

Data File : VY000866.D
Acq On : 04 Dec 2019 17:21
Operator : SY/MD
Sample : K6135-01
Misc : 6.60G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VOC-34

Quant Time: Dec 05 07:55:56 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	213568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	401631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	350372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	136061	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	138677	61.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.22%	
35) Dibromofluoromethane	7.72	113	95811	40.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.86%	
50) Toluene-d8	10.18	98	476876	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.48	95	147308	41.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.84%	

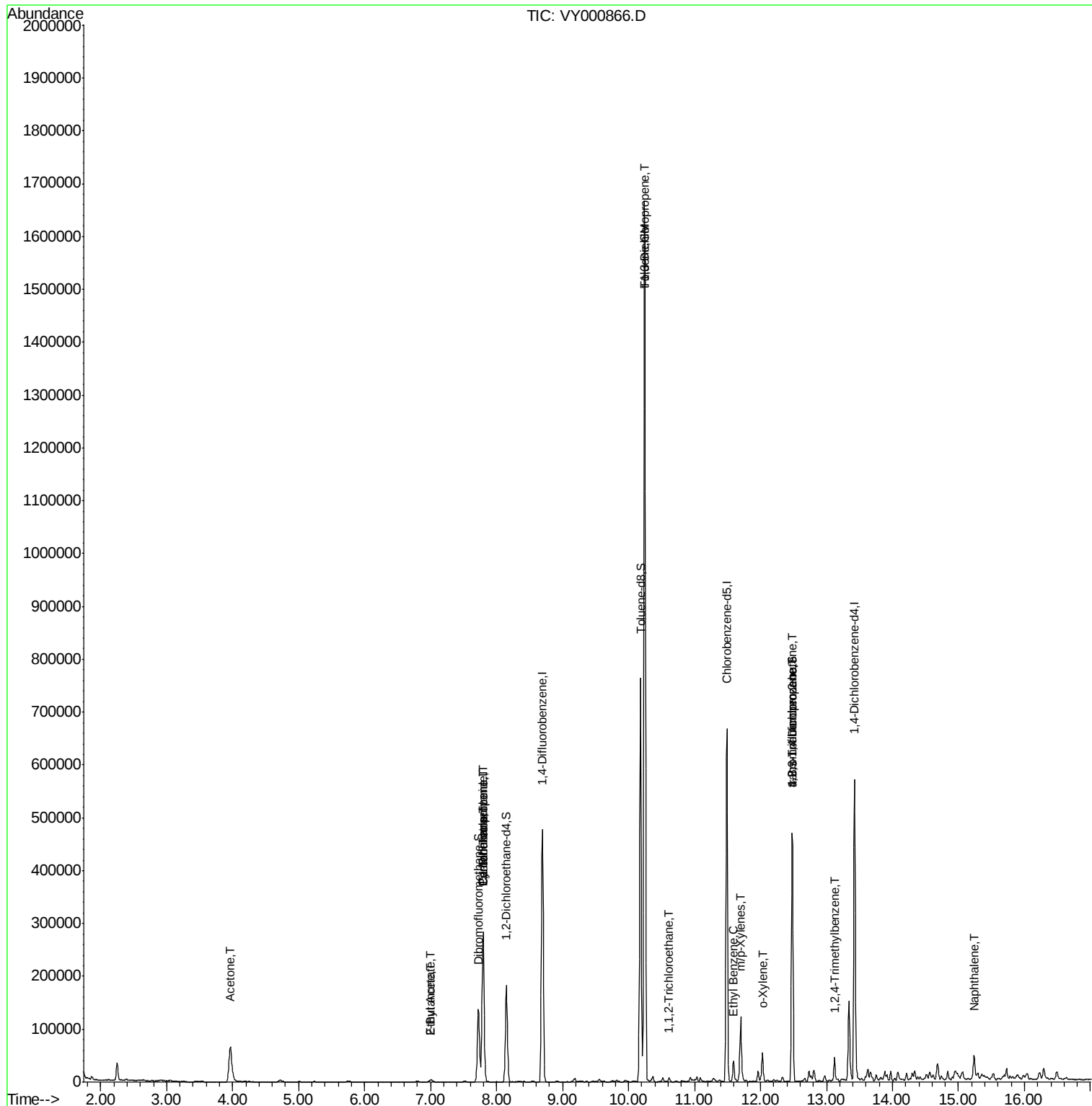
Target Compounds			Qvalue			
5) Bromomethane	2.66	94	72	Below Cal	#	3
16) Acetone	3.96	43	133699	256.825	ug/l	97
25) 2-Butanone	7.01	43	5244	5.453	ug/l #	88
31) Cyclohexane	7.80	56	5690	1.181	ug/l #	16
36) 1,1-Dichloropropene	7.80	75	17854	4.471	ug/l #	51
37) Ethyl Acetate	7.01	43	5244	2.274	ug/l #	69
38) Carbon Tetrachloride	7.80	117	21176	5.954	ug/l #	14
52) Toluene	10.24	92	688215	95.557	ug/l	98
53) t-1,3-Dichloropropene	10.24	75	8264	2.145	ug/l #	1
55) 1,1,2-Trichloroethane	10.61	97	2692	1.194	ug/l #	20
67) Ethyl Benzene	11.60	91	25902	1.910	ug/l	91
68) m/p-Xylenes	11.70	106	36080	7.087	ug/l	98
69) o-Xylene	12.03	106	12554	2.645	ug/l	94
76) 1,2,3-Trichloropropane	12.48	75	77882	50.522	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	77882	99.239	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.12	105	21788	2.428	ug/l	98
95) Naphthalene	15.23	128	33753	5.184	ug/l	98

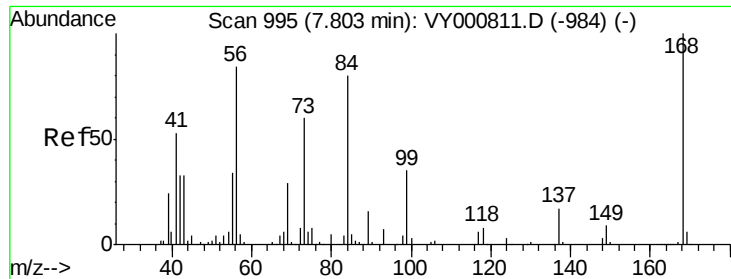
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000866.D

Acq: 04 Dec 2019 17:21

Instrument :

MSVOA_Y

ClientSampleId :

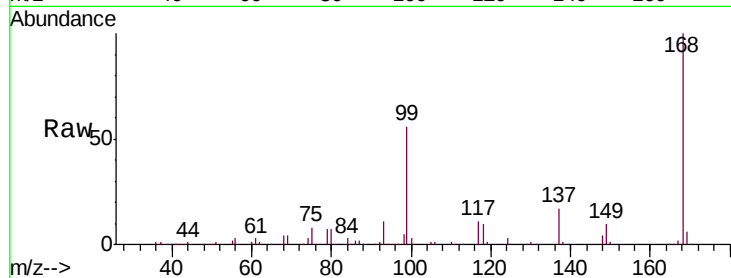
VOC-34

Tgt Ion: 168 Resp: 213568

Ion Ratio Lower Upper

168 100

99 56.0 45.0 67.6



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

Ion 98.90 (98.60 to 99.60): VY000811.D (-984) (-)

7.80

100000

80000

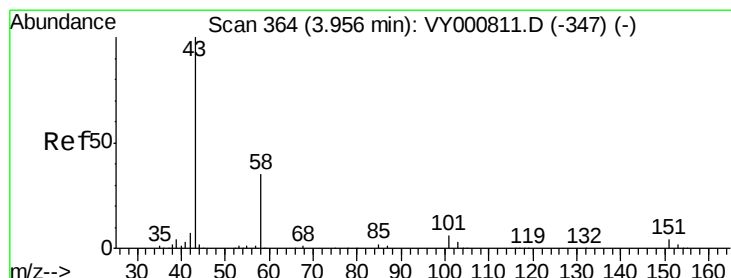
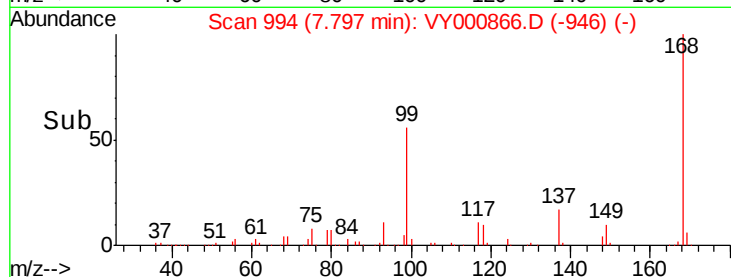
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 256.825 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000866.D

