

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002394.D
 Acq On : 17 Apr 2020 13:22
 Operator : SY/MD
 Sample : L2284-17
 Misc : 5.39G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 18 04:36:01 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

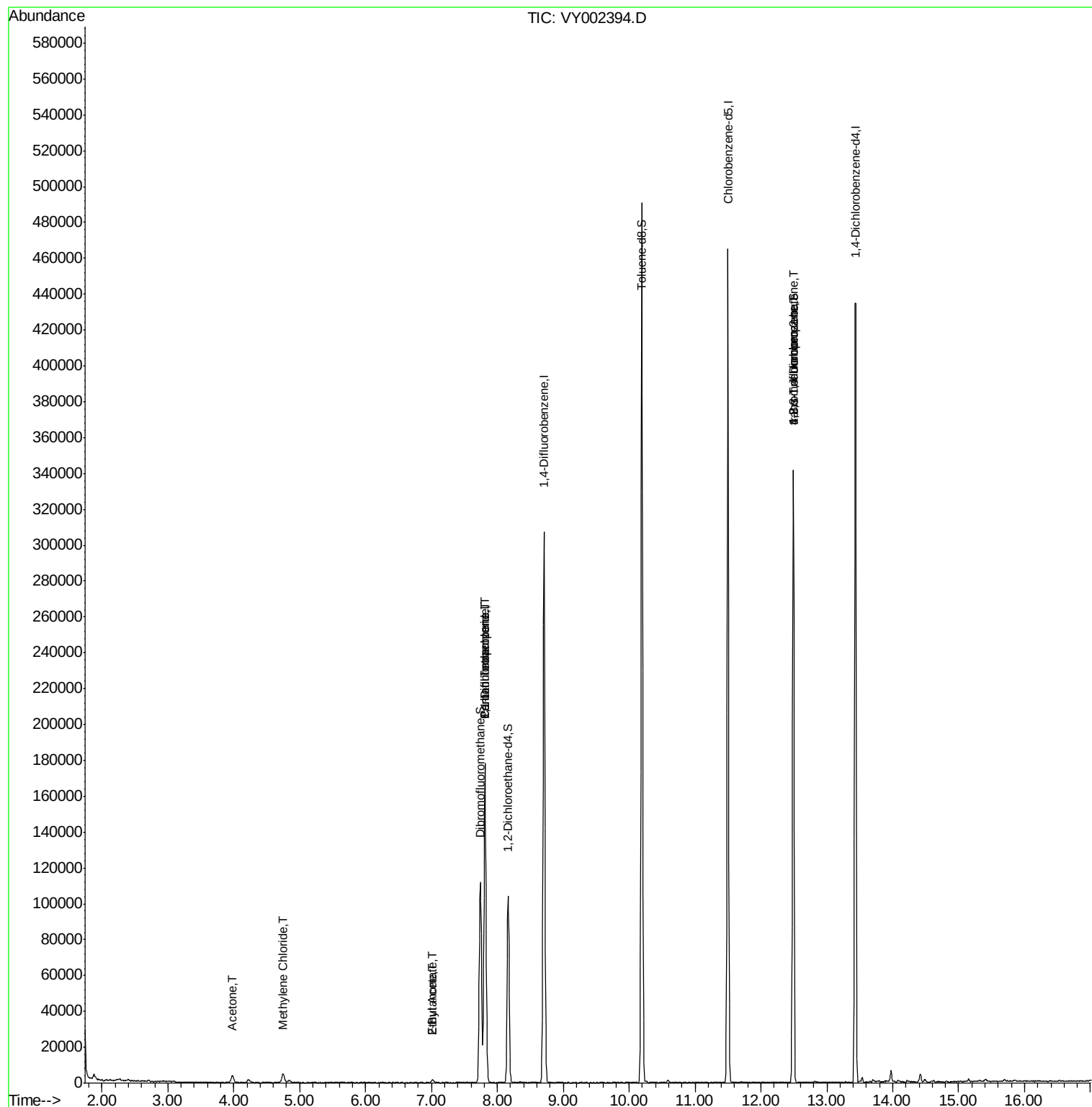
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	141342	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	283340	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	265105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	117416	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	72122	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	
35) Dibromofluoromethane	7.74	113	82030	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
50) Toluene-d8	10.19	98	340694	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
62) 4-Bromofluorobenzene	12.49	95	113411	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.05	59	32	Below Cal	#	77
16) Acetone	3.97	43	7335	17.718	ug/l	93
20) Methylene Chloride	4.74	84	4093	2.011	ug/l #	68
25) 2-Butanone	7.02	43	2201	3.359	ug/l	91
36) 1,1-Dichloropropene	7.81	75	10489	3.758	ug/l #	50
37) Ethyl Acetate	7.02	43	2201	1.380	ug/l #	67
38) Carbon Tetrachloride	7.81	117	13958	5.847	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	53516	39.250	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	53516	76.341	ug/l #	19

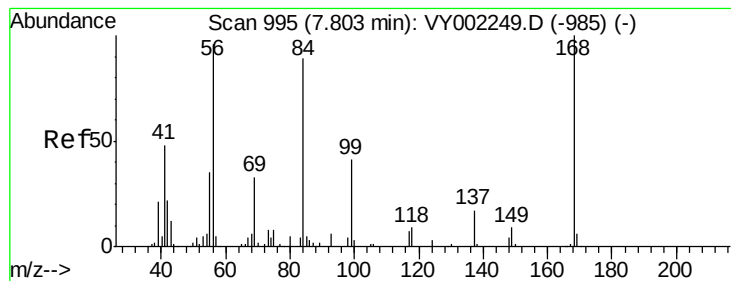
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002394.D

Acq: 17 Apr 2020 13:22

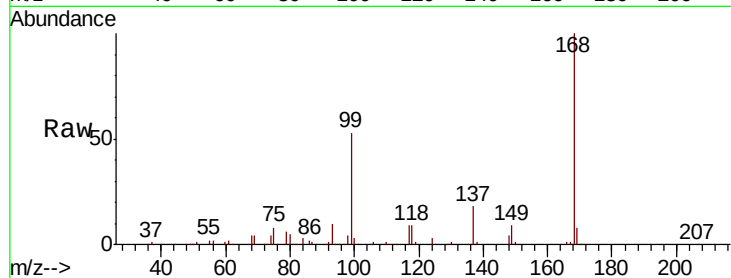
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 141342

