

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002414.D
 Acq On : 17 Apr 2020 20:47
 Operator : SY/MD
 Sample : L2283-06
 Misc : 4.79G/5ML/MSVOA Y/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 18 04:41:03 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	7.82	168	125675	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	251785	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	241580	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	110552	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	60831	43.53	ug/l	0.00
Spiked Amount			Recovery	=	87.06%	
35) Dibromofluoromethane	7.74	113	71232	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
50) Toluene-d8	10.19	98	300252	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
62) 4-Bromofluorobenzene	12.49	95	100134	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	

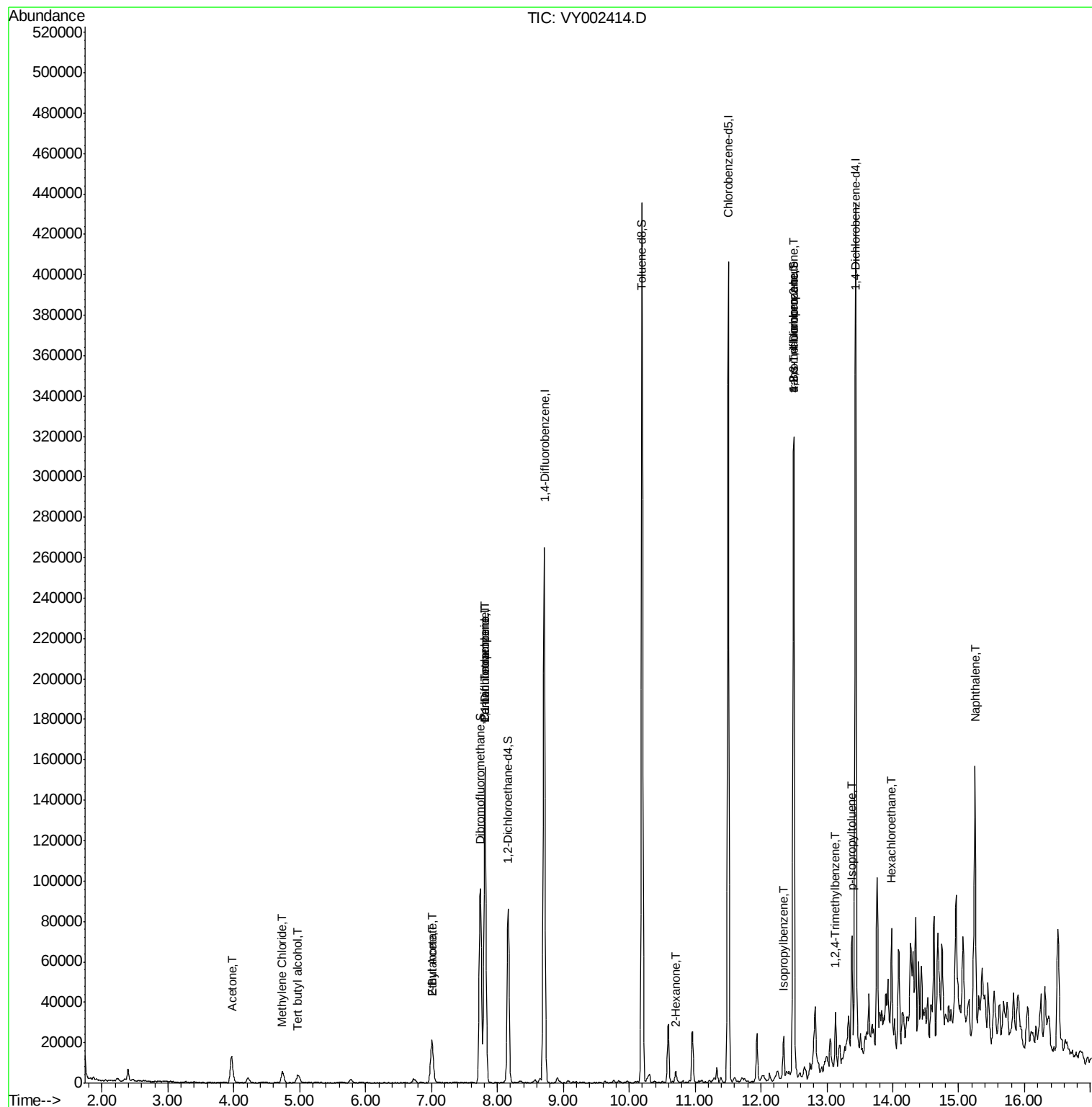
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	8609	28.102	ug/l #	94
16) Acetone	3.97	43	21848	59.353	ug/l #	85
20) Methylene Chloride	4.74	84	4513	2.494	ug/l	84
25) 2-Butanone	7.02	43	10582	18.165	ug/l #	88
36) 1,1-Dichloropropene	7.81	75	8991	3.625	ug/l #	49
37) Ethyl Acetate	7.02	43	10582	7.469	ug/l #	75
38) Carbon Tetrachloride	7.81	117	12347	5.820	ug/l #	16
59) 2-Hexanone	10.71	43	3573	3.824	ug/l	73
73) Isopropylbenzene	12.35	105	9723	1.120	ug/l	97
76) 1,2,3-Trichloropropane	12.49	75	47179	36.751	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	47179	71.480	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.13	105	15824	2.206	ug/l	98
86) p-Isopropyltoluene	13.38	119	30007	3.890	ug/l	99
90) Hexachloroethane	13.99	117	1986	1.351	ug/l #	17
95) Naphthalene	15.25	128	103736	21.541	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002414.D

Acq: 17 Apr 2020 20:47

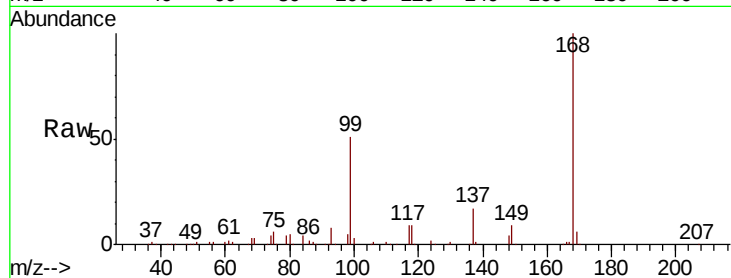
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 125675

Ion Ratio Lower Upper

168 100

99 51.2 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) (-)

7.82

60000

50000

40000

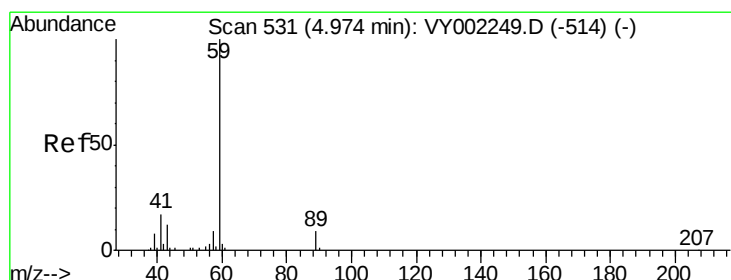
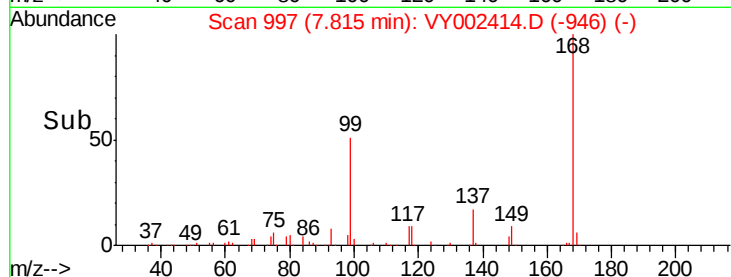
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 28.102 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.00 min

Lab File: VY002414.D

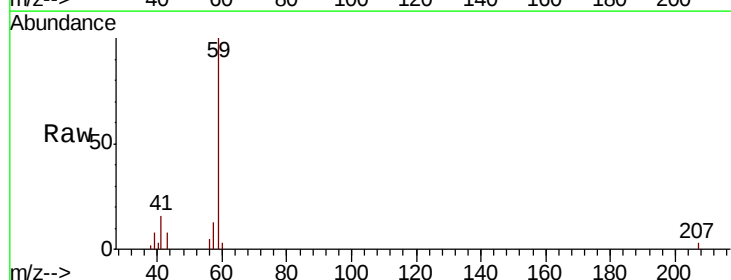
Acq: 17 Apr 2020 20:47

Tgt Ion: 59 Resp: 8609

Ion Ratio Lower Upper

59 100

57 10.3 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002249.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002249.D (-514) (-)