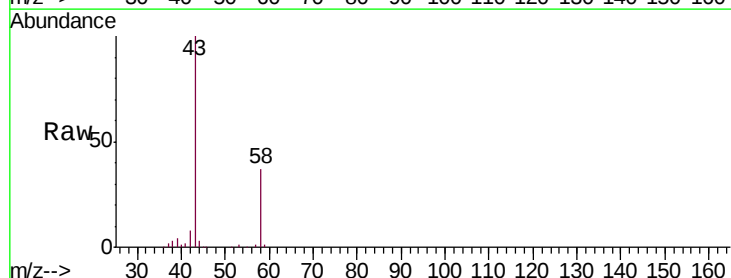
Acq: 04 Dec 2019 17:21

Tgt Ion: 43 Resp: 133699

Ion Ratio Lower Upper

43 100

58 36.6 28.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VY000811.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY000811.D (-347) (-)

3.96

40000

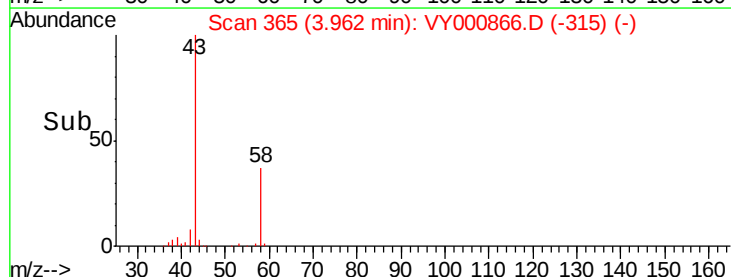
30000

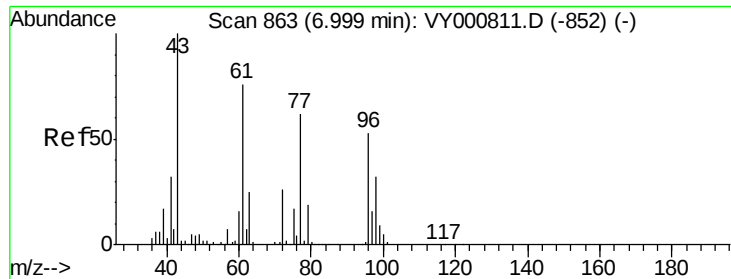
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10000

0

Time-->

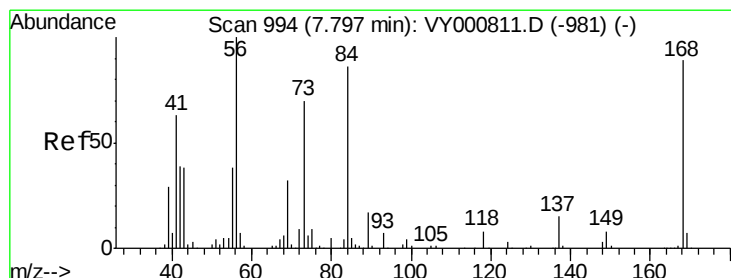
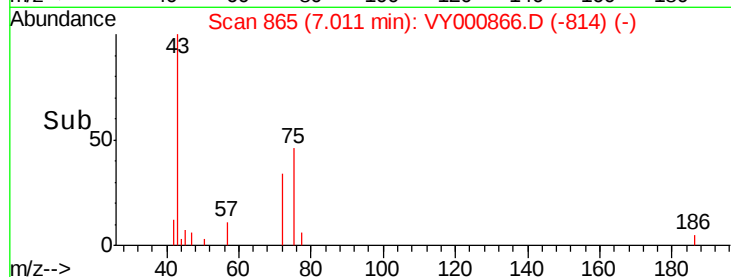
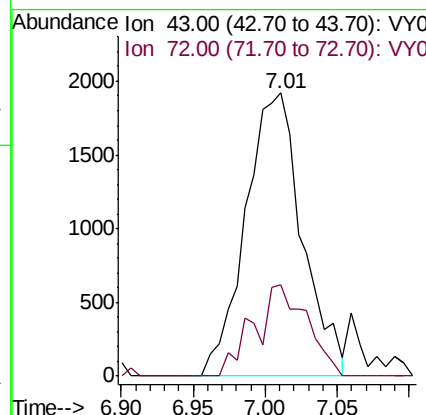
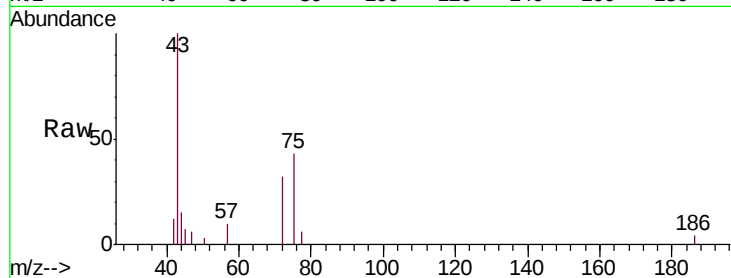




#25
2-Butanone
Concen: 5.453 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY000866.D
Acq: 04 Dec 2019 17:21

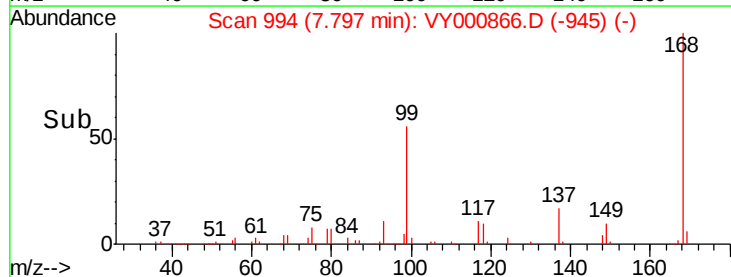
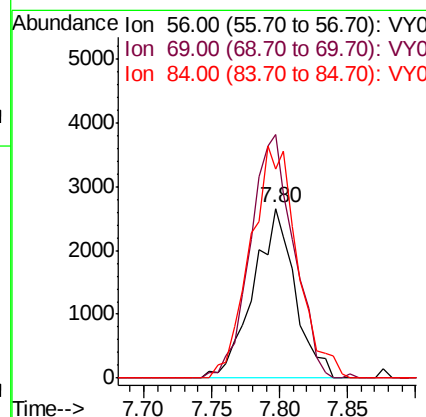
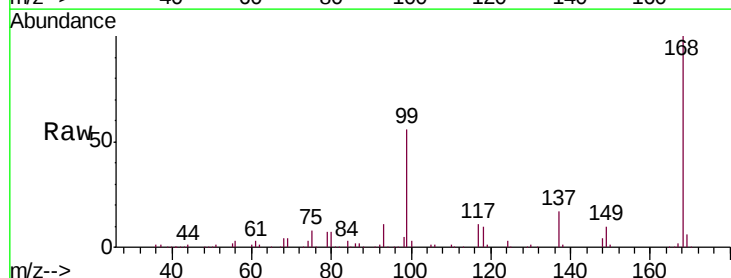
Instrument :
MSVOA_Y
ClientSampleId :
VOC-34

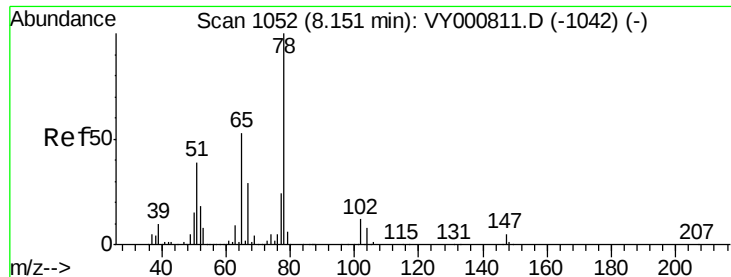
Tgt Ion: 43 Resp: 5244
Ion Ratio Lower Upper
43 100
72 32.3 21.0 31.4#



#31
Cyclohexane
Concen: 1.181 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000866.D
Acq: 04 Dec 2019 17:21

Tgt Ion: 56 Resp: 5690
Ion Ratio Lower Upper
56 100
69 143.7 25.9 38.9#
84 123.3 68.6 102.8#

