

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042120\
 Data File : VY002431.D
 Acq On : 21 Apr 2020 14:34
 Operator : SY/MD
 Sample : L2284-01RE
 Misc : 7.80G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 21 16:07:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 15:14:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	246082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	395098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	339079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	149886	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	103777	57.98	ug/l	0.01
Spiked Amount			Recovery	=	115.96%	
35) Dibromofluoromethane	7.74	113	115417	55.54	ug/l	0.00
Spiked Amount			Recovery	=	111.08%	
50) Toluene-d8	10.19	98	452746	53.86	ug/l	0.00
Spiked Amount			Recovery	=	107.72%	
62) 4-Bromofluorobenzene	12.49	95	129211	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	

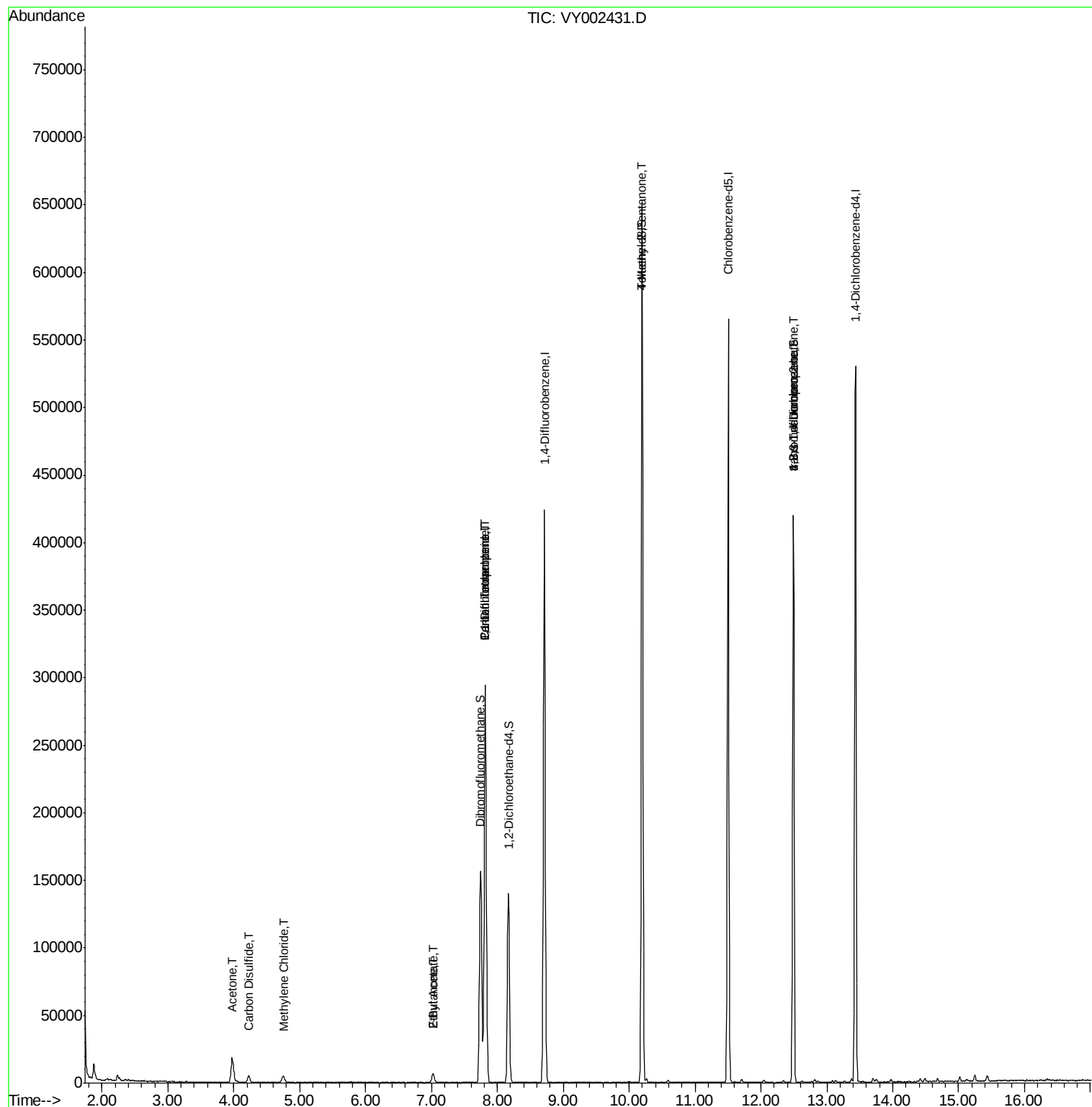
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.97	43	32582	68.122	ug/l	100
17) Carbon Disulfide	4.22	76	9657	1.356	ug/l	97
20) Methylene Chloride	4.75	84	4482	1.675	ug/l #	82
25) 2-Butanone	7.03	43	10896	15.982	ug/l	94
36) 1,1-Dichloropropene	7.82	75	15371	4.835	ug/l #	49
37) Ethyl Acetate	7.03	43	10896	7.329	ug/l #	64
38) Carbon Tetrachloride	7.82	117	21579	6.739	ug/l #	14
51) 4-Methyl-2-Pentanone	10.19	43	1534	1.059	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	59539	45.089	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	59539	87.875	ug/l #	19

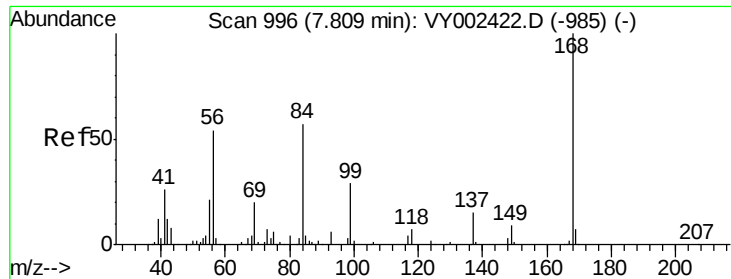
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Apr 20 15:14:11 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002431.D

Acq: 21 Apr 2020 14:34

Instrument :

MSVOA_Y

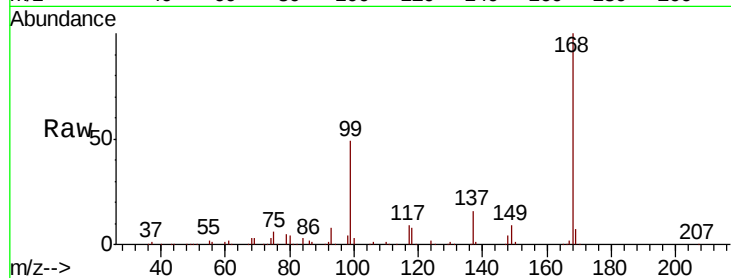
ClientSampleId :

