

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002542.D
 Acq On : 04 May 2020 15:40
 Operator : SY/MD
 Sample : L2443-02
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 05 07:07:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

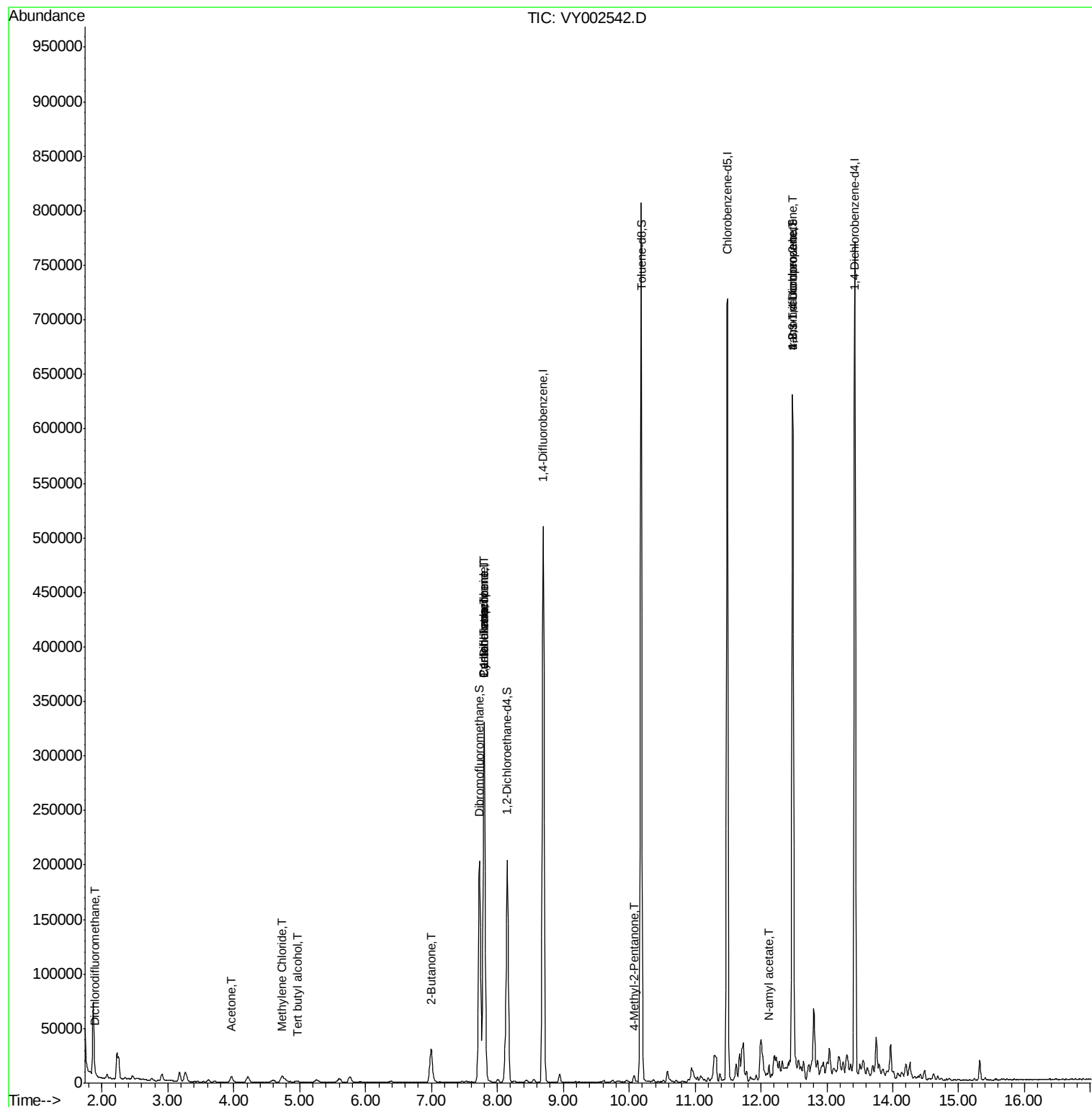
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	277232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	454767	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	418698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	203352	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	150304	64.48	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	128.96%	
35) Dibromofluoromethane	7.73	113	142957	54.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.94%	
50) Toluene-d8	10.18	98	534110	52.59	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.48	95	178284	51.73	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	388	1.948	ug/l	89
11) Tert butyl alcohol	4.97	59	2142	8.932	ug/l #	81
16) Acetone	3.97	43	9505	19.758	ug/l	95
20) Methylene Chloride	4.73	84	4372	1.625	ug/l	94
25) 2-Butanone	7.00	43	2584	3.281	ug/l #	80
31) Cyclohexane	7.80	56	5080	1.212	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	18086	4.744	ug/l #	49
38) Carbon Tetrachloride	7.80	117	24882	5.978	ug/l #	16
51) 4-Methyl-2-Pentanone	10.07	43	4522	2.389	ug/l	97
74) N-amyl acetate	12.12	43	3422	1.079	ug/l #	48
76) 1,2,3-Trichloropropane	12.48	75	87890	48.635	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	87890	97.523	ug/l #	16

