

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
 Data File : VY002310.D
 Acq On : 14 Apr 2020 15:48
 Operator : SY/MD
 Sample : L2115-01
 Misc : 6.85G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 15 05:35:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	137705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	281301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	259496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	102725	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	80070	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
35) Dibromofluoromethane	7.73	113	82590	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
50) Toluene-d8	10.19	98	339366	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
62) 4-Bromofluorobenzene	12.49	95	111806	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	

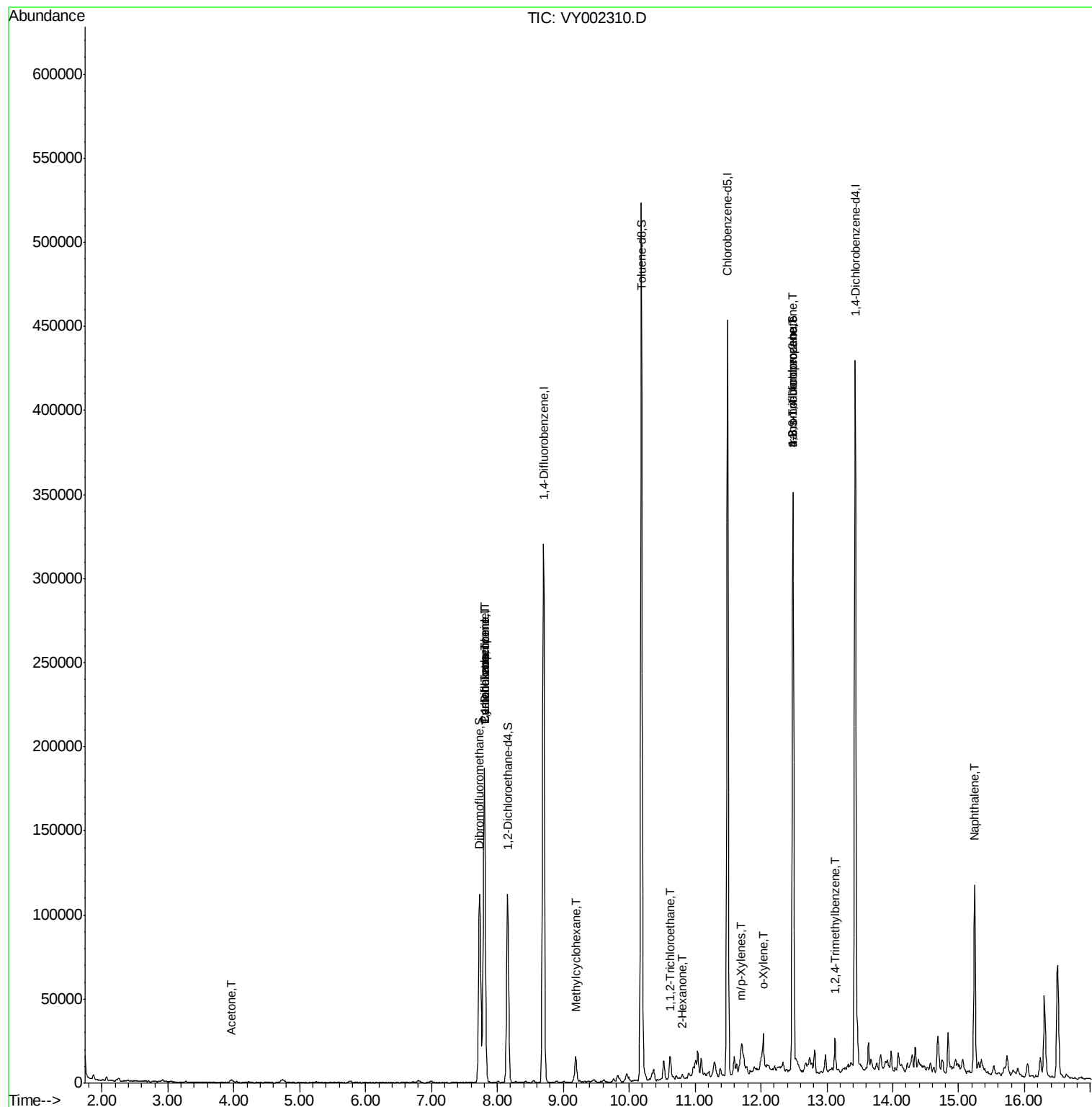
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	2931	7.267	ug/l	94
31) Cyclohexane	7.80	56	4943	1.532	ug/l #	29
36) 1,1-Dichloropropene	7.80	75	11282	4.072	ug/l #	49
38) Carbon Tetrachloride	7.80	117	14250	6.013	ug/l #	16
39) Methylcyclohexane	9.19	83	6951	1.844	ug/l	92
55) 1,1,2-Trichloroethane	10.62	97	6242	3.909	ug/l #	18
59) 2-Hexanone	10.81	43	1862	1.784	ug/l #	21
68) m/p-Xylenes	11.70	106	4555	1.232	ug/l	99
69) o-Xylene	12.03	106	4924	1.418	ug/l	95
76) 1,2,3-Trichloropropane	12.49	75	54255	45.483	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	54255	88.464	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.13	105	10088	1.514	ug/l	96
95) Naphthalene	15.24	128	91920	20.542	ug/l	99

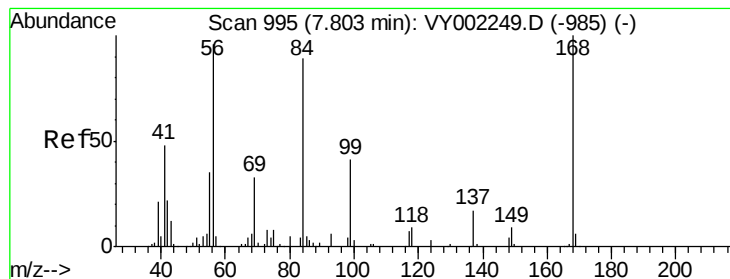
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY002310.D

Acq: 14 Apr 2020 15:48

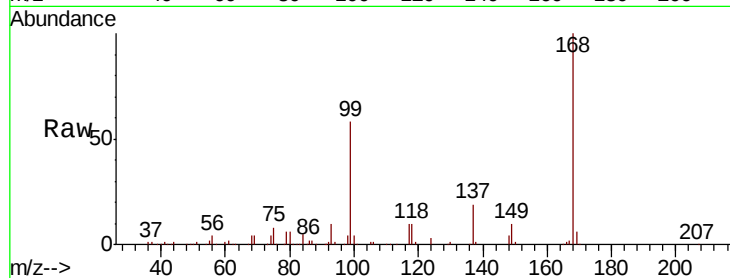
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 137705

Ion Ratio Lower Upper

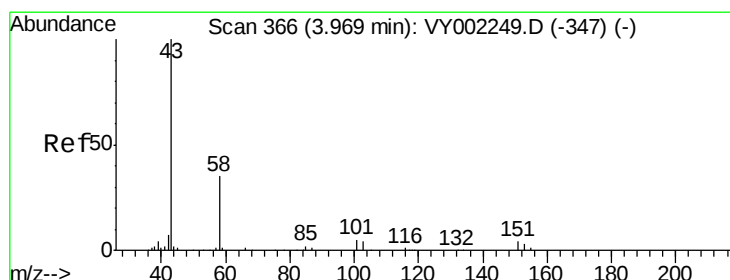
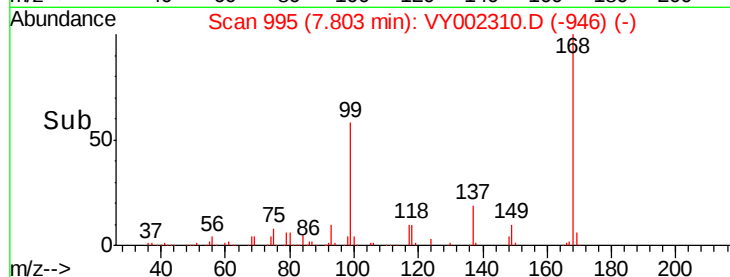
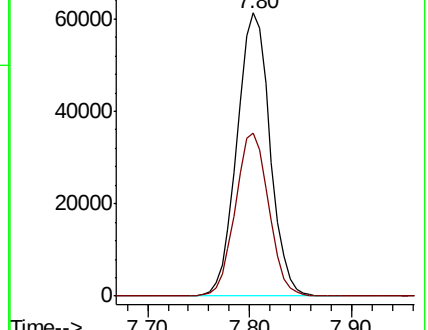
168 100