Tot Ion:168 Resp: 246082

Ion Ratio Lower Upper

168 100

99 49.0 37.0 55.4



Abundance Ion 167.90 (167.60 to 168.60): VY002422.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002422.D (-985) (-)

7.82

120000

100000

80000

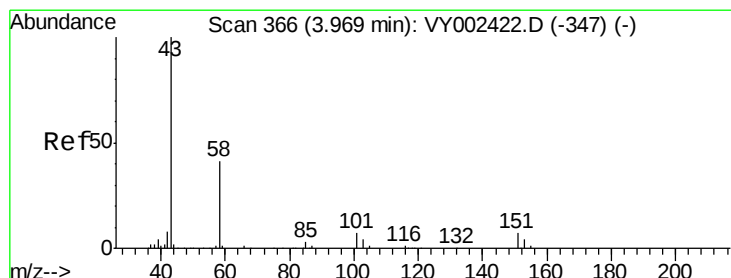
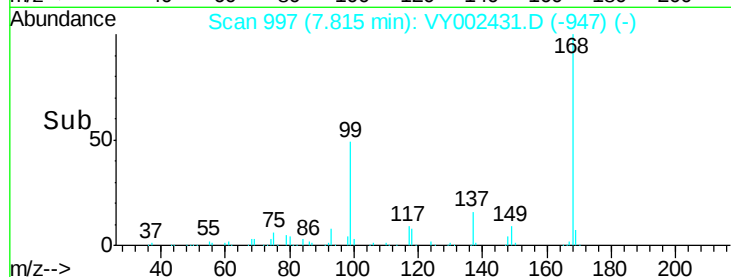
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 68.122 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002431.D

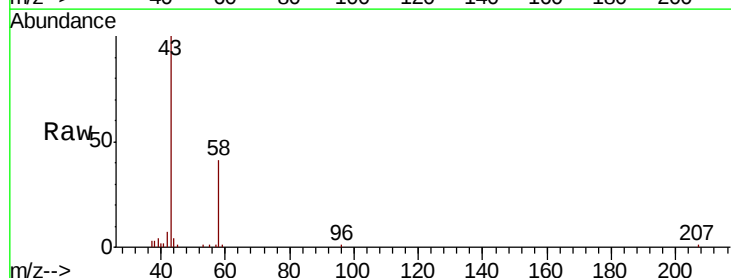
Acq: 21 Apr 2020 14:34

Tgt Ion: 43 Resp: 32582

Ion Ratio Lower Upper

43 100

58 40.7 32.6 48.8



Abundance Ion 43.00 (42.70 to 43.70): VY002422.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002422.D (-347) (-)

3.97

12000

10000

8000

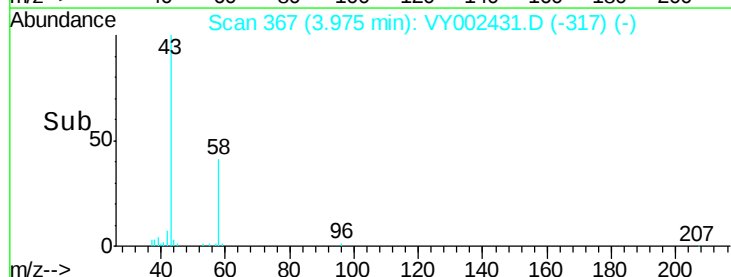
6000

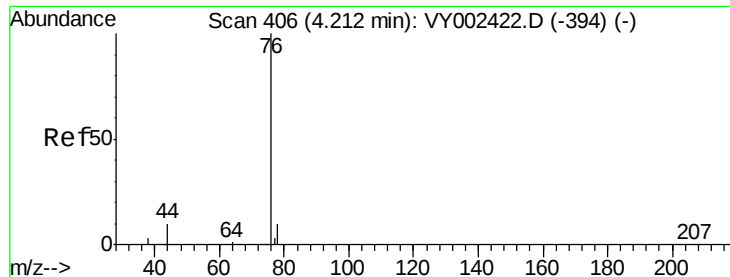
4000

2000

0

Time-->

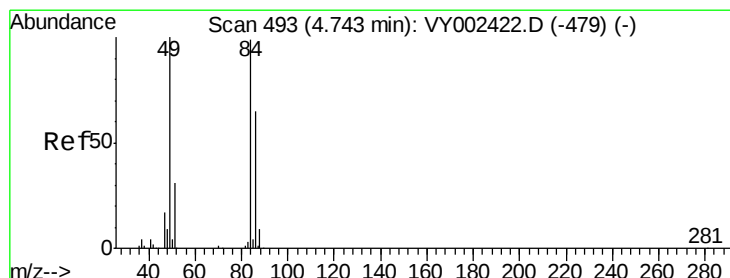
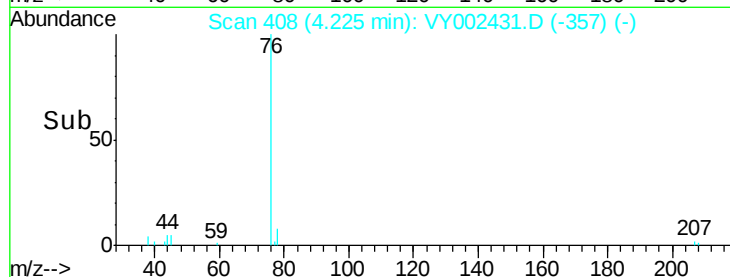
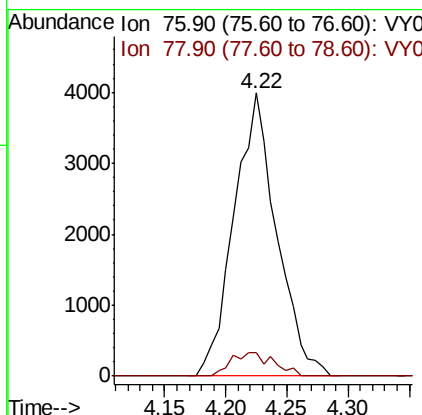
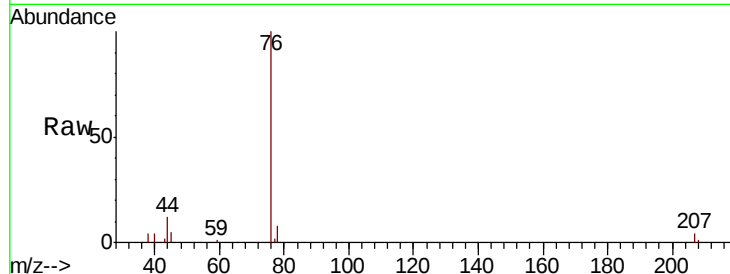