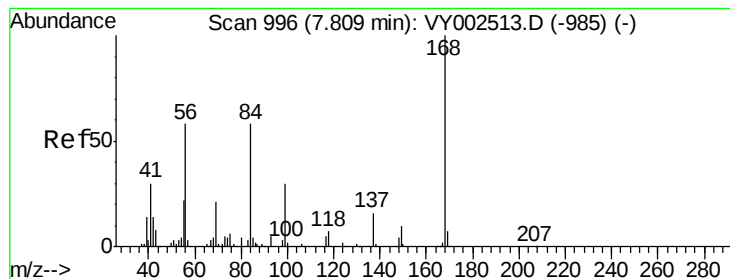
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002542.D

Acq: 04 May 2020 15:40

Instrument :

MSVOA_Y

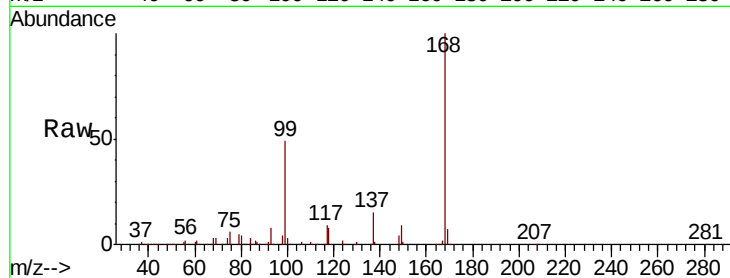
ClientSampleId :

Tot Ion:168 Resp: 277232

Ion Ratio Lower Upper

168 100

99 48.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

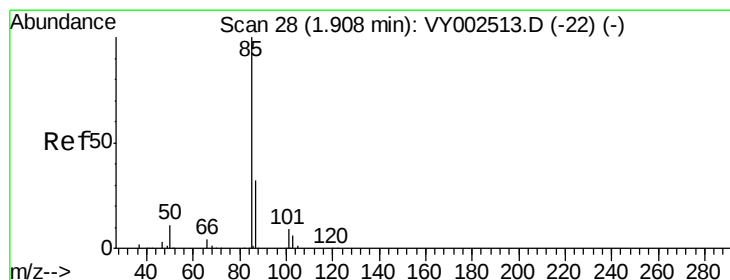
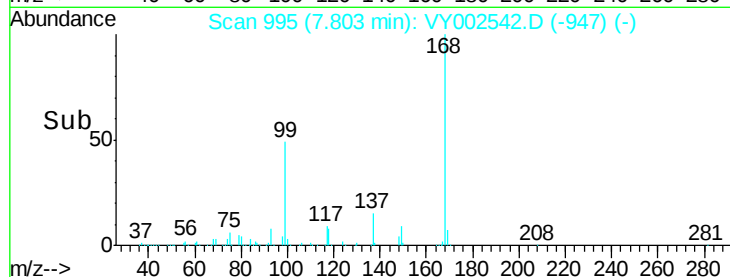
7.80

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.948 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002542.D

