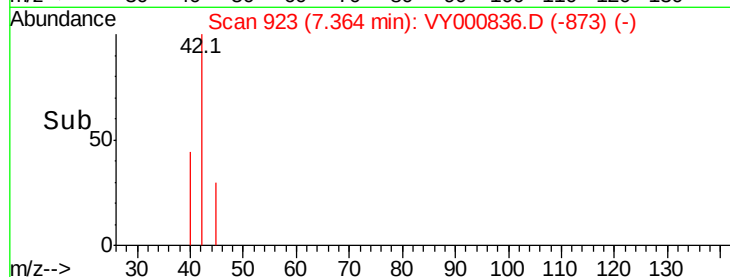
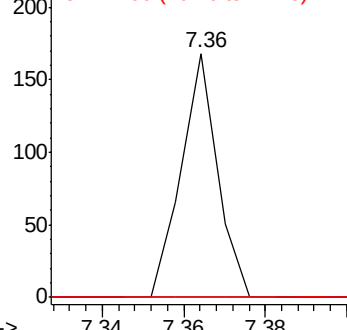
71 0.0 32.8 49.2#



Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#31

Cyclohexane

Concen: 1.388 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

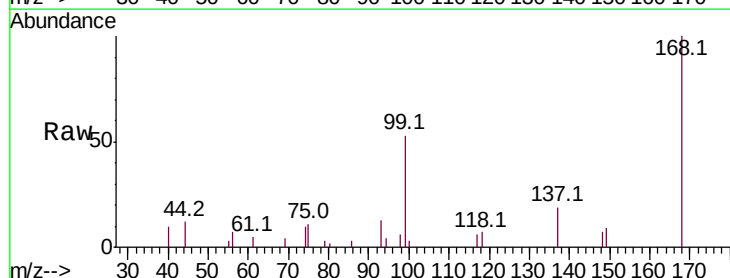
Tgt Ion: 56 Resp: 214

Ion Ratio Lower Upper

56 100

69 17.6 25.9 38.9#

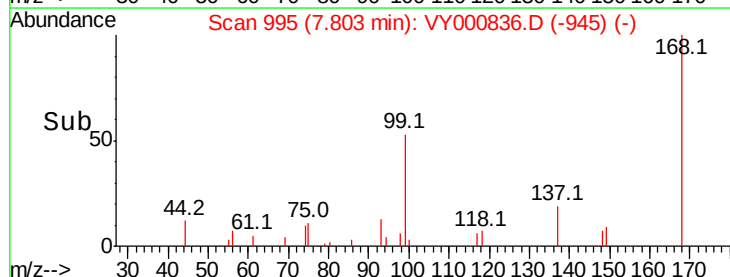
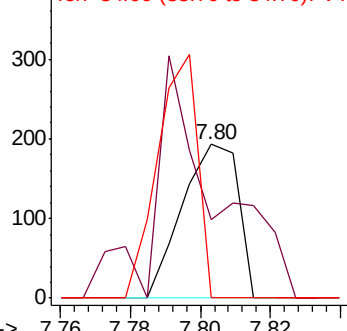
84 0.0 68.6 102.8#

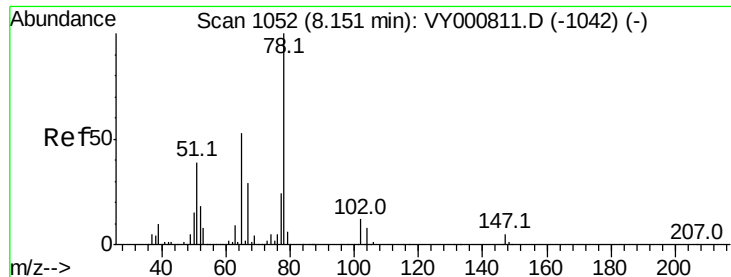


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

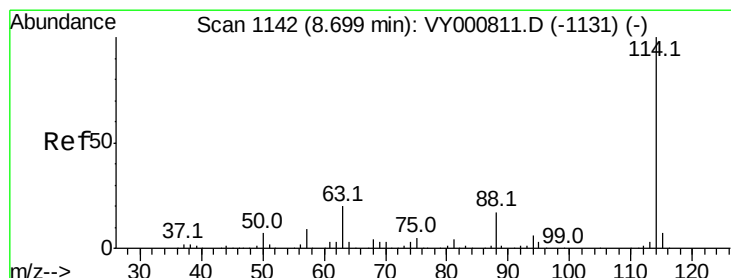
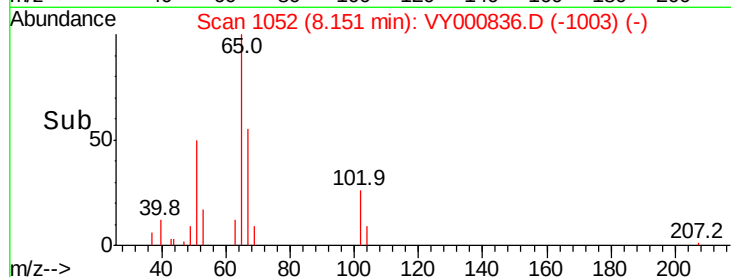
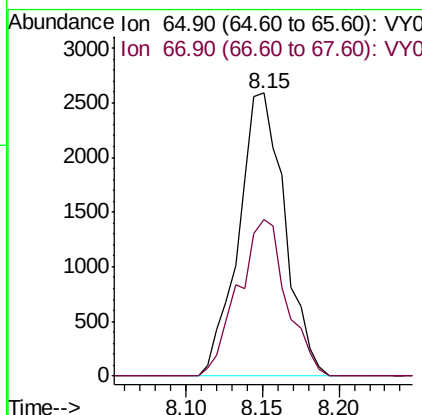
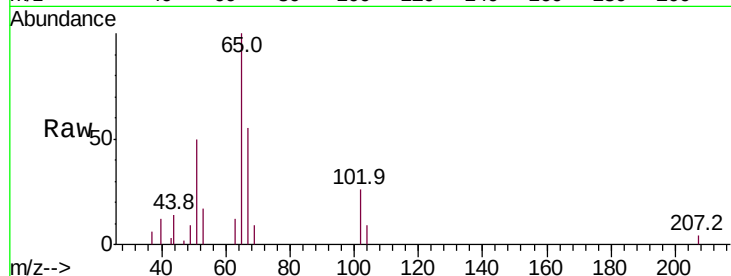




#33
 1,2-Dichloroethane-d4
 Concen: 74.925 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000836.D
 Acq: 03 Dec 2019 12:21

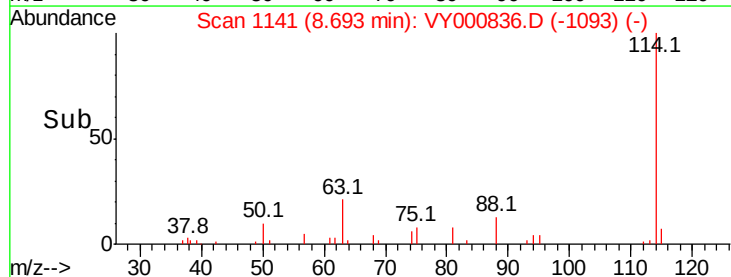
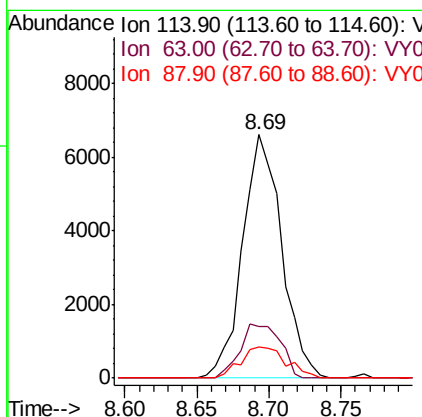
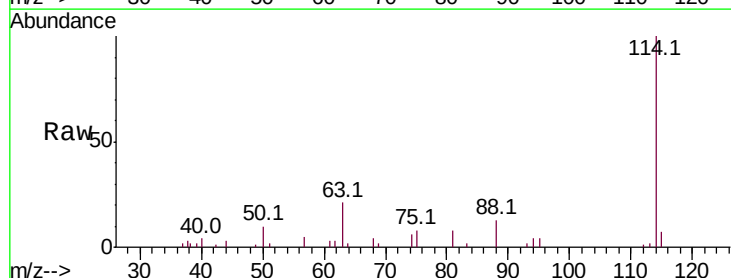
Instrument :
 MSVOA_Y
 ClientSampleId :

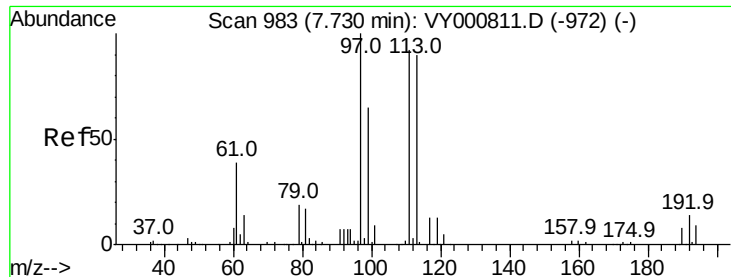
Tot Ion: 65 Resp: 5440
 Ion Ratio Lower Upper
 65 100
 67 57.5 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000836.D
 Acq: 03 Dec 2019 12:21

Tgt Ion: 114 Resp: 12394
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 39.8
 88 12.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 37.227 ug/l

RT: 7.72 min Scan# 981

Delta R.T. -0.01 min

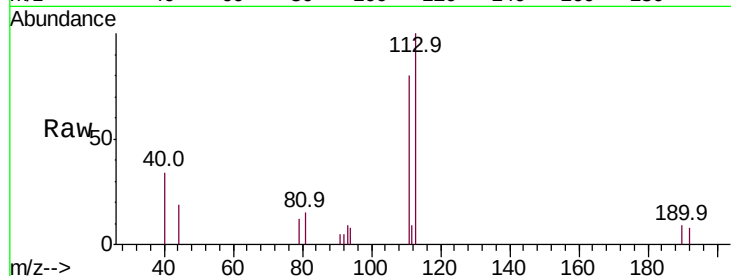
Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:113 Resp: 2689

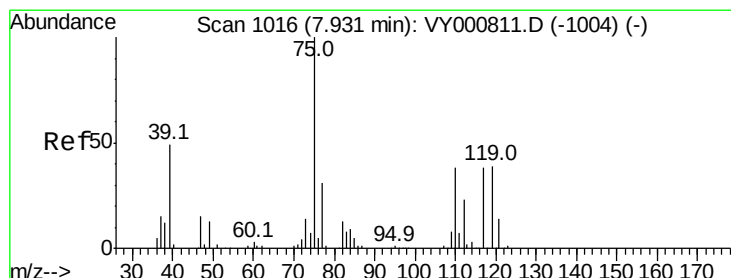
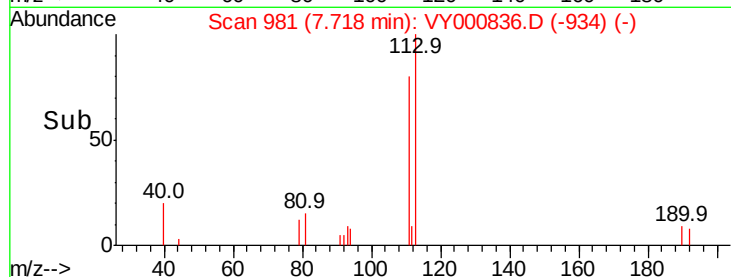
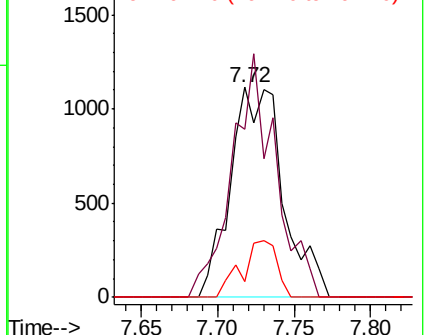
Ion	Ratio	Lower	Upper
113	100		
111	94.2	82.4	123.6
192	17.7	14.2	21.2



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: 4.220 ug/l

RT: 7.80 min Scan# 995

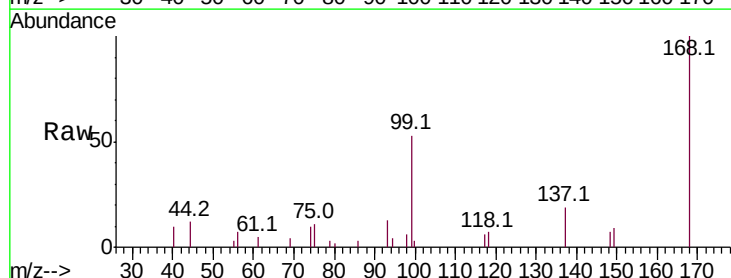
Delta R.T. -0.13 min

Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

Tgt Ion: 75 Resp: 520

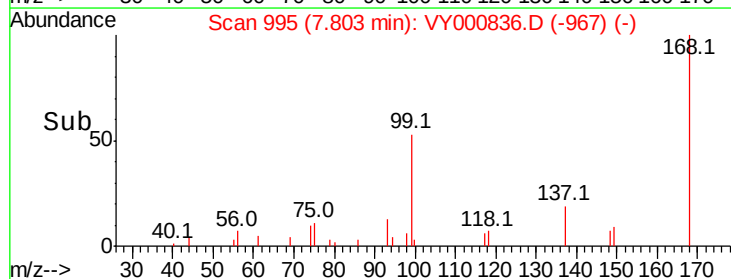
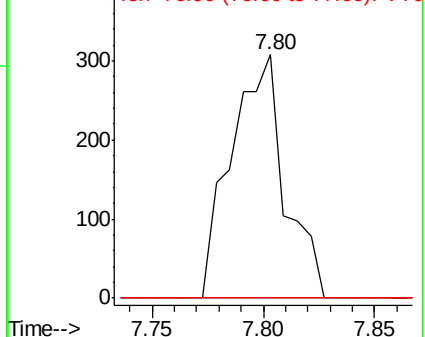
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.9	53.7#
77	0.0	24.7	37.1#