Ion Ratio Lower Upper

168 100

99 53.3 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002394.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002394.D (-985) (-)

7.82

60000

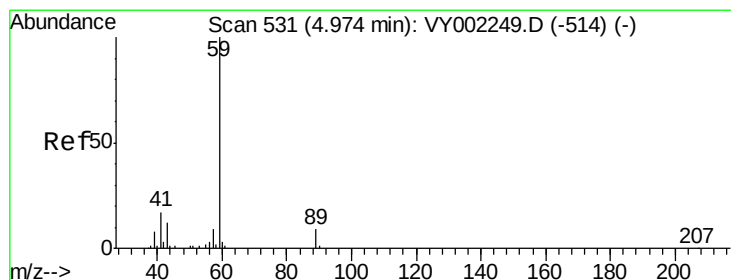
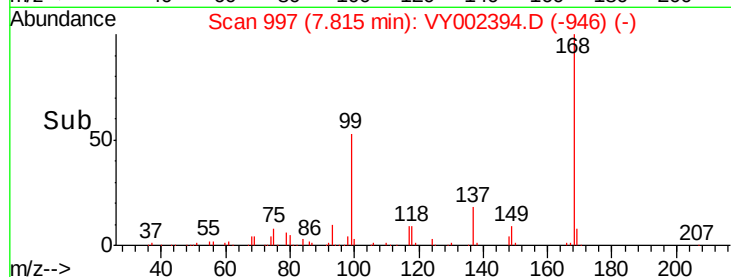
40000

20000

0

Time-->

7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.05 min Scan# 543

Delta R.T. 0.07 min

Lab File: VY002394.D

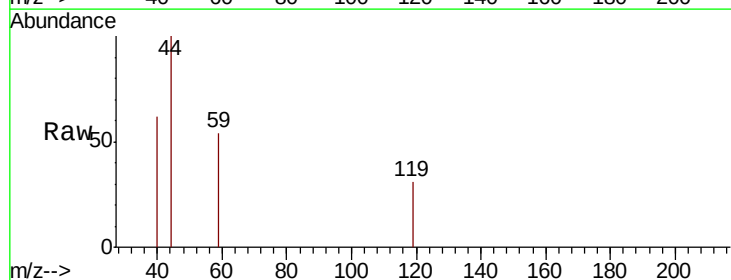
Acq: 17 Apr 2020 13:22

Tgt Ion: 59 Resp: 32

Ion Ratio Lower Upper

59 100

57 0.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002394.D (-482) (-)

Ion 57.00 (56.70 to 57.70): VY002394.D (-482) (-)

5.05

100

80

60

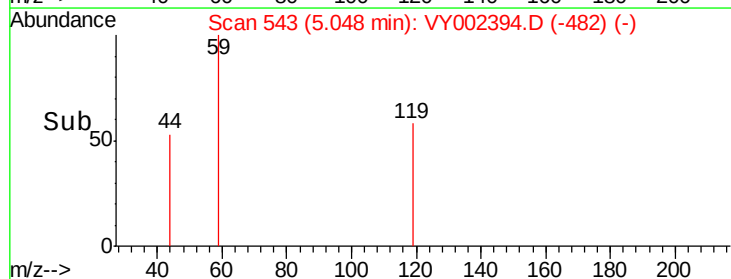
40

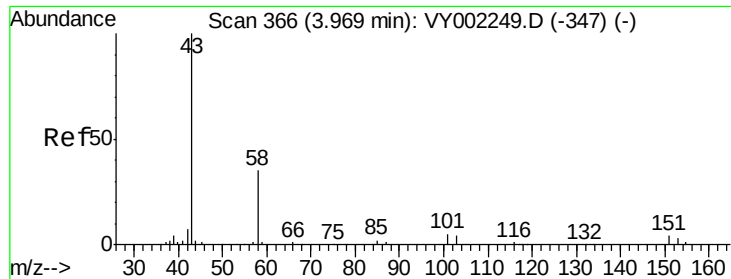
20

0

Time-->

5.03 5.04 5.05 5.06





#16

Acetone

Concen: 17.718 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002394.D

Acq: 17 Apr 2020 13:22

Instrument :

MSVOA_Y

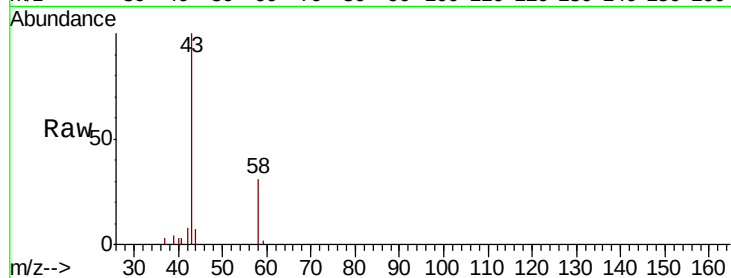
ClientSampleId :

Tot Ion: 43 Resp: 7335

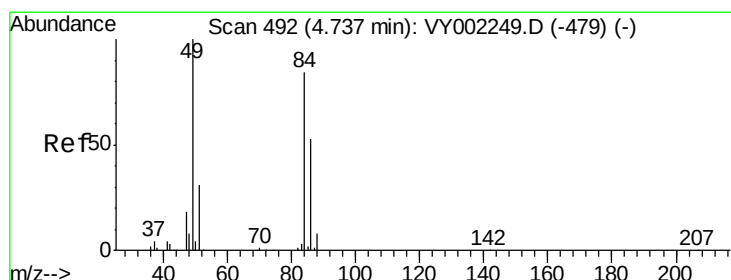
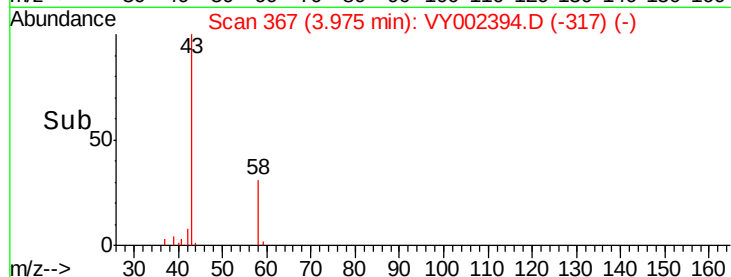
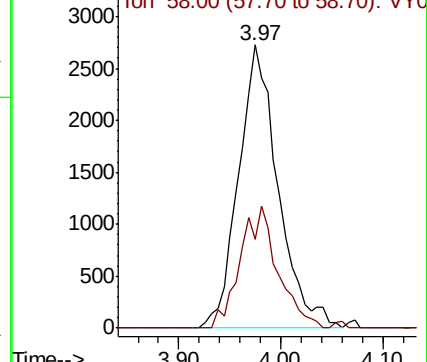
Ion Ratio Lower Upper