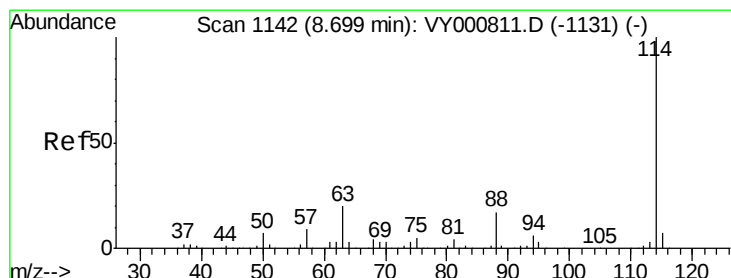
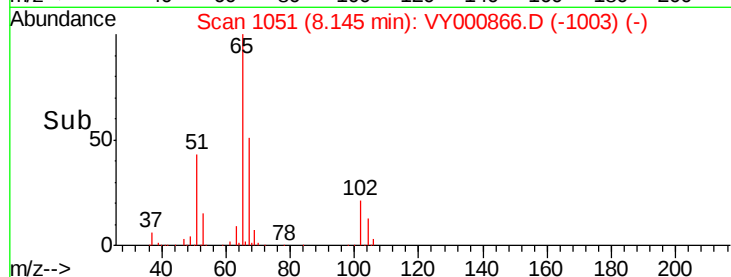
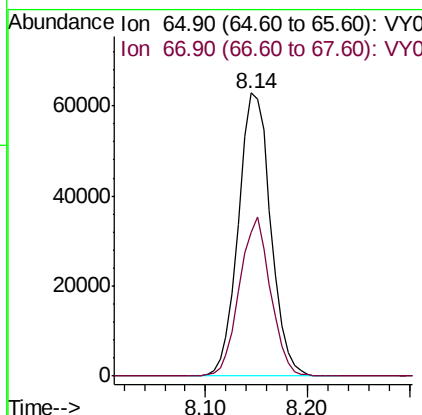
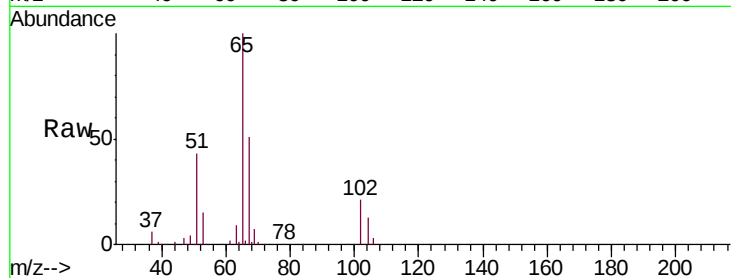




#33
 1,2-Dichloroethane-d4
 Concen: 61.109 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY000866.D
 Acq: 04 Dec 2019 17:21

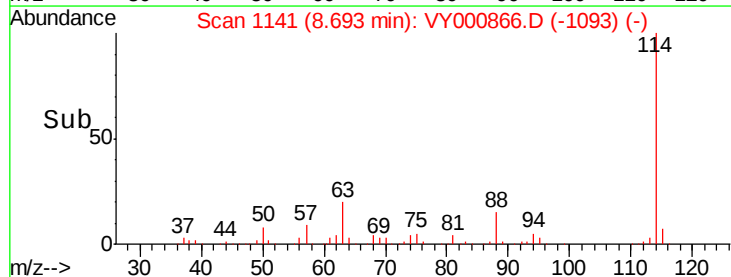
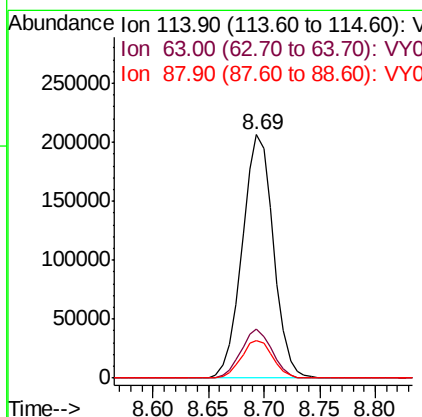
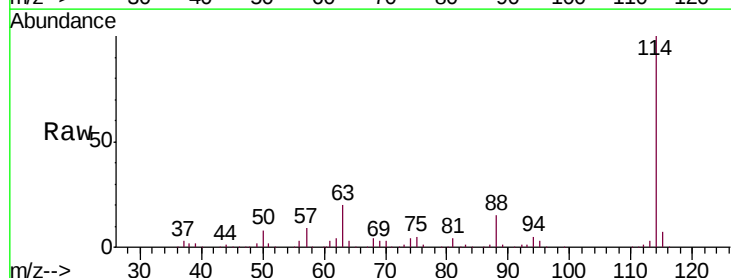
Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-34

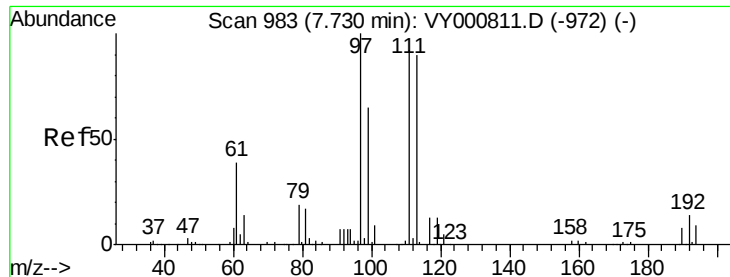
Tgt Ion: 65 Resp: 138677
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000866.D
 Acq: 04 Dec 2019 17:21

Tgt Ion: 114 Resp: 401631
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 40.933 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000866.D

Acq: 04 Dec 2019 17:21

Instrument :

MSVOA_Y

ClientSampled :

VOC-34

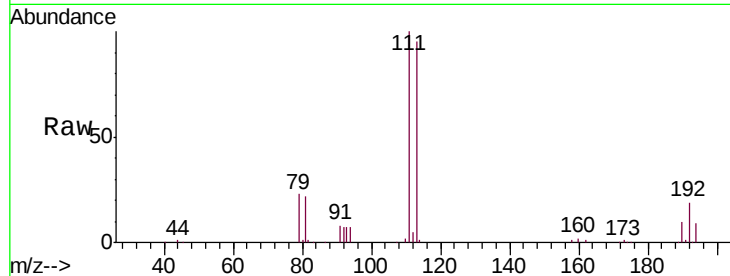
Tgt Ion:113 Resp: 95811

Ion Ratio Lower Upper

113 100

111 106.1 82.4 123.6

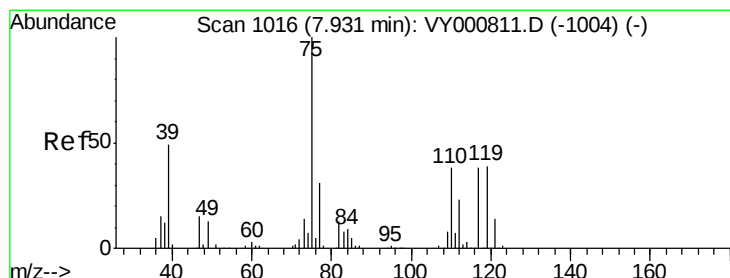
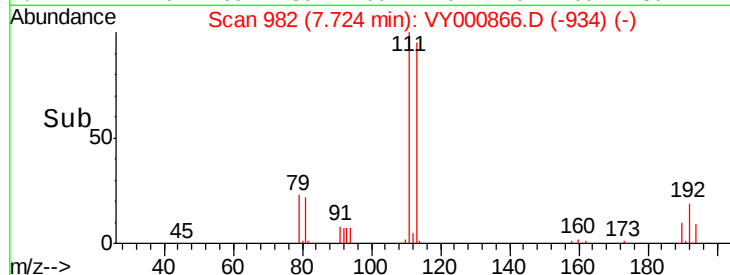
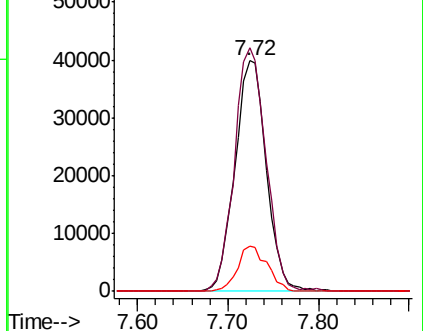
192 18.6 14.2 21.2



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: 4.471 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000866.D

Acq: 04 Dec 2019 17:21

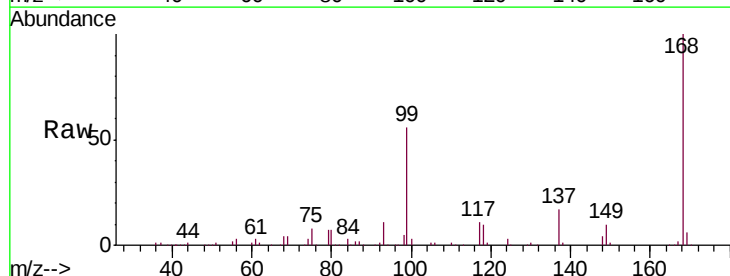
Tgt Ion: 75 Resp: 17854

Ion Ratio Lower Upper

75 100

110 10.2 17.9 53.7#

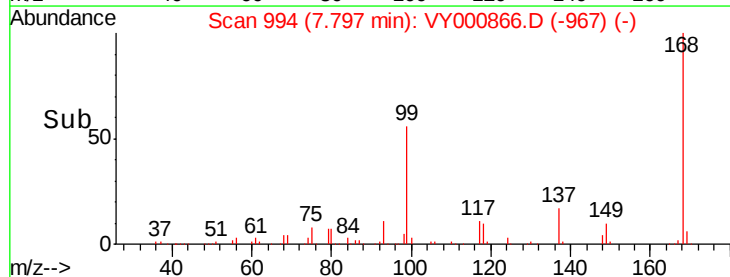
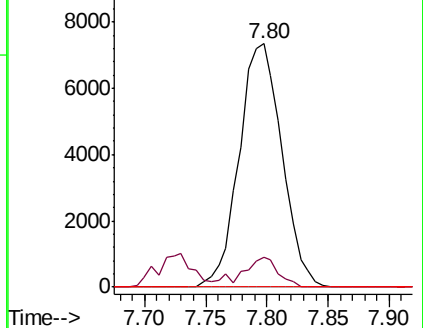
77 0.0 24.7 37.1#