99 57.6 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)



#16

Acetone

Concen: 7.267 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY002310.D

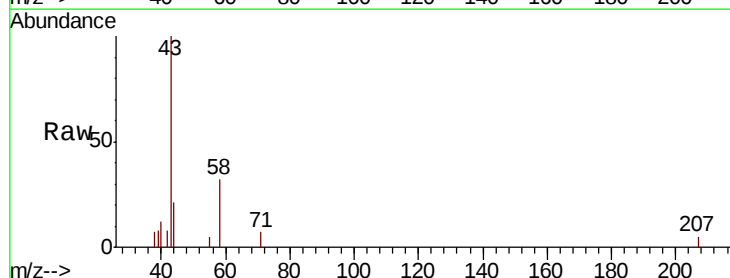
Acq: 14 Apr 2020 15:48

Tgt Ion: 43 Resp: 2931

Ion Ratio Lower Upper

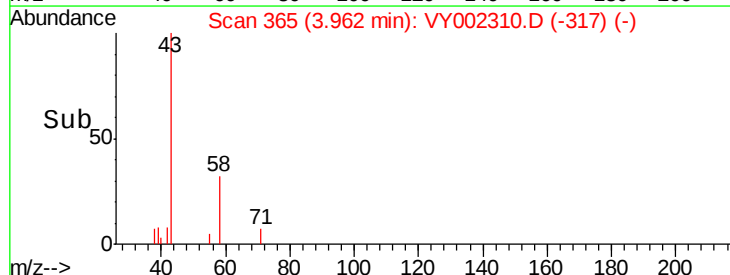
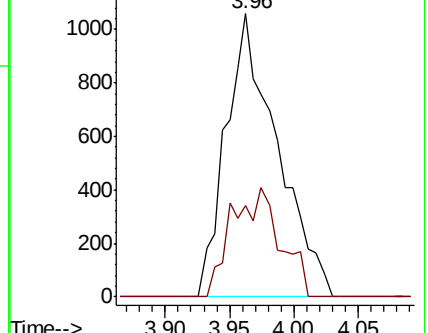
43 100

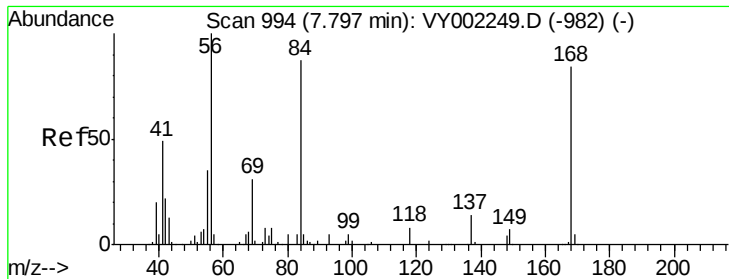
58 32.2 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY002249.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002249.D (-347) (-)

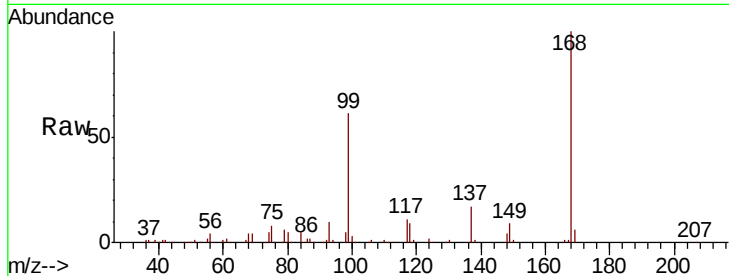




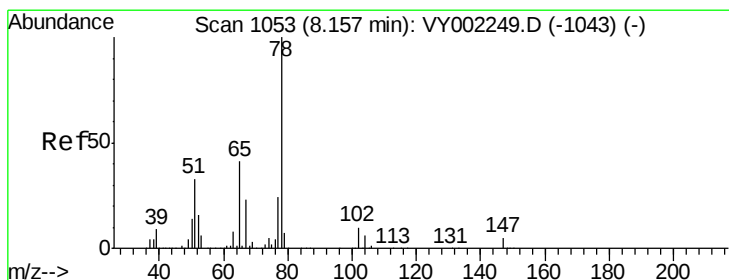
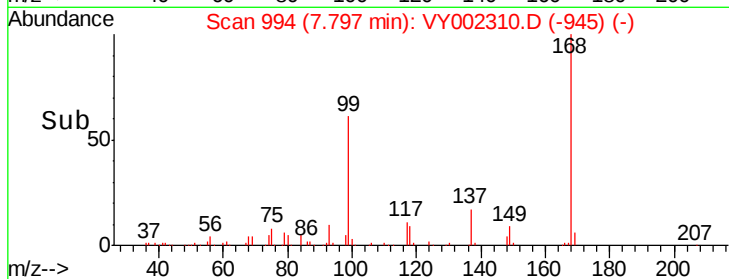
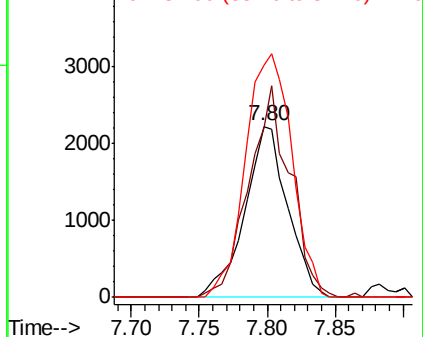
#31
Cyclohexane
Concen: 1.532 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.00 min
Lab File: VY002310.D
Acq: 14 Apr 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 4943
Ion Ratio Lower Upper
56 100
69 98.9 25.0 37.6#
84 135.3 69.7 104.5#

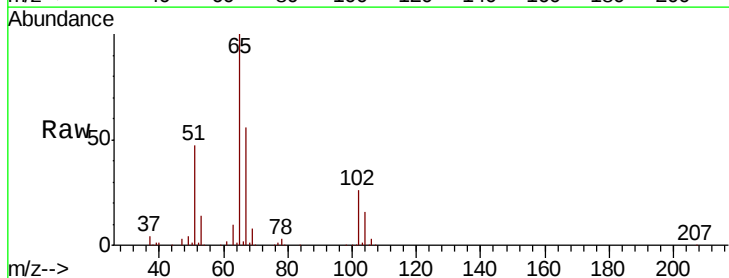


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

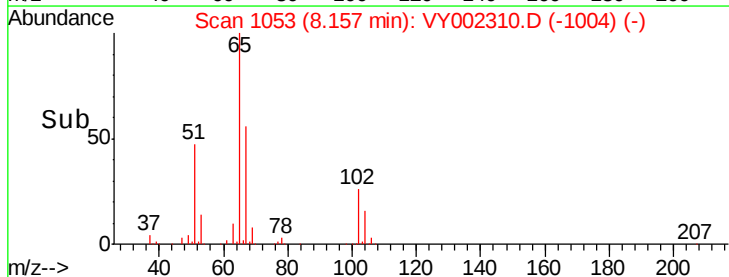
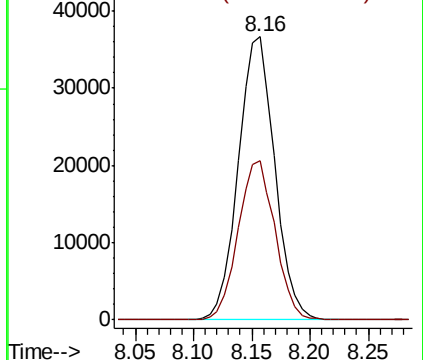