#17
Carbon Disulfide
Concen: 1.356 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.01 min
Lab File: VY002431.D
Acq: 21 Apr 2020 14:34

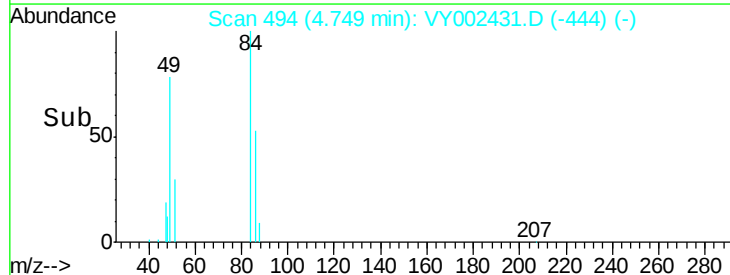
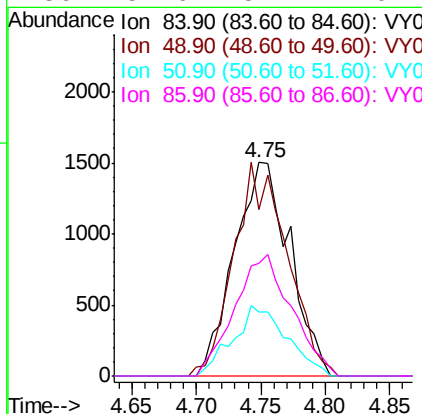
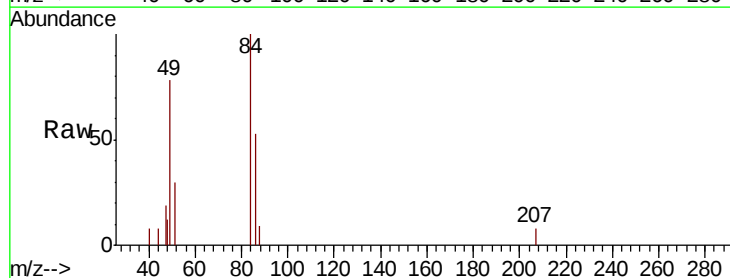
Instrument :
MSVOA_Y
ClientSampleId :

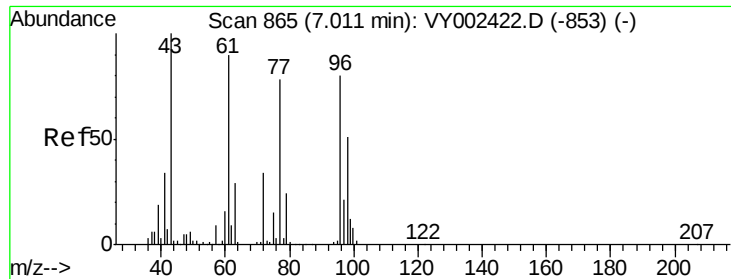
Tot Ion: 76 Resp: 9657
Ion Ratio Lower Upper
76 100
78 8.4 7.8 11.6



#20
Methylene Chloride
Concen: 1.675 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002431.D
Acq: 21 Apr 2020 14:34

Tgt Ion: 84 Resp: 4482
Ion Ratio Lower Upper
84 100
49 77.9 81.0 121.6#
51 30.1 24.9 37.3
86 52.6 52.7 79.1#





#25

2-Butanone

Concen: 15.982 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.02 min

Lab File: VY002431.D

Acq: 21 Apr 2020 14:34

Instrument :

MSVOA_Y

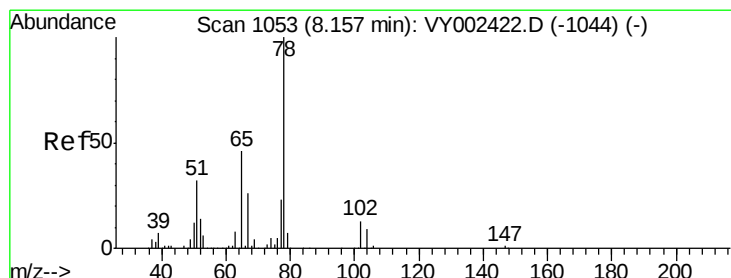
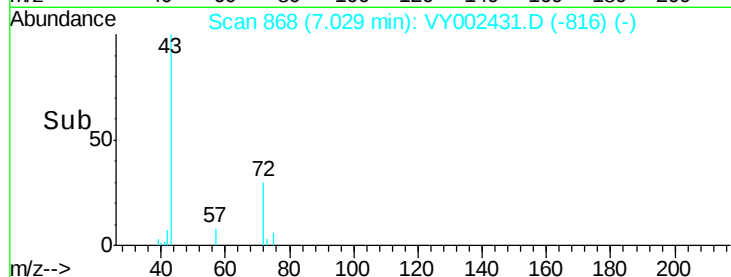
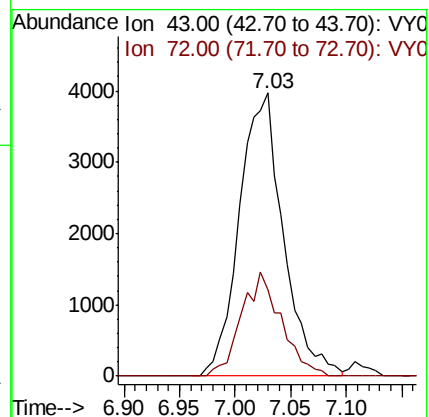
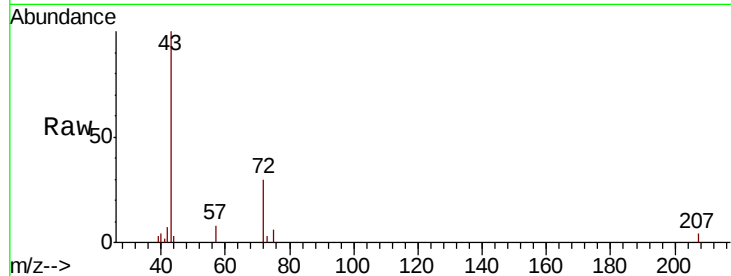
ClientSampleId :