43 100

58 31.3 28.5 42.7



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



#20

Methylene Chloride

Concen: 2.011 ug/l

RT: 4.74 min Scan# 493

Delta R.T. 0.01 min

Lab File: VY002394.D

Acq: 17 Apr 2020 13:22

Tgt Ion: 84 Resp: 4093

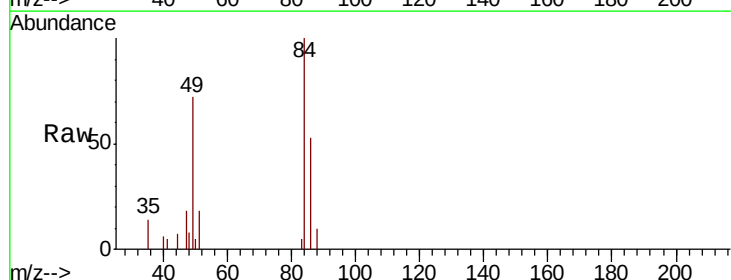
Ion Ratio Lower Upper

84 100

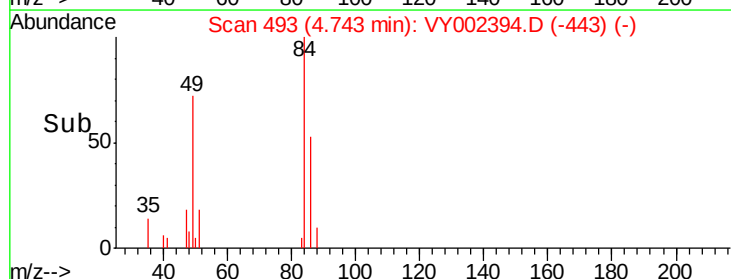
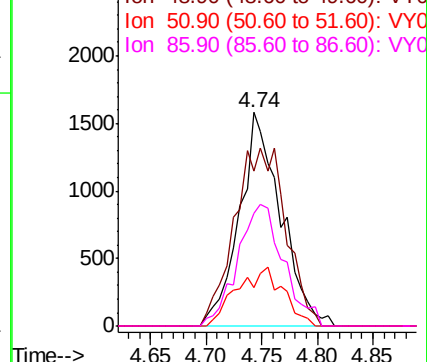
49 72.4 95.5 143.3#

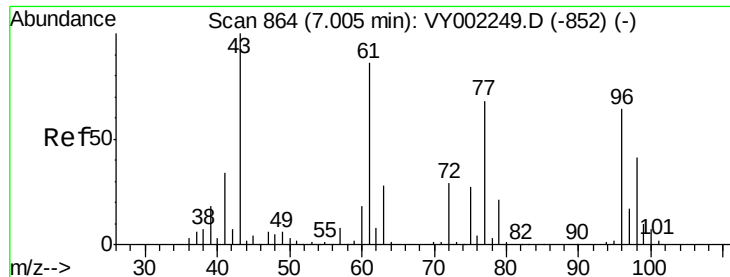
51 17.8 29.5 44.3#

86 52.6 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VY002249.D (-479) (-)





#25

2-Butanone

Concen: 3.359 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.02 min

Lab File: VY002394.D

Acq: 17 Apr 2020 13:22

Instrument :

MSVOA_Y

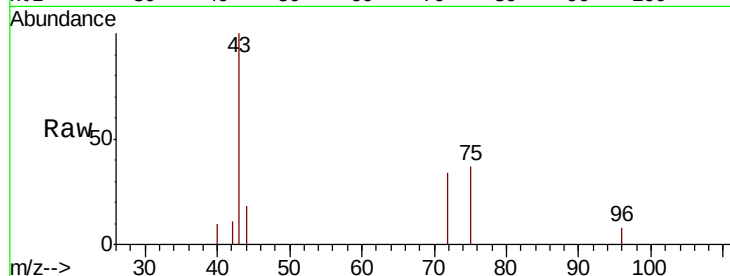
ClientSampled :

Tot Ion: 43 Resp: 2201

Ion Ratio Lower Upper

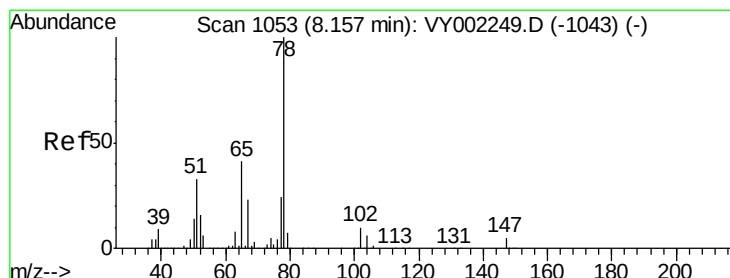
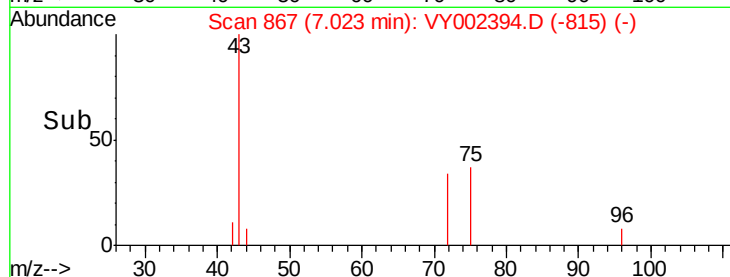
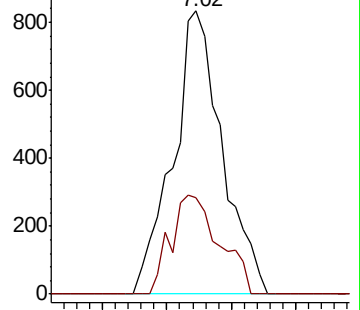
43 100