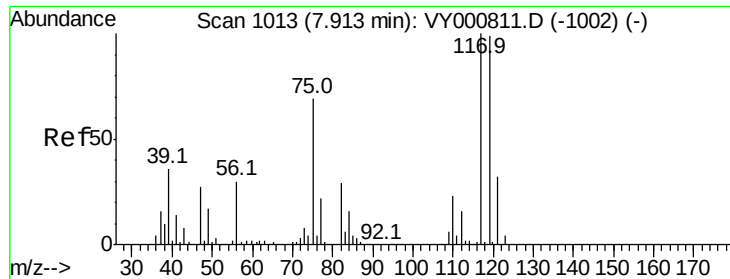


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 2.223 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

Instrument :

MSVOA_Y

ClientSampleId :

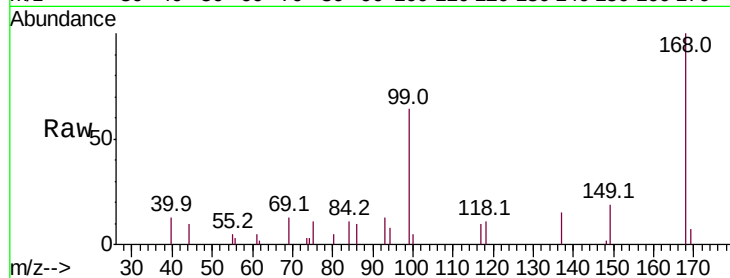
Tot Ion:117 Resp: 244

Ion Ratio Lower Upper

117 100

119 0.0 79.3 118.9#

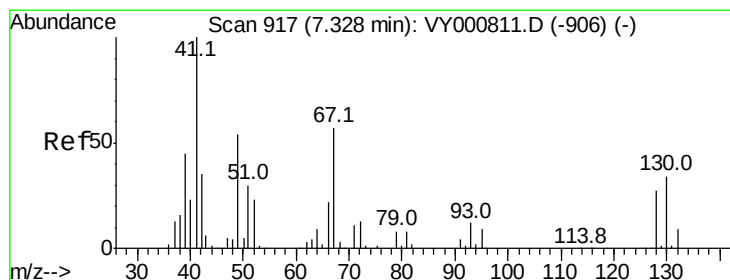
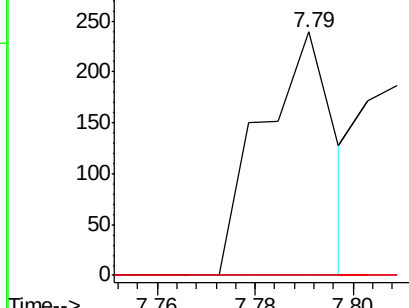
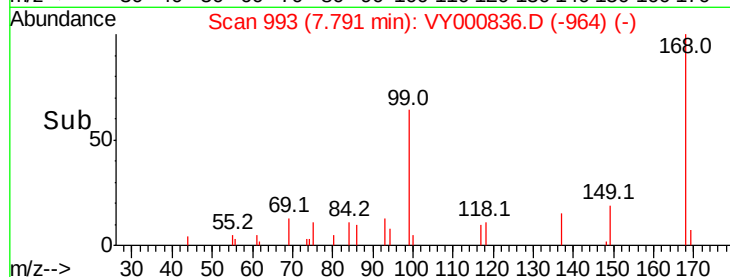
121 0.0 25.5 38.3#



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



#41

Methacrylonitrile

Concen: 3.120 ug/l

RT: 7.33 min Scan# 918

Delta R.T. 0.01 min

Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

Tgt Ion: 41 Resp: 117

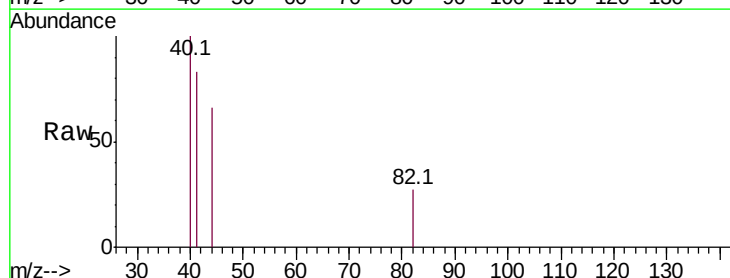
Ion Ratio Lower Upper

41 100

39 70.9 95.7 143.5#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

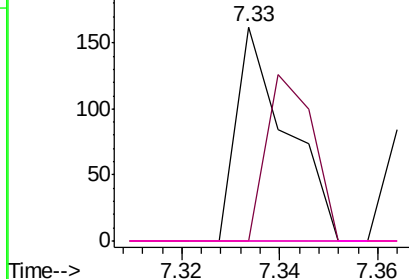
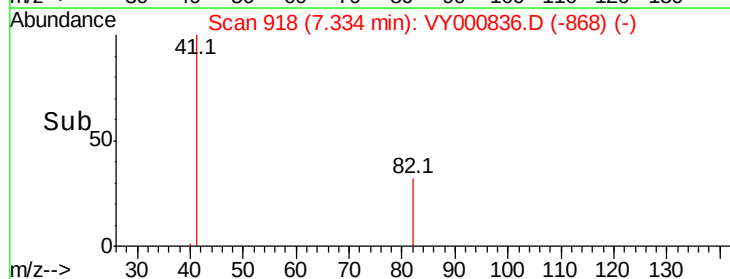


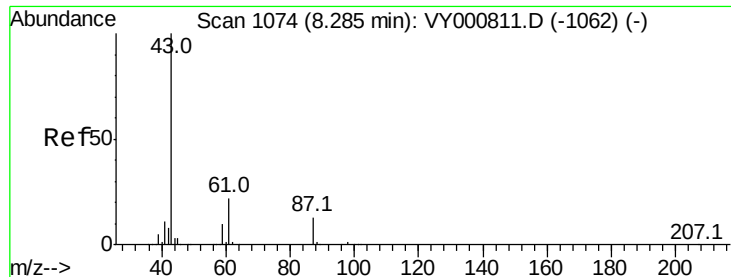
Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#43

Isopropyl Acetate

Concen: 1.656 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

Instrument :

MSVOA_Y

ClientSampled :

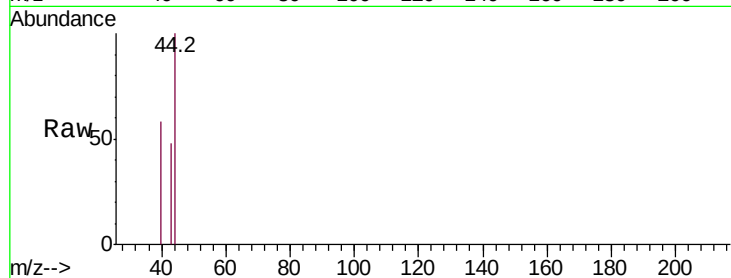
Tot Ion: 43 Resp: 222

Ion Ratio Lower Upper

43 100

61 0.0 23.7 35.5#

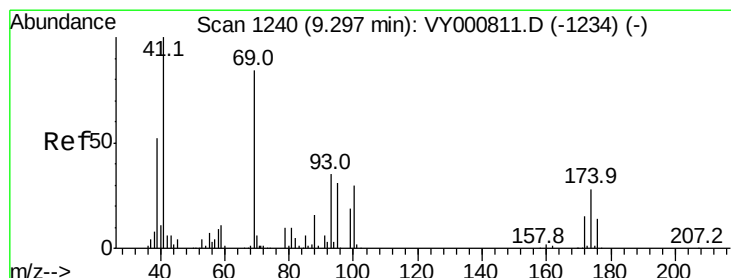
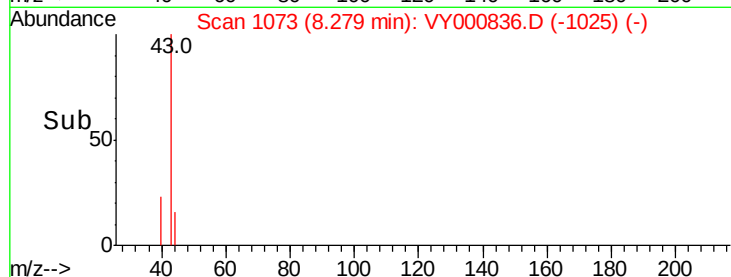
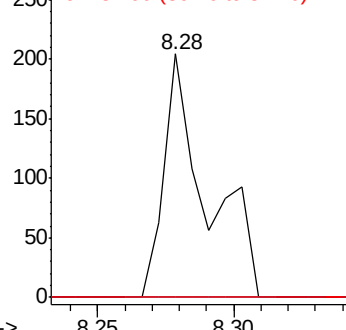
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#48

Methyl methacrylate

Concen: 2.340 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

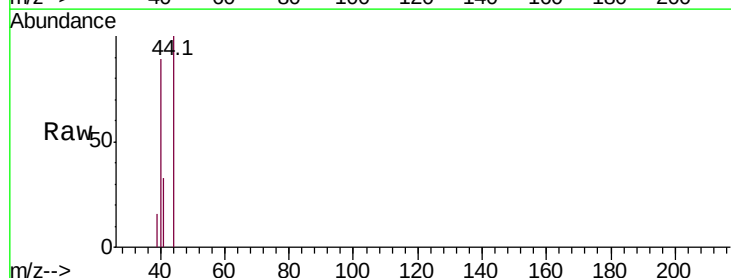
Tgt Ion: 41 Resp: 138

Ion Ratio Lower Upper

41 100

69 0.0 70.4 105.6#

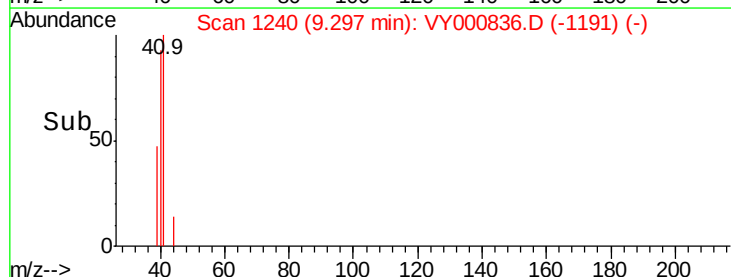
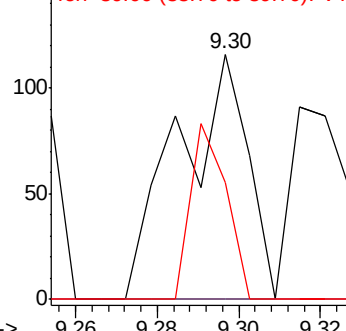
39 36.2 40.9 61.3#

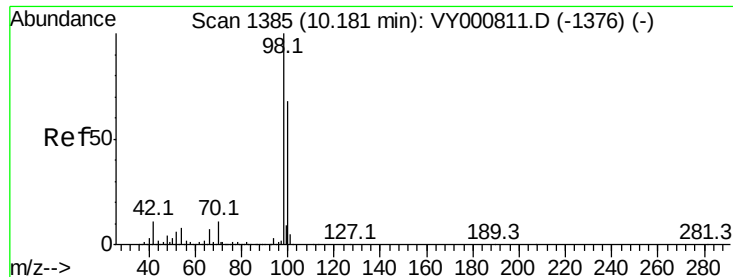


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

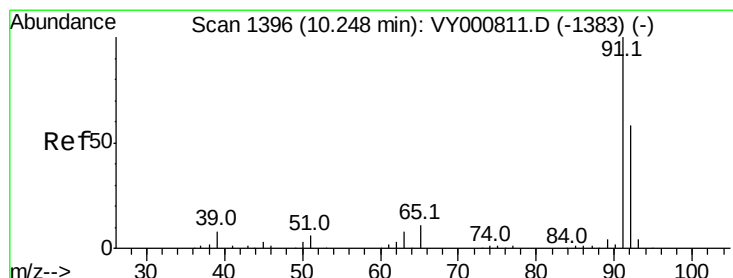
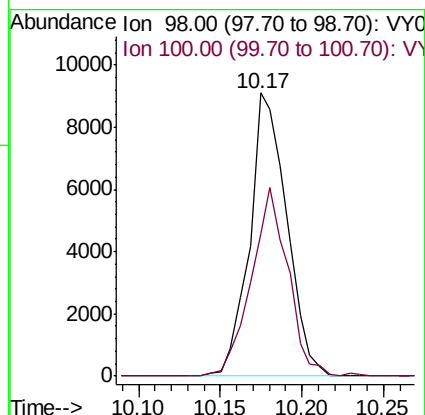
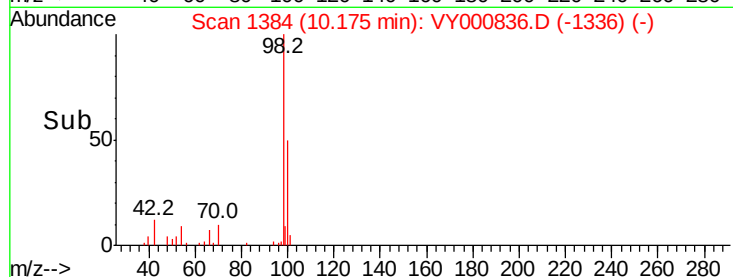
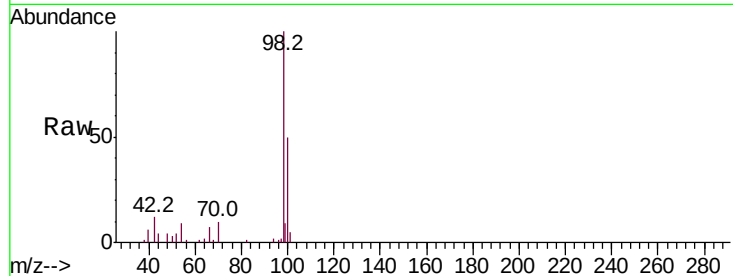