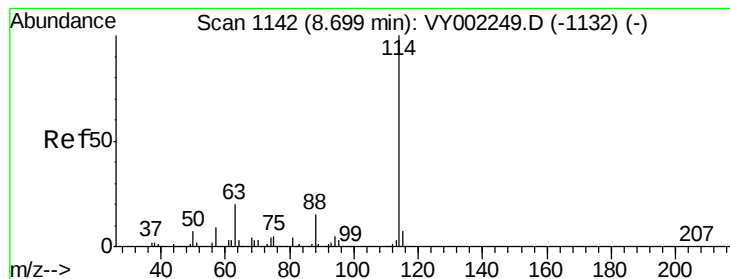
#33
1,2-Dichloroethane-d4
Concen: 52.286 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VY002310.D
Acq: 14 Apr 2020 15:48

Tgt Ion: 65 Resp: 80070
Ion Ratio Lower Upper
65 100
67 57.0 0.0 114.0



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VY002310.D

Acq: 14 Apr 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

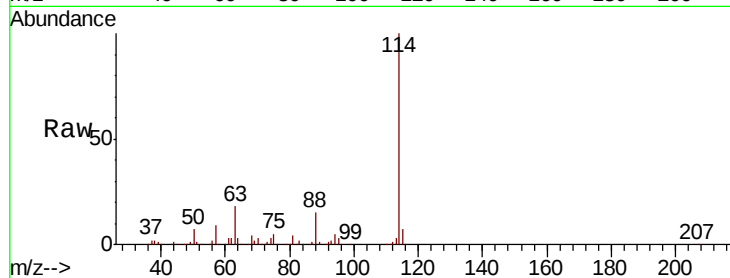
Tot Ion:114 Resp: 281301

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.0

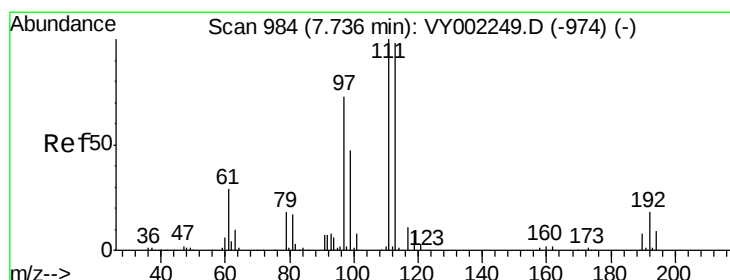
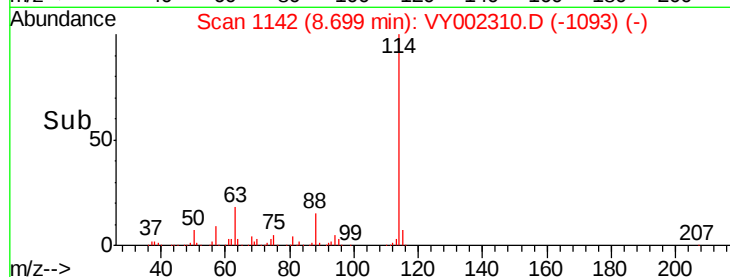
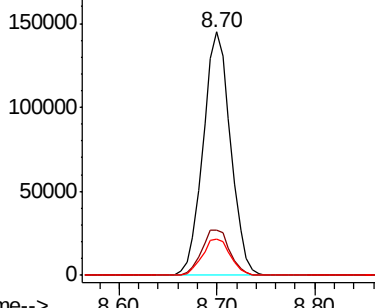
88 14.8 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 49.342 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002310.D

Acq: 14 Apr 2020 15:48

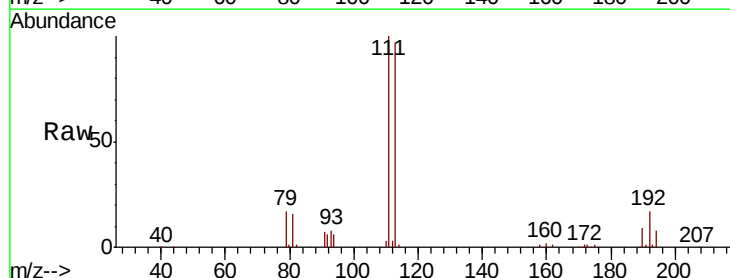
Tgt Ion:113 Resp: 82590

Ion Ratio Lower Upper

113 100

111 103.3 83.5 125.3

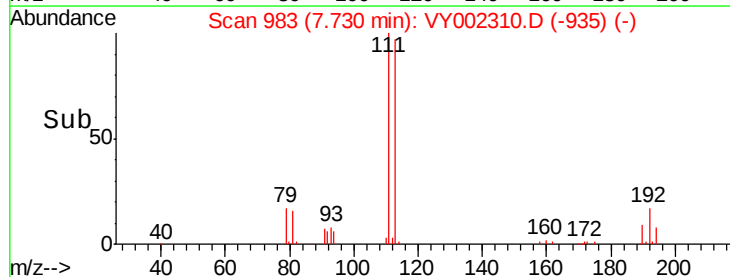
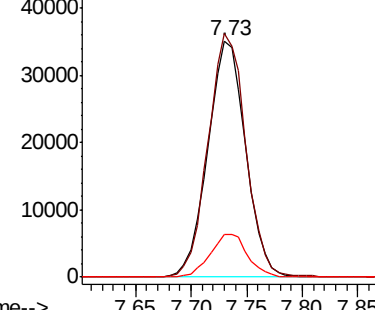
192 18.0 14.7 22.1