72 34.0 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: 45.884 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VY002394.D

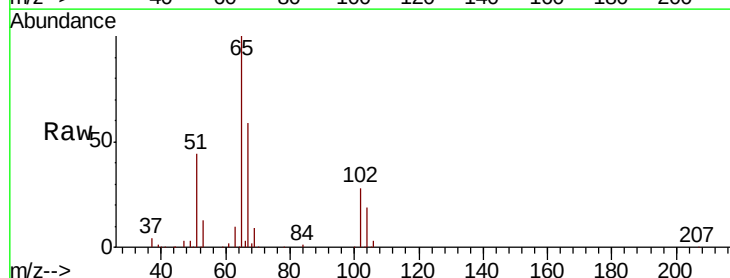
Acq: 17 Apr 2020 13:22

Tgt Ion: 65 Resp: 72122

Ion Ratio Lower Upper

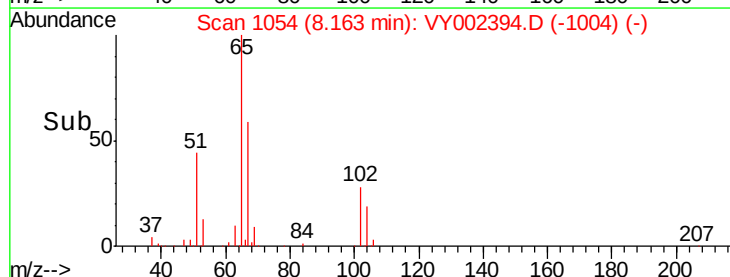
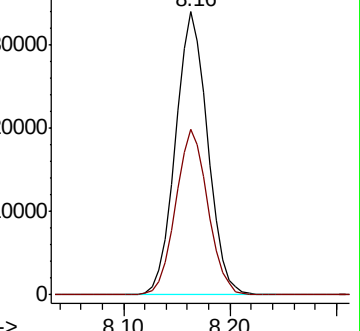
65 100

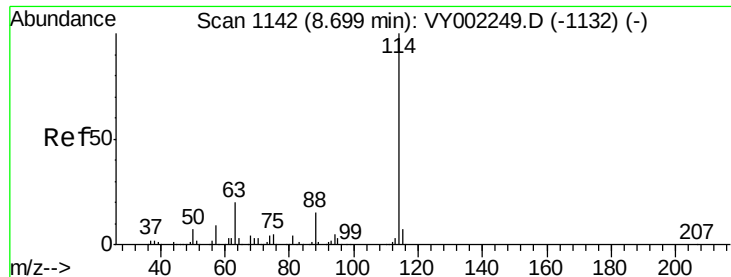
67 58.6 0.0 114.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

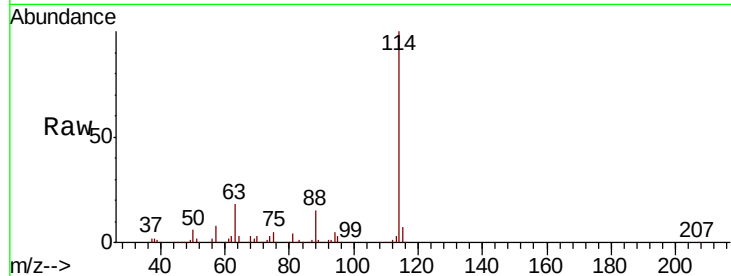




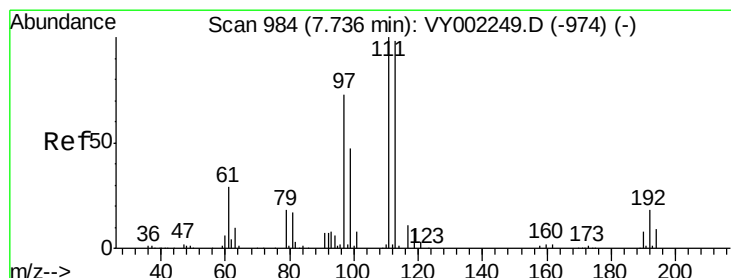
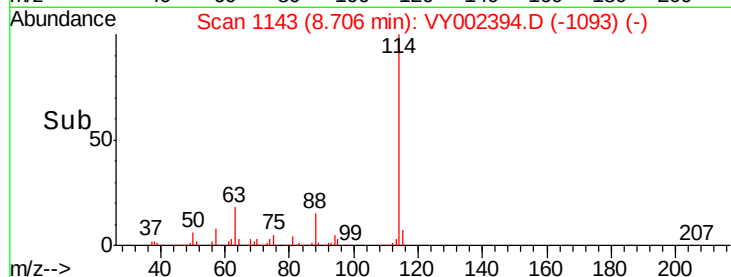
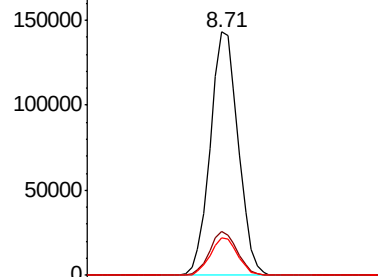
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002394.D
 Acq: 17 Apr 2020 13:22

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	39.0
88	15.3	0.0	31.0

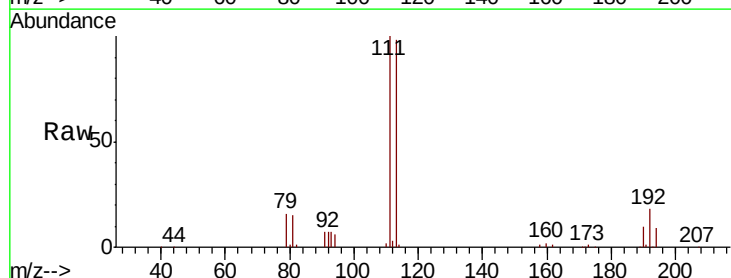


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

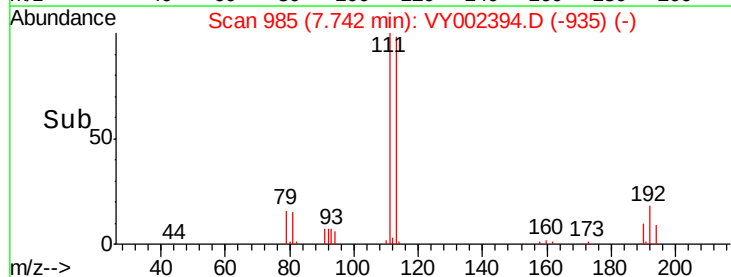
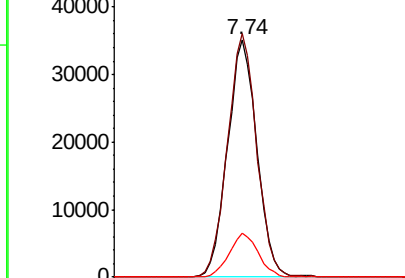