#50
Toluene-d8
Concen: 49.924 ug/l
RT: 10.17 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VY000836.D
Acq: 03 Dec 2019 12:21

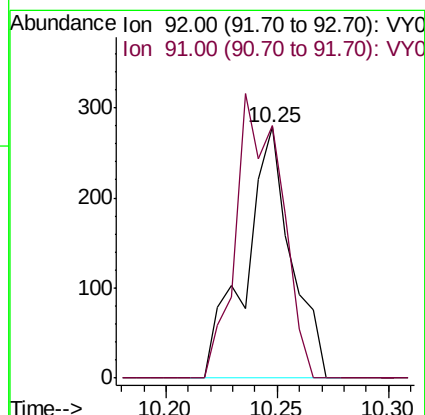
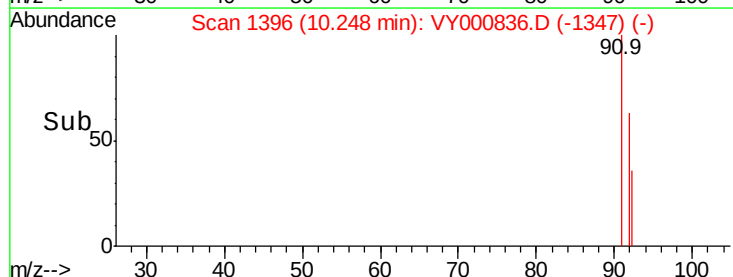
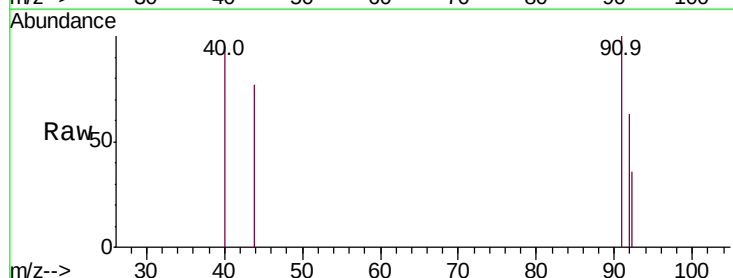
Instrument :
MSVOA_Y
ClientSampled :

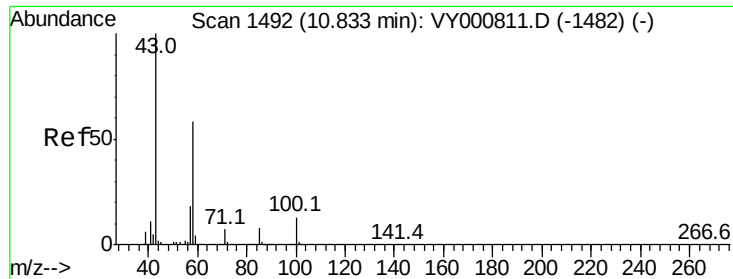
Tot Ion: 98 Resp: 14417
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7



#52
Toluene
Concen: 1.786 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VY000836.D
Acq: 03 Dec 2019 12:21

Tgt Ion: 92 Resp: 397
Ion Ratio Lower Upper
92 100
91 112.8 136.6 204.8#

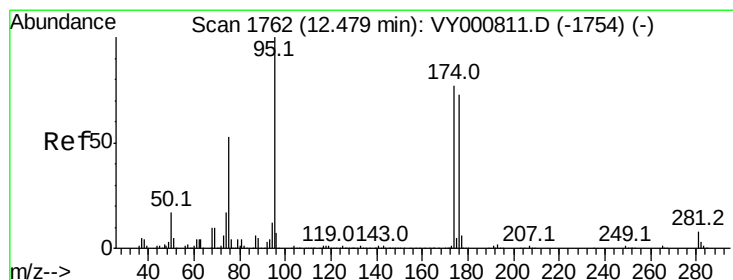
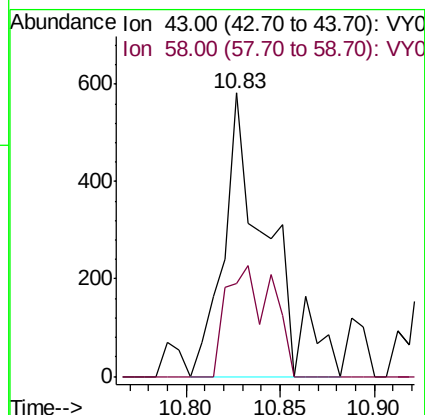
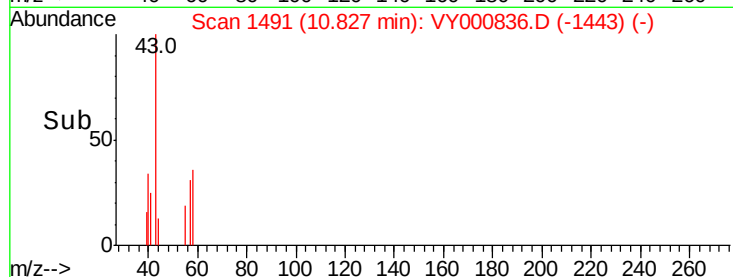
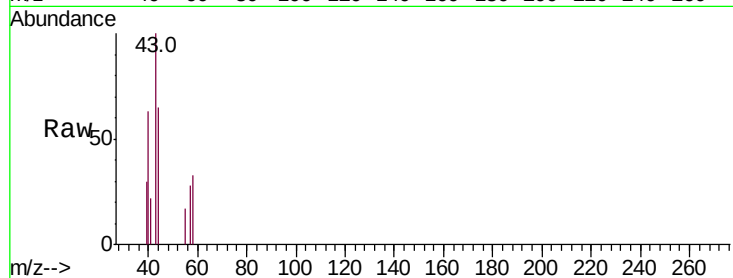




#59
2-Hexanone
Concen: 18.699 ug/l
RT: 10.83 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VY000836.D
Acq: 03 Dec 2019 12:21

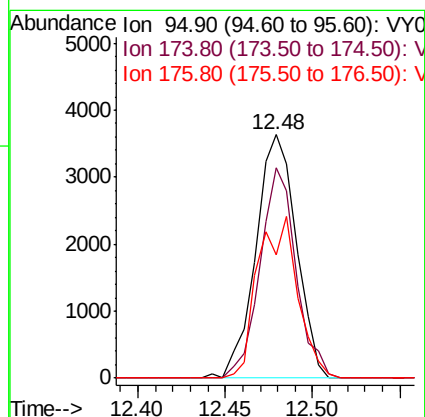
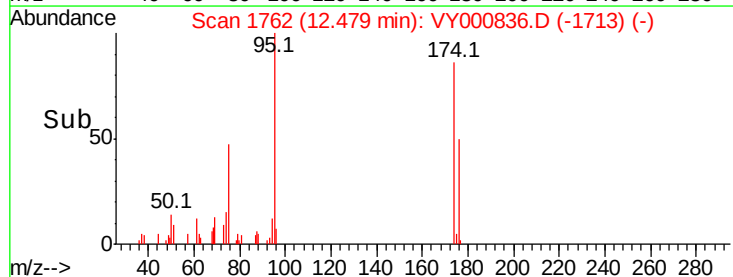
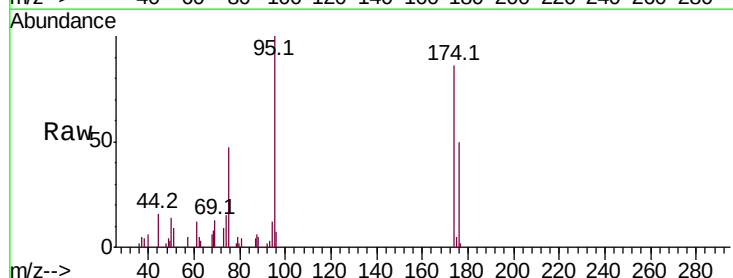
Instrument :
MSVOA_Y
ClientSampleId :

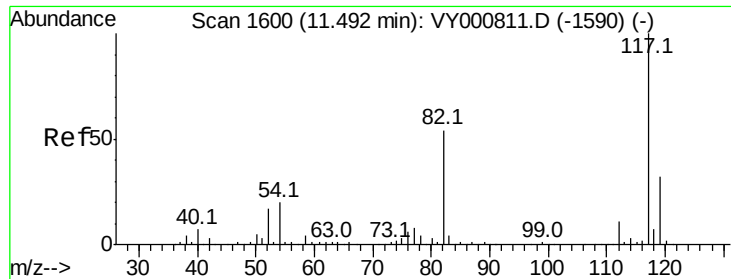
Tot Ion: 43 Resp: 944
Ion Ratio Lower Upper
43 100
58 40.3 29.0 87.1



#62
4-Bromofluorobenzene
Concen: 53.821 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000836.D
Acq: 03 Dec 2019 12:21

Tgt Ion: 95 Resp: 5837
Ion Ratio Lower Upper
95 100
174 76.8 0.0 150.6
176 65.1 0.0 145.2

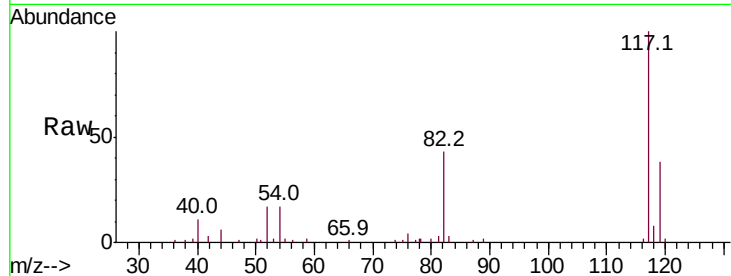




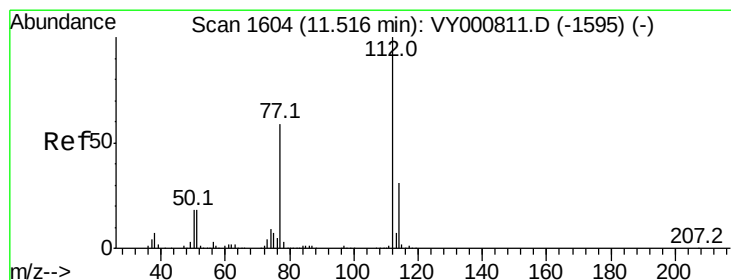
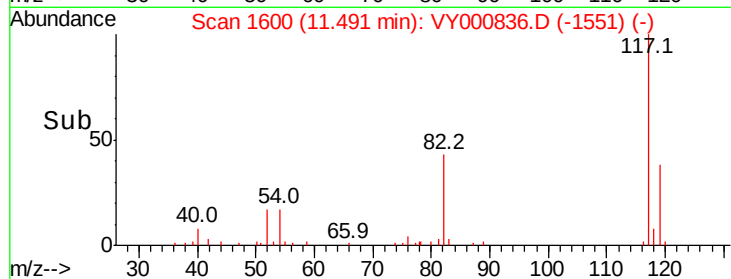
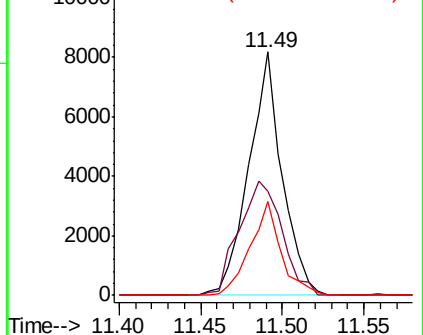
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000836.D
Acq: 03 Dec 2019 12:21

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 11644
Ion Ratio Lower Upper
117 100
82 43.0 43.1 64.7#
119 38.4 25.3 37.9#