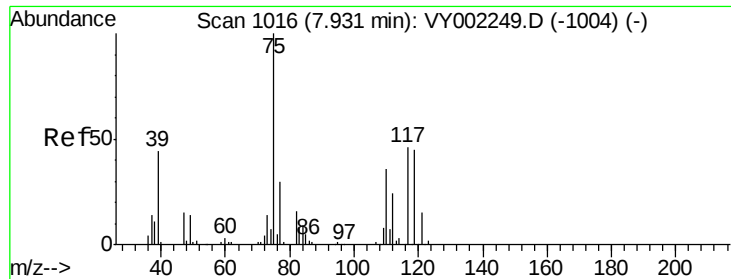


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

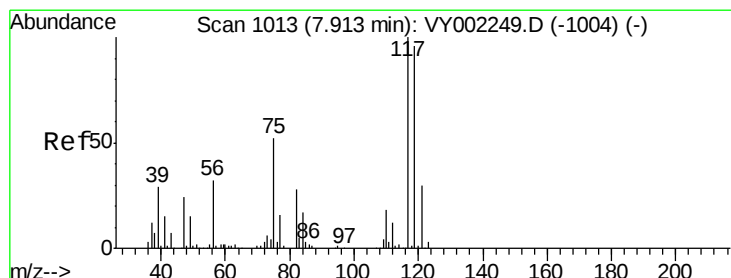
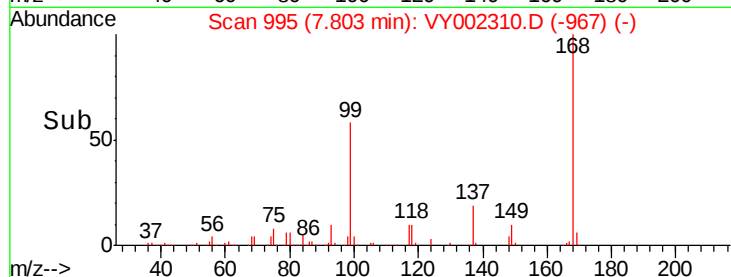
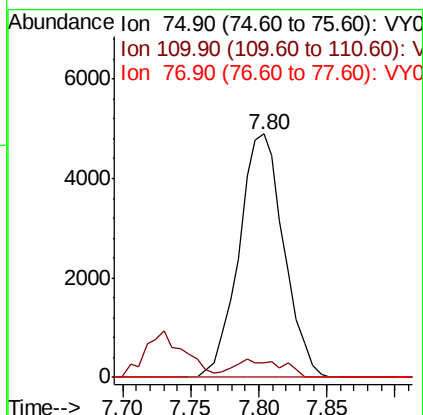
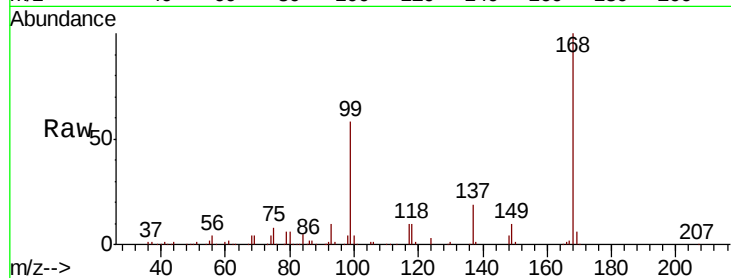




#36
 1,1-Dichloropropene
 Concen: 4.072 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002310.D
 Acq: 14 Apr 2020 15:48

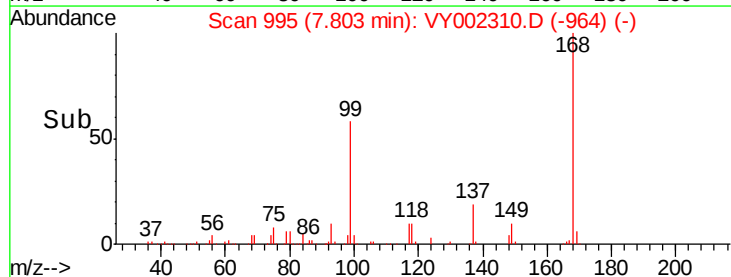
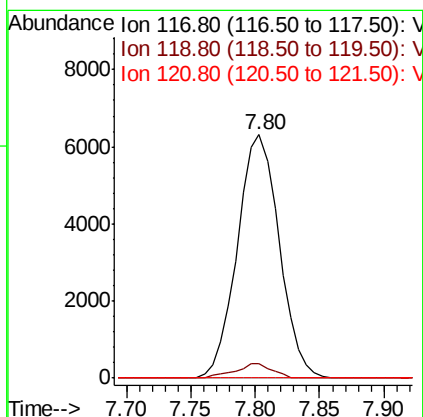
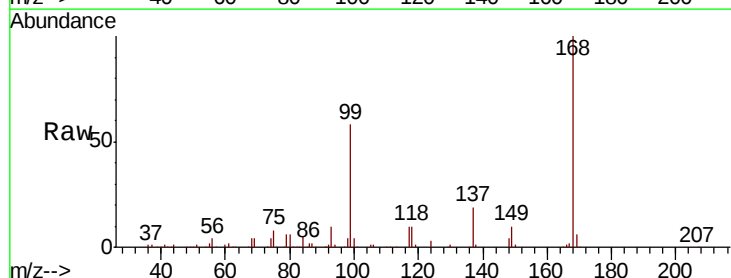
Instrument :
 MSVOA_Y
 ClientSampleId :

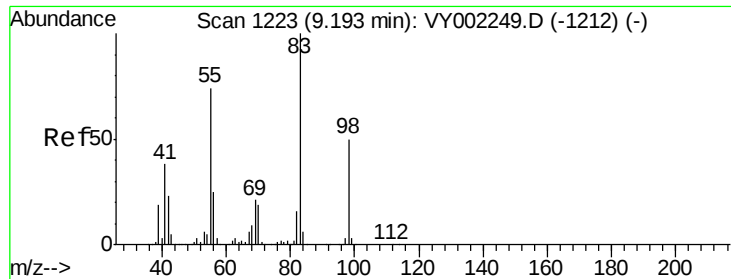
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.8	53.3#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.013 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY002310.D
 Acq: 14 Apr 2020 15:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	77.1	115.7#
121	0.0	23.9	35.9#

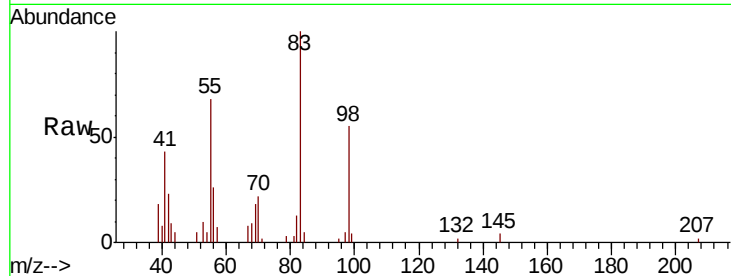




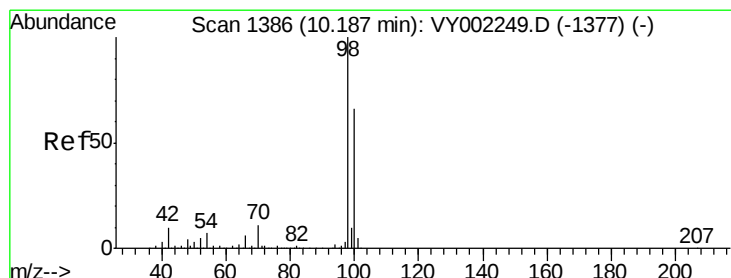
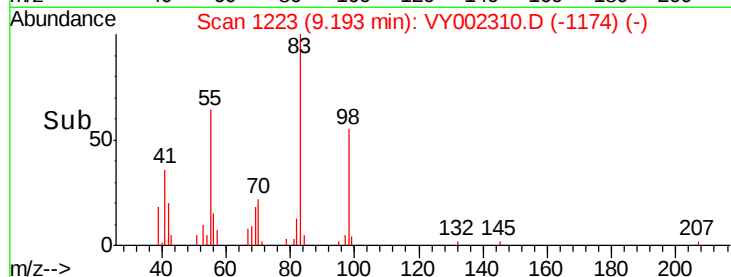
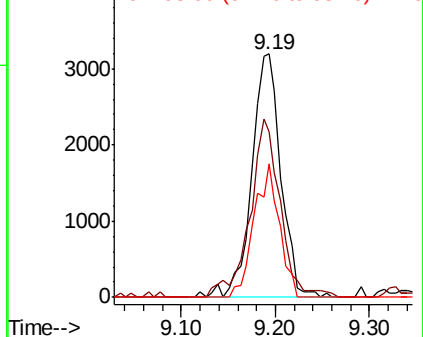
#39
Methylcyclohexane
Concen: 1.844 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VY002310.D
Acq: 14 Apr 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 83 Resp: 6951
Ion Ratio Lower Upper
83 100
55 68.0 59.3 88.9
98 55.0 39.6 59.4