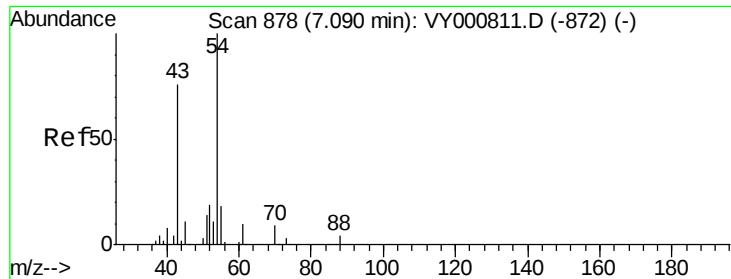


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

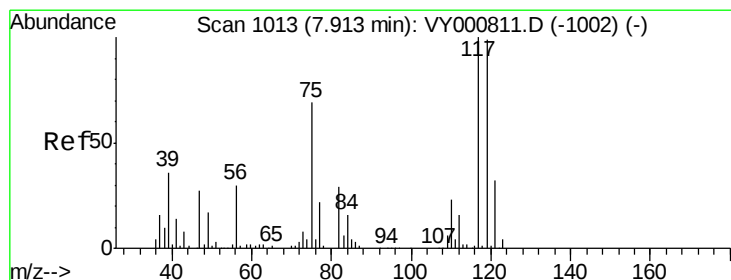
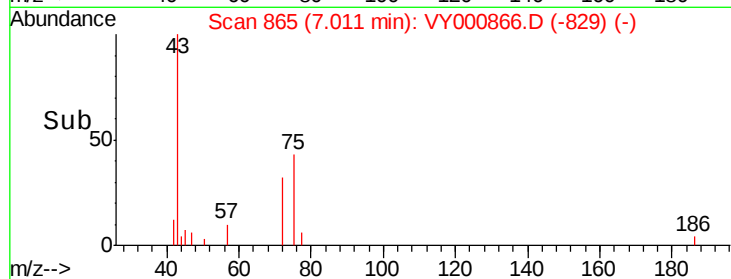
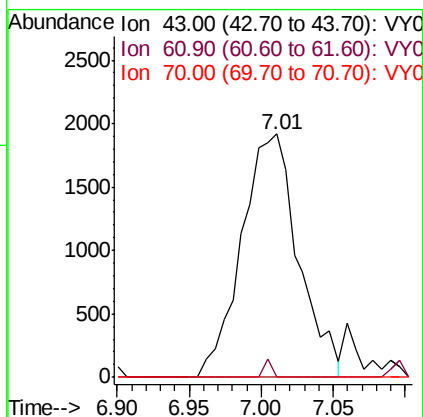
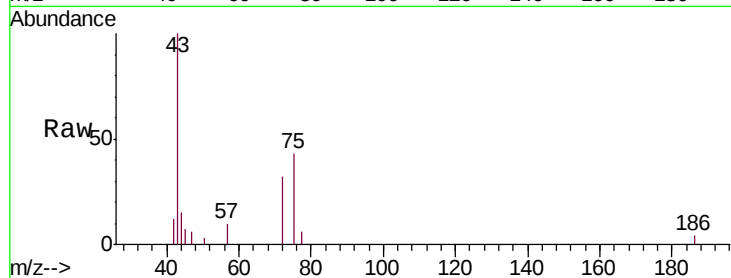




#37
Ethyl Acetate
Concen: 2.274 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.08 min
Lab File: VY000866.D
Acq: 04 Dec 2019 17:21

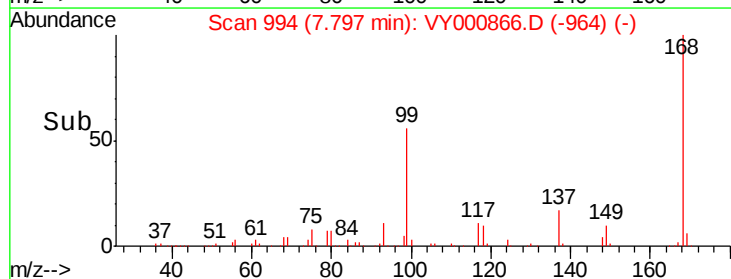
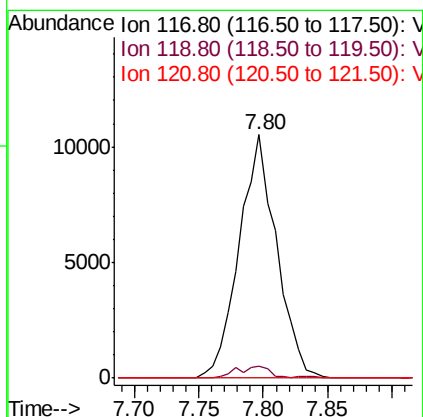
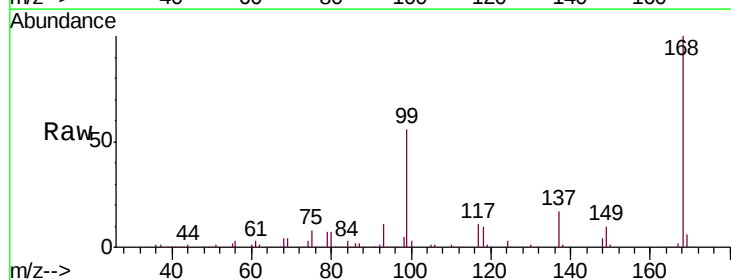
Instrument :
MSVOA_Y
ClientSampleId :
VOC-34

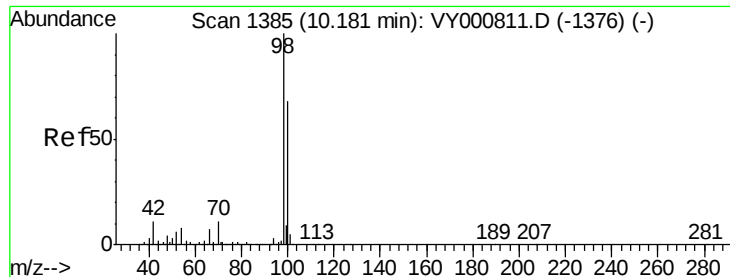
Tgt Ion: 43 Resp: 5244
Ion Ratio Lower Upper
43 100
61 1.0 11.8 17.8#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.954 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000866.D
Acq: 04 Dec 2019 17:21

Tgt Ion: 117 Resp: 21176
Ion Ratio Lower Upper
117 100
119 4.7 79.3 118.9#
121 0.0 25.5 38.3#





#50

Toluene-d8

Concen: 50.959 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000866.D

Acq: 04 Dec 2019 17:21

Instrument :

MSVOA_Y

ClientSampleId :

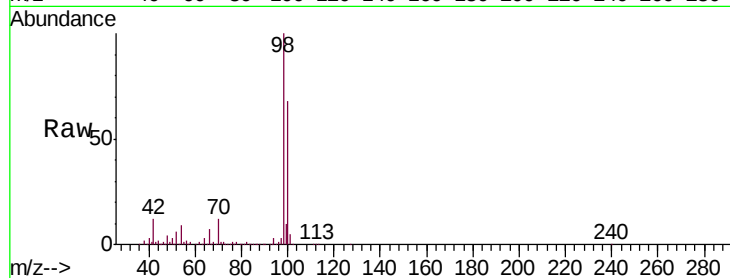
VOC-34

Tgt Ion: 98 Resp: 476876

Ion Ratio Lower Upper

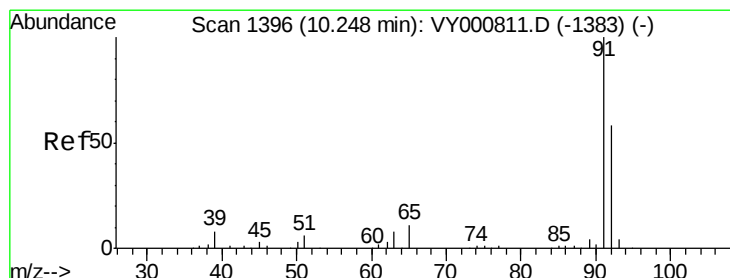
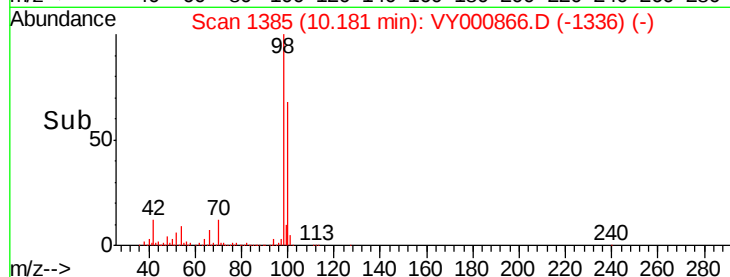
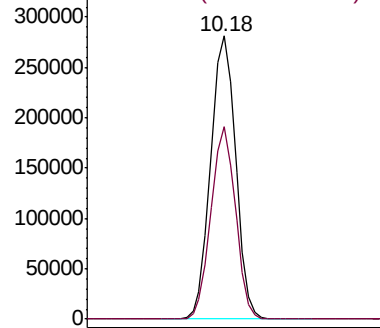
98 100