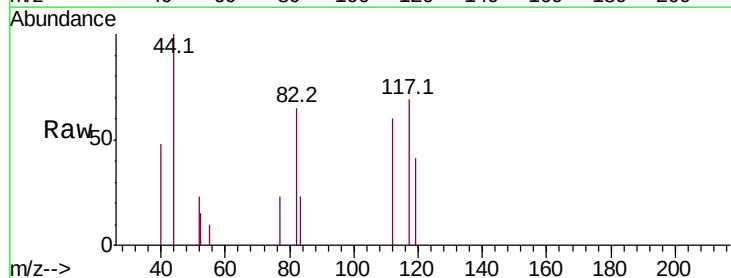


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

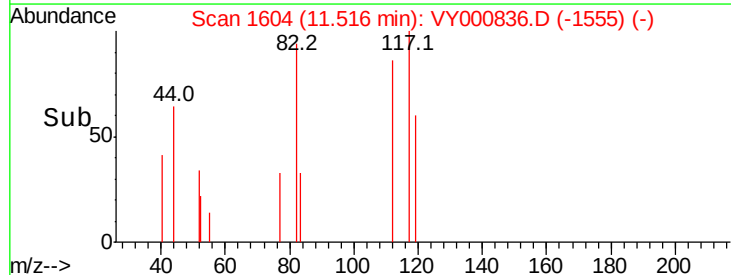
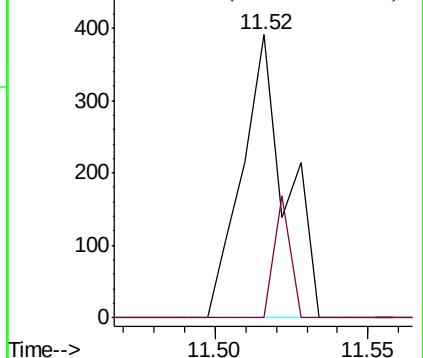


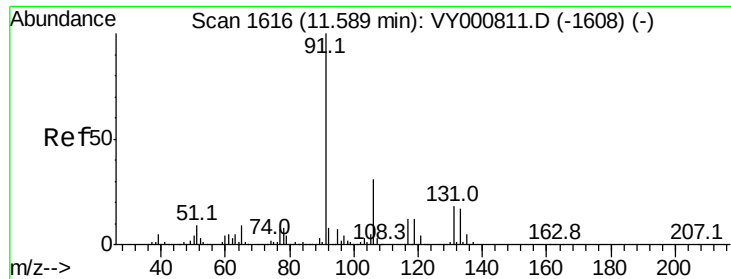
#65
Chlorobenzene
Concen: 1.611 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY000836.D
Acq: 03 Dec 2019 12:21

Tgt Ion:112 Resp: 390
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

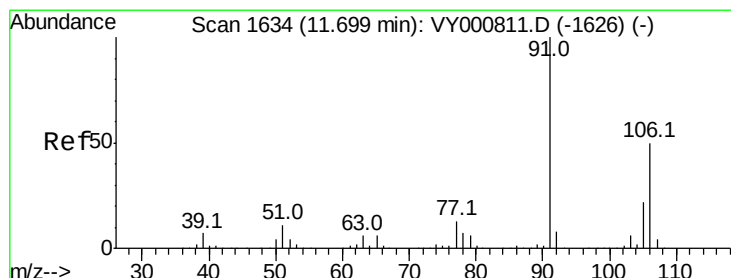
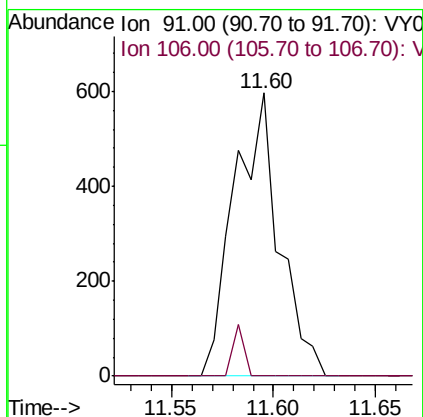
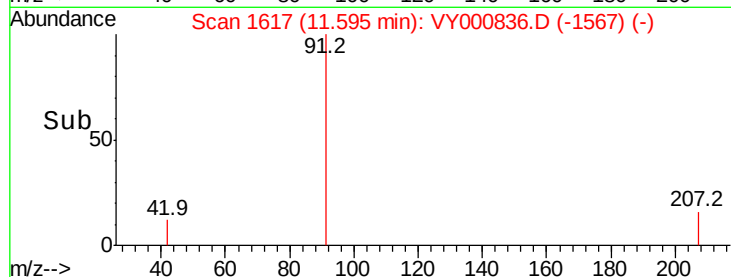
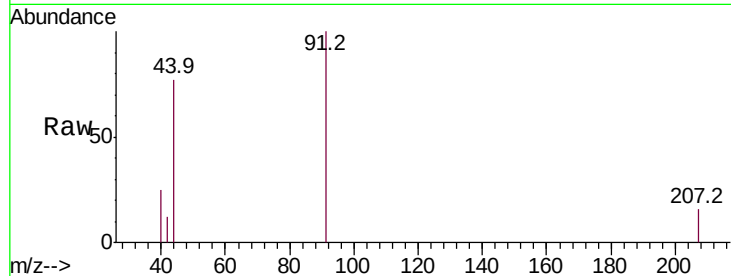




#67
Ethyl Benzene
Concen: 2.037 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000836.D
Acq: 03 Dec 2019 12:21

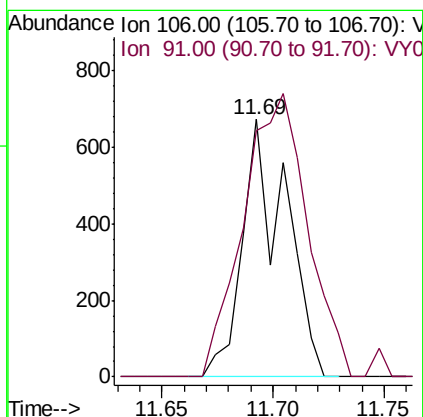
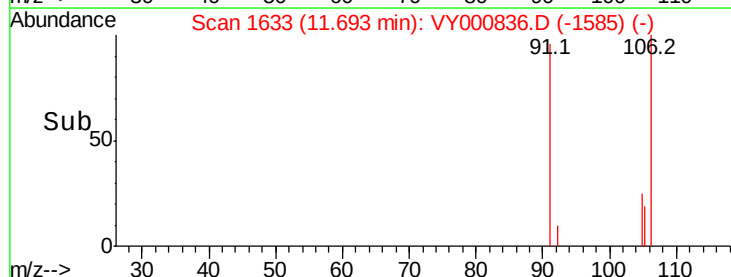
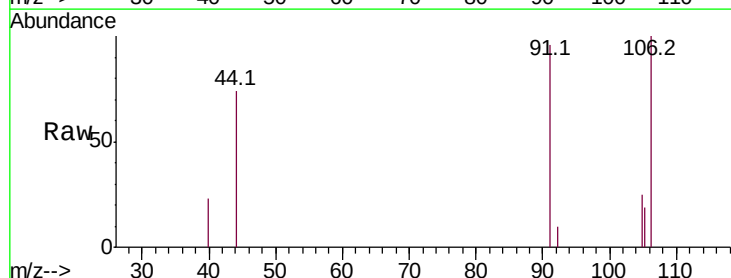
Instrument :
MSVOA_Y
ClientSampleId :

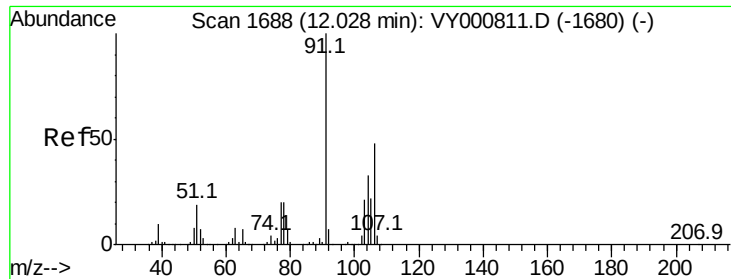
Tot Ion: 91 Resp: 918
Ion Ratio Lower Upper
91 100
106 0.0 24.4 36.6#



#68
m/p-Xylenes
Concen: 5.337 ug/l
RT: 11.69 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VY000836.D
Acq: 03 Dec 2019 12:21

Tgt Ion: 106 Resp: 903
Ion Ratio Lower Upper
106 100
91 163.6 159.6 239.4

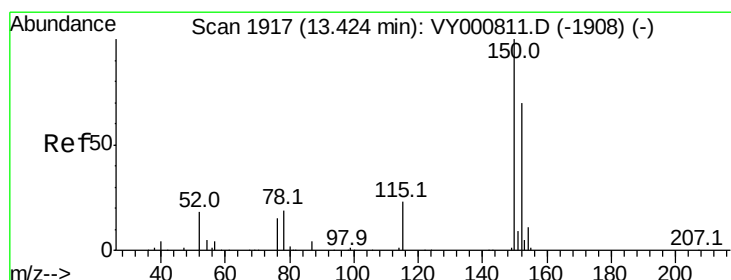
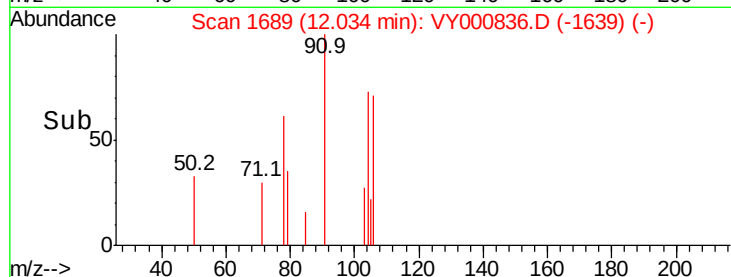
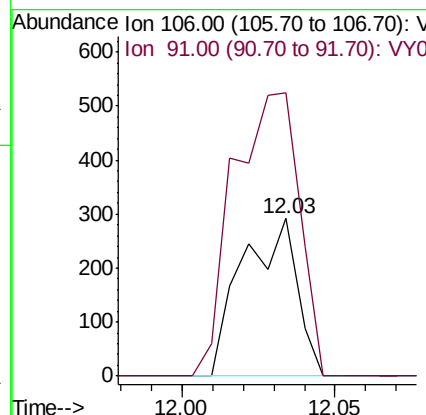
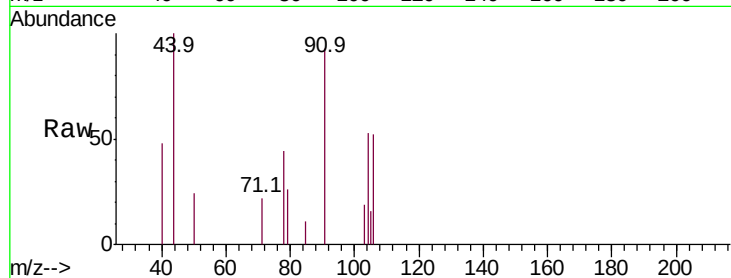




#69
o-Xylene
Concen: 2.288 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY000836.D
Acq: 03 Dec 2019 12:21

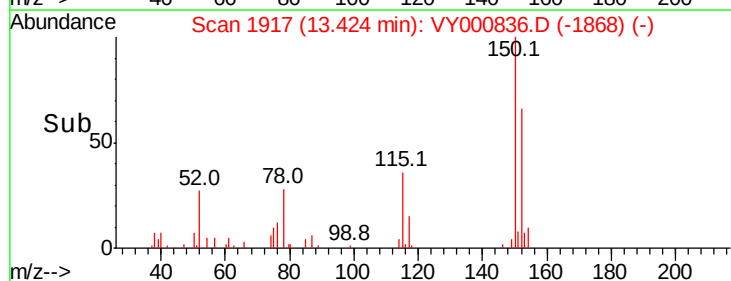
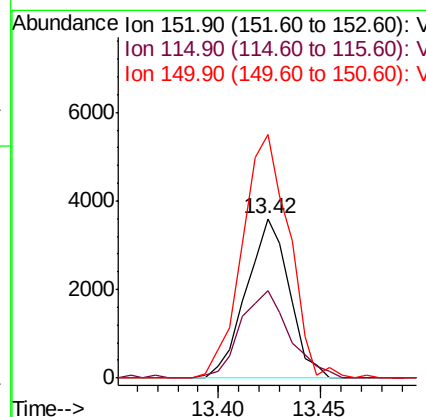
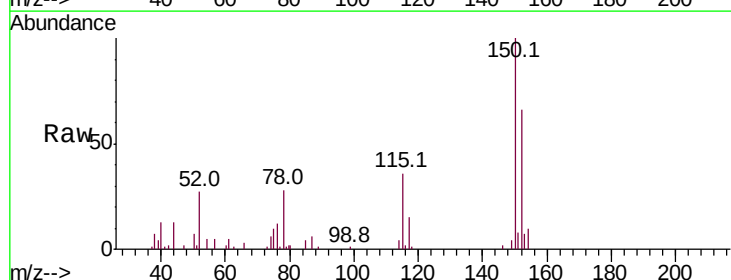
Instrument :
MSVOA_Y
ClientSampleId :