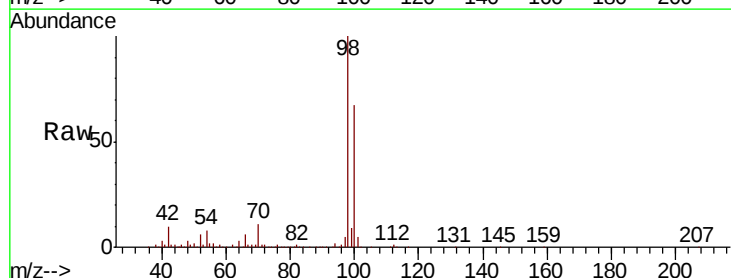


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

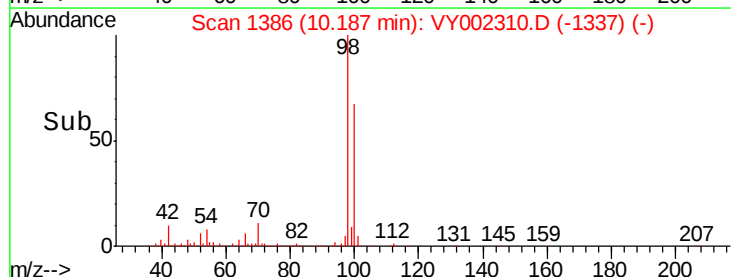
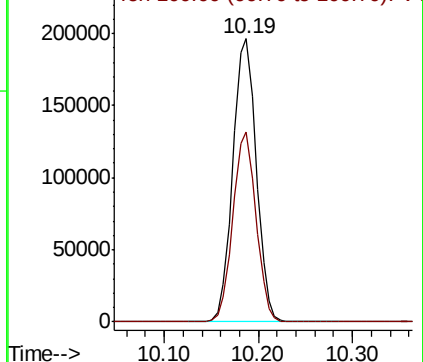


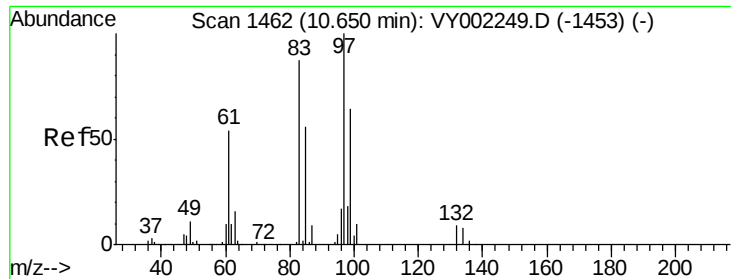
#50
Toluene-d8
Concen: 48.439 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY002310.D
Acq: 14 Apr 2020 15:48

Tgt Ion: 98 Resp: 339366
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

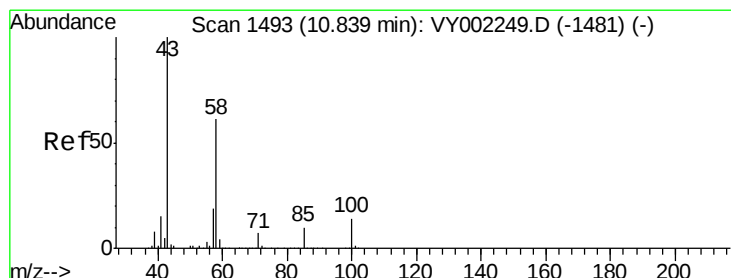
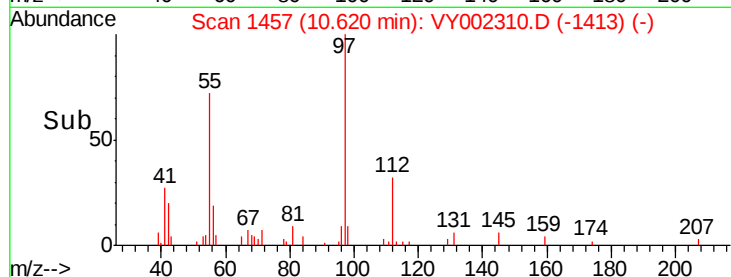
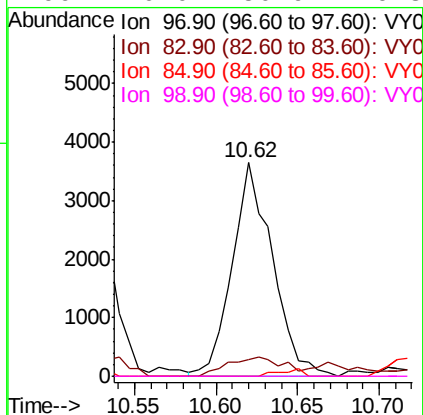
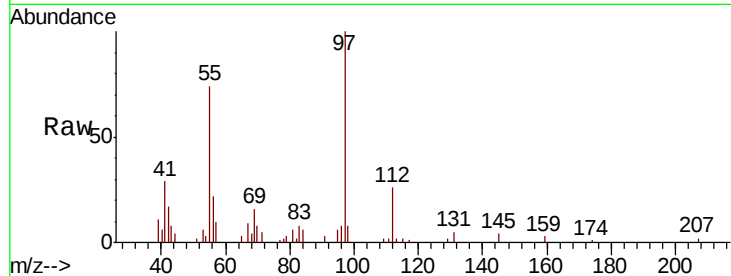




#55
 1,1,2-Trichloroethane
 Concen: 3.909 ug/l
 RT: 10.62 min Scan# 1457
 Delta R.T. -0.03 min
 Lab File: VY002310.D
 Acq: 14 Apr 2020 15:48

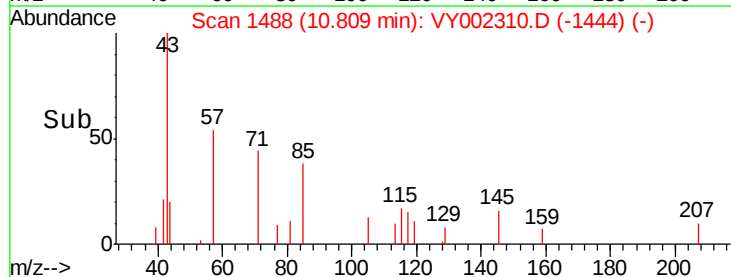
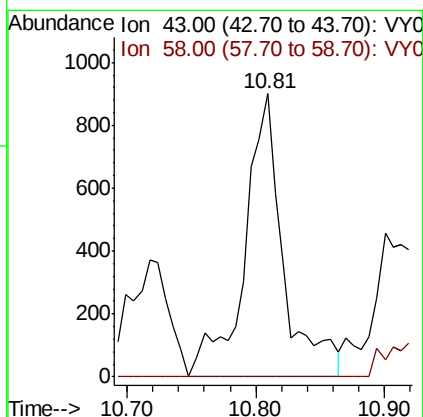
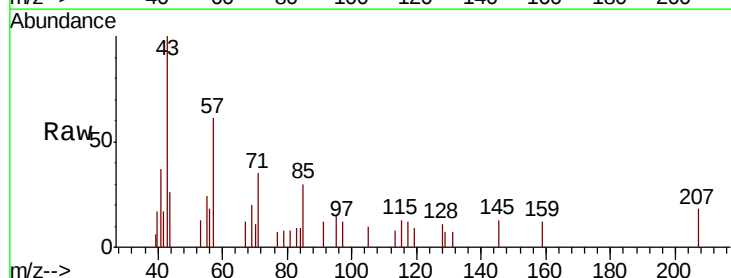
Instrument :
 MSVOA_Y
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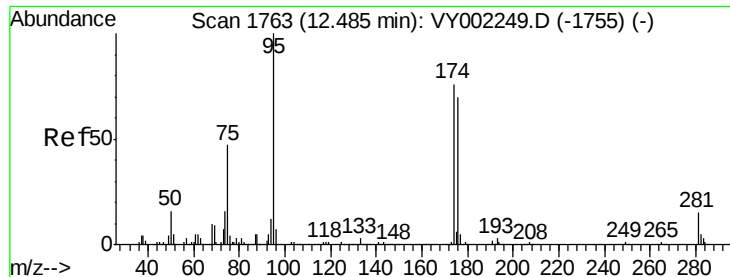
Tot Ion: 97 Resp: 6242
 Ion Ratio Lower Upper
 97 100
 83 7.7 69.5 104.3#
 85 0.0 45.2 67.8#
 99 0.0 50.9 76.3#