100 66.5 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#52

Toluene

Concen: 95.557 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000866.D

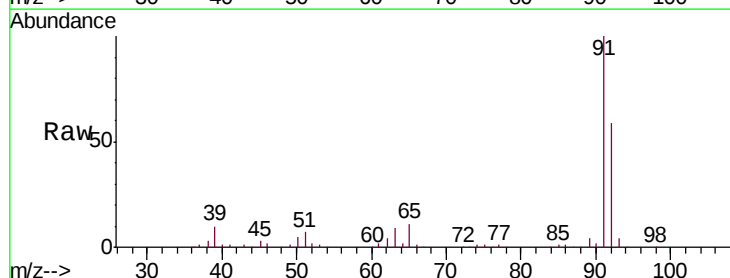
Acq: 04 Dec 2019 17:21

Tgt Ion: 92 Resp: 688215

Ion Ratio Lower Upper

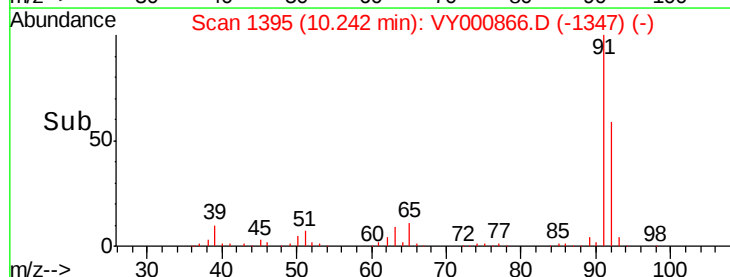
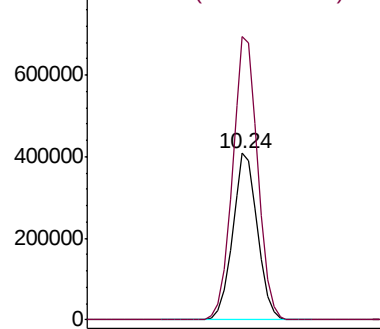
92 100

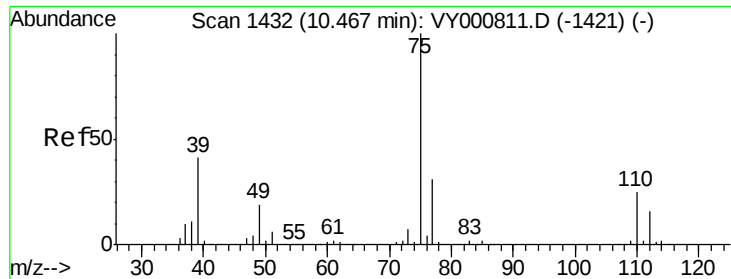
91 173.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 2.145 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.23 min

Lab File: VY000866.D

Acq: 04 Dec 2019 17:21

Instrument :

MSVOA_Y

ClientSampleId :

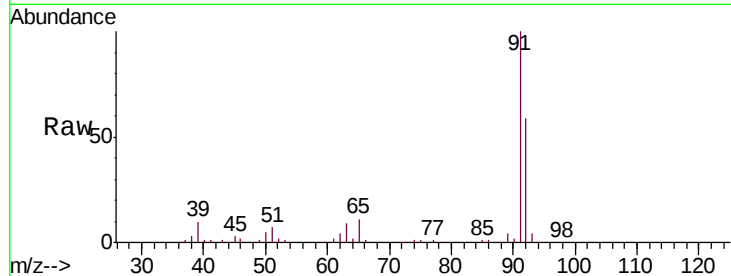
VOC-34

Tgt Ion: 75 Resp: 8264

Ion Ratio Lower Upper

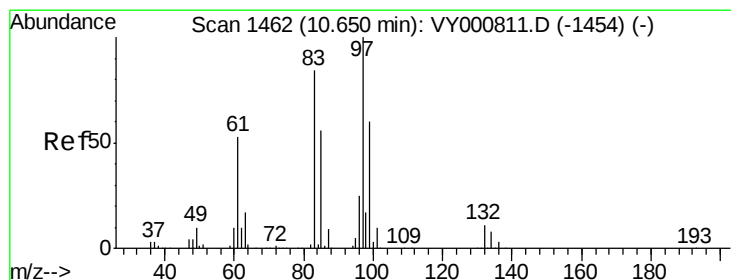
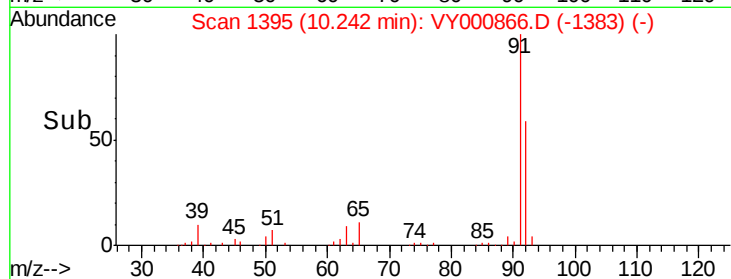
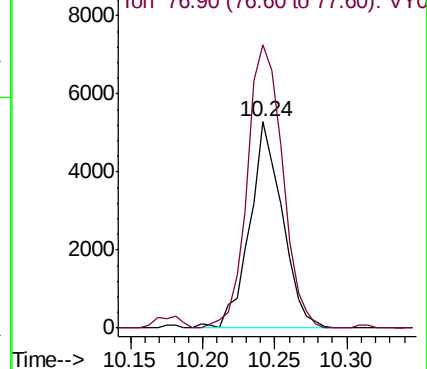
75 100

77 137.1 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#55

1,1,2-Trichloroethane

Concen: 1.194 ug/l

RT: 10.61 min Scan# 1456

Delta R.T. -0.04 min

Lab File: VY000866.D

Acq: 04 Dec 2019 17:21

Tgt Ion: 97 Resp: 2692

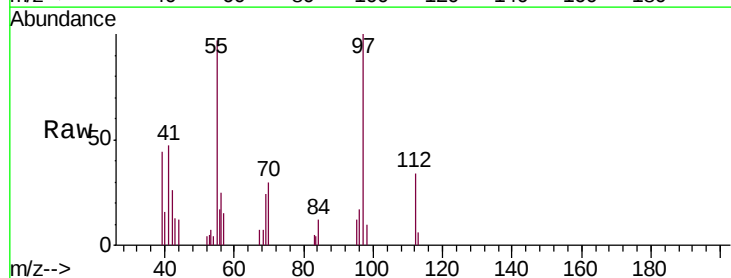
Ion Ratio Lower Upper

97 100

83 9.5 67.5 101.3#

85 0.0 44.5 66.7#

99 0.0 47.7 71.5#

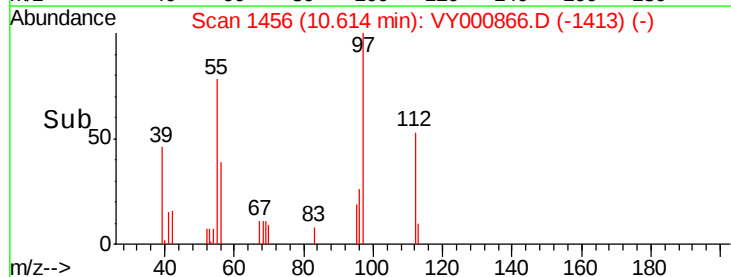
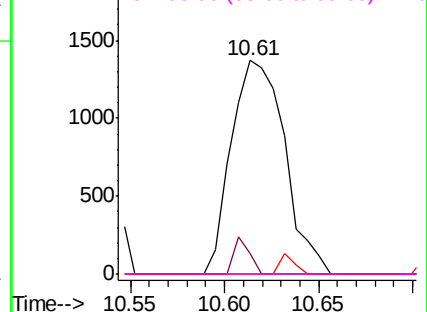