4.97

2500

2000

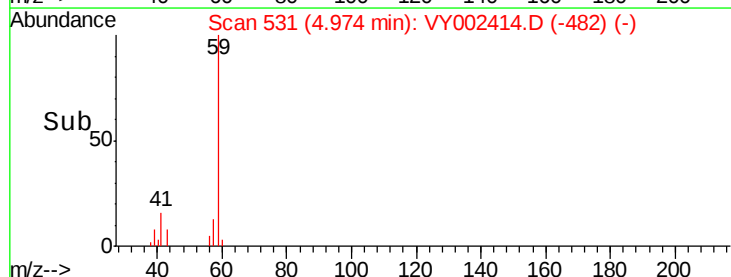
1500

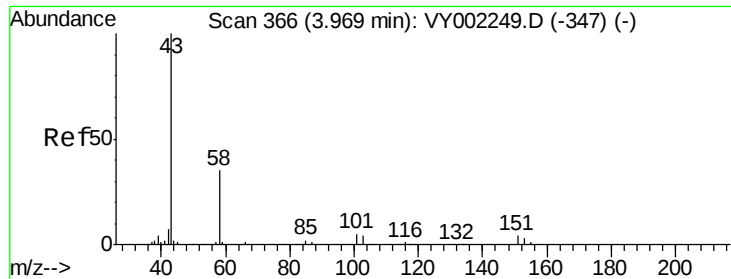
1000

500

0

Time-->





#16

Acetone

Concen: 59.353 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.00 min

Lab File: VY002414.D

Acq: 17 Apr 2020 20:47

Instrument :

MSVOA_Y

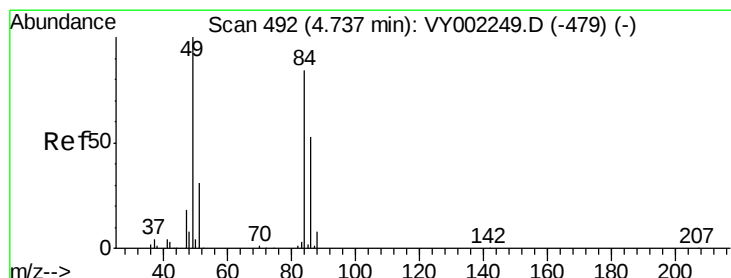
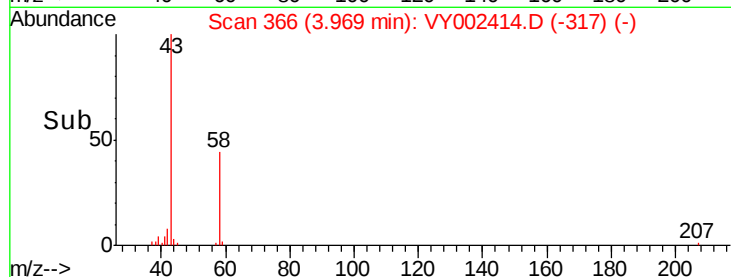
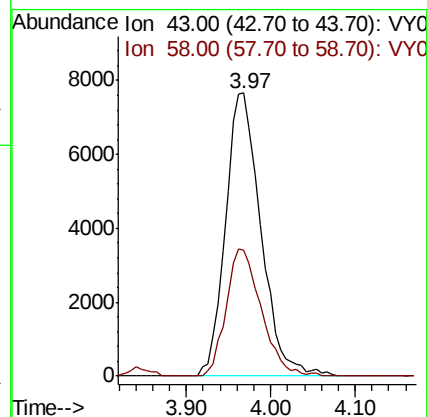
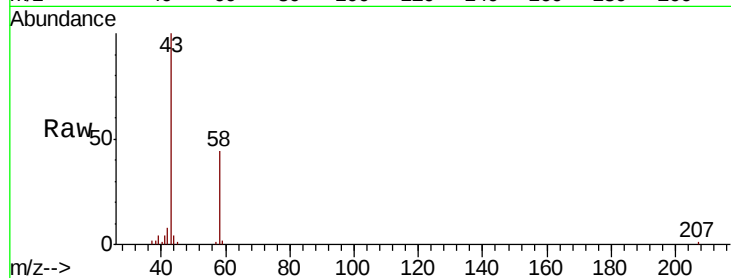
ClientSampleId :

Tot Ion: 43 Resp: 21848

Ion Ratio Lower Upper

43 100

58 44.5 28.5 42.7#



#20

Methylene Chloride

Concen: 2.494 ug/l

RT: 4.74 min Scan# 492

Delta R.T. 0.00 min

Lab File: VY002414.D

Acq: 17 Apr 2020 20:47

Tgt Ion: 84 Resp: 4513

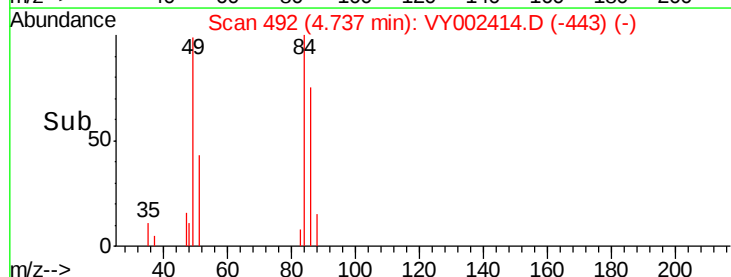
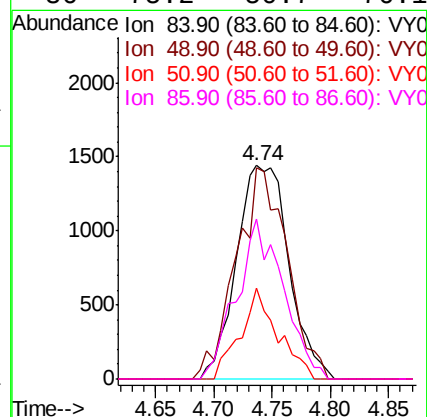
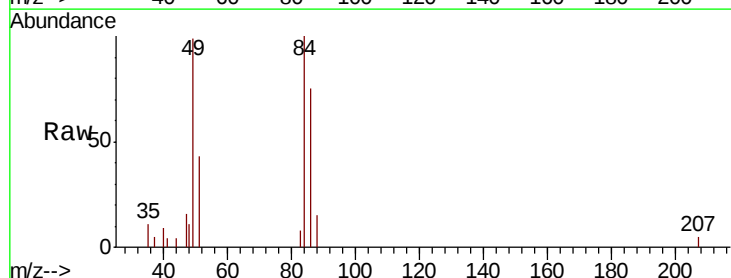
Ion Ratio Lower Upper

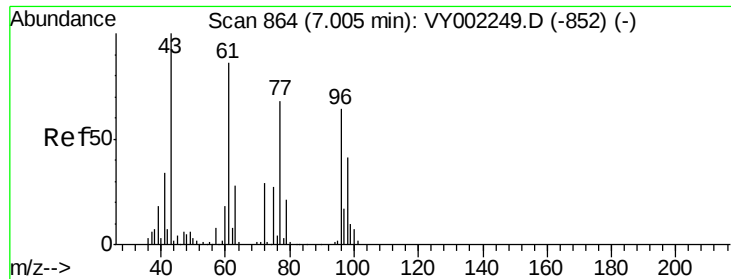
84 100

49 99.2 95.5 143.3

51 42.7 29.5 44.3

86 75.2 50.7 76.1





#25

2-Butanone

Concen: 18.165 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002414.D

Acq: 17 Apr 2020 20:47

Instrument :

MSVOA_Y

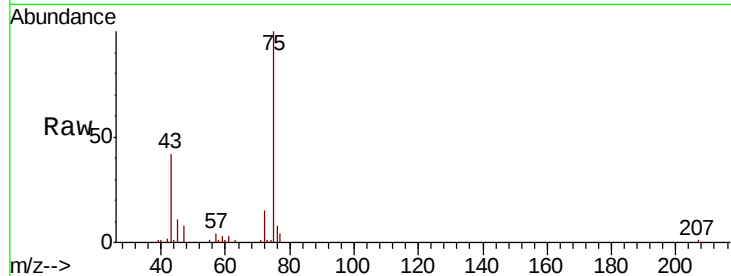
ClientSampled :