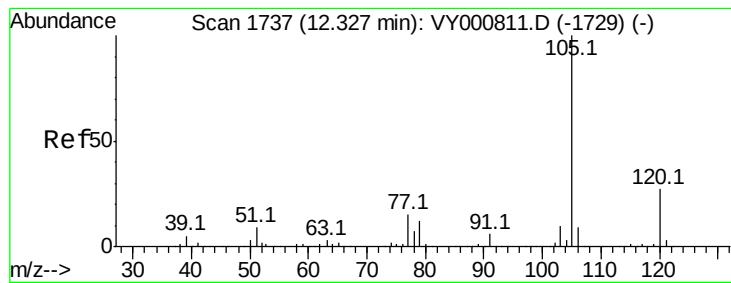
Tot Ion:106 Resp: 361
Ion Ratio Lower Upper
106 100
91 216.9 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000836.D
Acq: 03 Dec 2019 12:21

Tgt Ion:152 Resp: 5278
Ion Ratio Lower Upper
152 100
115 62.5 29.3 87.8
150 166.5 0.0 351.2





#73

Isopropylbenzene

Concen: 1.297 ug/l

RT: 12.32 min Scan# 1736

Delta R.T. -0.01 min

Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

Instrument :

MSVOA_Y

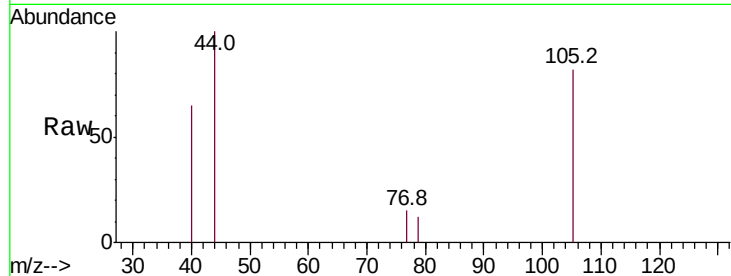
ClientSampleId :

Tot Ion:105 Resp: 545

Ion Ratio Lower Upper

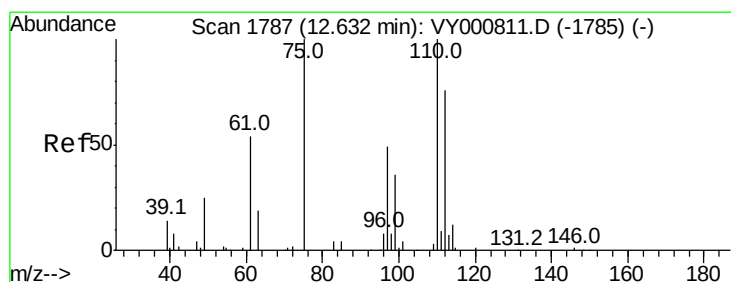
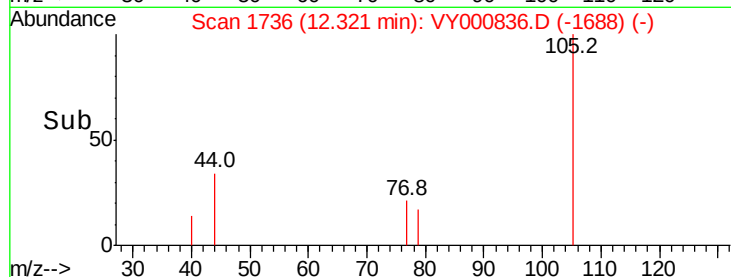
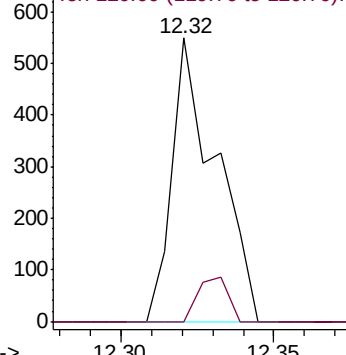
105 100

120 10.8 13.4 40.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 45.703 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000836.D

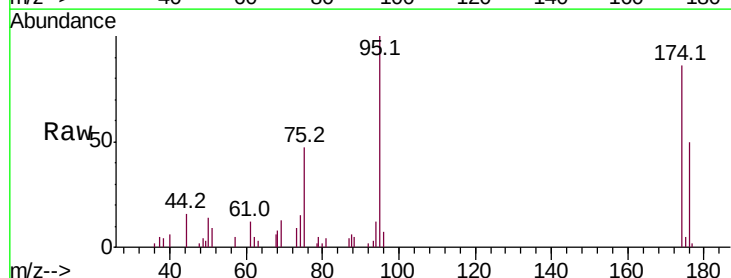
Acq: 03 Dec 2019 12:21

Tgt Ion: 75 Resp: 2733

Ion Ratio Lower Upper

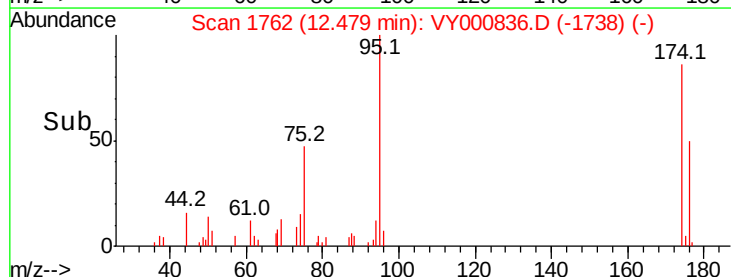
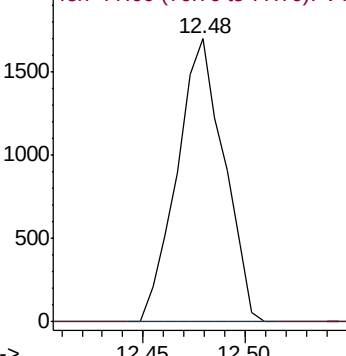
75 100

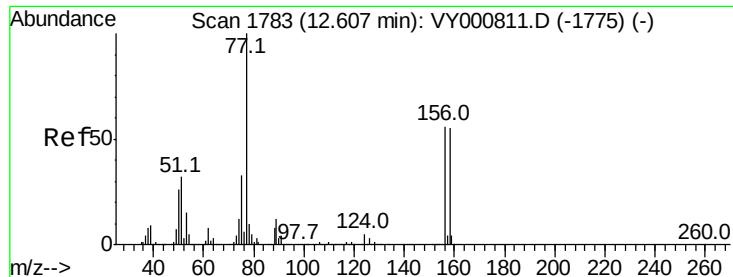
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 3.227 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

Instrument :

MSVOA_Y

ClientSampled :

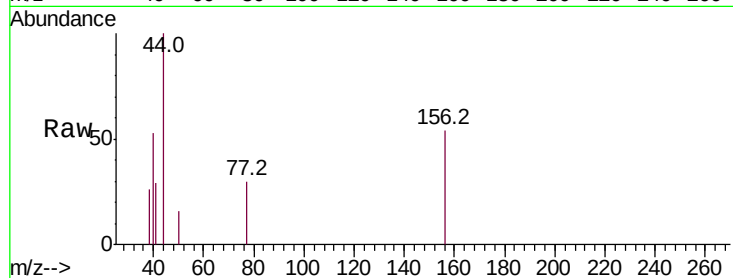
Tot Ion:156 Resp: 294

Ion Ratio Lower Upper

156 100

77 107.8 102.6 307.7

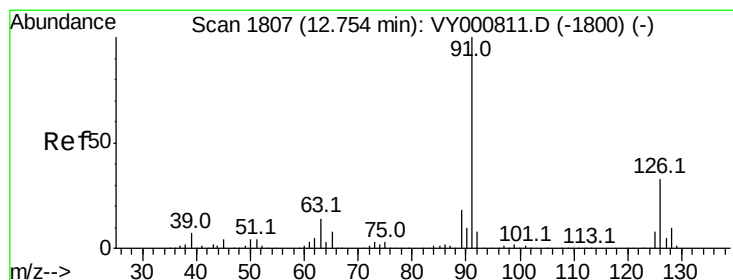
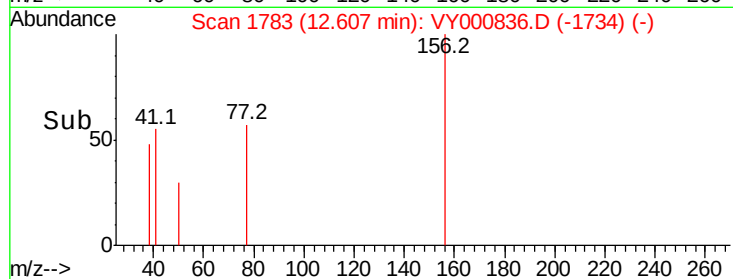
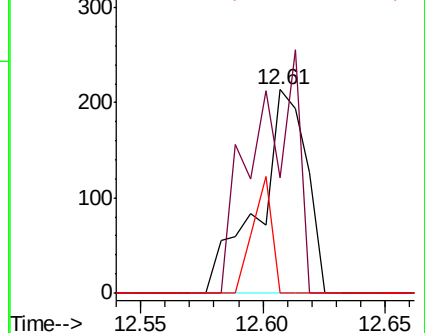
158 22.8 47.6 142.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#79

2-Chlorotoluene

Concen: 2.498 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.10 min

Lab File: VY000836.D

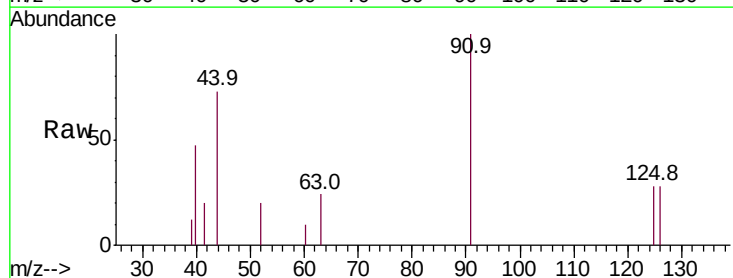
Acq: 03 Dec 2019 12:21

Tgt Ion: 91 Resp: 708

Ion Ratio Lower Upper

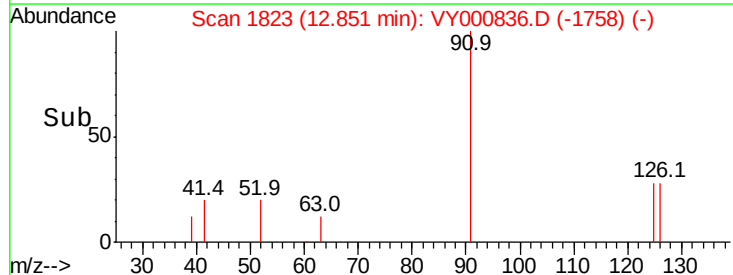
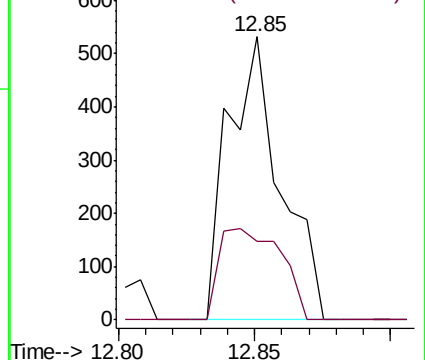
91 100

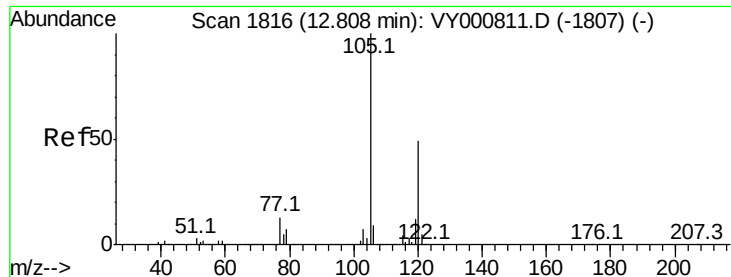
126 38.1 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 4.187 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.01 min

Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

Instrument :

MSVOA_Y

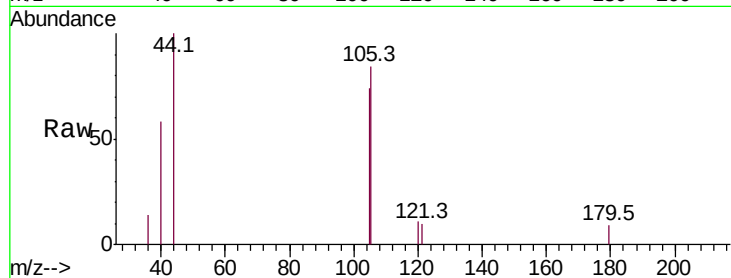
ClientSampled :