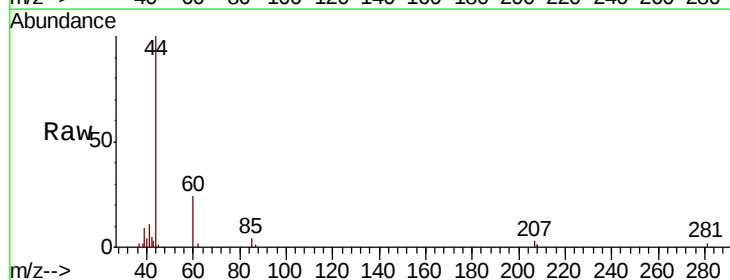
Acq: 04 May 2020 15:40

Tgt Ion: 85 Resp: 388

Ion Ratio Lower Upper

85 100

87 25.5 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.90

250

200

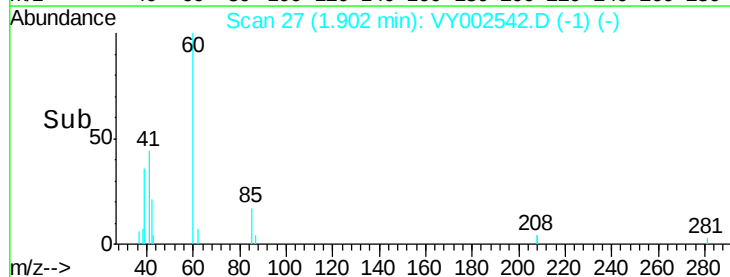
150

100

50

0

Time-->

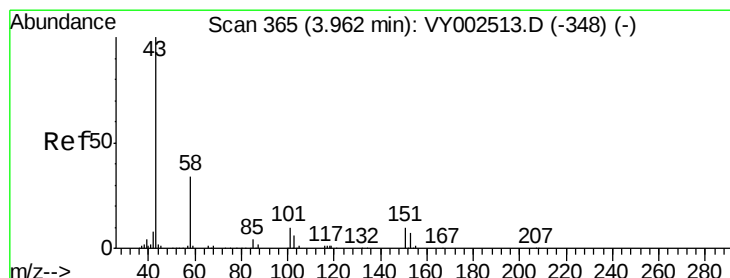
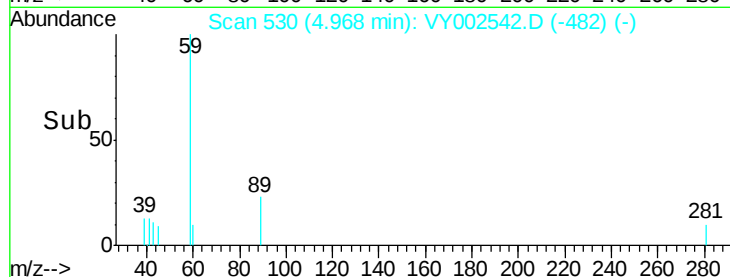
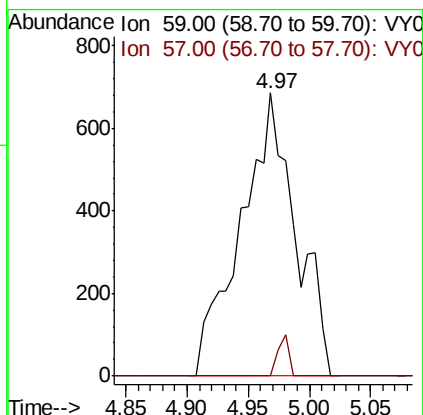
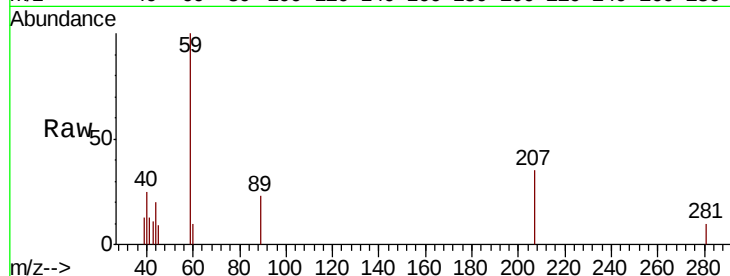




#11
Tert butyl alcohol
Concen: 8.932 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.01 min
Lab File: VY002542.D
Acq: 04 May 2020 15:40

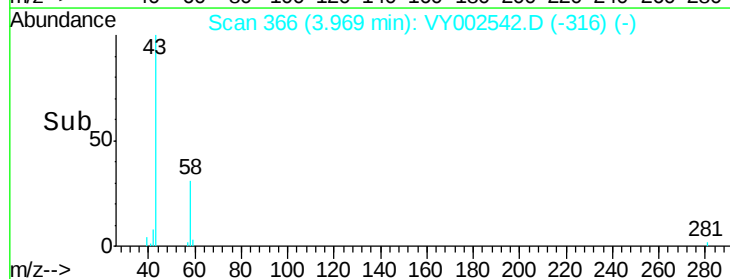
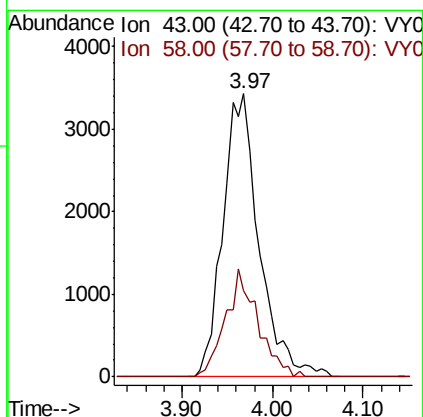
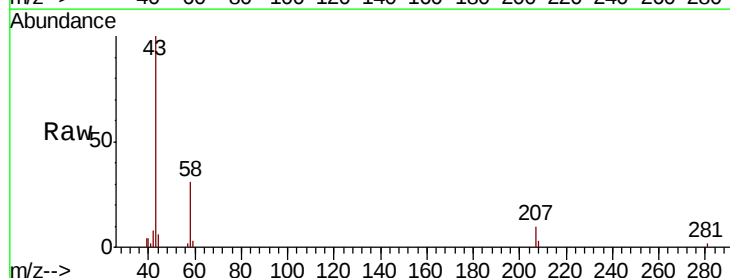
Instrument :
MSVOA_Y
ClientSampleId :

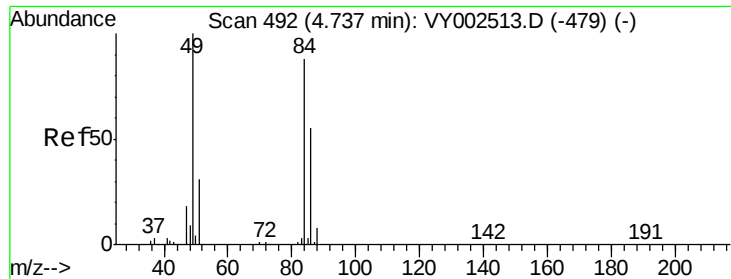
Tot Ion: 59 Resp: 2142
Ion Ratio Lower Upper
59 100
57 2.8 7.8 11.6#



#16
Acetone
Concen: 19.758 ug/l
RT: 3.97 min Scan# 366
Delta R.T. 0.01 min
Lab File: VY002542.D
Acq: 04 May 2020 15:40