Tot Ion: 43 Resp: 10582

Ion Ratio Lower Upper

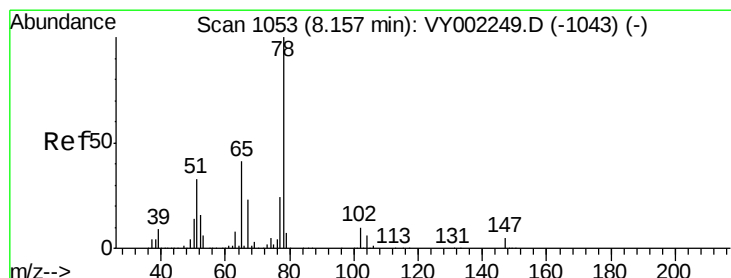
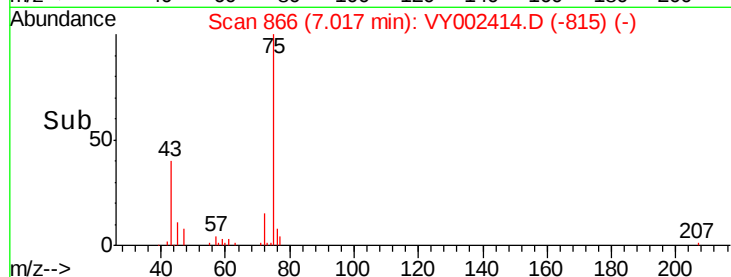
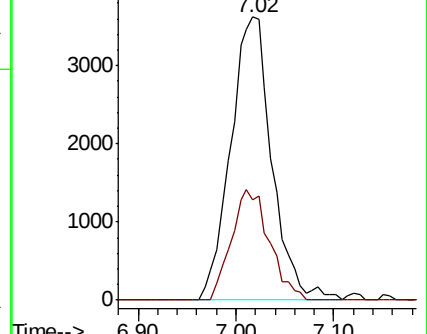
43 100

72 35.3 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 43.525 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VY002414.D

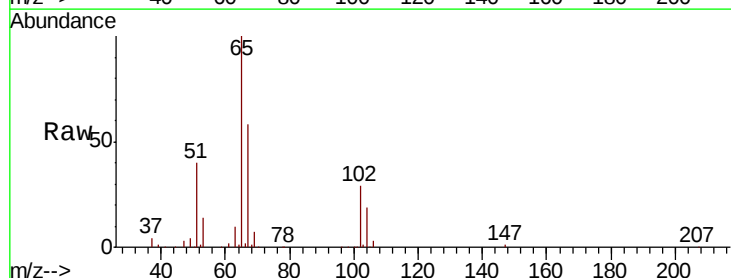
Acq: 17 Apr 2020 20:47

Tgt Ion: 65 Resp: 60831

Ion Ratio Lower Upper

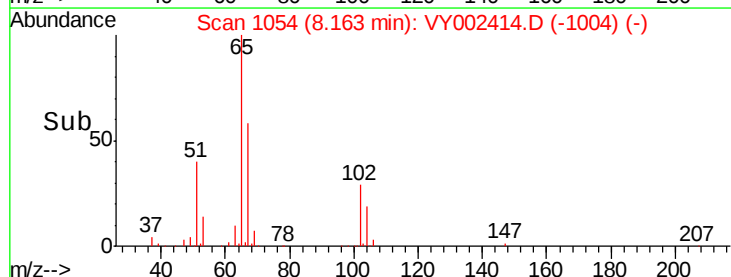
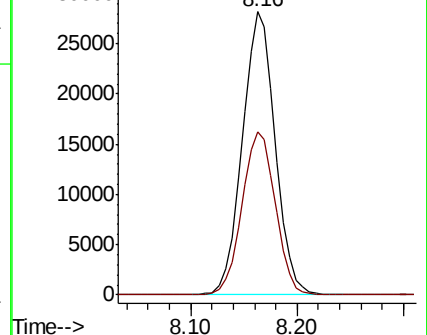
65 100

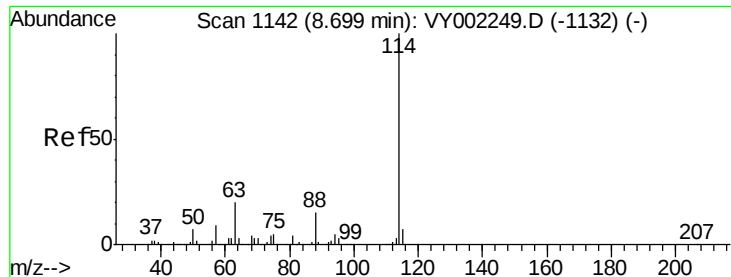
67 58.5 0.0 114.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

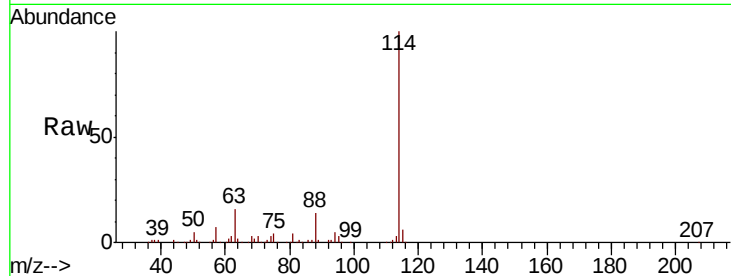




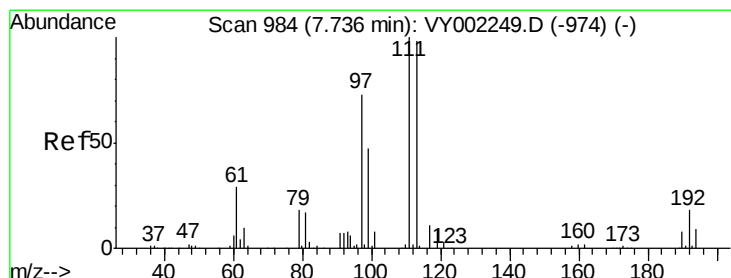
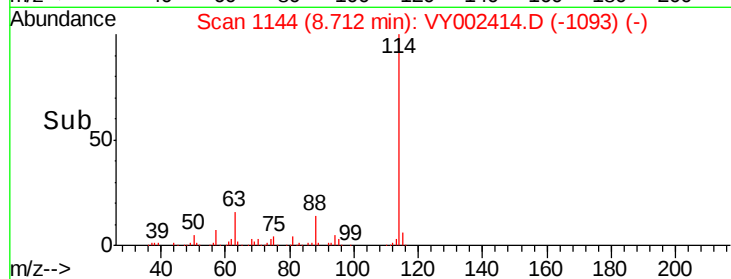
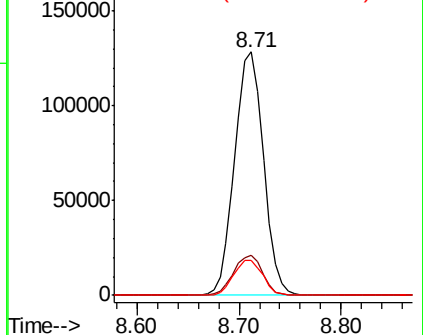
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002414.D
 Acq: 17 Apr 2020 20:47

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	16.5	0.0	39.0
88	14.4	0.0	31.0

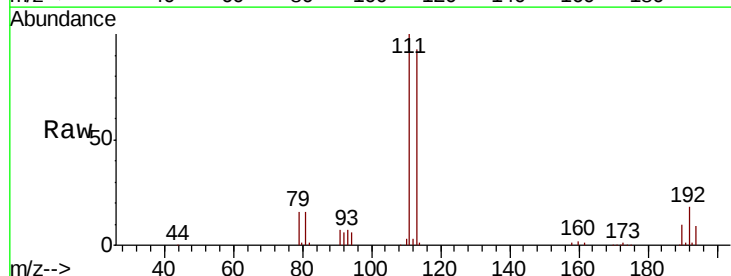


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

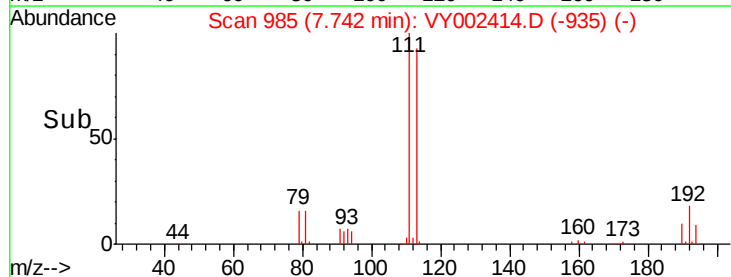
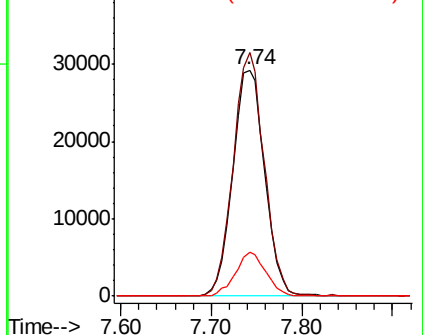