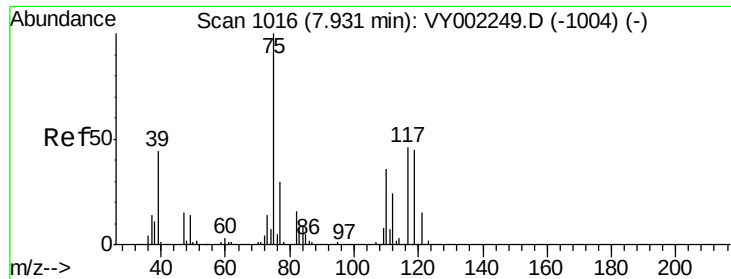
#35
 Dibromofluoromethane
 Concen: 48.655 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002394.D
 Acq: 17 Apr 2020 13:22

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.5	125.3
192	18.3	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

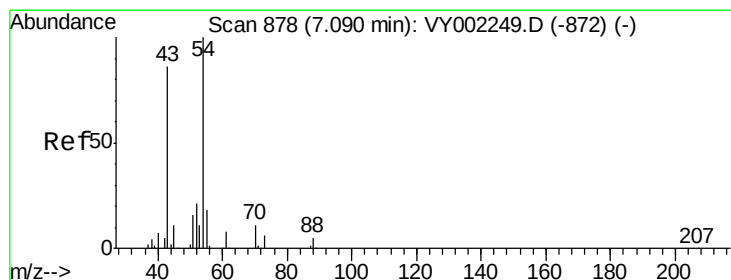
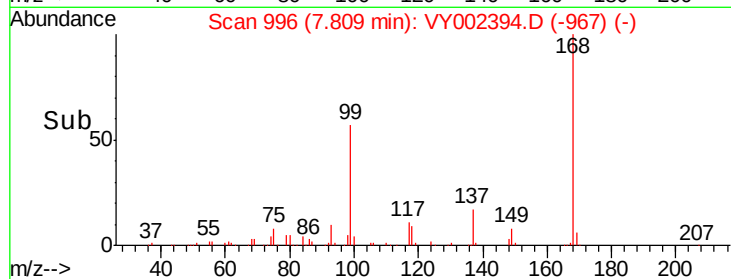
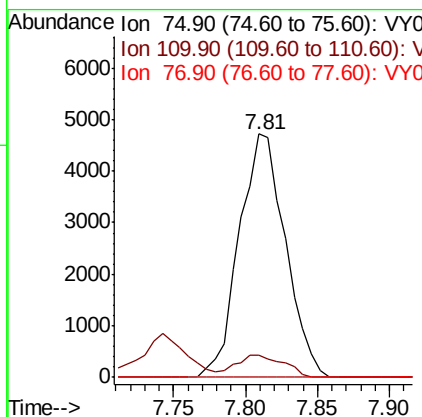
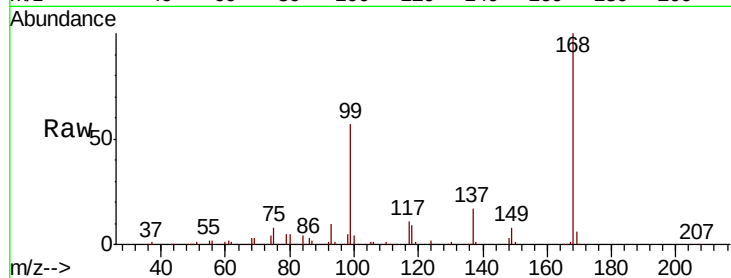




#36
 1,1-Dichloropropene
 Concen: 3.758 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY002394.D
 Acq: 17 Apr 2020 13:22

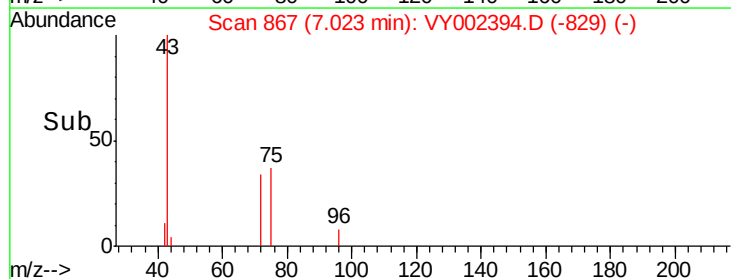
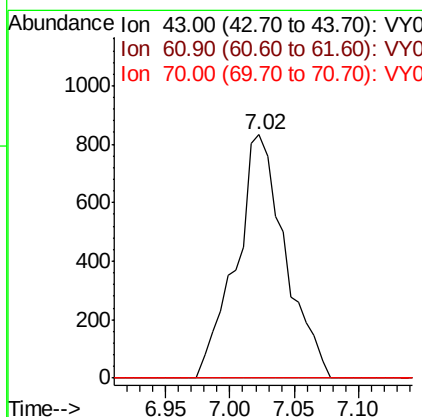
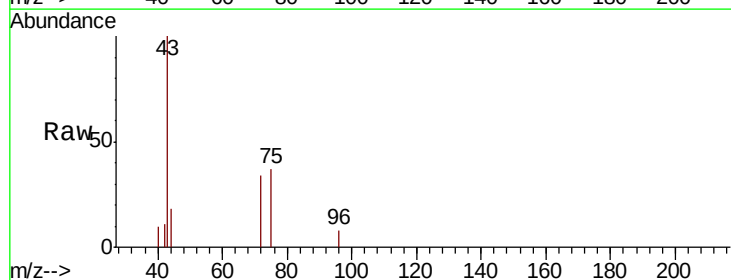
Instrument :
 MSVOA_Y
 ClientSampled :