Tot Ion: 43 Resp: 10896

Ion Ratio Lower Upper

43 100

72 30.4 27.0 40.6



#33

1,2-Dichloroethane-d4

Concen: 57.983 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY002431.D

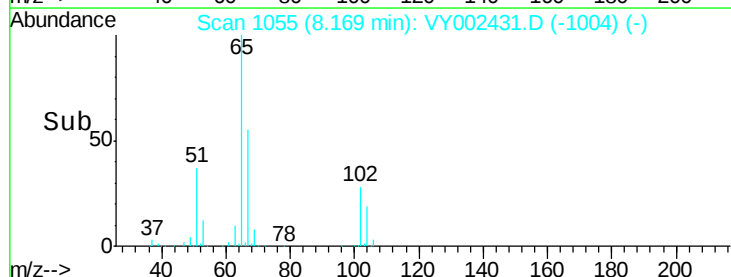
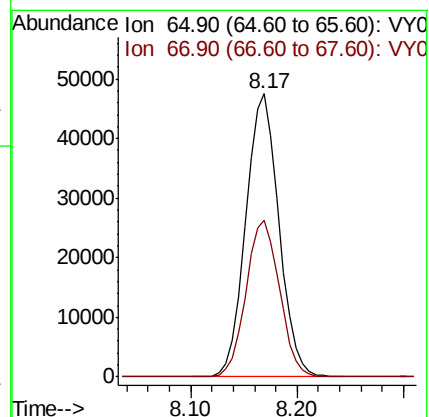
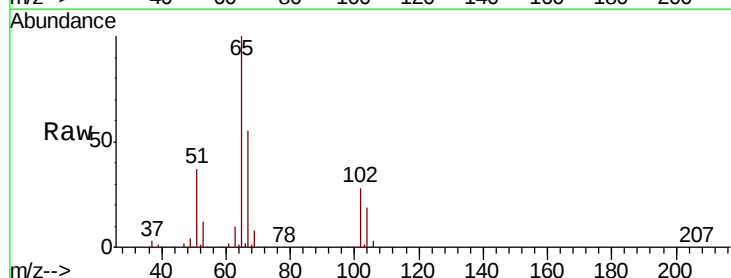
Acq: 21 Apr 2020 14:34

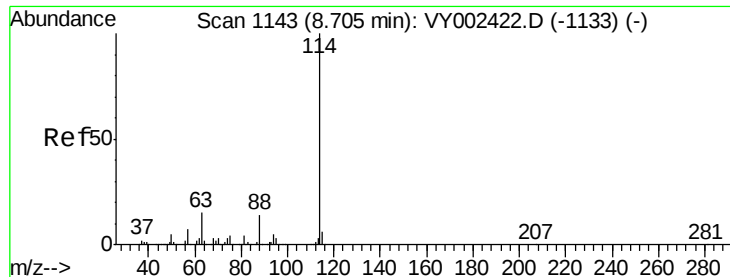
Tgt Ion: 65 Resp: 103777

Ion Ratio Lower Upper

65 100

67 55.9 0.0 111.0

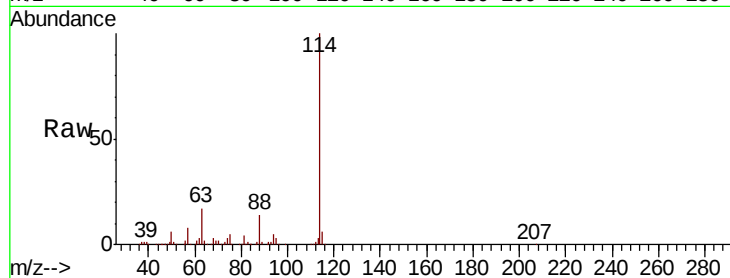




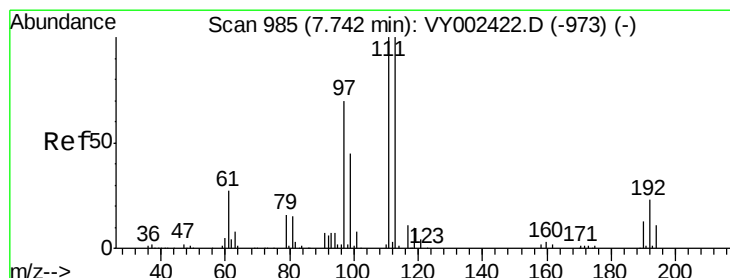
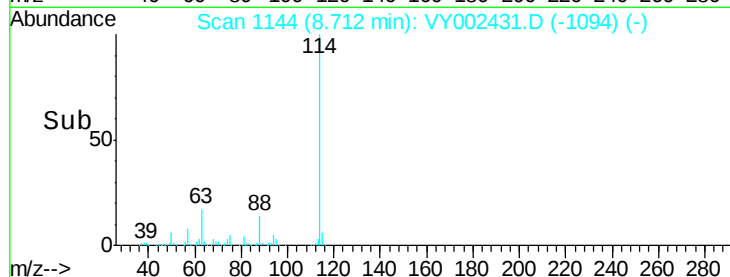
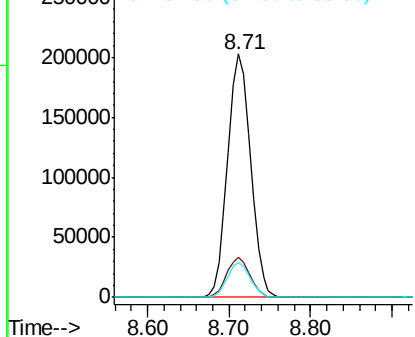
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002431.D
 Acq: 21 Apr 2020 14:34

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	16.5	0.0	31.0
88	14.3	0.0	28.2

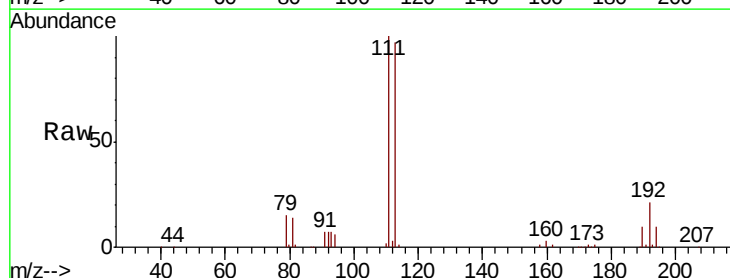


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

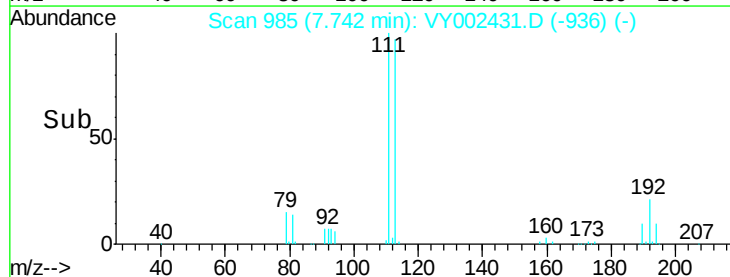
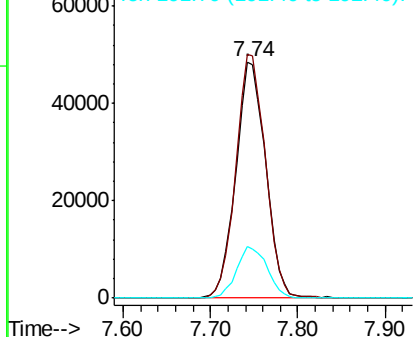