Tgt Ion: 43 Resp: 9505
Ion Ratio Lower Upper
43 100
58 30.7 26.9 40.3

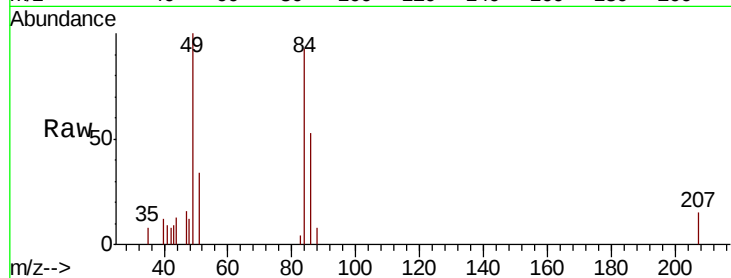




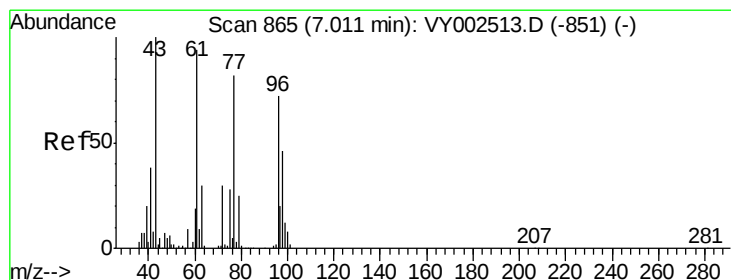
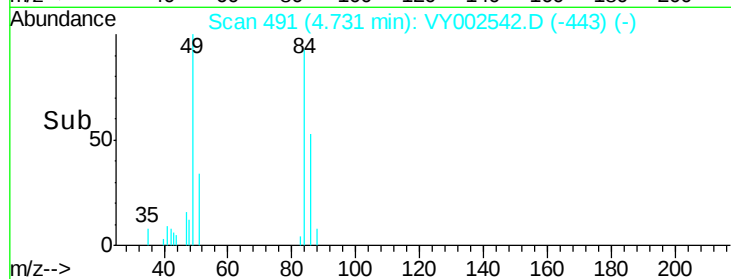
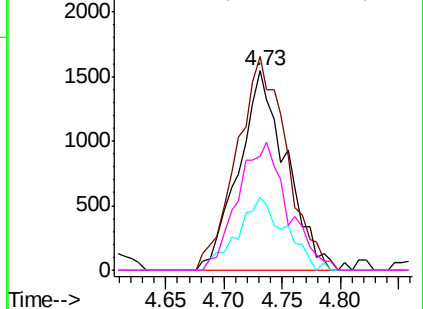
#20
Methvlene Chloride
Concen: 1.625 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002542.D
Acq: 04 May 2020 15:40

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 84 Resp: 4372
Ion Ratio Lower Upper
84 100
49 107.0 90.5 135.7
51 36.8 28.3 42.5
86 57.0 49.9 74.9

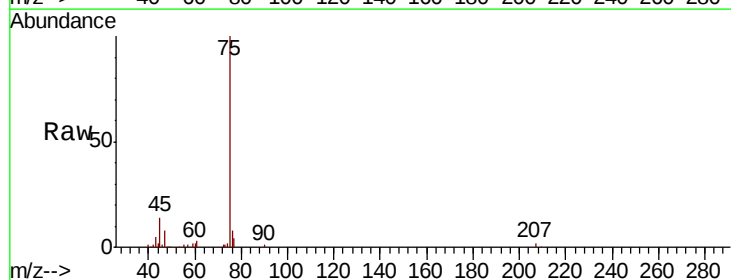


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

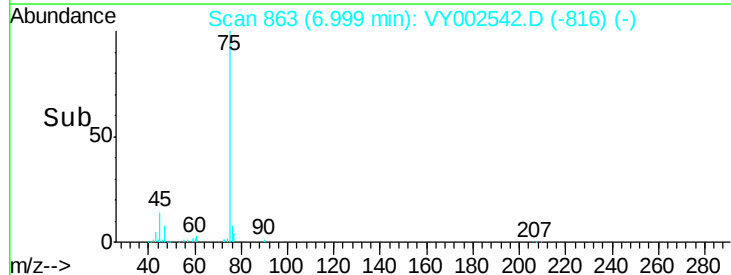
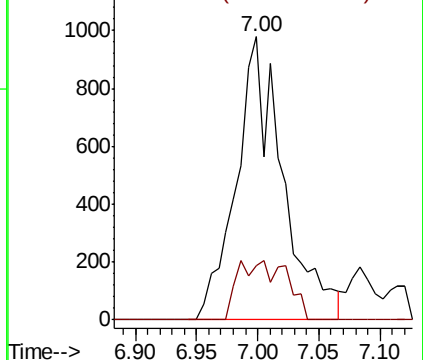


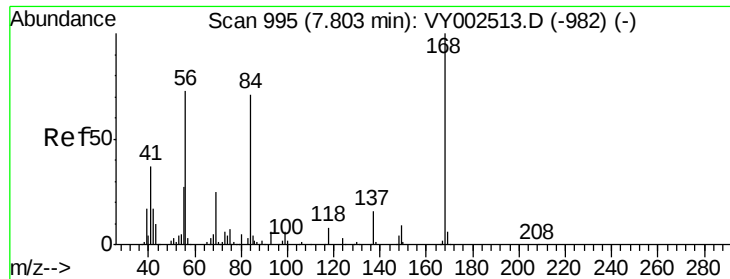
#25
2-Butanone
Concen: 3.281 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002542.D
Acq: 04 May 2020 15:40

Tgt Ion: 43 Resp: 2584
Ion Ratio Lower Upper
43 100
72 19.3 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0