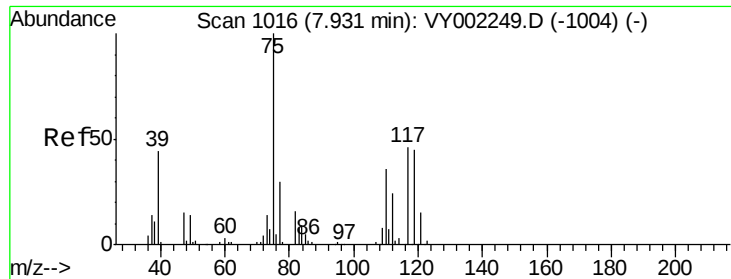
#35
 Dibromofluoromethane
 Concen: 47.545 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002414.D
 Acq: 17 Apr 2020 20:47

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.5	83.5	125.3
192	18.5	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

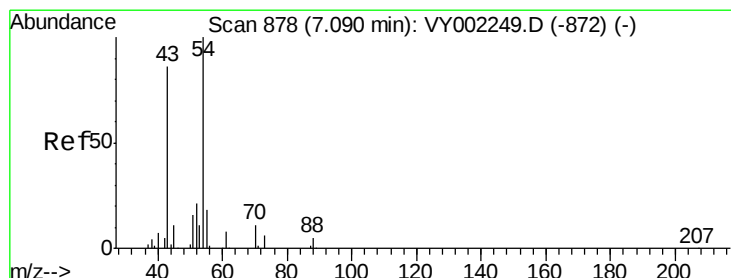
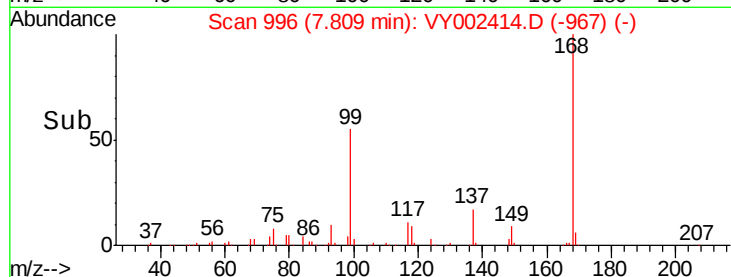
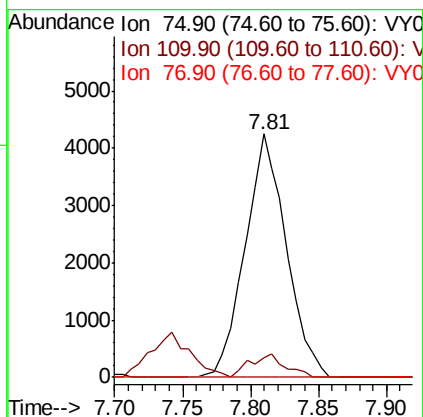
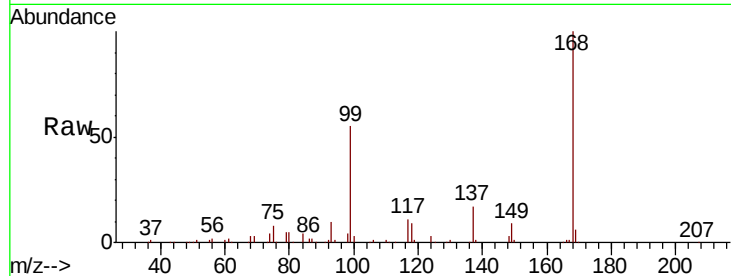




#36
 1,1-Dichloropropene
 Concen: 3.625 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY002414.D
 Acq: 17 Apr 2020 20:47

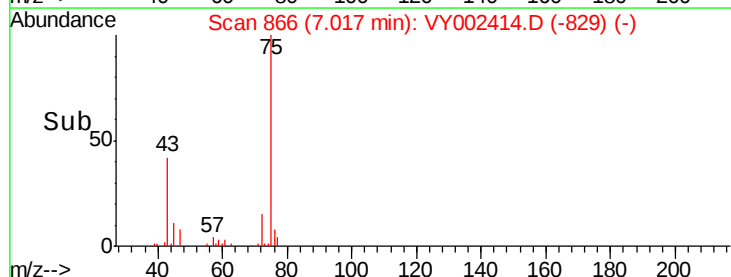
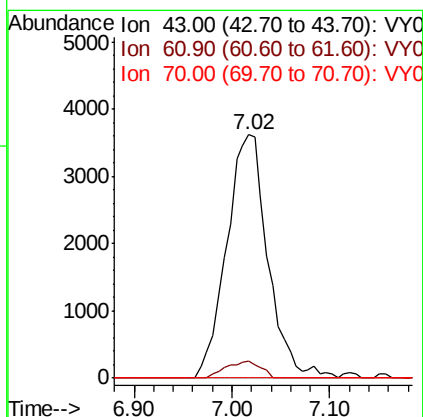
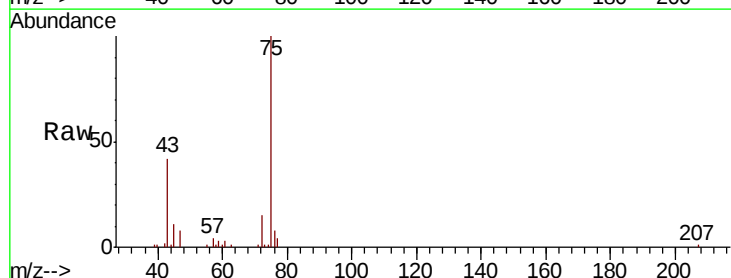
Instrument :
 MSVOA_Y
 ClientSampled :

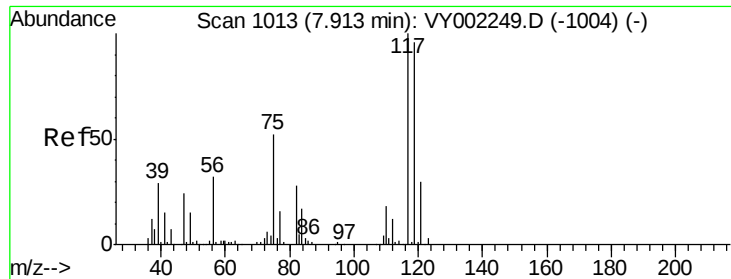
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.8	53.3#
77	0.0	24.4	36.6#



#37
 Ethyl Acetate
 Concen: 7.469 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. -0.07 min
 Lab File: VY002414.D
 Acq: 17 Apr 2020 20:47

Tgt Ion	Ratio	Lower	Upper
43	100		
61	5.8	11.8	17.6#
70	0.0	9.1	13.7#





#38

Carbon Tetrachloride

Concen: 5.820 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.10 min

Lab File: VY002414.D

Acq: 17 Apr 2020 20:47

Instrument :

MSVOA_Y

ClientSampleId :