#59
 2-Hexanone
 Concen: 1.784 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. -0.03 min
 Lab File: VY002310.D
 Acq: 14 Apr 2020 15:48

Tgt Ion: 43 Resp: 1862
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.8 89.3#

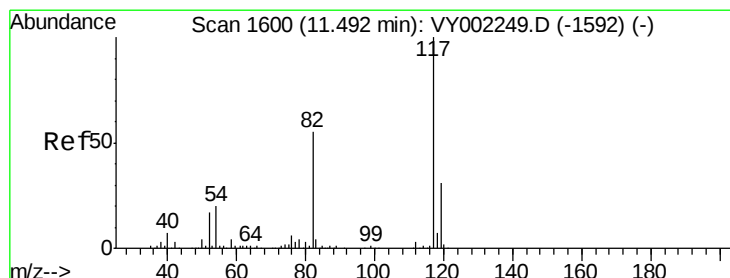
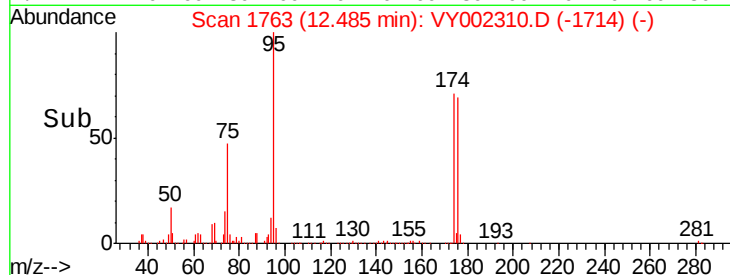
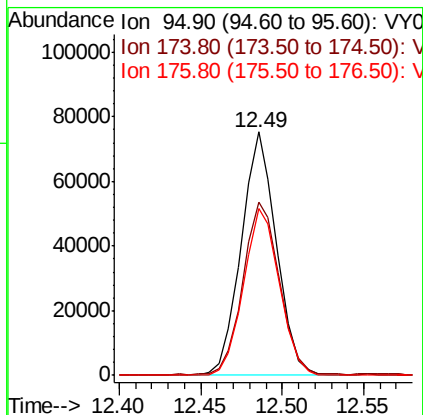
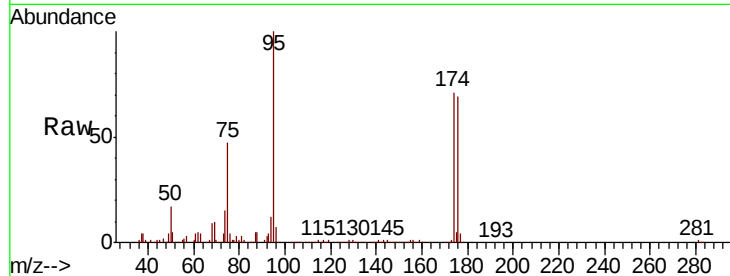




#62
4-Bromofluorobenzene
Concen: 48.372 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VY002310.D
Acq: 14 Apr 2020 15:48

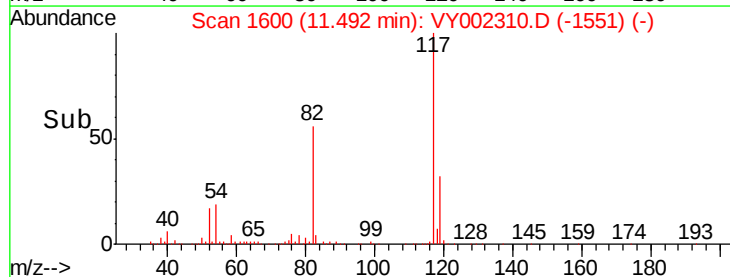
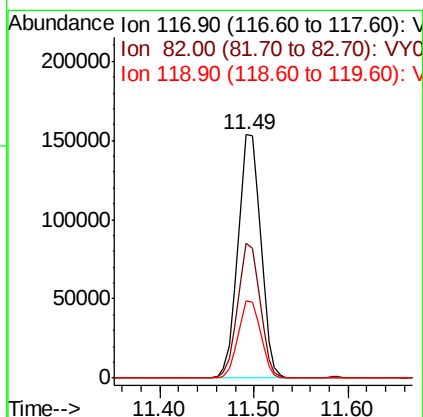
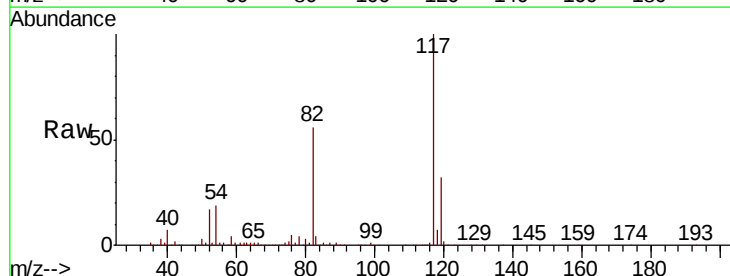
Instrument :
MSVOA_Y
ClientSampleId :

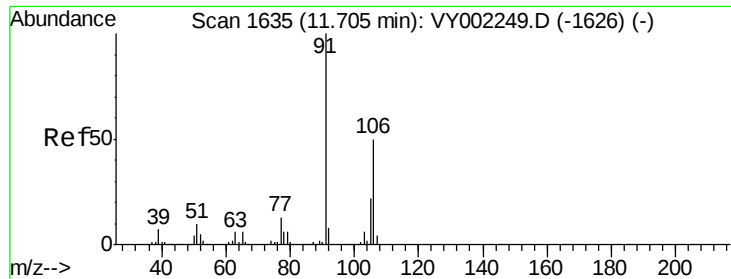
Tot Ion: 95 Resp: 111806
Ion Ratio Lower Upper
95 100
174 74.5 0.0 150.6
176 70.3 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002310.D
Acq: 14 Apr 2020 15:48

Tgt Ion: 117 Resp: 259496
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.4
119 31.5 25.1 37.7

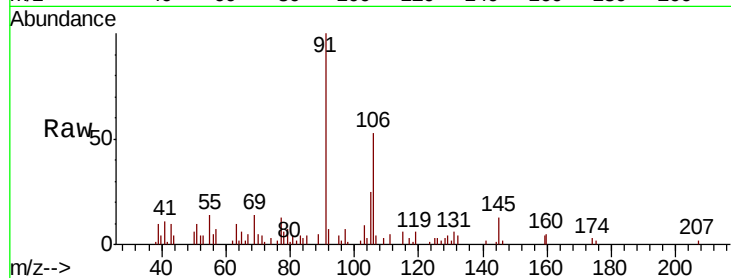




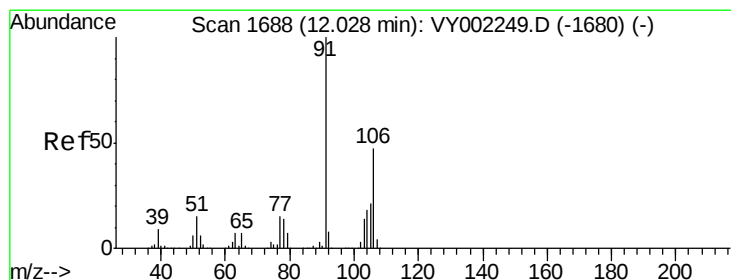
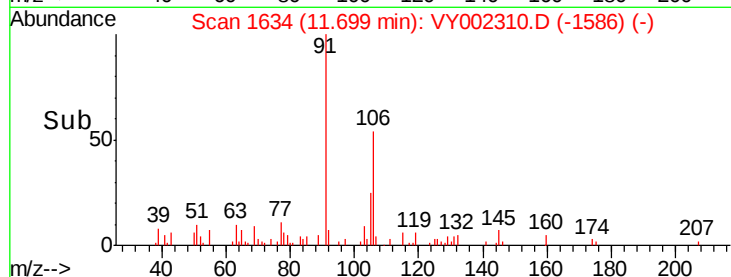
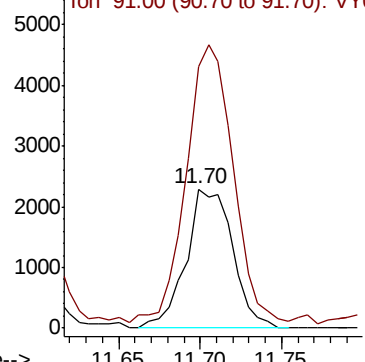
#68
m/p-Xylenes
Concen: 1.232 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VY002310.D
Acq: 14 Apr 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:106 Resp: 4555
Ion Ratio Lower Upper
106 100
91 198.7 159.8 239.6