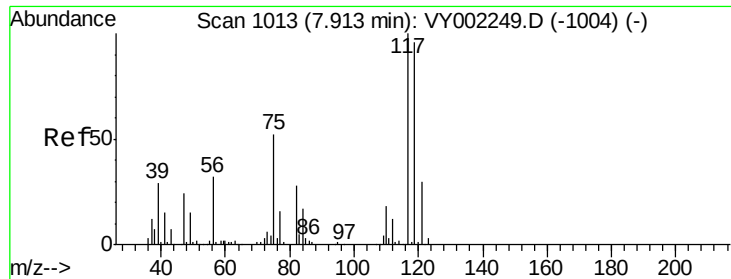
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.8	53.3#
77	0.0	24.4	36.6#



#37
 Ethyl Acetate
 Concen: 1.380 ug/l
 RT: 7.02 min Scan# 867
 Delta R.T. -0.07 min
 Lab File: VY002394.D
 Acq: 17 Apr 2020 13:22

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

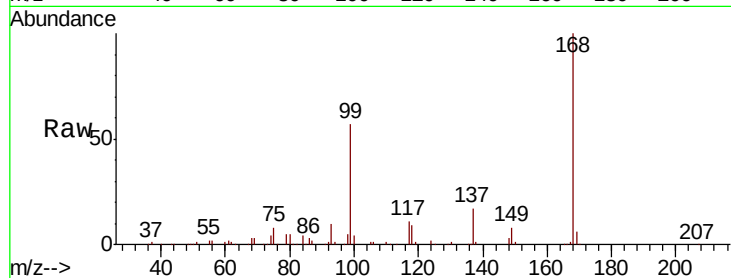




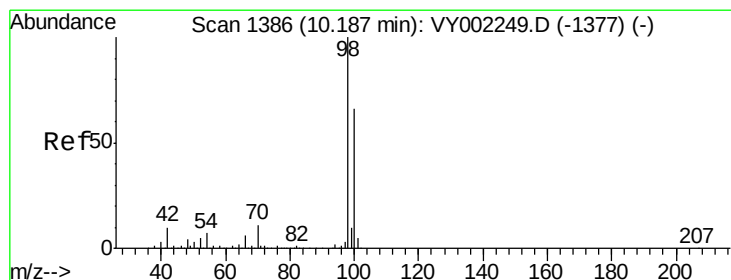
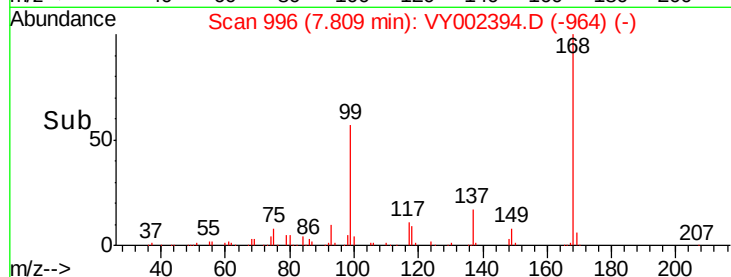
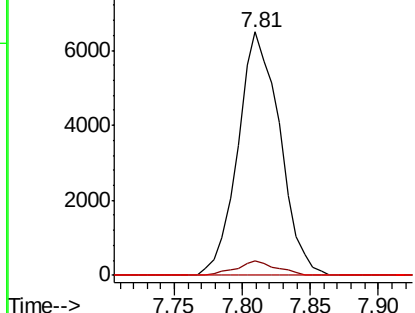
#38
Carbon Tetrachloride
Concen: 5.847 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.10 min
Lab File: VY002394.D
Acq: 17 Apr 2020 13:22

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 13958
Ion Ratio Lower Upper
117 100
119 6.1 77.1 115.7#
121 0.0 23.9 35.9#

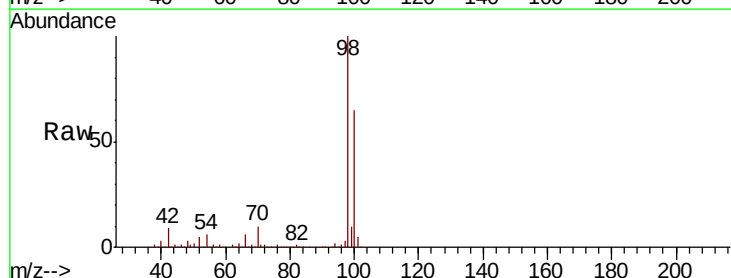


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

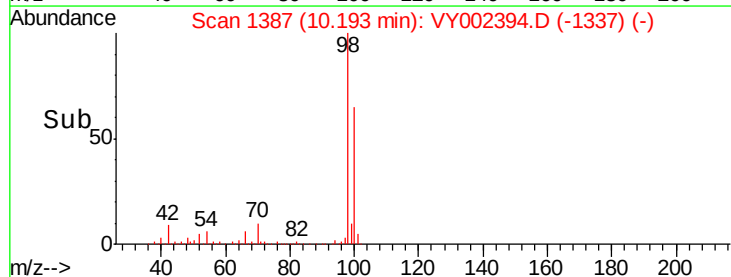
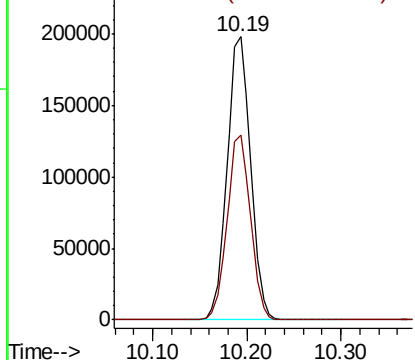


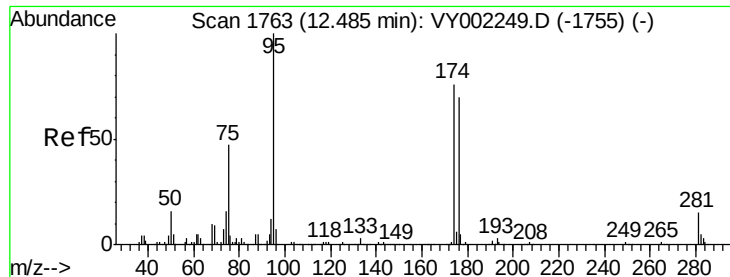
#50
Toluene-d8
Concen: 48.279 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY002394.D
Acq: 17 Apr 2020 13:22