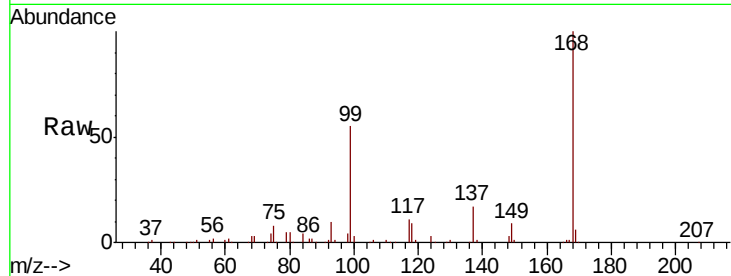
Tot Ion:117 Resp: 12347

Ion Ratio Lower Upper

117 100

119 5.4 77.1 115.7#

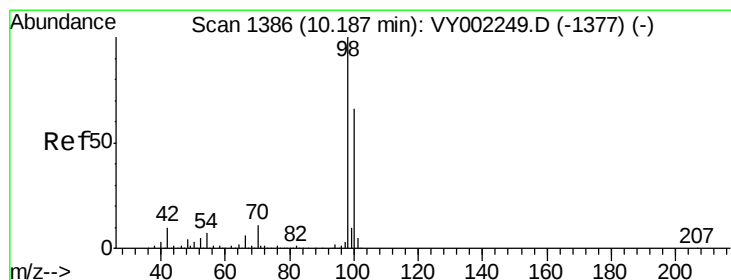
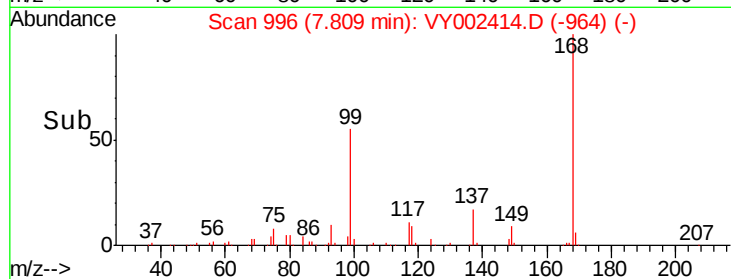
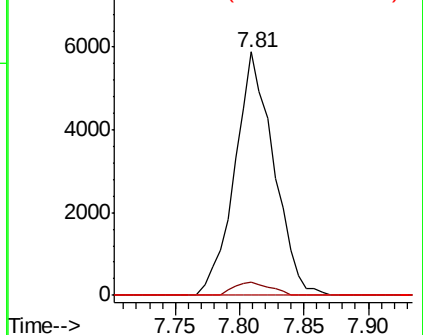
121 0.0 23.9 35.9#



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



#50

Toluene-d8

Concen: 47.880 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002414.D

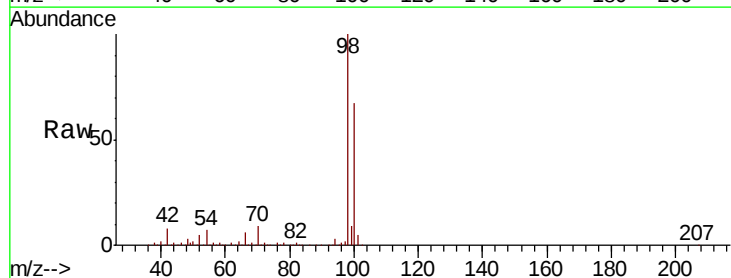
Acq: 17 Apr 2020 20:47

Tgt Ion: 98 Resp: 300252

Ion Ratio Lower Upper

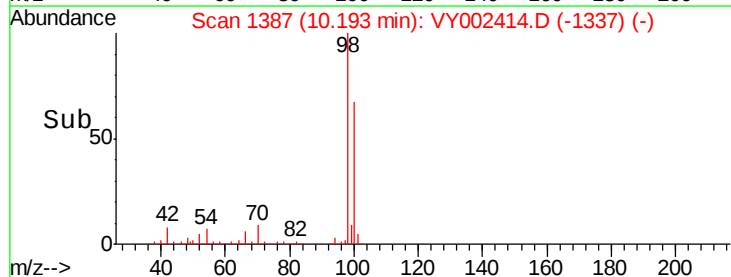
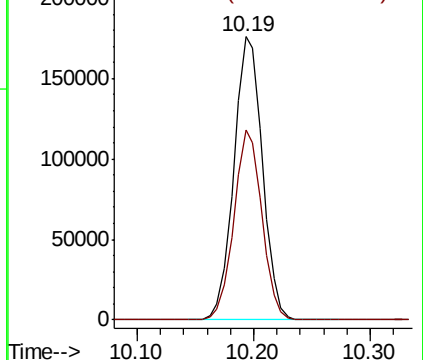
98 100

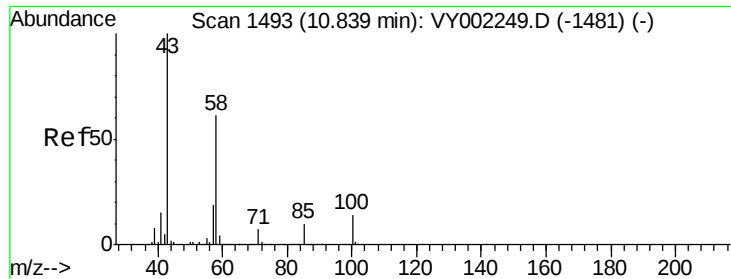
100 65.5 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

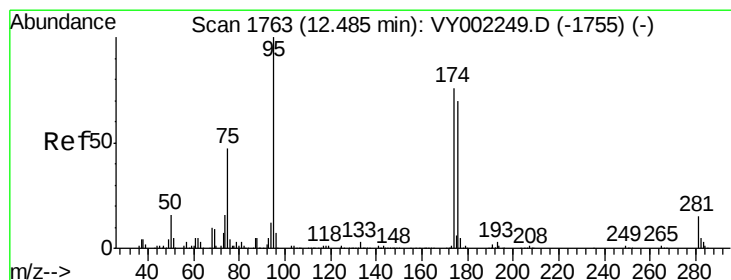
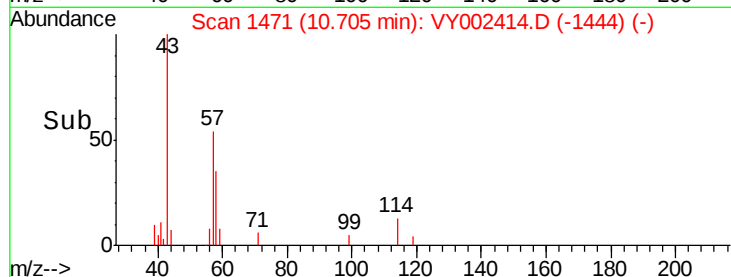
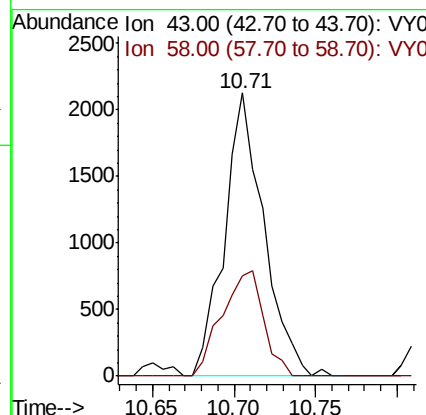
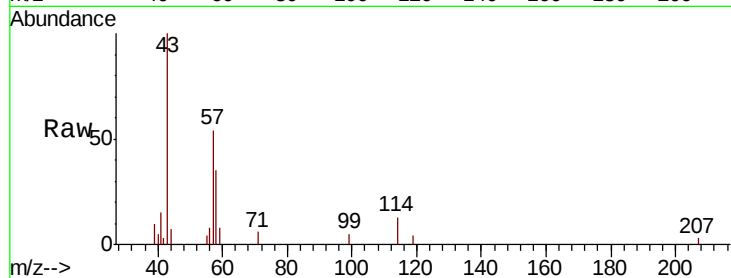




#59
2-Hexanone
Concen: 3.824 ug/l
RT: 10.71 min Scan# 1471
Delta R.T. -0.13 min
Lab File: VY002414.D
Acq: 17 Apr 2020 20:47