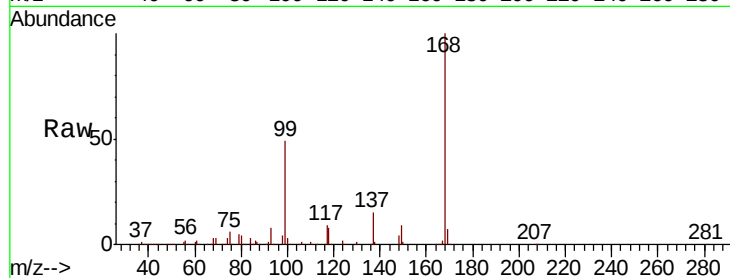




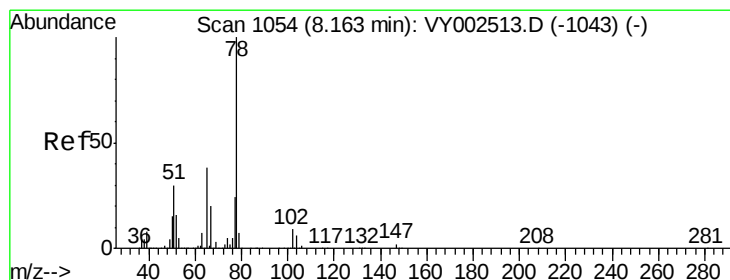
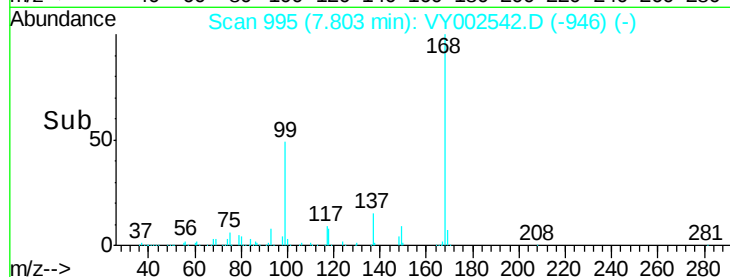
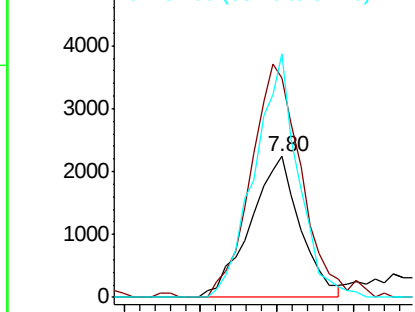
#31
Cyclohexane
Concen: 1.212 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.00 min
Lab File: VY002542.D
Acq: 04 May 2020 15:40

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 5080
Ion Ratio Lower Upper
56 100
69 156.3 27.6 41.4#
84 173.1 77.7 116.5#

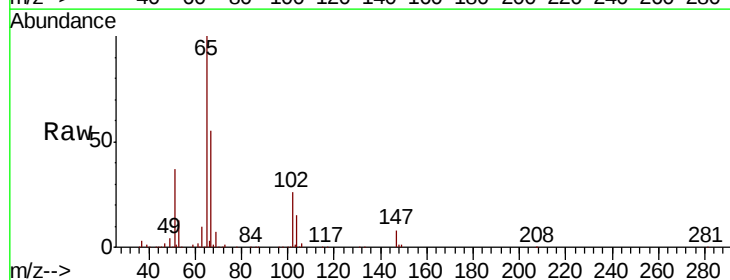


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

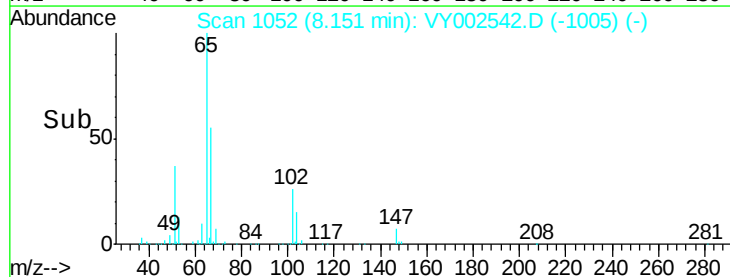
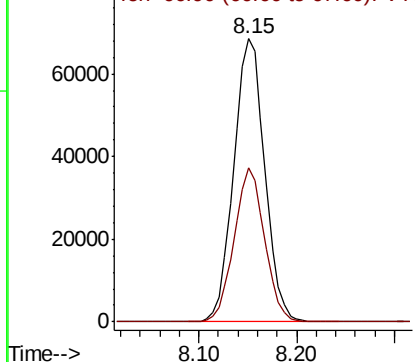


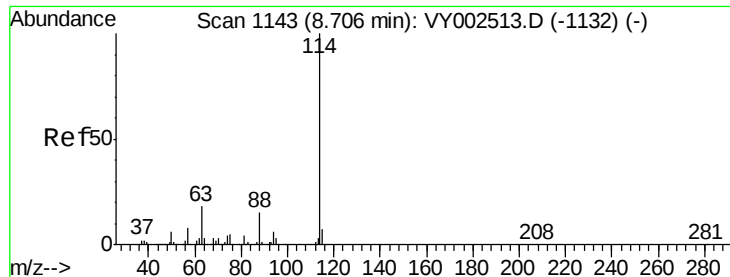
#33
1,2-Dichloroethane-d4
Concen: 64.480 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY002542.D
Acq: 04 May 2020 15:40