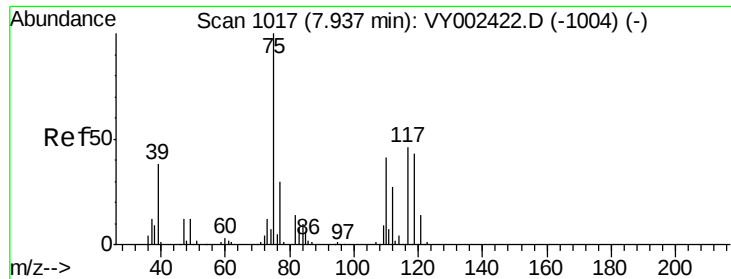
#35
 Dibromofluoromethane
 Concen: 55.539 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VY002431.D
 Acq: 21 Apr 2020 14:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.7	122.5
192	22.4	17.8	26.6



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

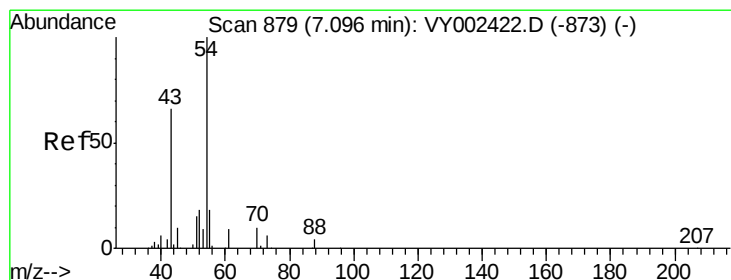
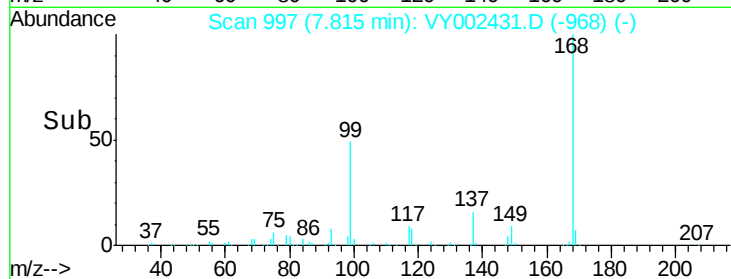
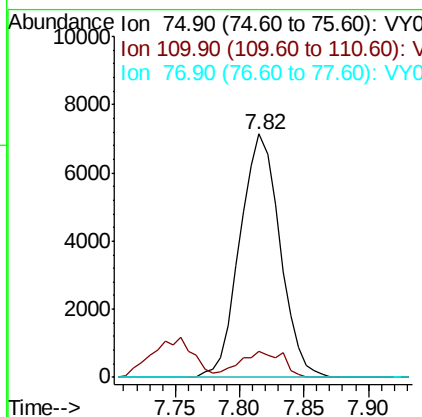
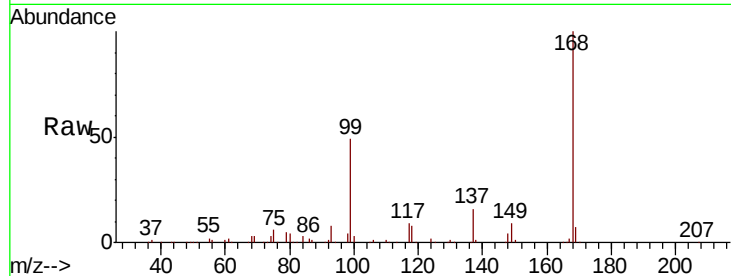




#36
 1,1-Dichloropropene
 Concen: 4.835 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY002431.D
 Acq: 21 Apr 2020 14:34

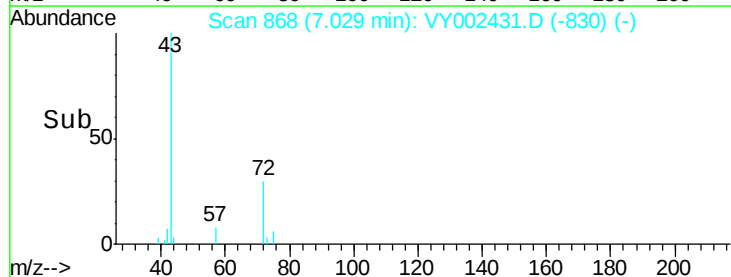
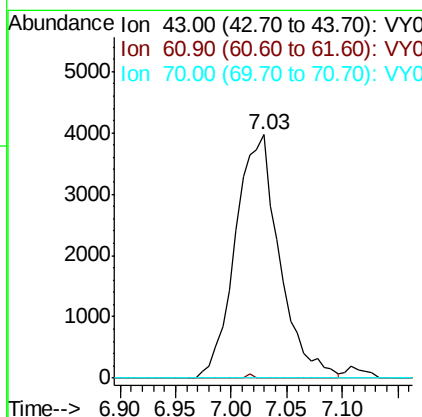
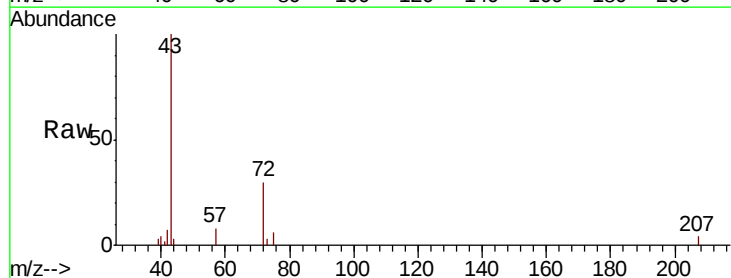
Instrument :
 MSVOA_Y
 ClientSampleId :

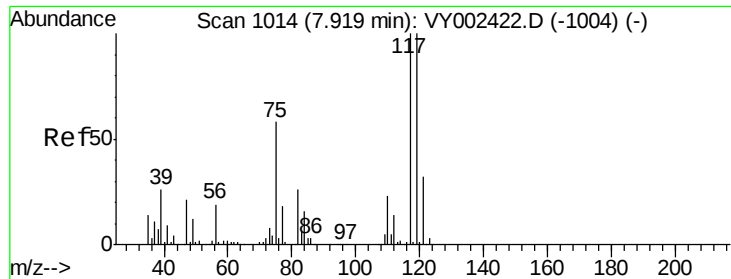
Tot Ion	75	Resp	15371
Ion Ratio	100	Lower	Upper
75	100		
110	11.7	20.4	61.2#
77	0.0	25.5	38.3#



#37
 Ethyl Acetate
 Concen: 7.329 ug/l
 RT: 7.03 min Scan# 868
 Delta R.T. -0.07 min
 Lab File: VY002431.D
 Acq: 21 Apr 2020 14:34