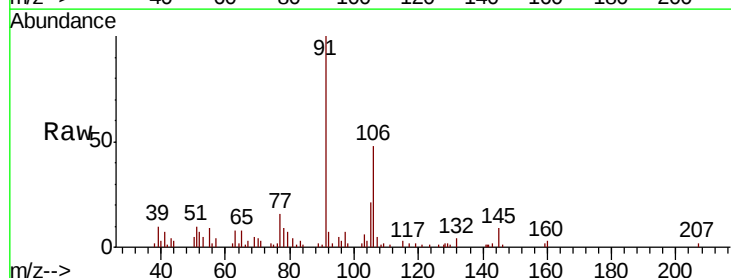


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

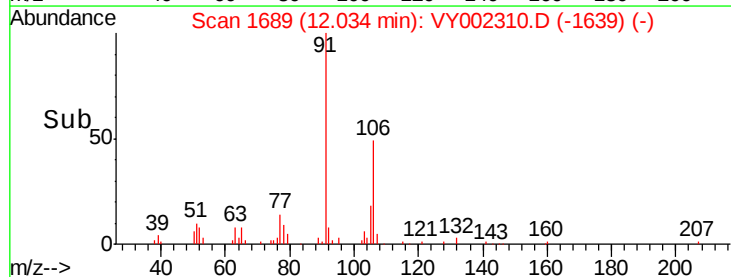
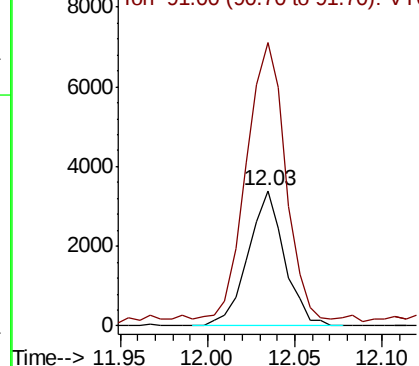


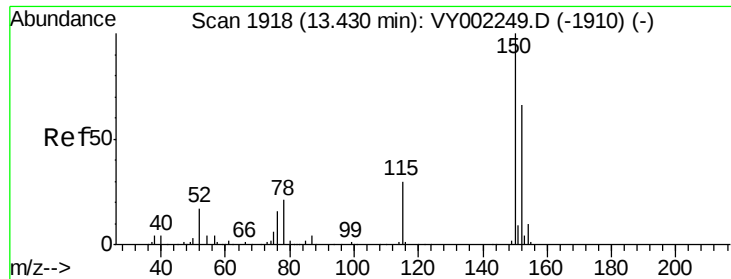
#69
o-Xylene
Concen: 1.418 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY002310.D
Acq: 14 Apr 2020 15:48

Tgt Ion:106 Resp: 4924
Ion Ratio Lower Upper
106 100
91 220.0 105.8 317.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0



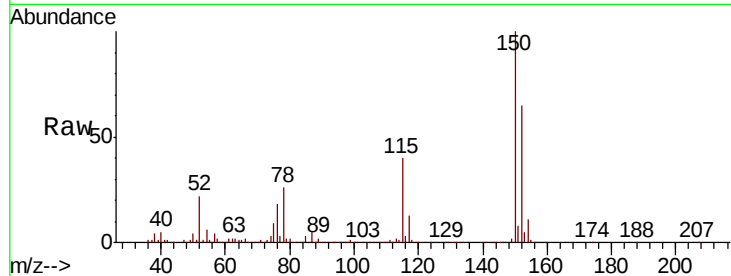


#72

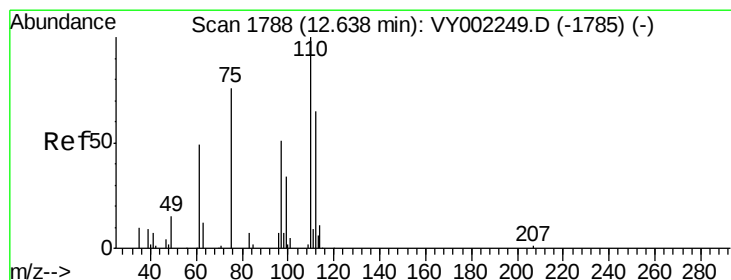
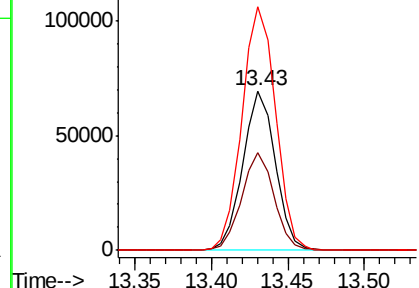
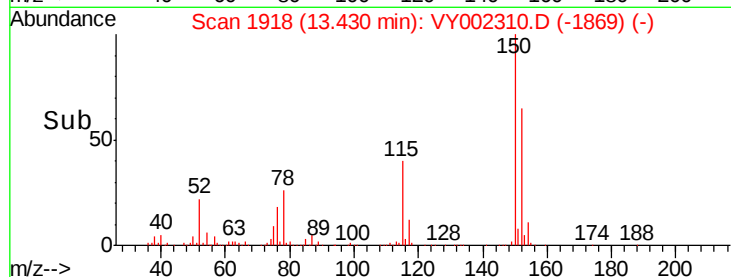
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY002310.D
Acq: 14 Apr 2020 15:48

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:152 Resp: 102725
Ion Ratio Lower Upper
152 100
115 60.9 30.7 92.1
150 157.8 0.0 350.6



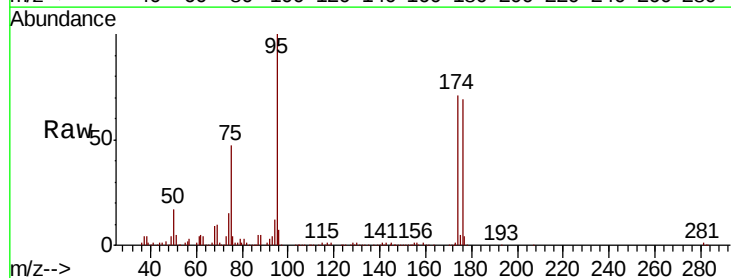
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



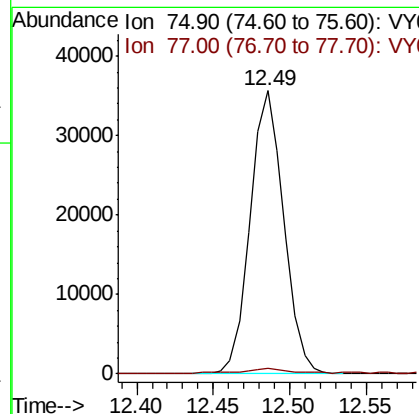
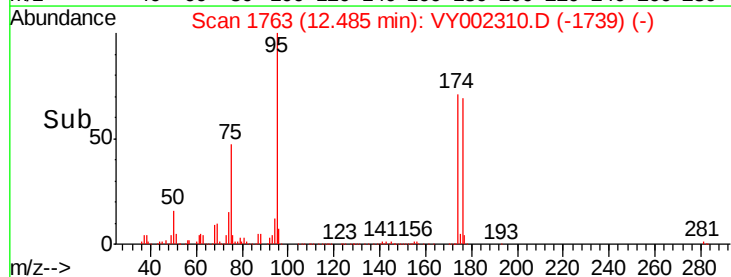
#76