Tgt Ion: 65 Resp: 150304
Ion Ratio Lower Upper
65 100
67 53.4 0.0 107.2



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

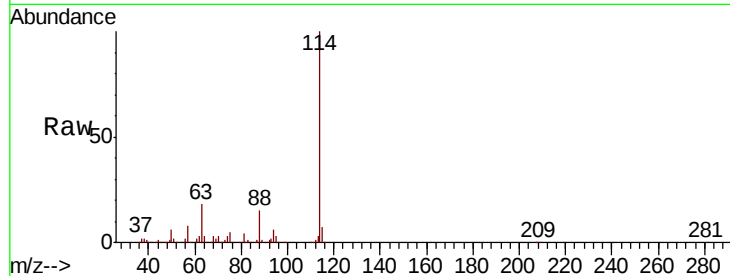




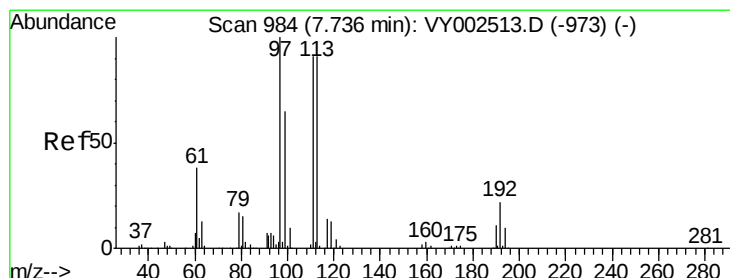
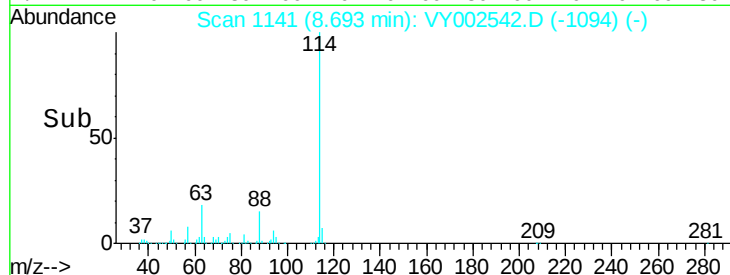
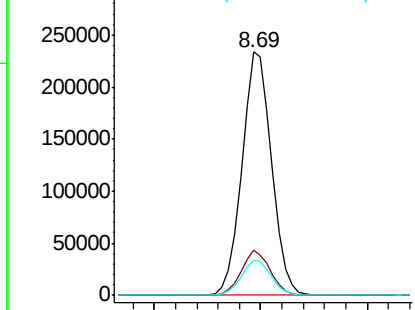
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY002542.D
 Acq: 04 May 2020 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	36.4
88	14.6	0.0	29.6

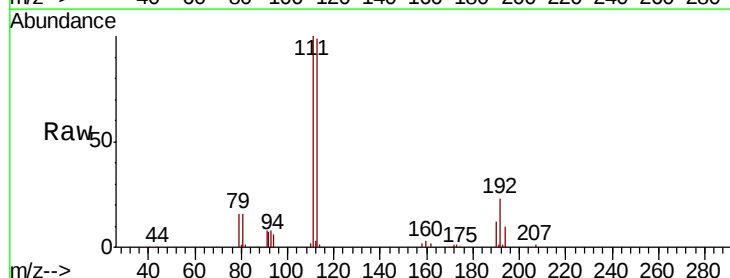


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

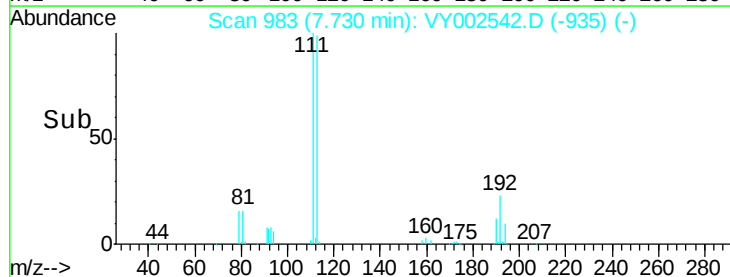
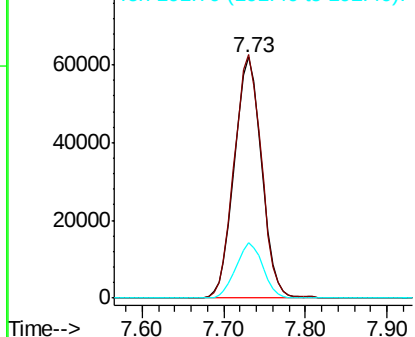


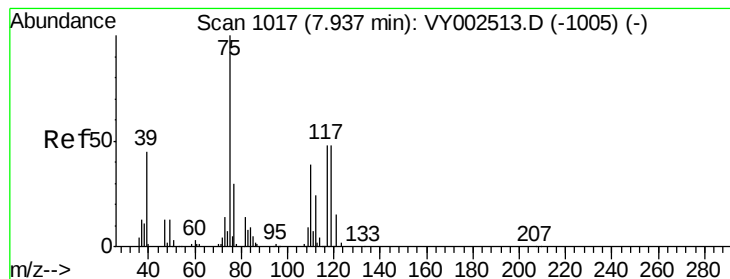
#35
 Dibromofluoromethane
 Concen: 54.966 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002542.D
 Acq: 04 May 2020 15:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.8	122.6
192	22.8	18.2	27.4