Tgt Ion	43	Resp	10896
Ion Ratio	100	Lower	Upper
43	100		
61	0.2	13.5	20.3#
70	0.0	10.6	16.0#





#38

Carbon Tetrachloride

Concen: 6.739 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.10 min

Lab File: VY002431.D

Acq: 21 Apr 2020 14:34

Instrument :

MSVOA_Y

ClientSampleId :

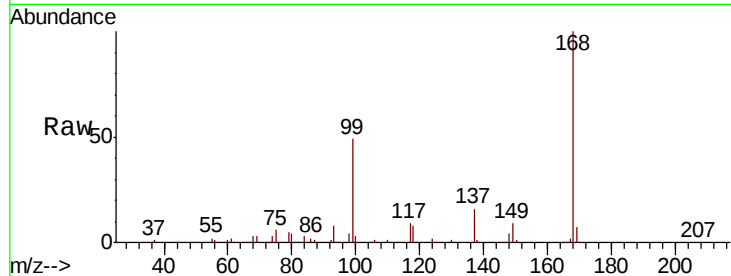
Tot Ion:117 Resp: 21579

Ion Ratio Lower Upper

117 100

119 5.1 79.6 119.4#

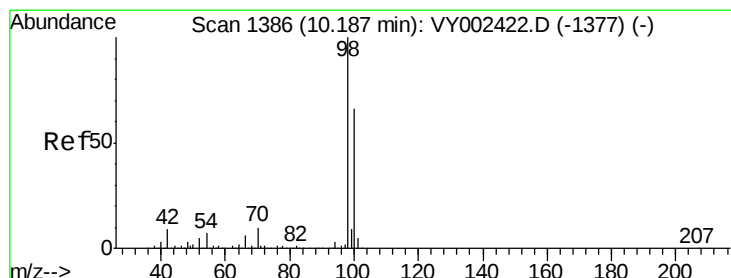
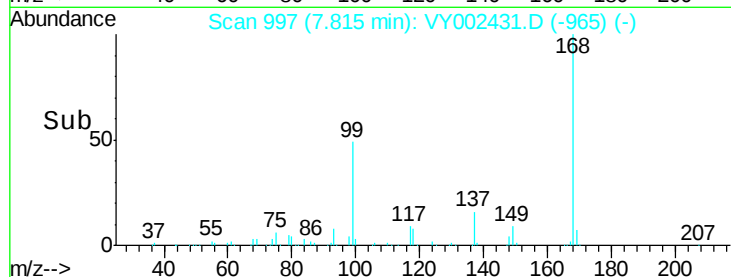
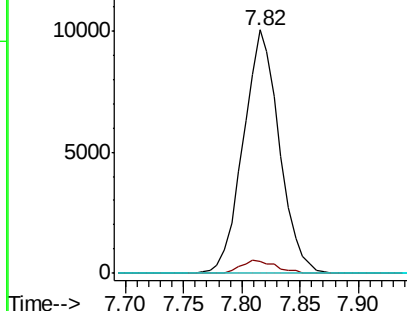
121 0.0 25.4 38.2#



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: 53.865 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002431.D

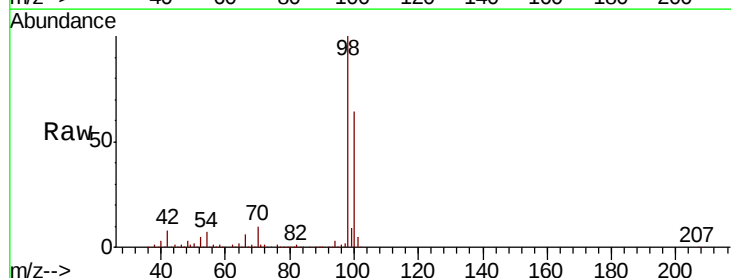
Acq: 21 Apr 2020 14:34

Tgt Ion: 98 Resp: 452746

Ion Ratio Lower Upper

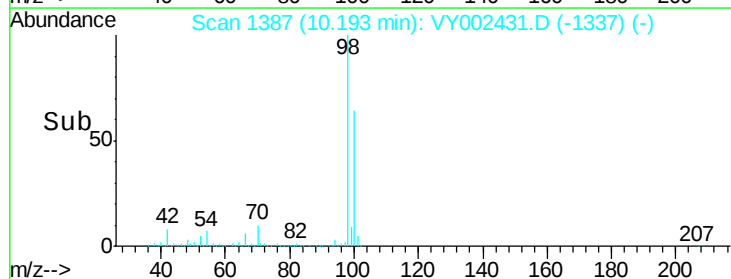
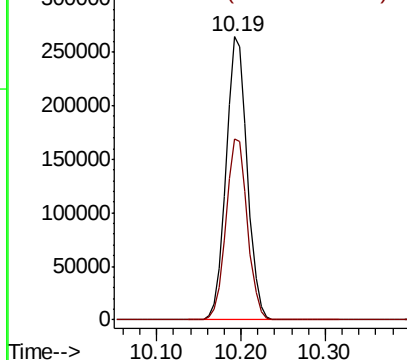
98 100

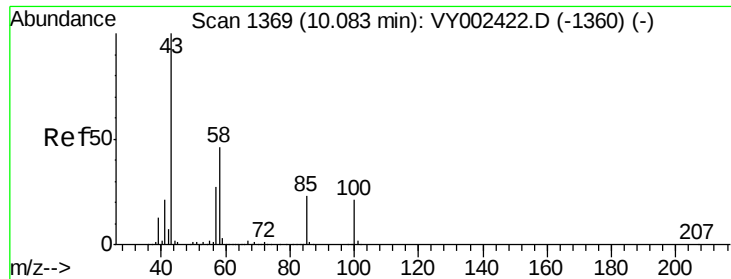
100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 1.059 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY002431.D

Acq: 21 Apr 2020 14:34

Instrument :

MSVOA_Y

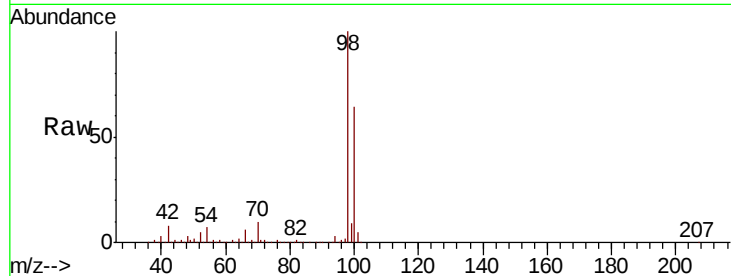
ClientSampleId :