Tot Ion:105 Resp: 1457

Ion Ratio Lower Upper

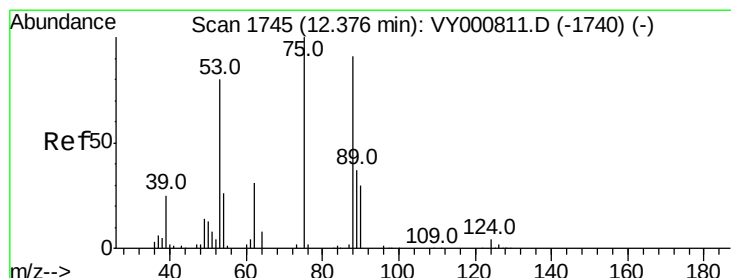
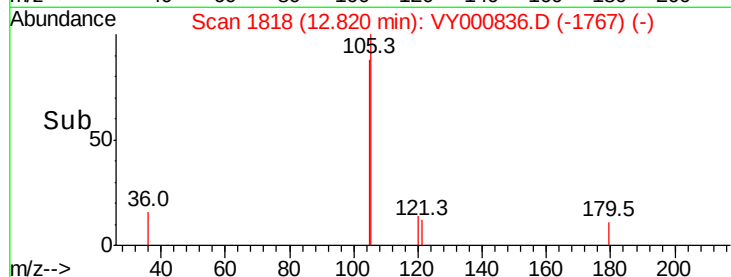
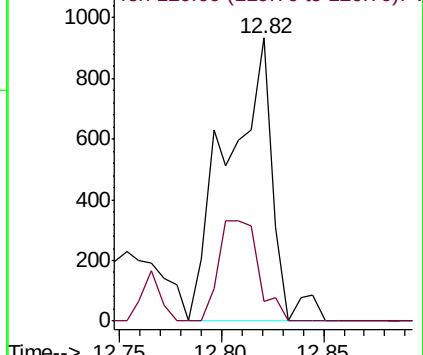
105 100

120 30.9 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 89.774 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

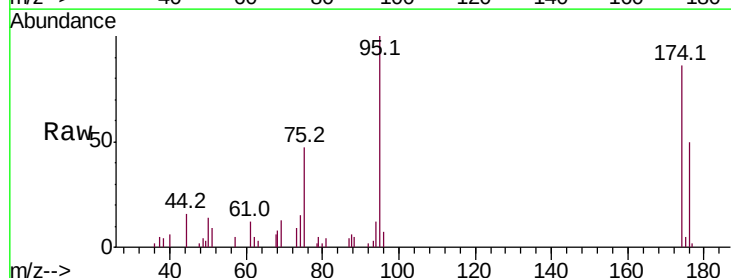
Tgt Ion: 75 Resp: 2733

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

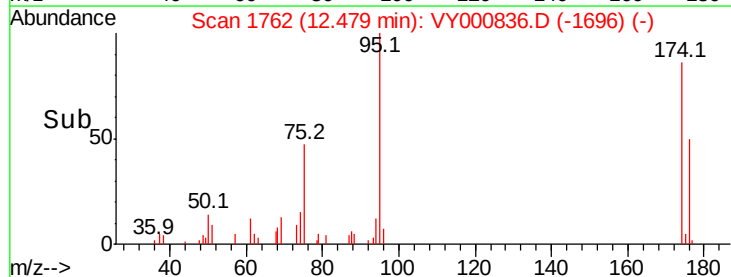
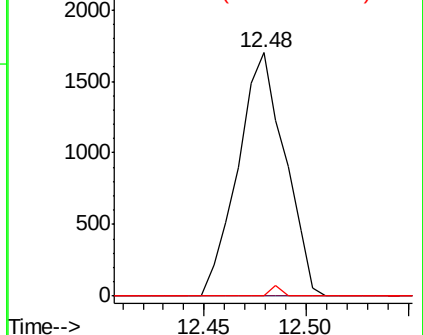
89 1.1 33.6 50.4#

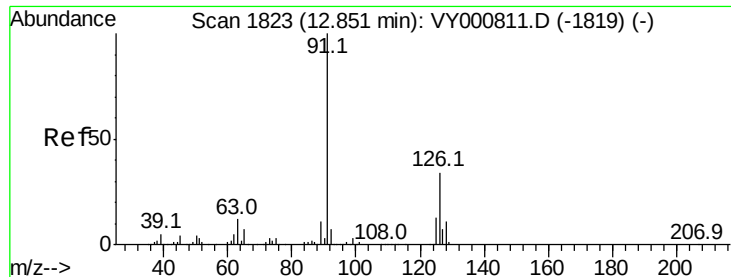


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#82

4-Chlorotoluene

Concen: 2.424 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

Instrument :

MSVOA_Y

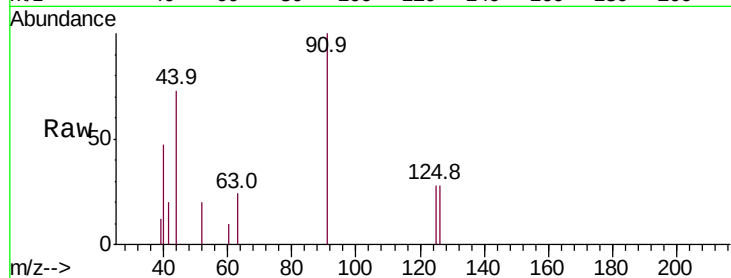
ClientSampleId :

Tot Ion: 91 Resp: 708

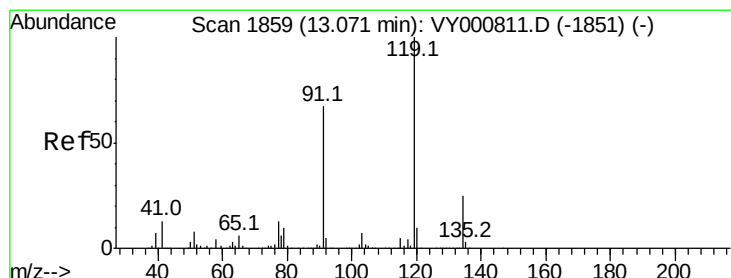
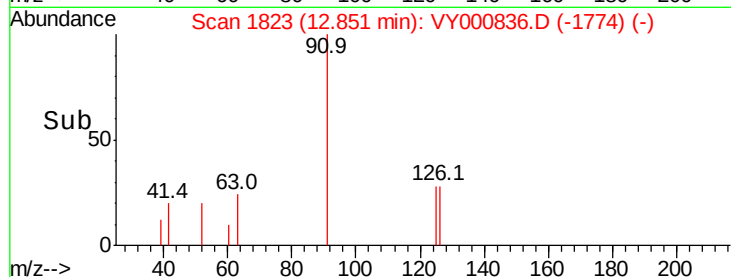
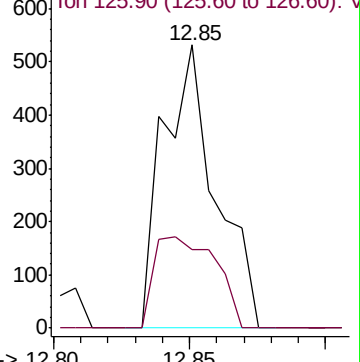
Ion Ratio Lower Upper

91 100

126 38.1 17.3 51.9



Abundance Ion 91.00 (90.70 to 91.70): VY000811.D (-1819) (-)



#83

tert-Butylbenzene

Concen: 2.506 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. 0.01 min

Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

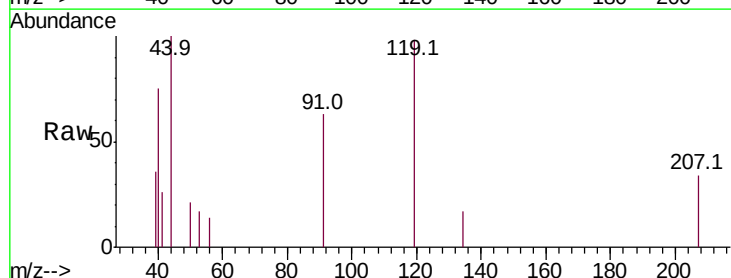
Tgt Ion: 119 Resp: 733

Ion Ratio Lower Upper

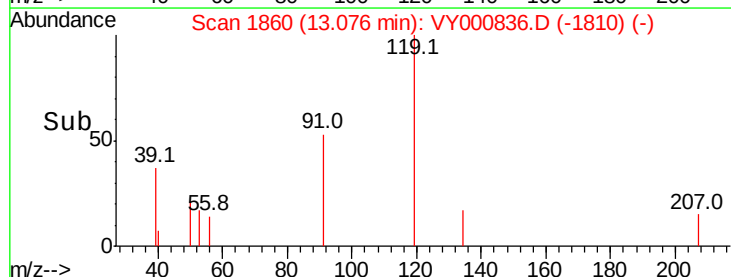
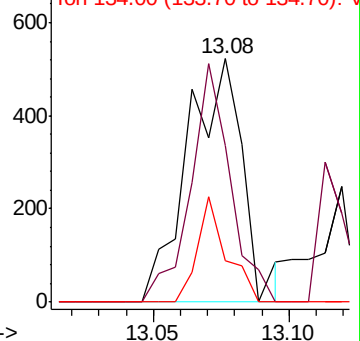
119 100

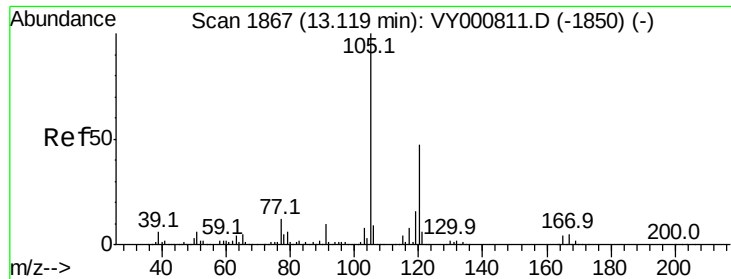
91 70.4 32.3 96.8

134 22.6 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): VY000811.D (-1851) (-)

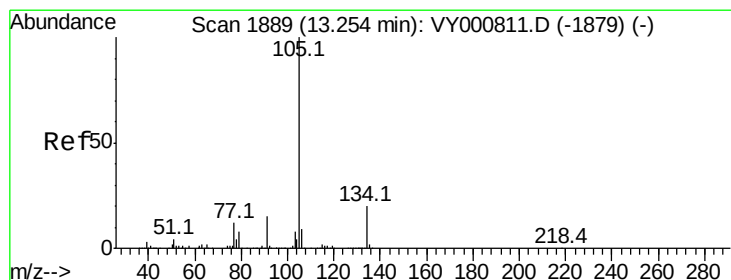
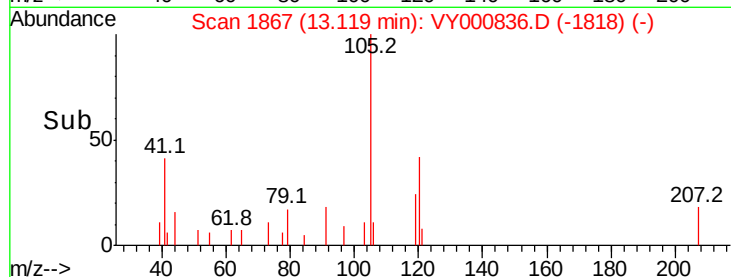
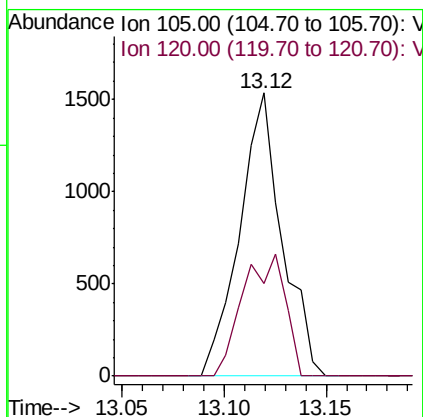
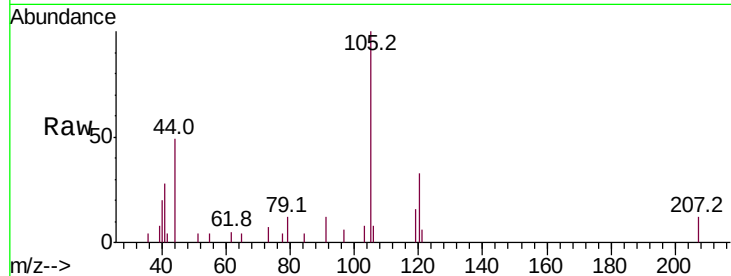




#84
 1,2,4-Trimethylbenzene
 Concen: 6.414 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000836.D
 Acq: 03 Dec 2019 12:21

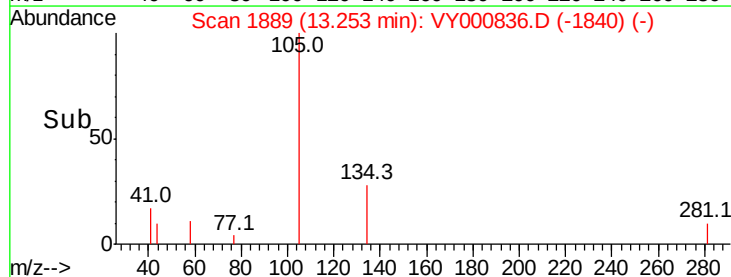
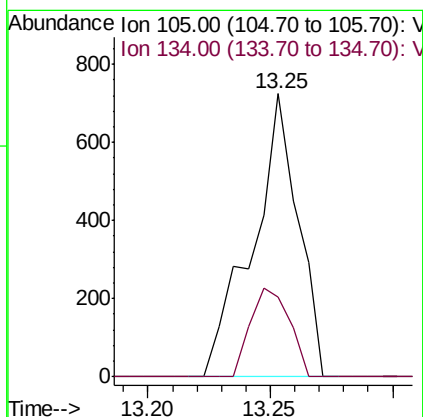
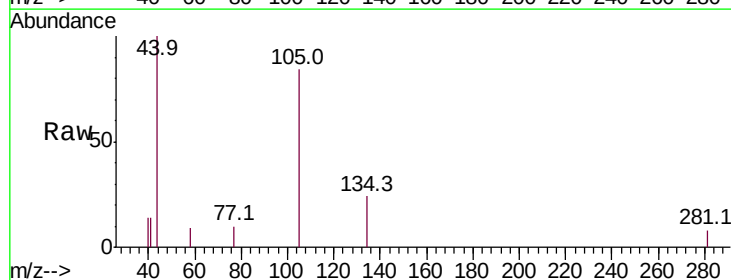
Instrument :
 MSVOA_Y
 ClientSampled :