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: 4.744 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.14 min

Lab File: VY002542.D

Acq: 04 May 2020 15:40

Instrument :

MSVOA_Y

ClientSampled :

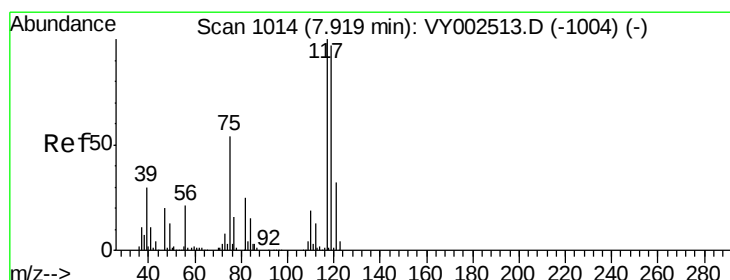
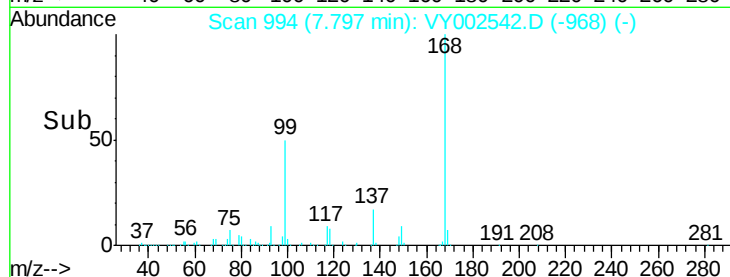
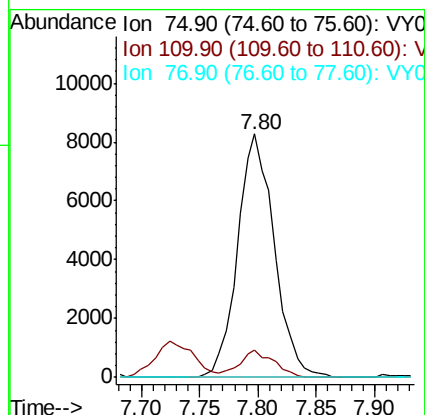
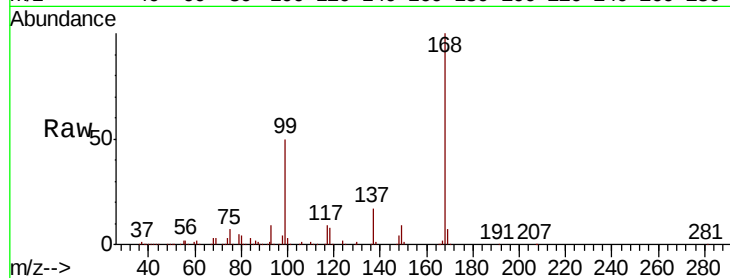
Tot Ion: 75 Resp: 18086

Ion Ratio Lower Upper

75 100

110 10.2 19.1 57.3#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.978 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY002542.D

Acq: 04 May 2020 15:40

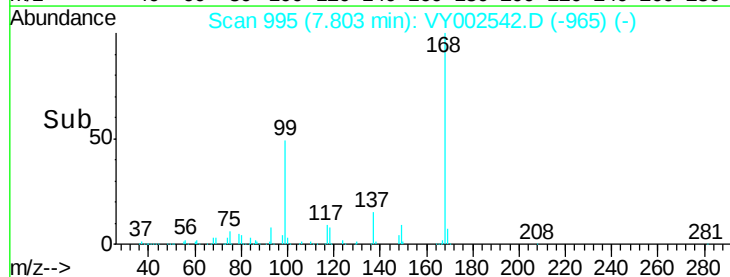
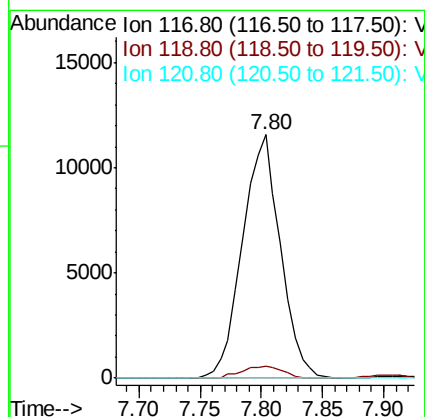
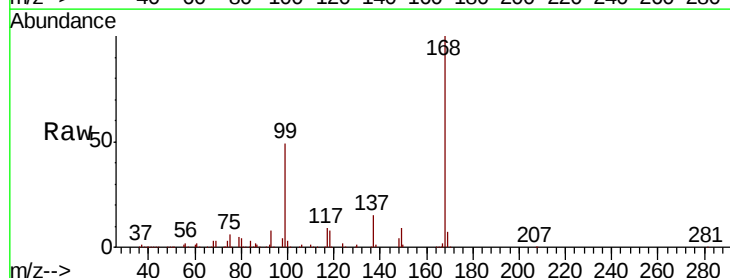
Tgt Ion: 117 Resp: 24882