Tgt Ion: 98 Resp: 340694
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



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

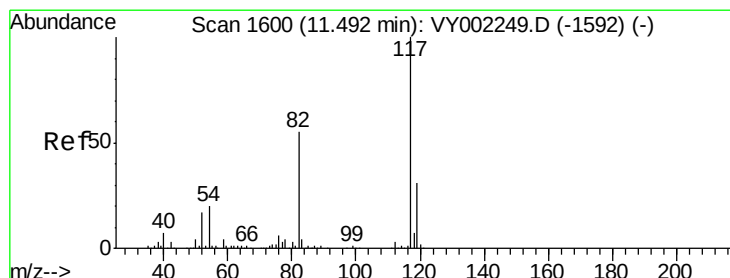
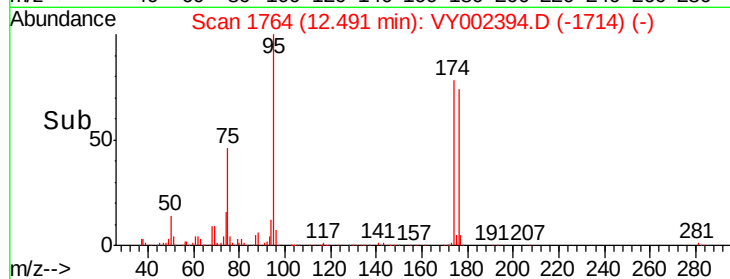
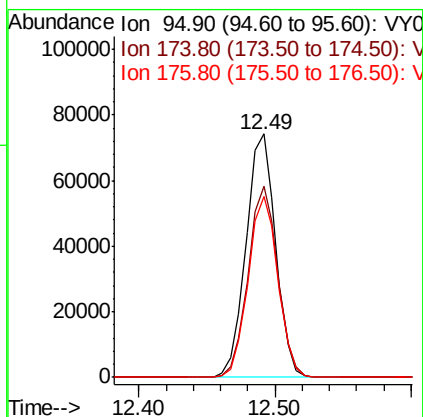
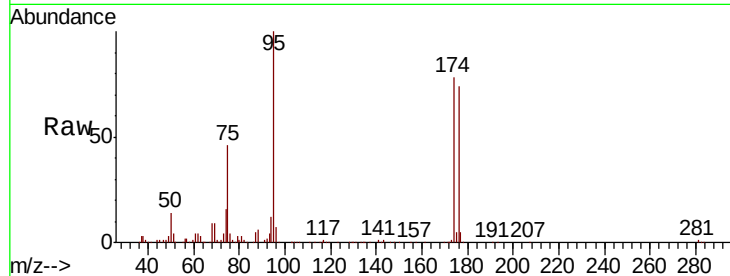




#62
4-Bromofluorobenzene
Concen: 48.713 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY002394.D
Acq: 17 Apr 2020 13:22

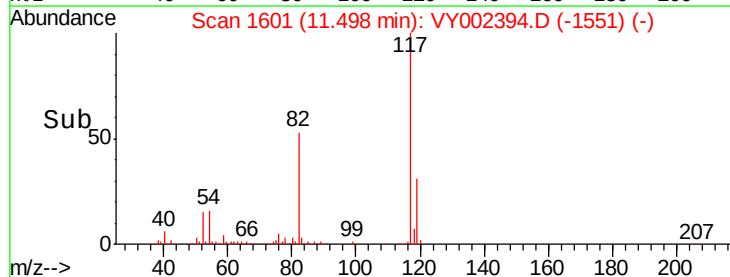
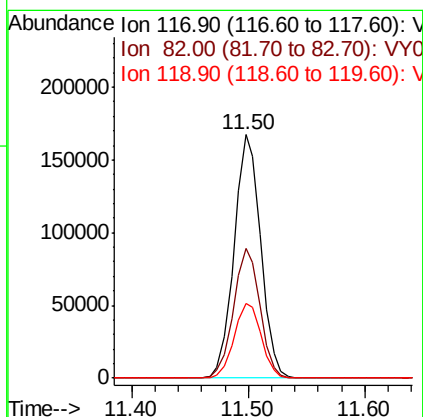
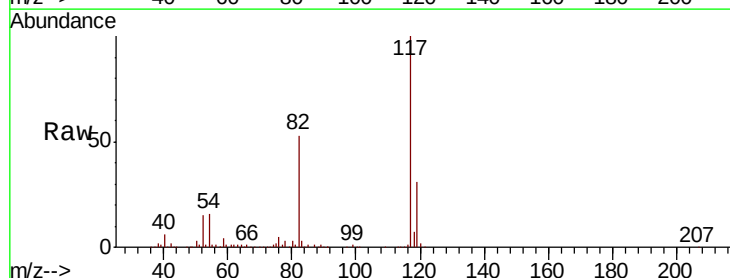
Instrument :
MSVOA_Y
ClientSampleId :

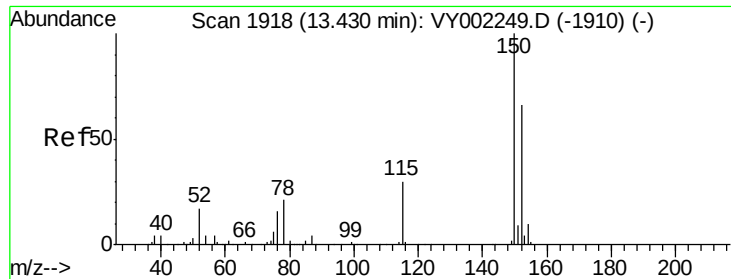
Tot Ion: 95 Resp: 113411
Ion Ratio Lower Upper
95 100
174 78.5 0.0 150.6
176 74.7 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002394.D
Acq: 17 Apr 2020 13:22

Tgt Ion: 117 Resp: 265105
Ion Ratio Lower Upper
117 100
82 53.2 44.2 66.4
119 30.8 25.1 37.7