Tot Ion: 43 Resp: 1534

Ion Ratio Lower Upper

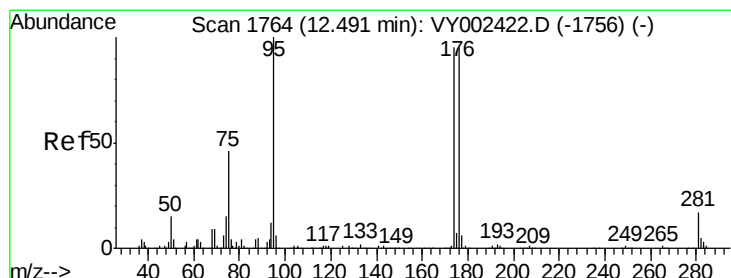
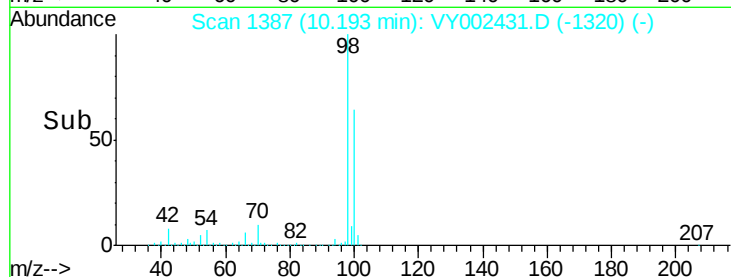
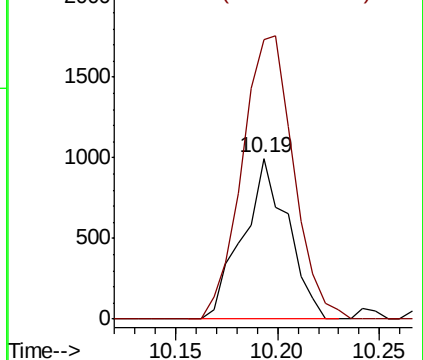
43 100

58 200.9 36.8 55.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 46.561 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002431.D

Acq: 21 Apr 2020 14:34

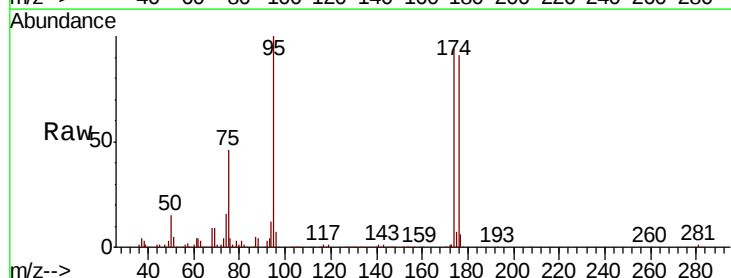
Tgt Ion: 95 Resp: 129211

Ion Ratio Lower Upper

95 100

174 92.2 0.0 185.8

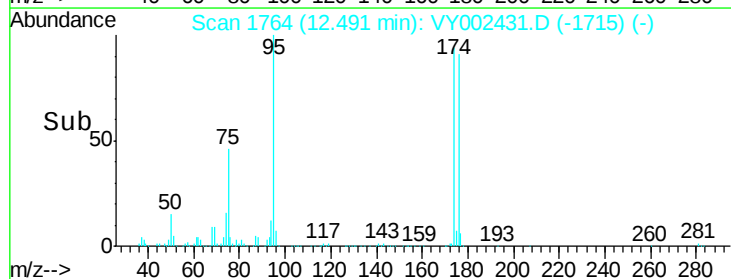
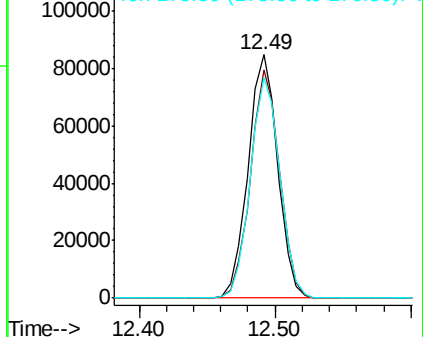
176 90.9 0.0 181.2

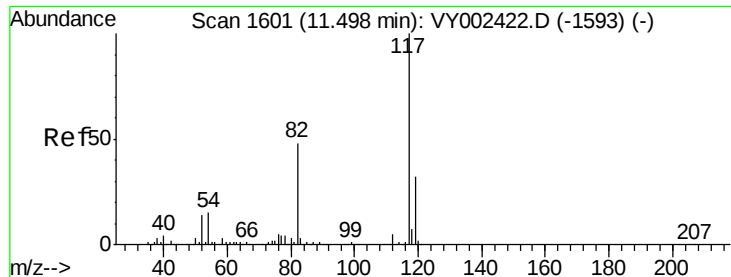


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

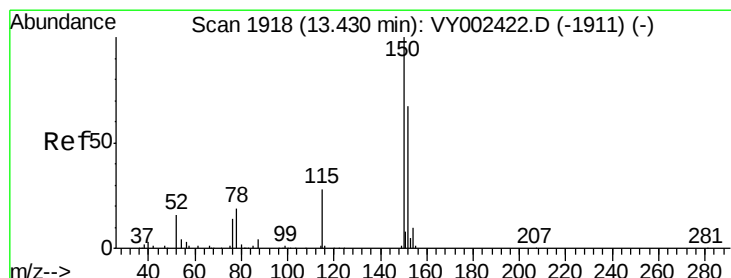
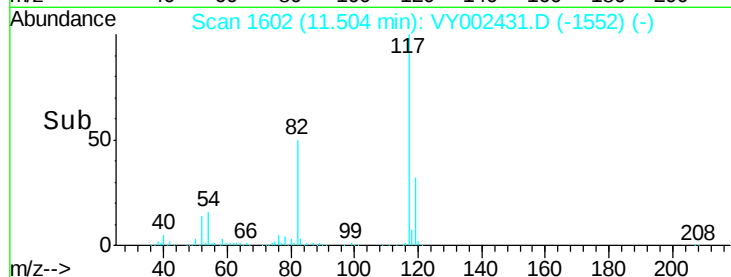
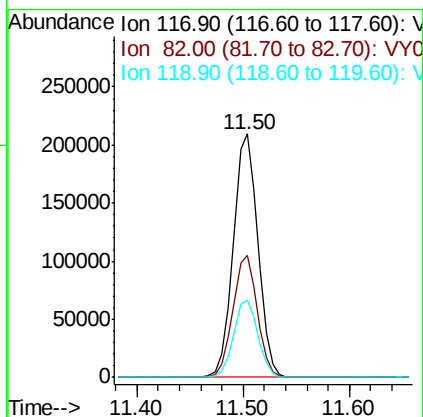
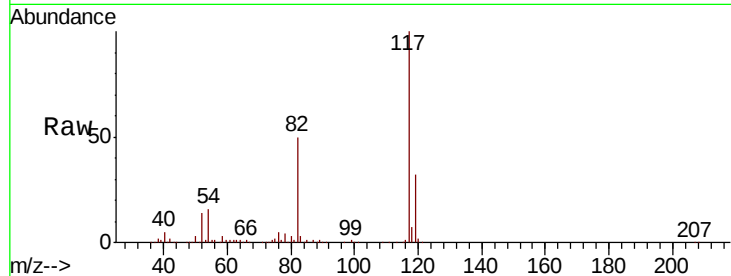