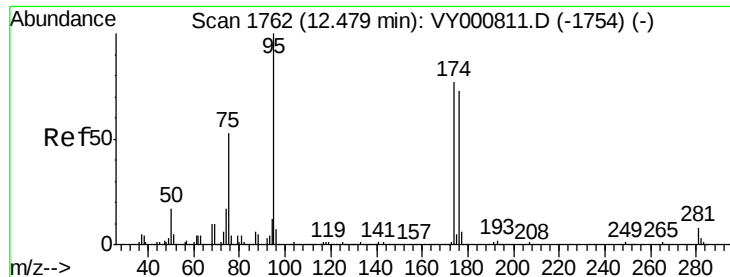
Abundance Ion 96.90 (96.60 to 97.60): VY0

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

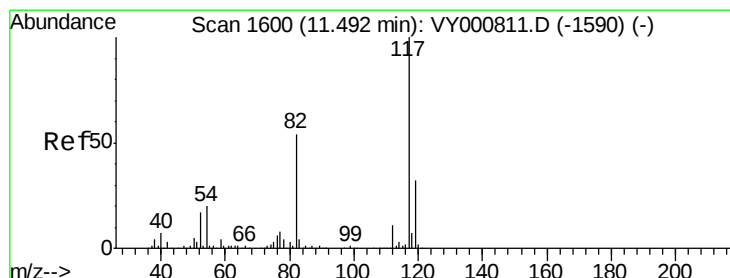
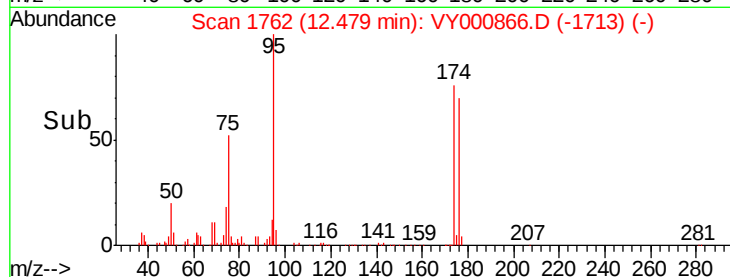
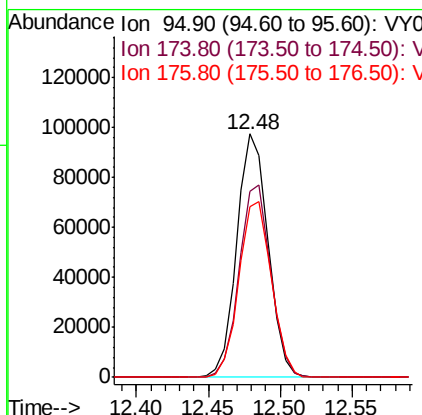
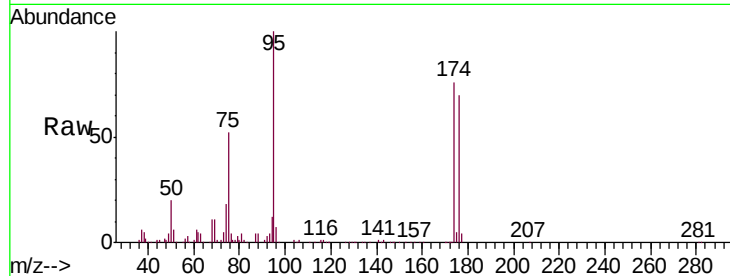




#62
4-Bromofluorobenzene
Concen: 41.915 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000866.D
Acq: 04 Dec 2019 17:21

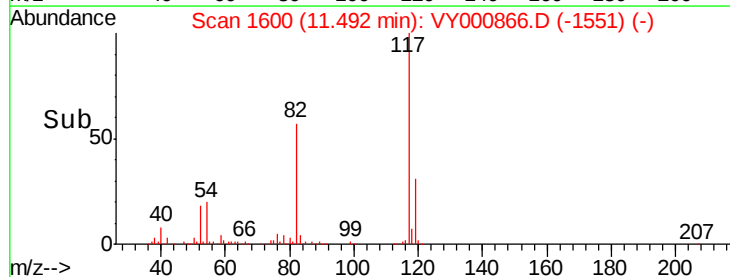
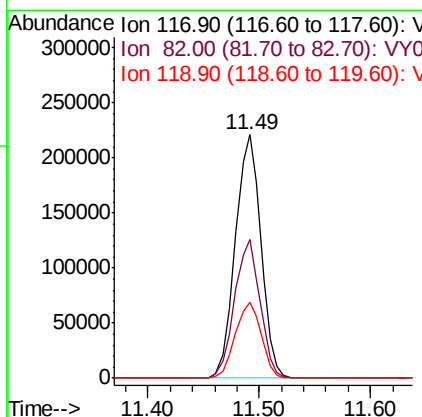
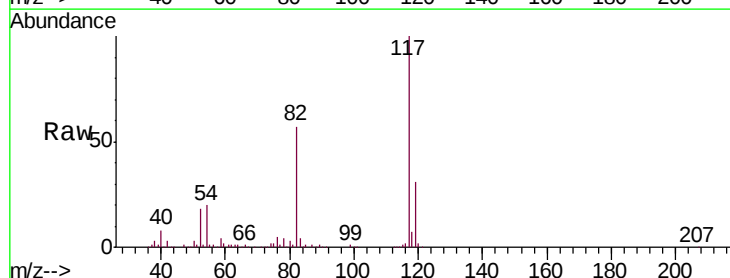
Instrument :
MSVOA_Y
ClientSampleId :
VOC-34

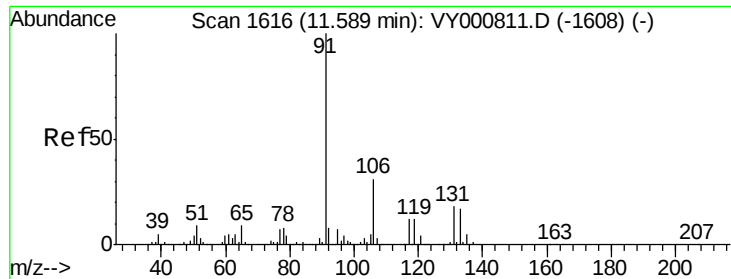
Tgt Ion: 95 Resp: 147308
Ion Ratio Lower Upper
95 100
174 79.4 0.0 150.6
176 75.0 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000866.D
Acq: 04 Dec 2019 17:21

Tgt Ion: 117 Resp: 350372
Ion Ratio Lower Upper
117 100
82 56.8 43.1 64.7
119 31.4 25.3 37.9

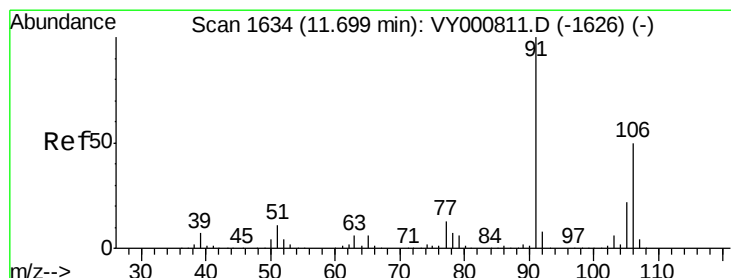
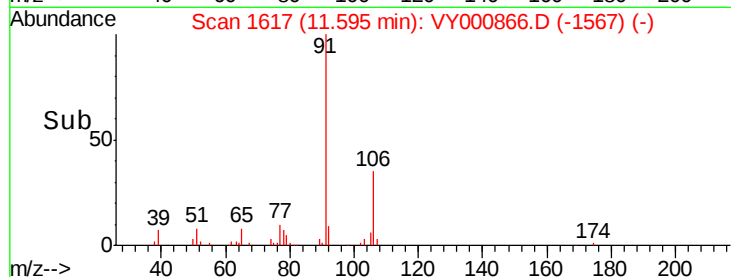
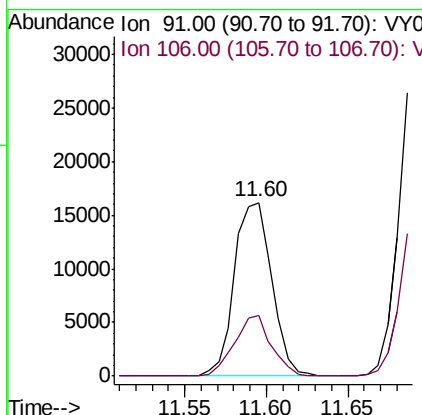
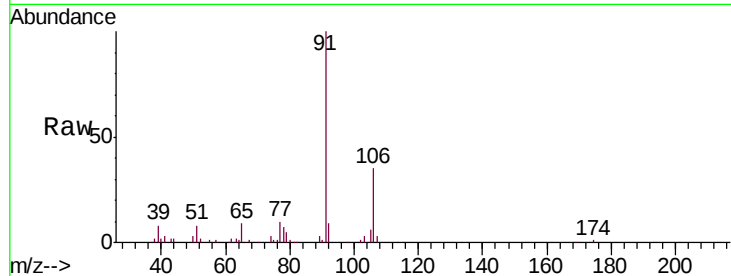