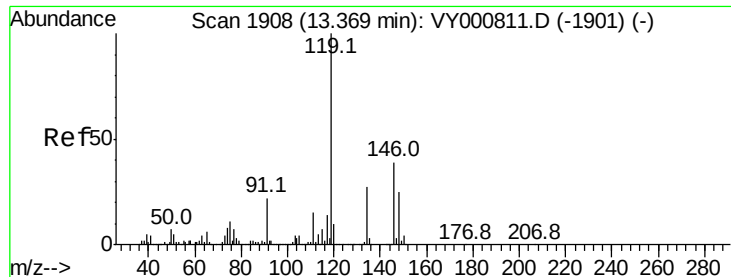
Tot Ion:105 Resp: 2233
 Ion Ratio Lower Upper
 105 100
 120 42.8 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 2.209 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY000836.D
 Acq: 03 Dec 2019 12:21

Tgt Ion:105 Resp: 940
 Ion Ratio Lower Upper
 105 100
 134 26.7 10.1 30.1

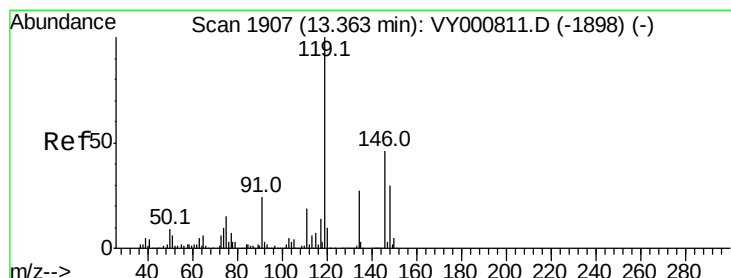
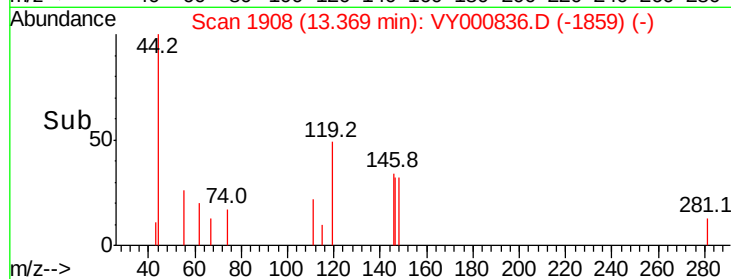
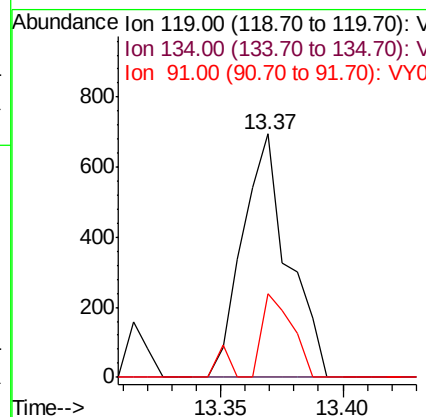
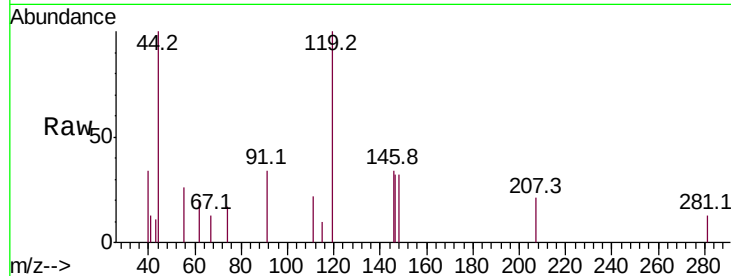




#86
 p-Isopropyltoluene
 Concen: 2.427 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000836.D
 Acq: 03 Dec 2019 12:21

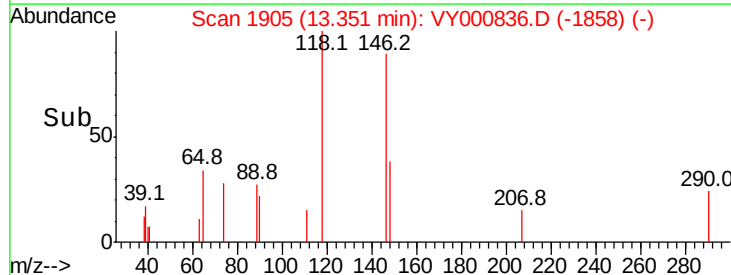
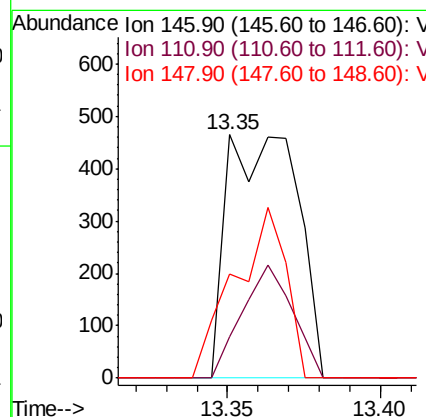
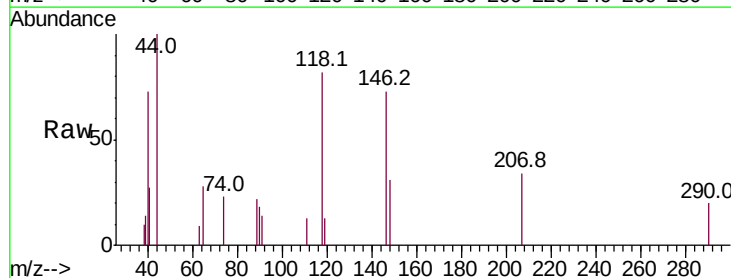
Instrument :
 MSVOA_Y
 ClientSampled :

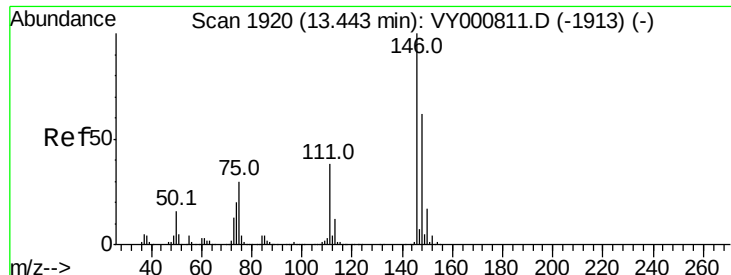
Tot Ion:119 Resp: 898
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.5 40.4#
 91 26.4 11.5 34.5



#87
 1,3-Dichlorobenzene
 Concen: 4.191 ug/l
 RT: 13.35 min Scan# 1905
 Delta R.T. -0.01 min
 Lab File: VY000836.D
 Acq: 03 Dec 2019 12:21

Tgt Ion:146 Resp: 749
 Ion Ratio Lower Upper
 146 100
 111 33.2 20.0 60.0
 148 51.0 32.1 96.5

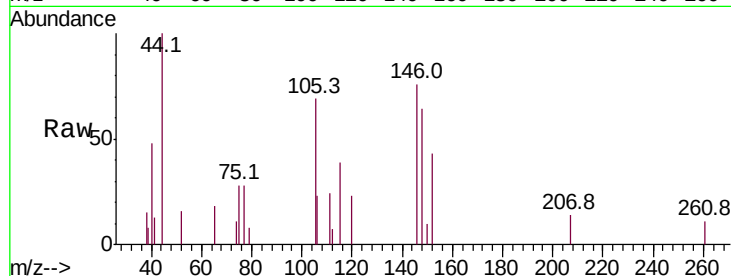




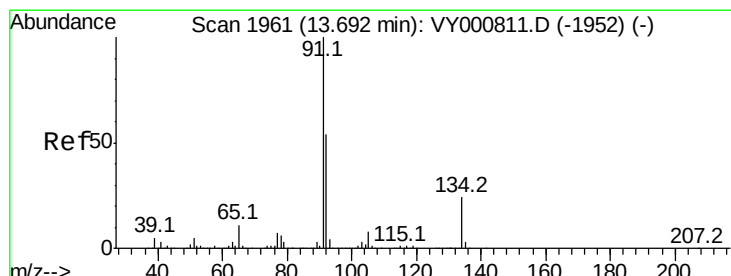
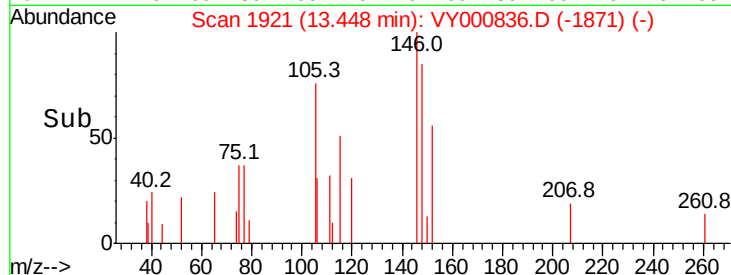
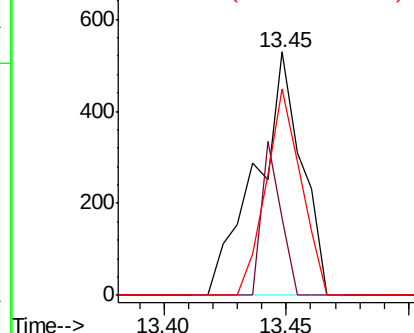
#88
 1,4-Dichlorobenzene
 Concen: 3.877 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY000836.D
 Acq: 03 Dec 2019 12:21

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion:146 Resp: 686
 Ion Ratio Lower Upper
 146 100
 111 26.8 20.0 59.9
 148 65.7 31.7 95.1

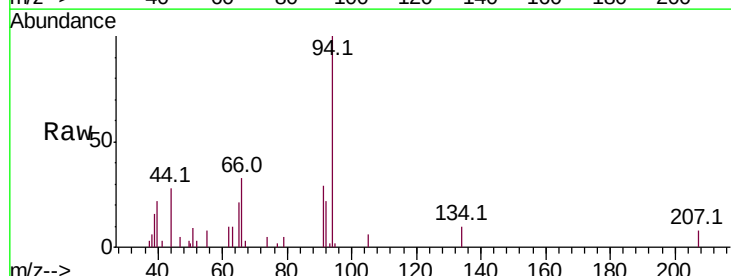


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

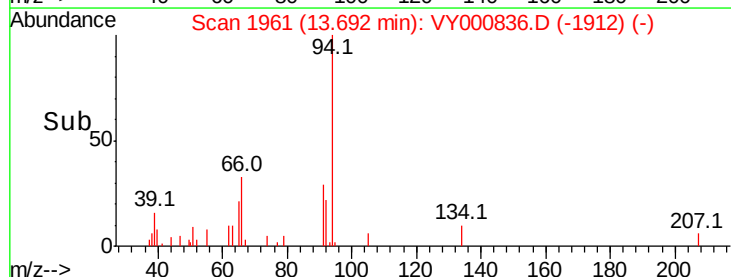
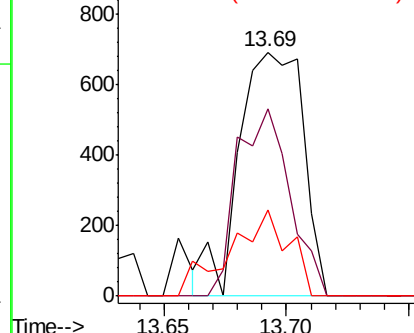


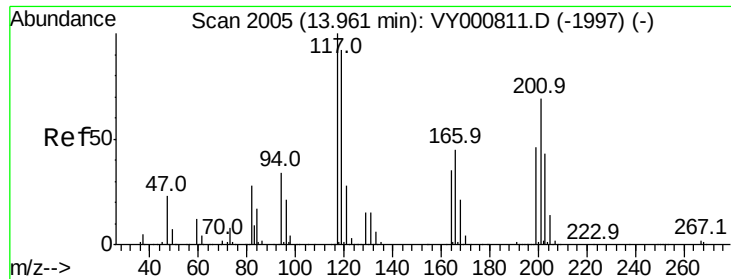
#89
 n-Butylbenzene
 Concen: 3.376 ug/l
 RT: 13.69 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VY000836.D
 Acq: 03 Dec 2019 12:21

Tgt Ion: 91 Resp: 1263
 Ion Ratio Lower Upper
 91 100
 92 63.3 26.9 80.7
 134 32.5 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VY0
 Ion 92.00 (91.70 to 92.70): VY0
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 1.335 ug/l

RT: 14.03 min Scan# 2016

Delta R.T. 0.07 min

Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

Instrument :