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002431.D
Acq: 21 Apr 2020 14:34

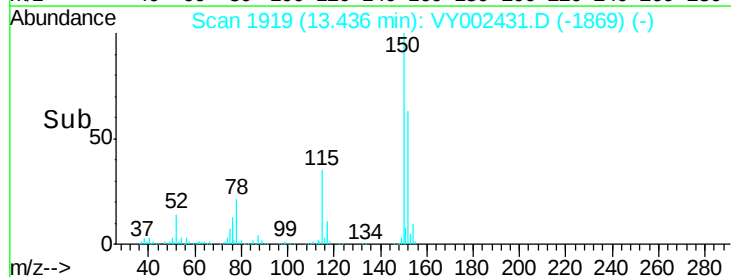
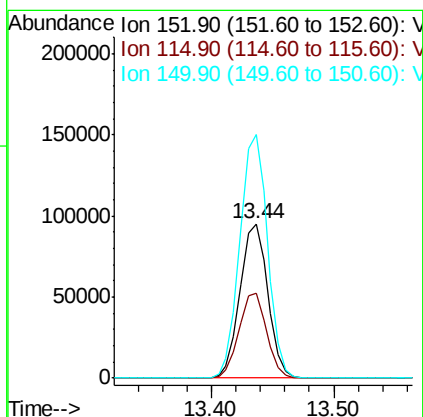
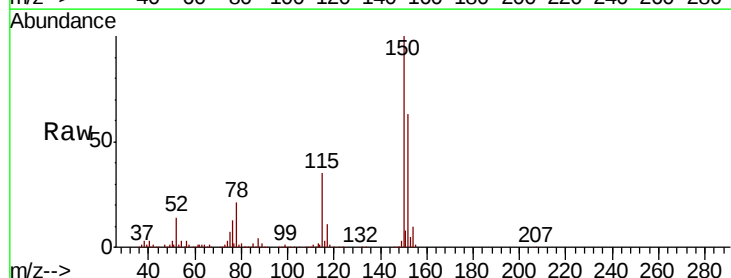
Instrument :
MSVOA_Y
ClientSampled :

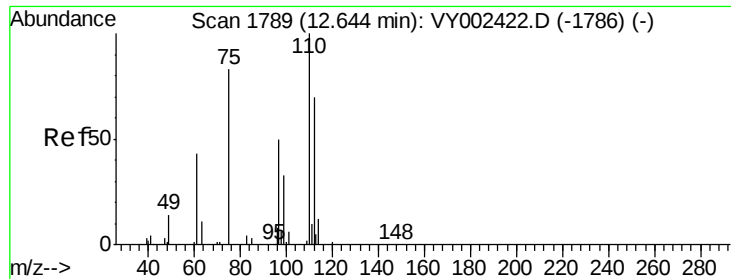
Tot Ion:117 Resp: 339079
Ion Ratio Lower Upper
117 100
82 50.3 38.4 57.6
119 31.5 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002431.D
Acq: 21 Apr 2020 14:34

Tgt Ion:152 Resp: 149886
Ion Ratio Lower Upper
152 100
115 54.8 27.3 81.8
150 157.1 0.0 344.0





#76

1,2,3-Trichloropropane

Concen: 45.089 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002431.D

Acq: 21 Apr 2020 14:34

Instrument :

MSVOA_Y

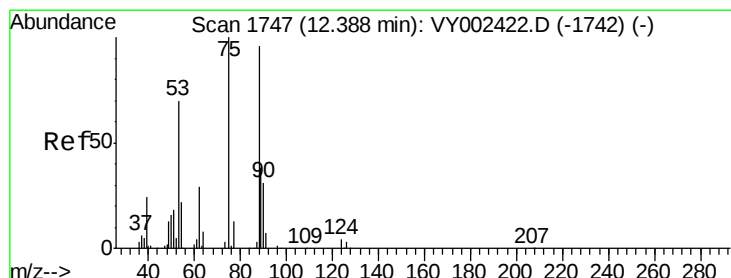
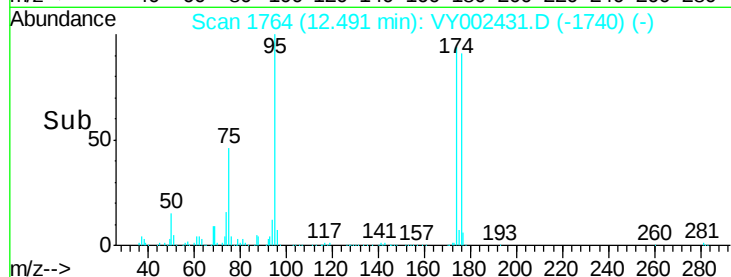
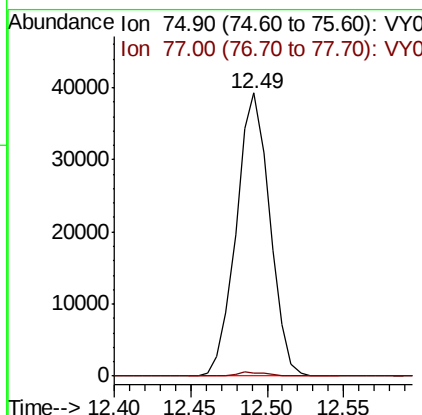
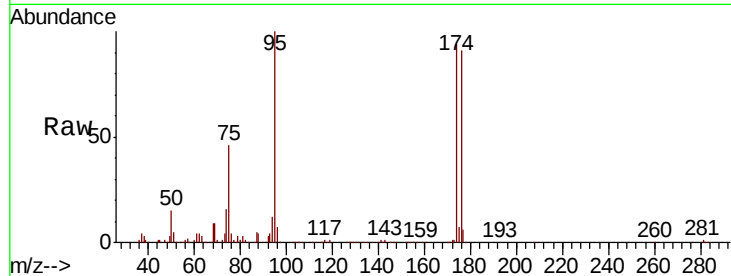
ClientSampleId :

Tot Ion: 75 Resp: 59539

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.875 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002431.D

Acq: 21 Apr 2020 14:34

Tgt Ion: 75 Resp: 59539

Ion Ratio Lower Upper

75 100

53 0.0 58.7 88.1#

89 0.0 37.9 56.9#