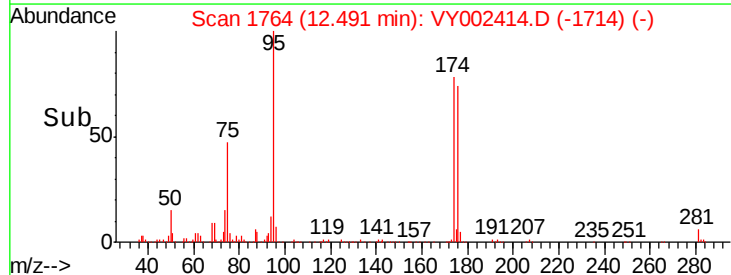
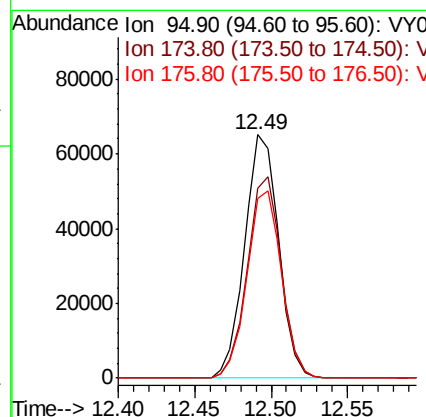
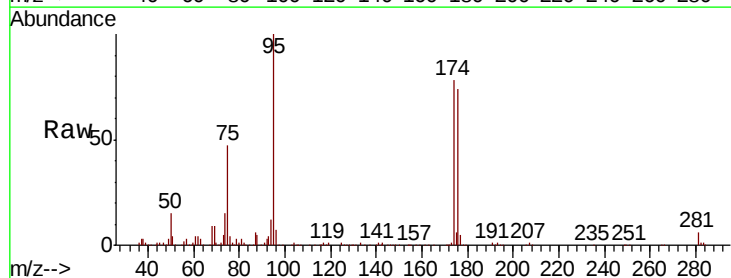
Instrument :
MSVOA_Y
ClientSampleId :

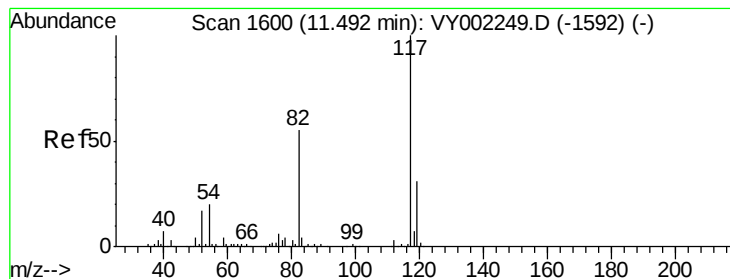
Tot Ion: 43 Resp: 3573
Ion Ratio Lower Upper
43 100
58 39.4 29.8 89.3



#62
4-Bromofluorobenzene
Concen: 48.401 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY002414.D
Acq: 17 Apr 2020 20:47

Tgt Ion: 95 Resp: 100134
Ion Ratio Lower Upper
95 100
174 83.1 0.0 150.6
176 78.5 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VY002414.D

Acq: 17 Apr 2020 20:47

Instrument :

MSVOA_Y

ClientSampleId :

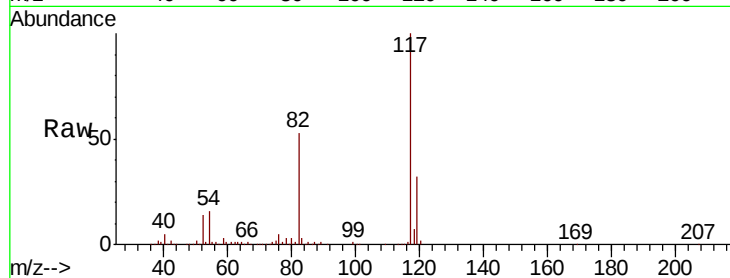
Tot Ion:117 Resp: 241580

Ion Ratio Lower Upper

117 100

82 53.2 44.2 66.4

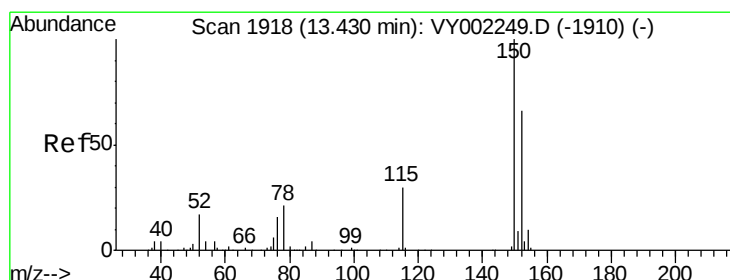
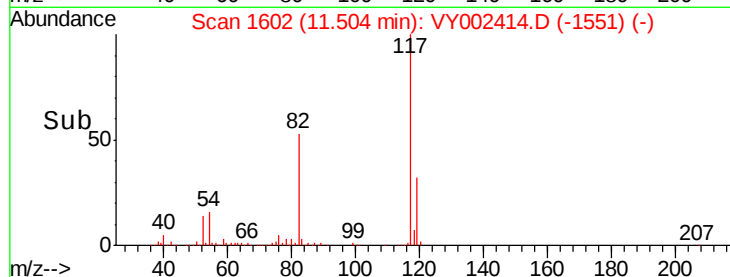
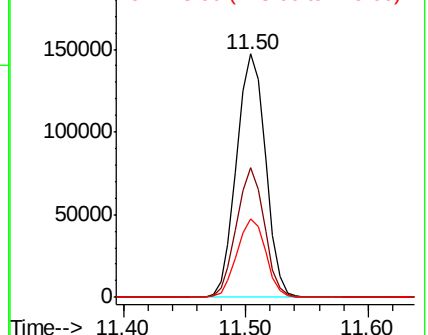
119 32.2 25.1 37.7



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002414.D

Acq: 17 Apr 2020 20:47

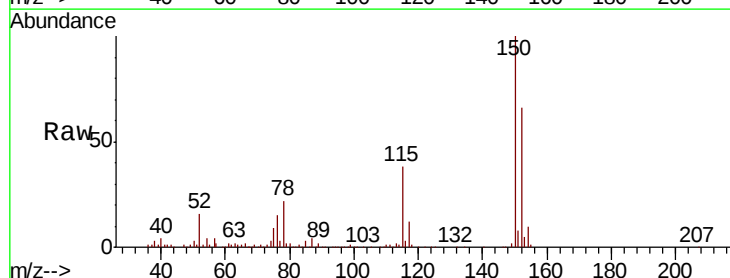
Tgt Ion:152 Resp: 110552

Ion Ratio Lower Upper

152 100

115 56.9 30.7 92.1

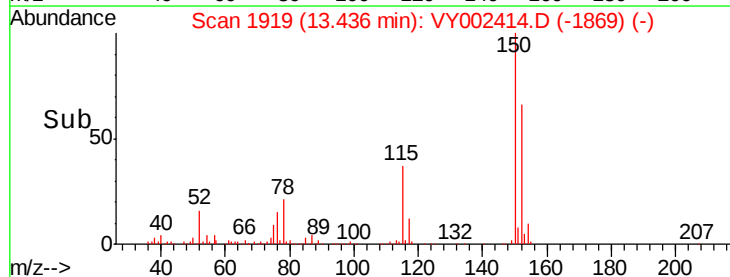
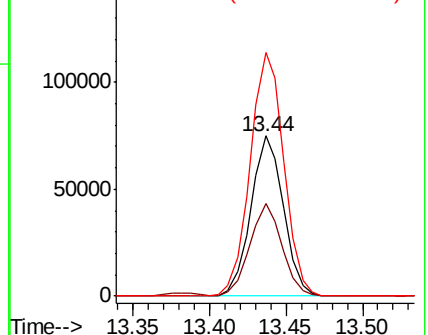
150 157.0 0.0 350.6

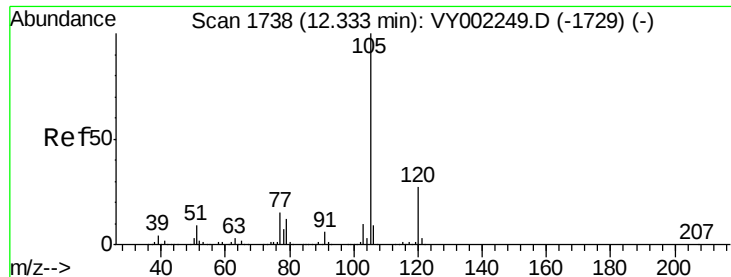


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.120 ug/l

RT: 12.35 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY002414.D

Acq: 17 Apr 2020 20:47

Instrument :