MSVOA_Y

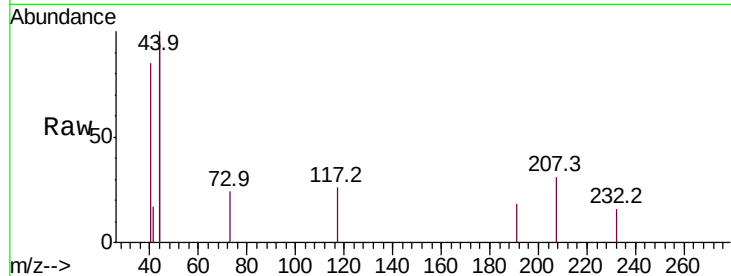
ClientSampled :

Tot Ion:117 Resp: 91

Ion Ratio Lower Upper

117 100

201 0.0 34.0 102.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.03

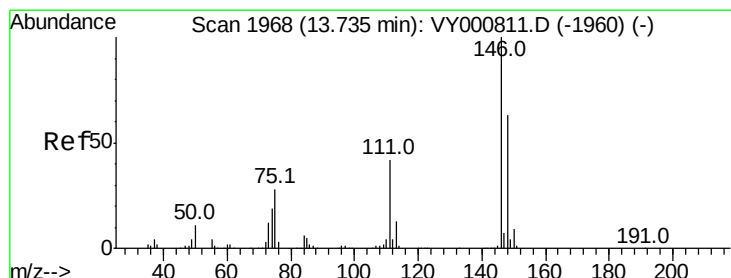
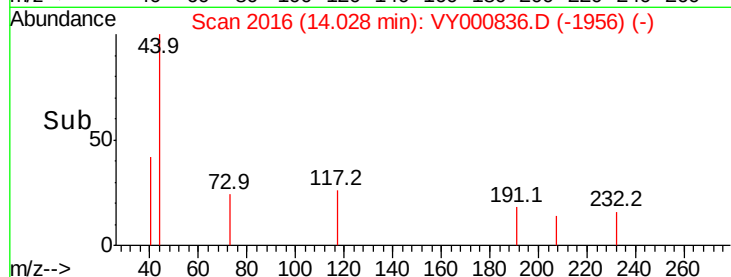
150

100

50

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 3.496 ug/l

RT: 13.73 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

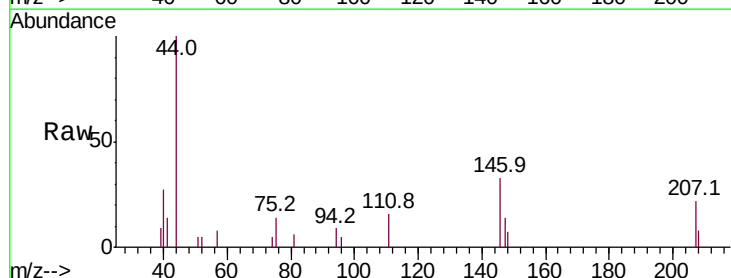
Tgt Ion:146 Resp: 562

Ion Ratio Lower Upper

146 100

111 28.5 20.9 62.7

148 31.9 32.1 96.3#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.73

500

400

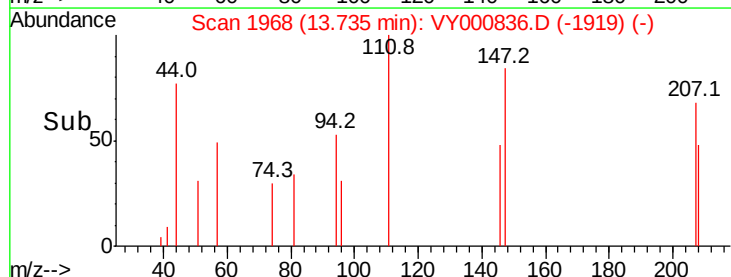
300

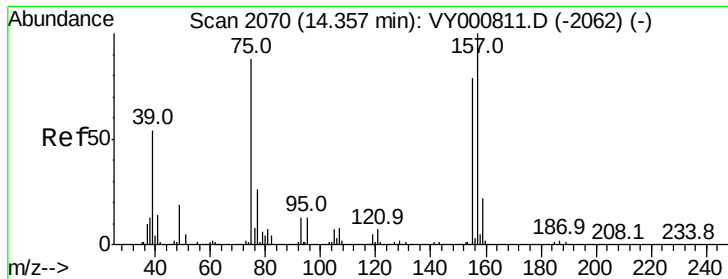
200

100

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.731 ug/l

RT: 14.34 min Scan# 2068

Delta R.T. -0.01 min

Lab File: VY000836.D

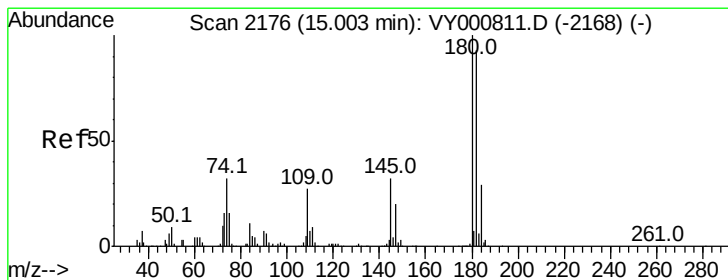
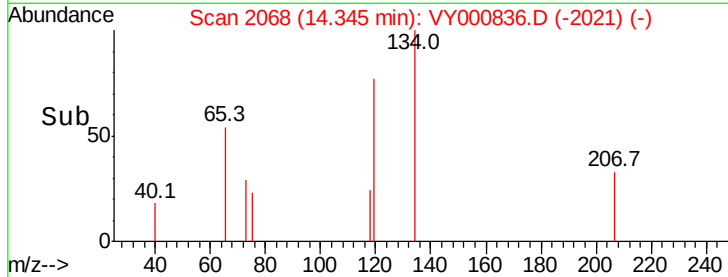
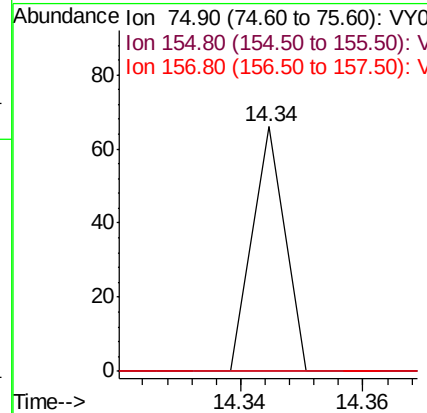
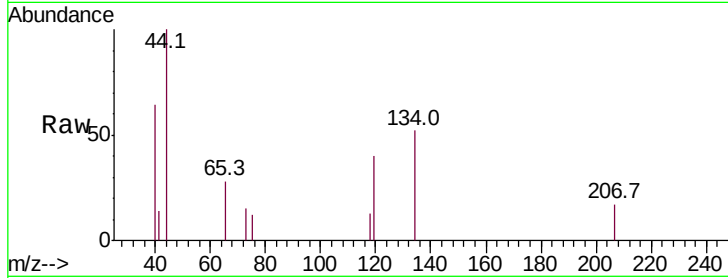
Acq: 03 Dec 2019 12:21

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:	75	Resp:	24
Ion Ratio	Lower	Upper	
75	100		
155	0.0	44.3	132.9#
157	0.0	56.3	168.9#



#93

1,2,4-Trichlorobenzene

Concen: 6.335 ug/l

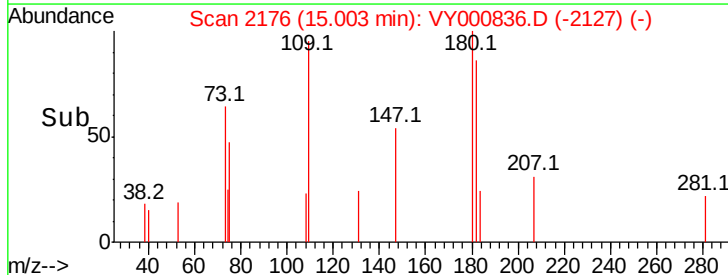
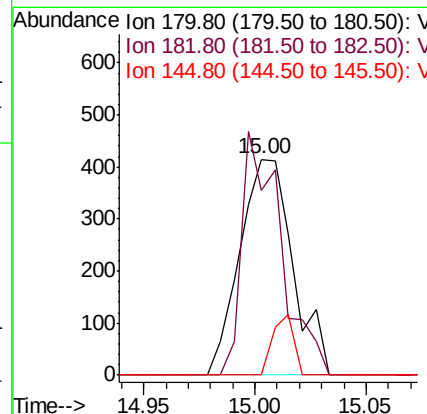
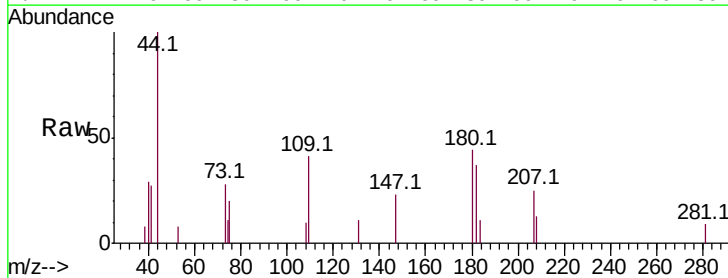
RT: 15.00 min Scan# 2176

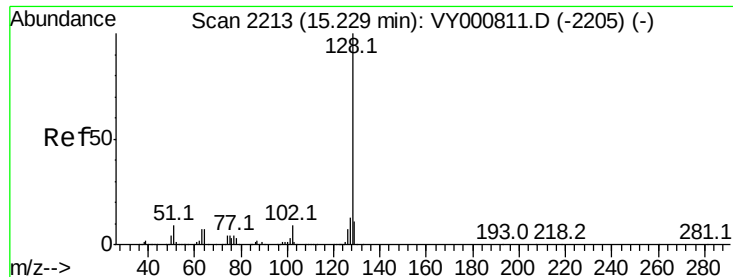
Delta R.T. -0.00 min

Lab File: VY000836.D

Acq: 03 Dec 2019 12:21

Tgt Ion:	180	Resp:	689
Ion Ratio	Lower	Upper	
180	100		
182	82.9	47.3	141.9
145	11.2	16.0	47.9#

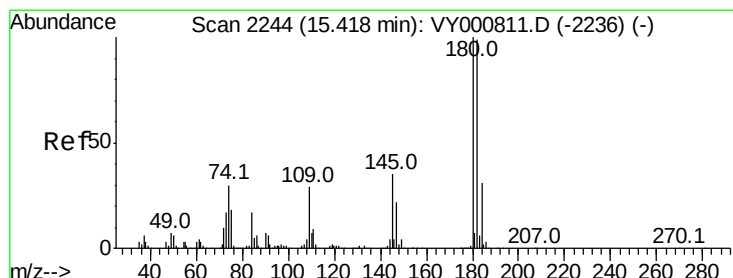
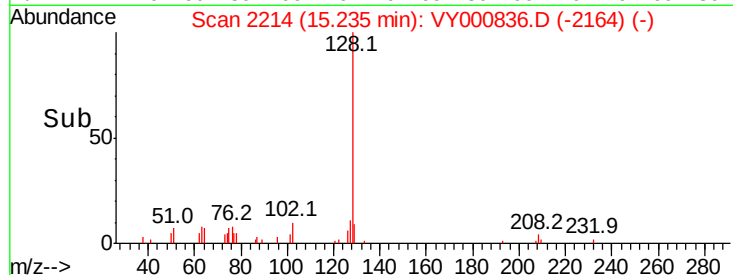
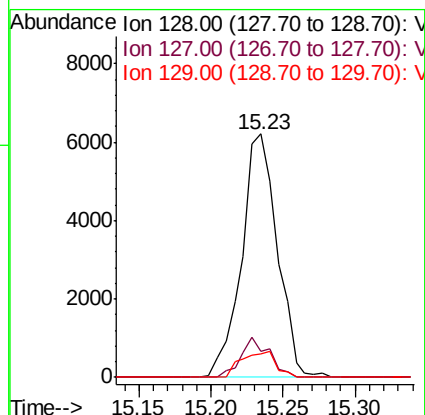
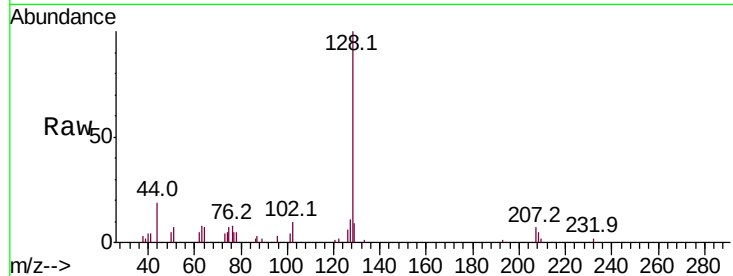




#95
Naphthalene
Concen: 42.244 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY000836.D
Acq: 03 Dec 2019 12:21

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:128 Resp: 10669
Ion Ratio Lower Upper
128 100
127 13.3 10.1 15.1
129 10.4 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 5.661 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.01 min
Lab File: VY000836.D
Acq: 03 Dec 2019 12:21

Tgt Ion:180 Resp: 550
Ion Ratio Lower Upper
180 100
182 92.9 48.0 144.0
145 20.4 16.9 50.6