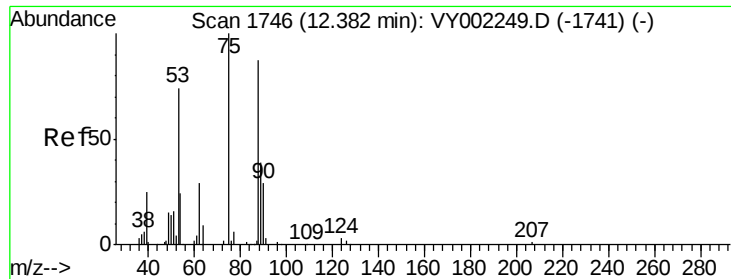
1,2,3-Trichloropropane
Concen: 45.483 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.15 min
Lab File: VY002310.D
Acq: 14 Apr 2020 15:48

Tgt Ion: 75 Resp: 54255
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 88.464 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002310.D

Acq: 14 Apr 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

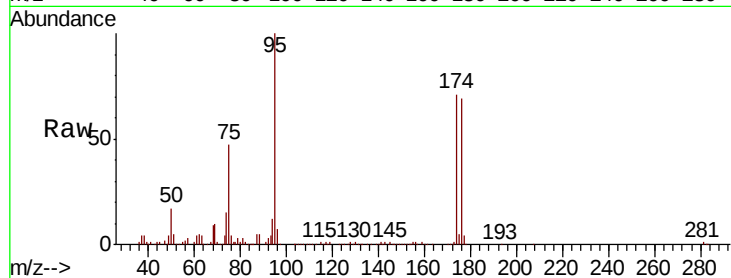
Tot Ion: 75 Resp: 54255

Ion Ratio Lower Upper

75 100

53 0.2 59.8 89.8#

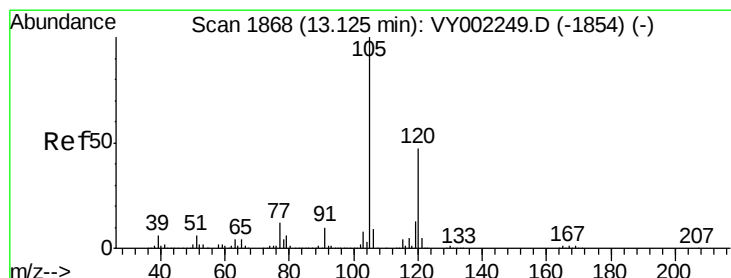
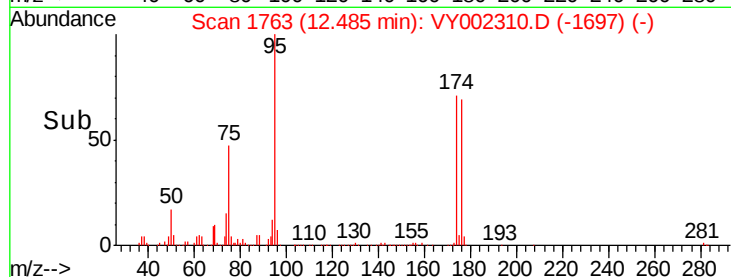
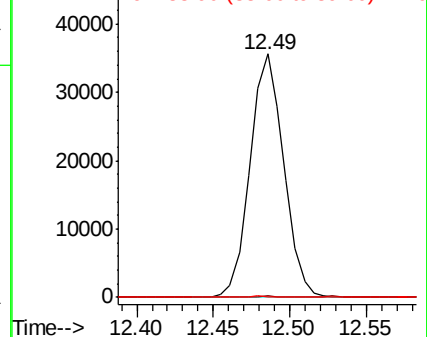
89 0.1 37.0 55.6#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.514 ug/l

RT: 13.13 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VY002310.D

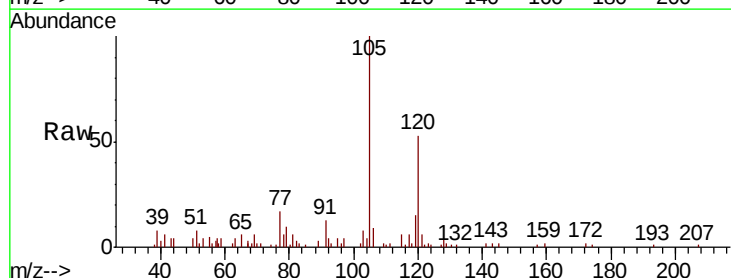
Acq: 14 Apr 2020 15:48

Tgt Ion: 105 Resp: 10088

Ion Ratio Lower Upper

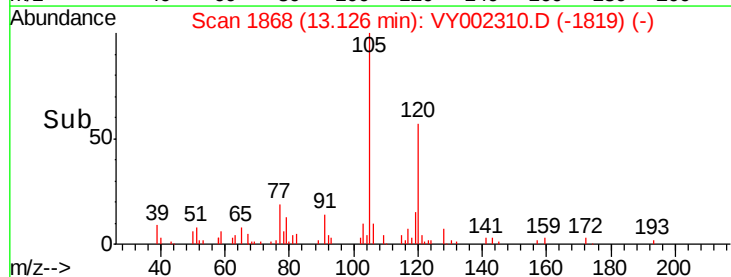
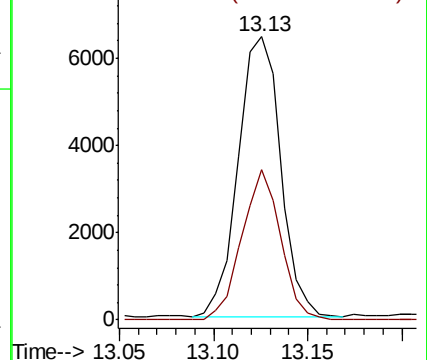
105 100

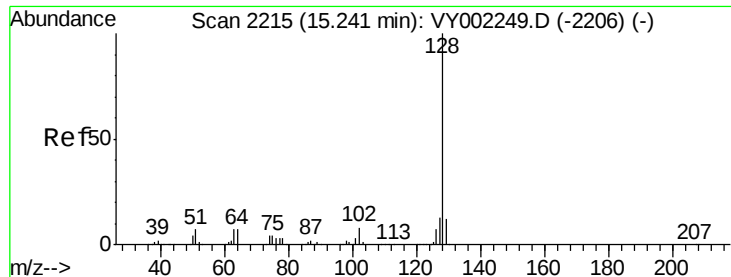
120 48.7 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

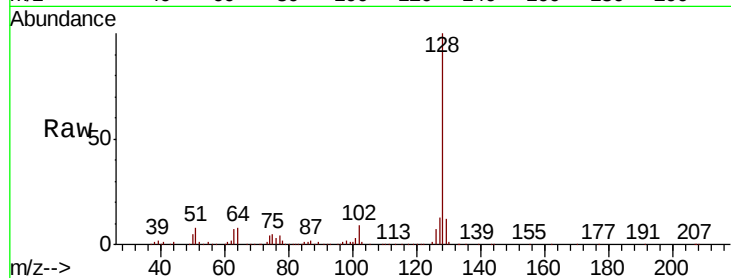




#95
 Naphthalene
 Concen: 20.542 ug/l
 RT: 15.24 min Scan# 2215
 Delta R.T. 0.00 min
 Lab File: VY002310.D
 Acq: 14 Apr 2020 15:48

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.7	8.7	13.1



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