#67
Ethyl Benzene
Concen: 1.910 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000866.D
Acq: 04 Dec 2019 17:21

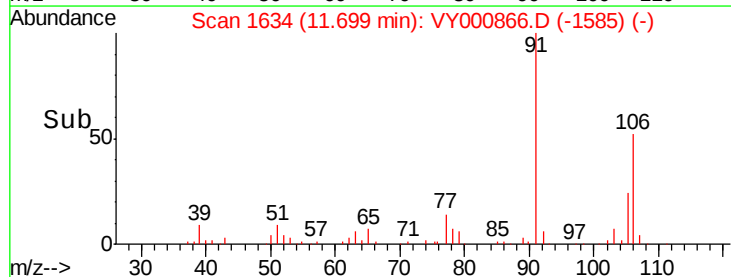
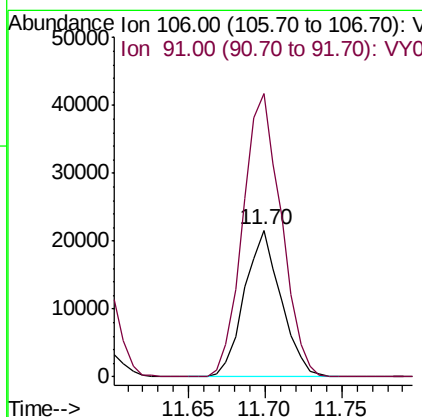
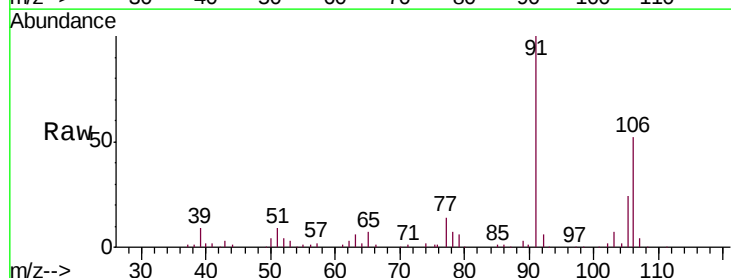
Instrument :
MSVOA_Y
ClientSampled :
VOC-34

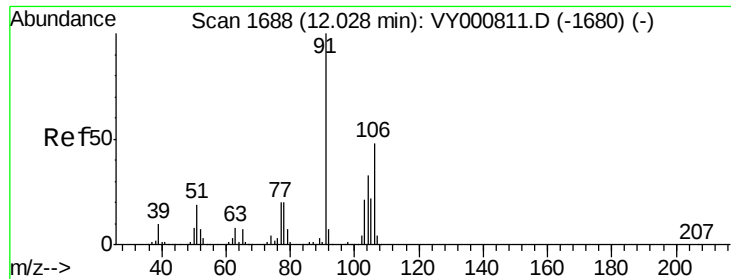
Tgt Ion: 91 Resp: 25902
Ion Ratio Lower Upper
91 100
106 35.2 24.4 36.6



#68
m/p-Xylenes
Concen: 7.087 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY000866.D
Acq: 04 Dec 2019 17:21

Tgt Ion: 106 Resp: 36080
Ion Ratio Lower Upper
106 100
91 202.0 159.6 239.4

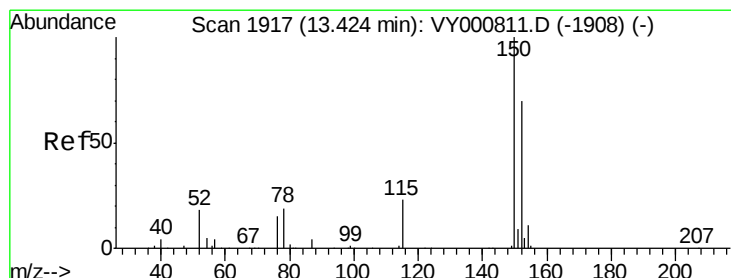
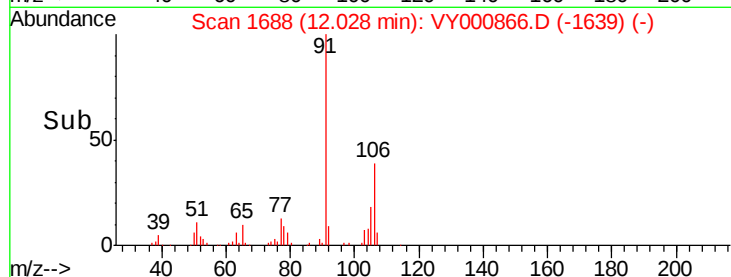
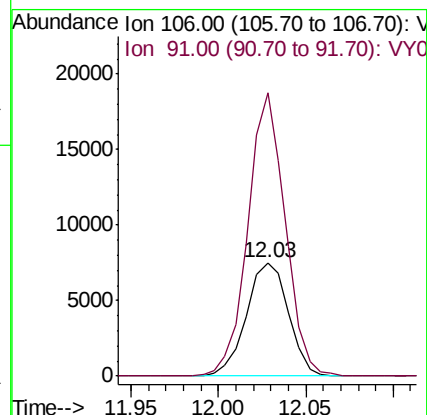
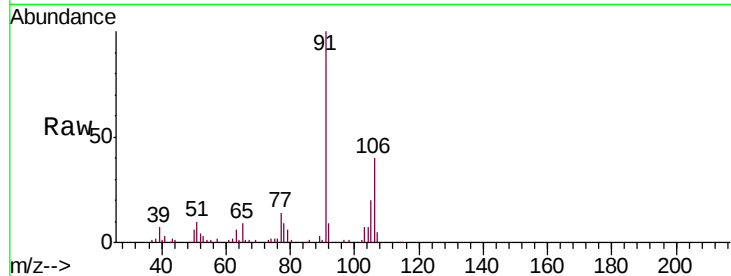




#69
o-Xylene
Concen: 2.645 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000866.D
Acq: 04 Dec 2019 17:21

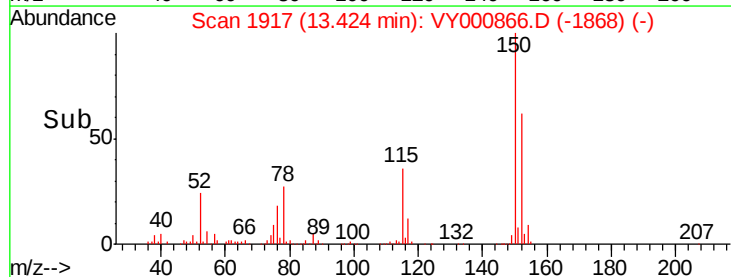
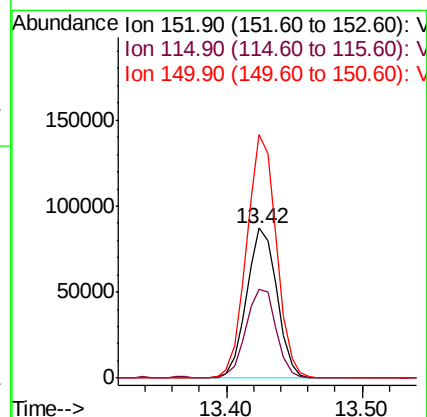
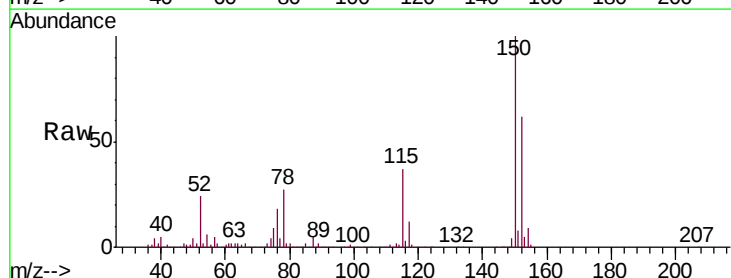
Instrument :
MSVOA_Y
ClientSampled :
VOC-34

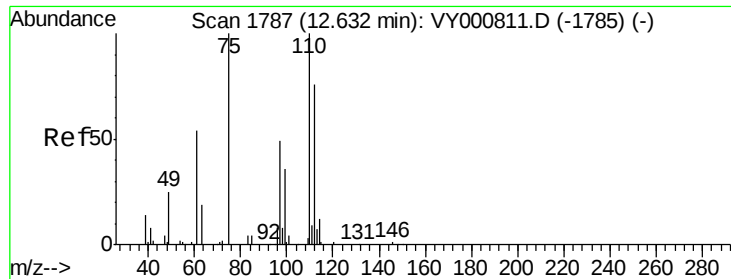
Tgt Ion:106 Resp: 12554
Ion Ratio Lower Upper
106 100
91 221.9 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000866.D
Acq: 04 Dec 2019 17:21