MSVOA_Y

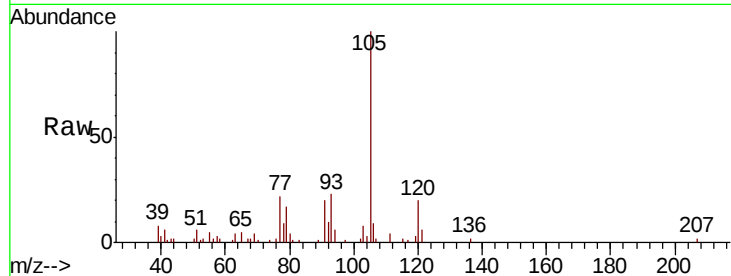
ClientSampleId :

Tot Ion:105 Resp: 9723

Ion Ratio Lower Upper

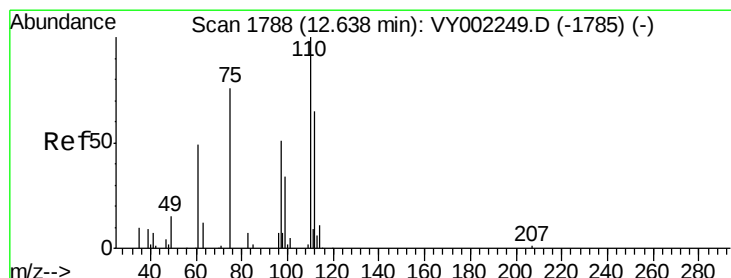
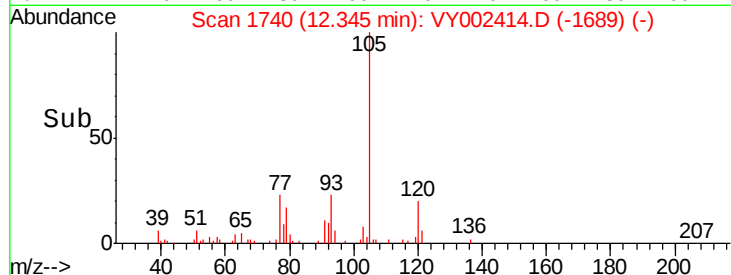
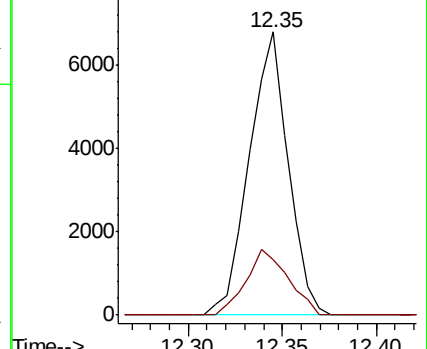
105 100

120 25.2 13.3 39.8



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: 36.751 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002414.D

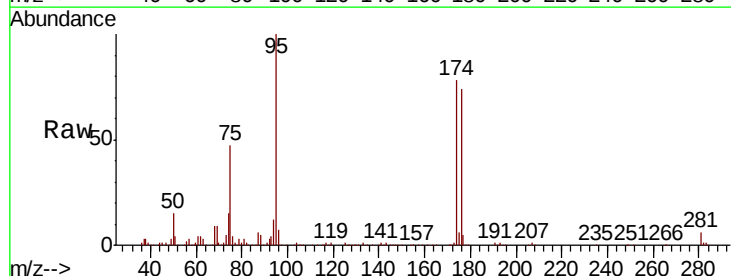
Acq: 17 Apr 2020 20:47

Tgt Ion: 75 Resp: 47179

Ion Ratio Lower Upper

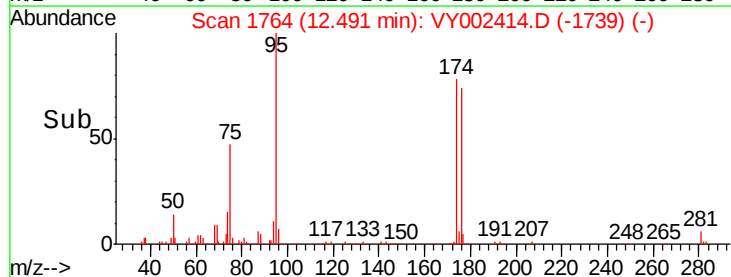
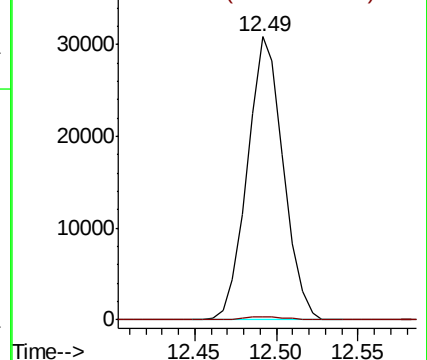
75 100

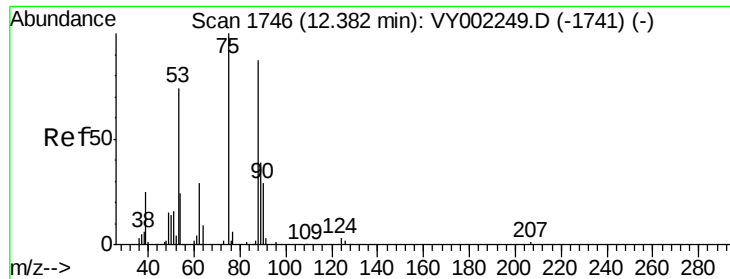
77 1.3 0.0 0.0#



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: 71.480 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.11 min

Lab File: VY002414.D

Acq: 17 Apr 2020 20:47

Instrument :

MSVOA_Y

ClientSampleId :

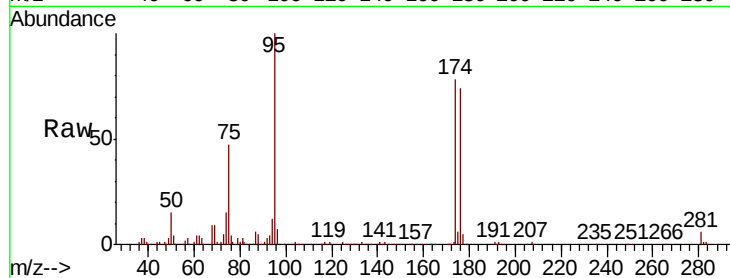
Tot Ion: 75 Resp: 47179

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

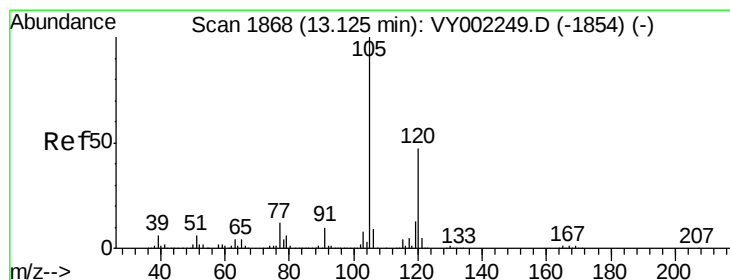
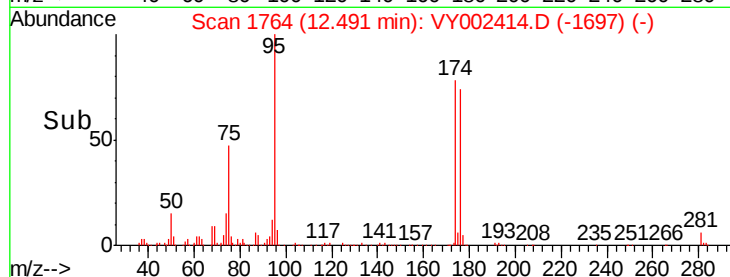
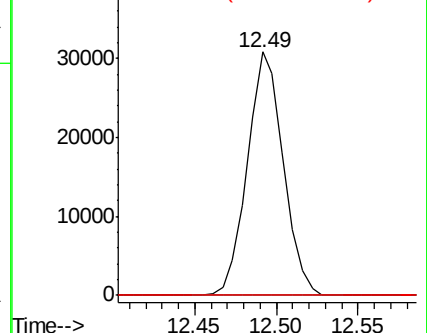
89 0.1 37.0 55.6#