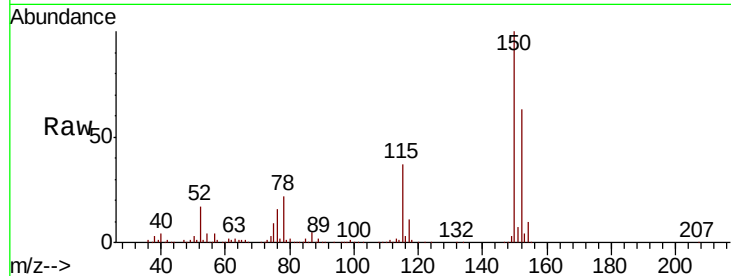


#72

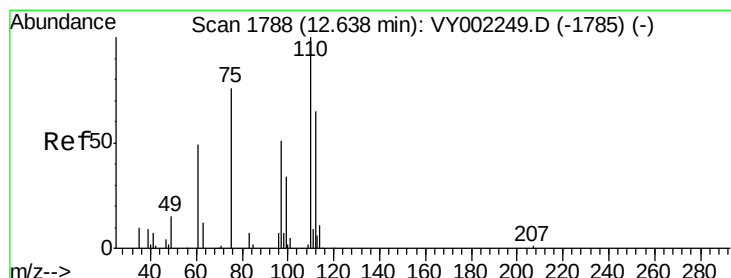
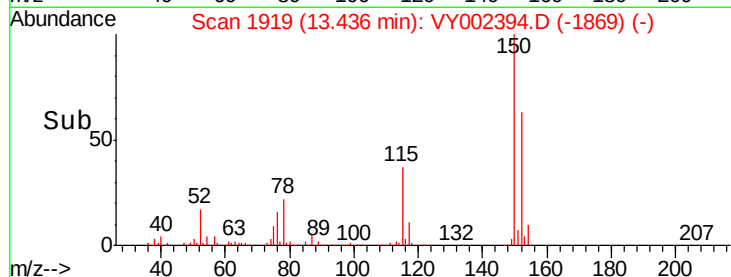
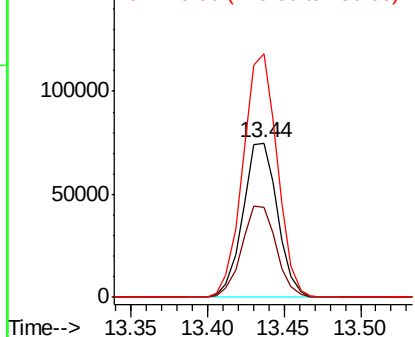
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002394.D
Acq: 17 Apr 2020 13:22

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 117416
Ion Ratio Lower Upper
152 100
115 59.0 30.7 92.1
150 156.7 0.0 350.6



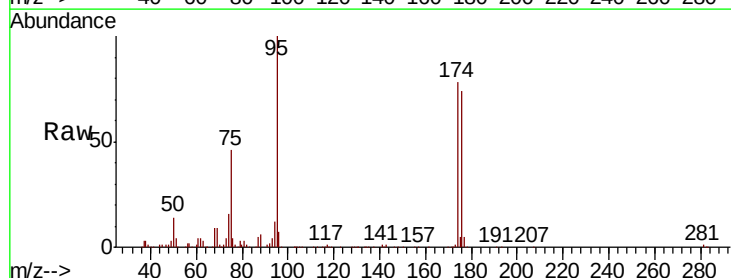
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



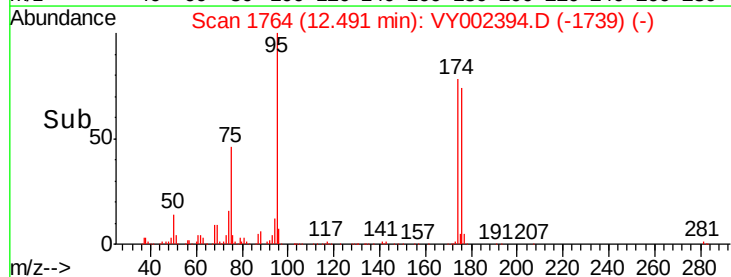
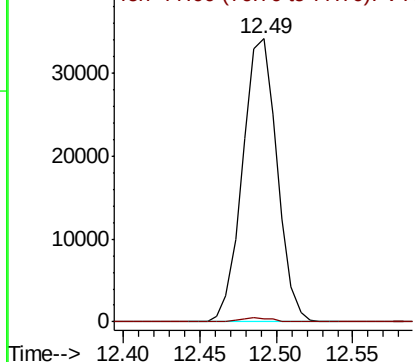
#76

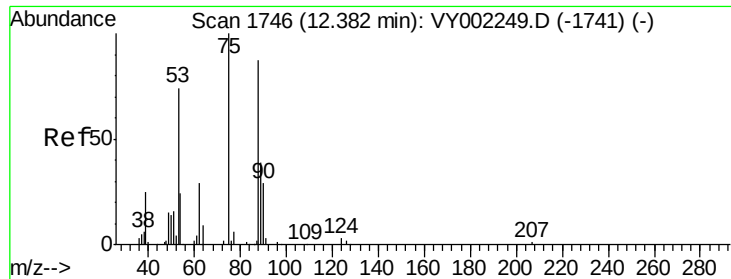
1,2,3-Trichloropropane
Concen: 39.250 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.15 min
Lab File: VY002394.D
Acq: 17 Apr 2020 13:22

Tgt Ion: 75 Resp: 53516
Ion Ratio Lower Upper
75 100
77 1.6 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: 76.341 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.11 min

Lab File: VY002394.D

Acq: 17 Apr 2020 13:22

Instrument :

MSVOA_Y

ClientSampleId :

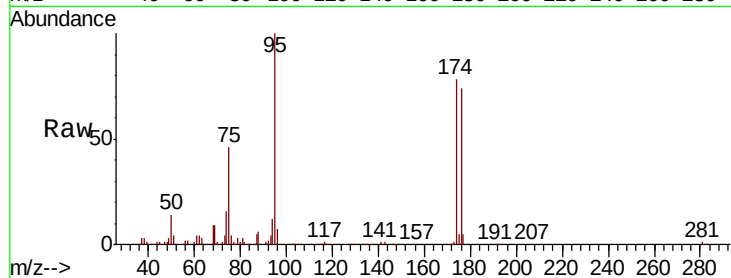
Tot Ion: 75 Resp: 53516

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

89 0.0 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