Tgt Ion:152 Resp: 136061
Ion Ratio Lower Upper
152 100
115 59.6 29.3 87.8
150 158.7 0.0 351.2

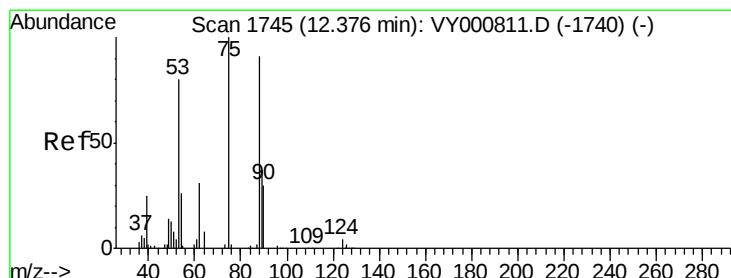
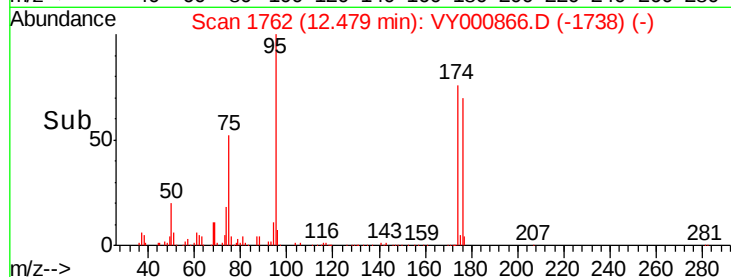
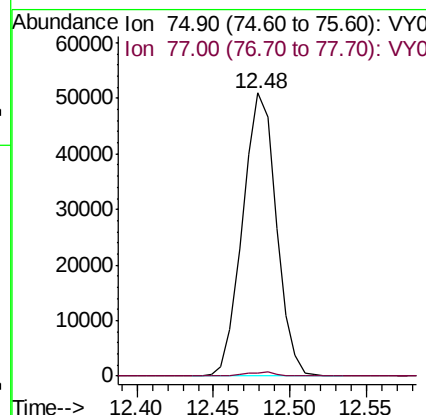
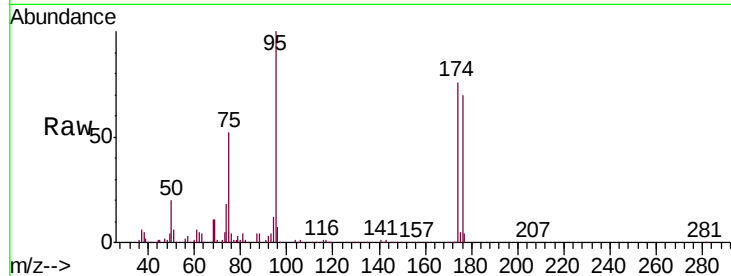




#76
 1,2,3-Trichloropropane
 Concen: 50.522 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY000866.D
 Acq: 04 Dec 2019 17:21

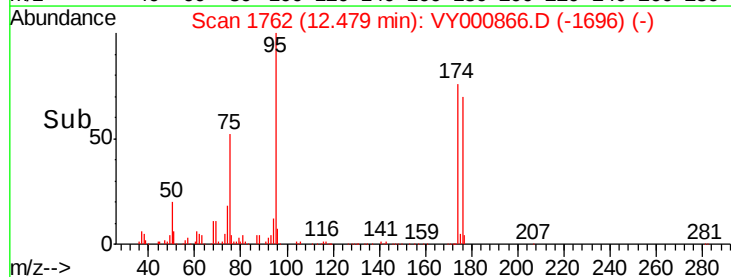
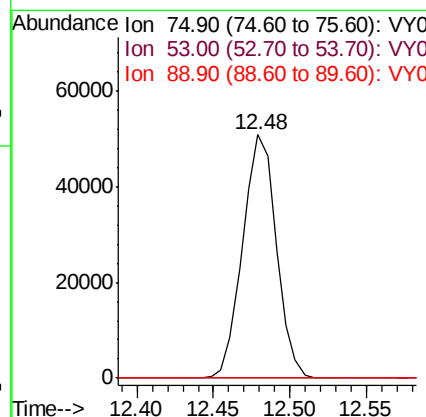
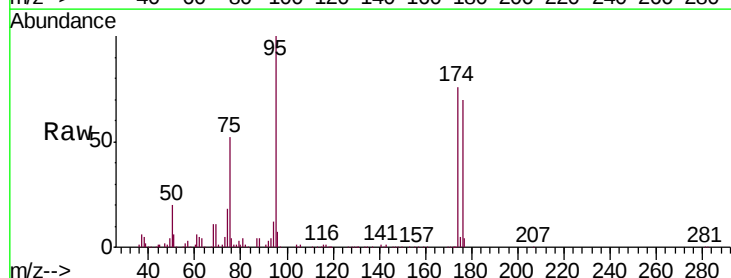
Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-34

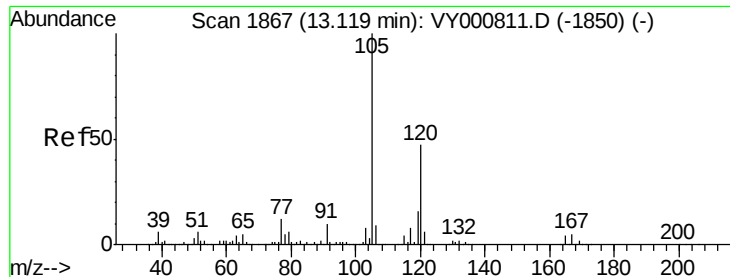
Tgt Ion: 75 Resp: 77882
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.239 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY000866.D
 Acq: 04 Dec 2019 17:21

Tgt Ion: 75 Resp: 77882
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.6 96.8#
 89 0.0 33.6 50.4#

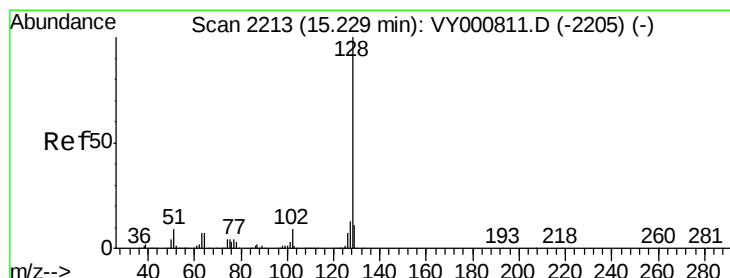
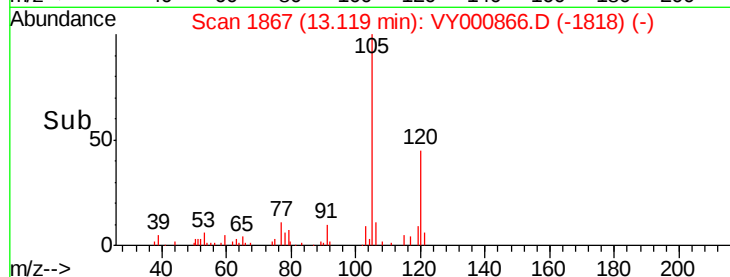
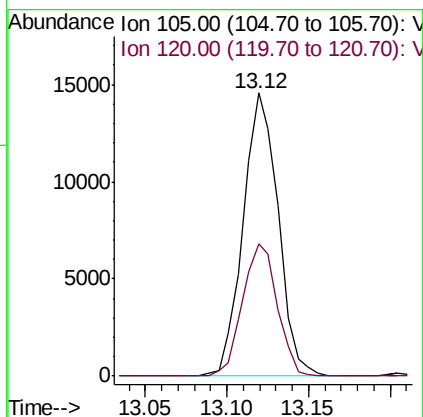
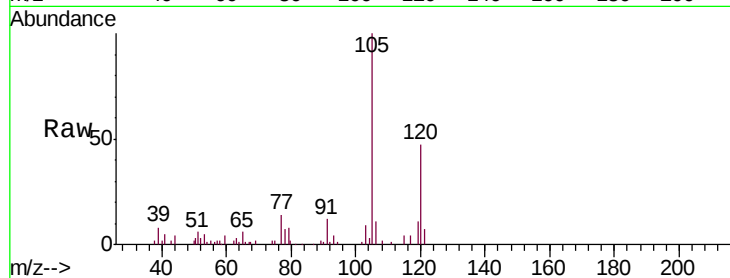




#84
 1,2,4-Trimethylbenzene
 Concen: 2.428 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000866.D
 Acq: 04 Dec 2019 17:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-34

Tgt Ion:105 Resp: 21788
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.6 67.8



#95
 Naphthalene
 Concen: 5.184 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.01 min
 Lab File: VY000866.D
 Acq: 04 Dec 2019 17:21

Tgt Ion:128 Resp: 33753
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.1 15.1
 129 12.0 8.8 13.2