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: 2.206 ug/l

RT: 13.13 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VY002414.D

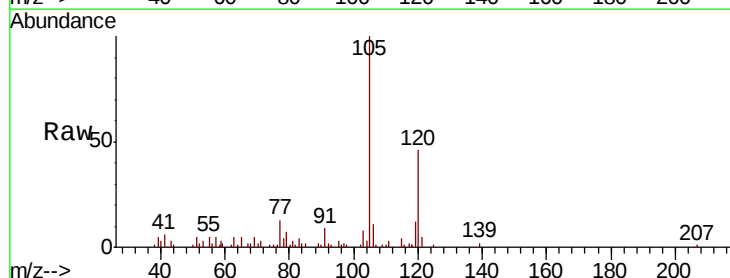
Acq: 17 Apr 2020 20:47

Tgt Ion:105 Resp: 15824

Ion Ratio Lower Upper

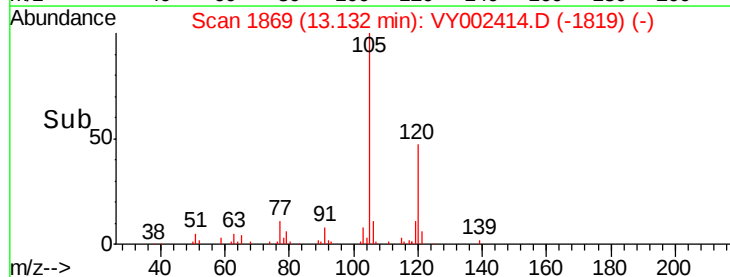
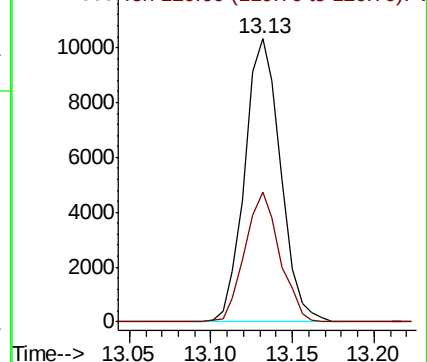
105 100

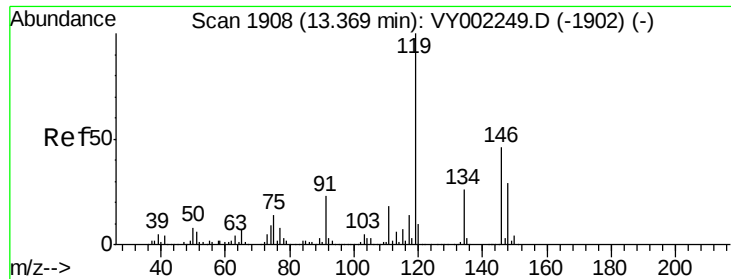
120 44.8 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

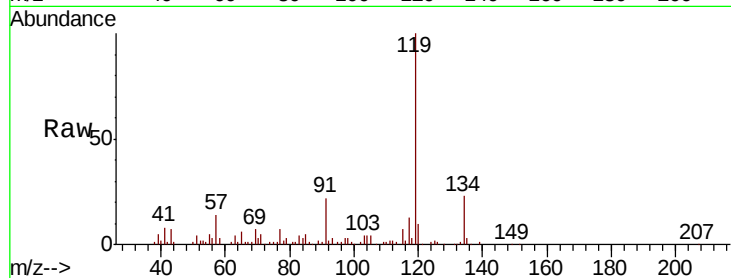




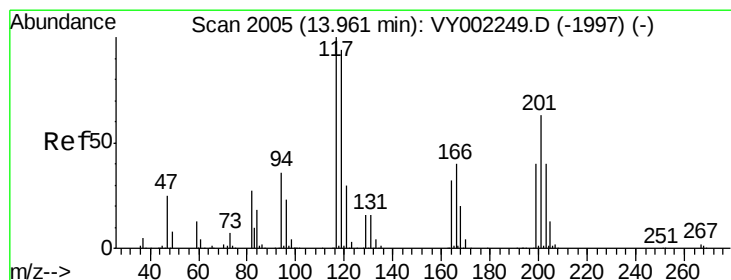
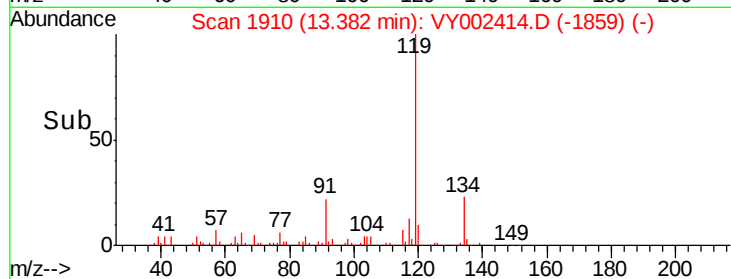
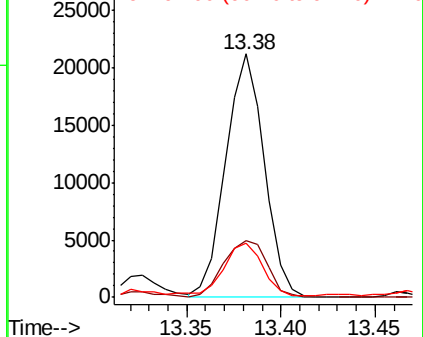
#86
p-Isopropyltoluene
Concen: 3.890 ug/l
RT: 13.38 min Scan# 1910
Delta R.T. 0.01 min
Lab File: VY002414.D
Acq: 17 Apr 2020 20:47

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:119 Resp: 30007
Ion Ratio Lower Upper
119 100
134 26.3 13.3 39.9
91 22.2 11.5 34.4

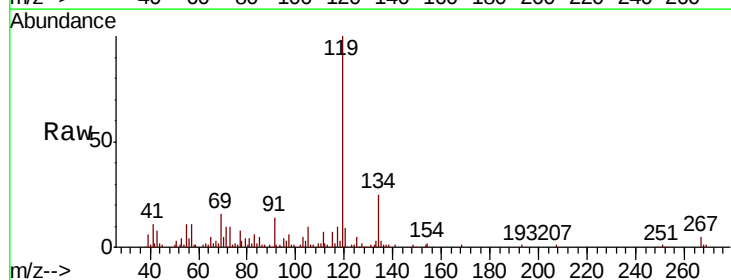


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

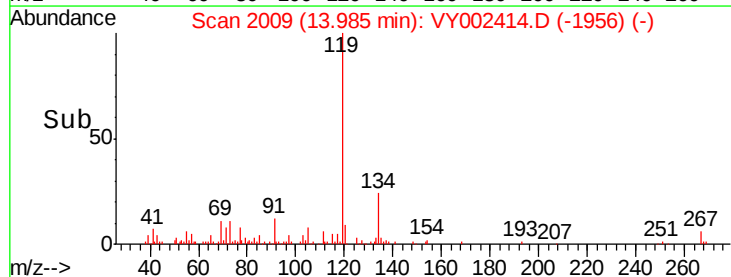
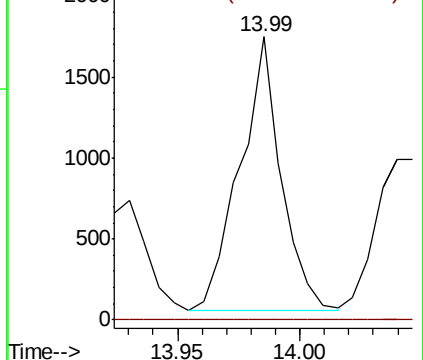


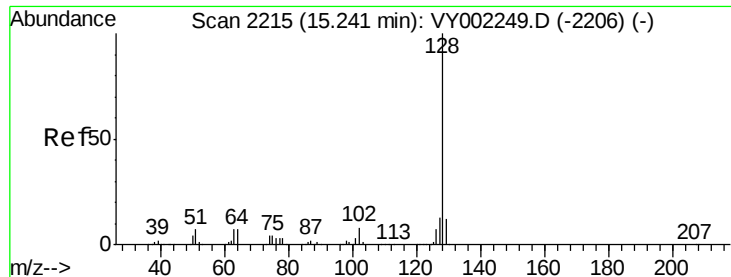
#90
Hexachloroethane
Concen: 1.351 ug/l
RT: 13.99 min Scan# 2009
Delta R.T. 0.02 min
Lab File: VY002414.D
Acq: 17 Apr 2020 20:47

Tgt Ion:117 Resp: 1986
Ion Ratio Lower Upper
117 100
201 0.0 33.1 99.2#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#95
 Naphthalene
 Concen: 21.541 ug/l
 RT: 15.25 min Scan# 2216
 Delta R.T. 0.01 min
 Lab File: VY002414.D
 Acq: 17 Apr 2020 20:47

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.3	8.7	13.1