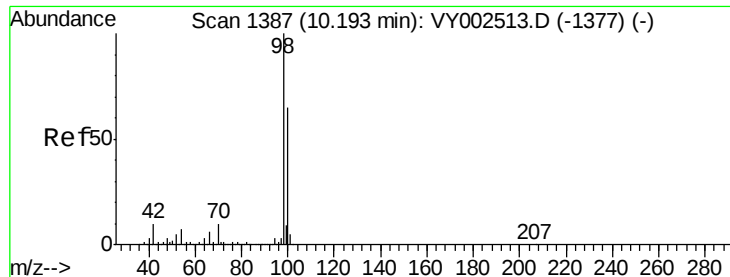
Ion Ratio Lower Upper

117 100

119 4.9 77.1 115.7#

121 0.0 25.2 37.8#





#50

Toluene-d8

Concen: 52.587 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002542.D

Acq: 04 May 2020 15:40

Instrument :

MSVOA_Y

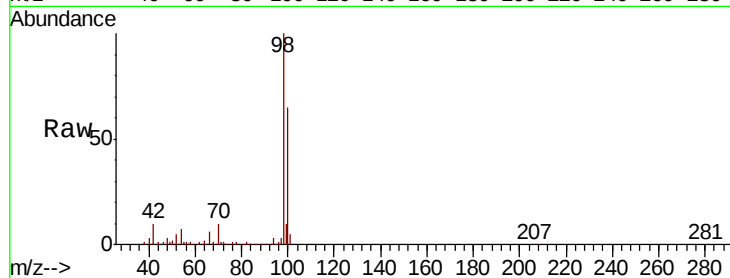
ClientSampleId :

Tot Ion: 98 Resp: 534110

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.18

300000

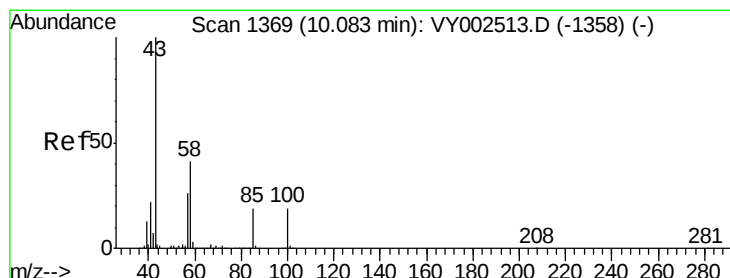
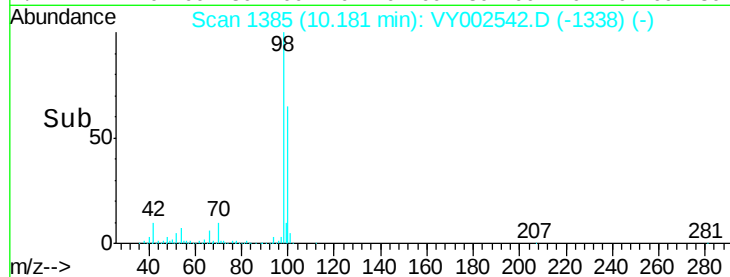
200000

100000

0

Time-->

10.10 10.20



#51

4-Methyl-2-Pentanone

Concen: 2.389 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY002542.D

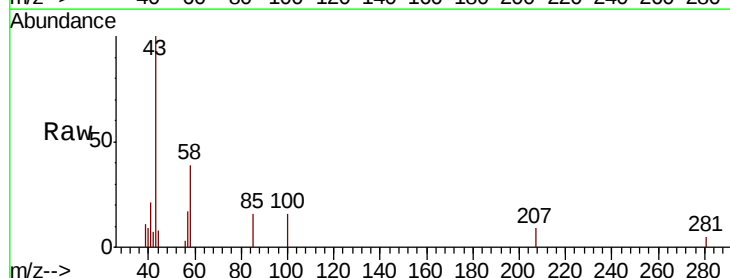
Acq: 04 May 2020 15:40

Tgt Ion: 43 Resp: 4522

Ion Ratio Lower Upper

43 100

58 39.8 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3000

2500

2000

1500

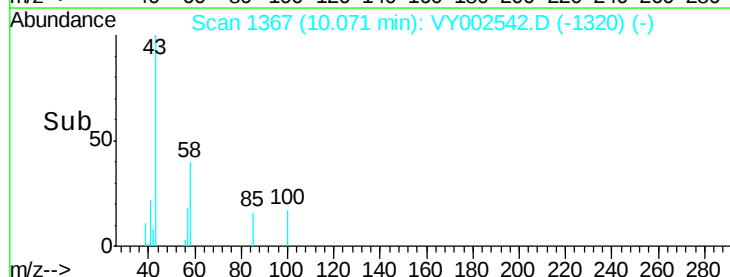
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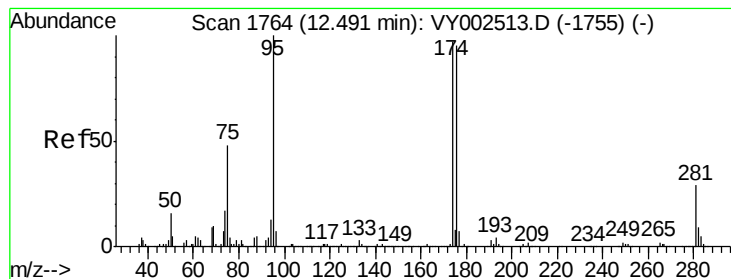
500

0

Time-->

10.00 10.10





#62

4-Bromofluorobenzene

Concen: 51.731 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002542.D

Acq: 04 May 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

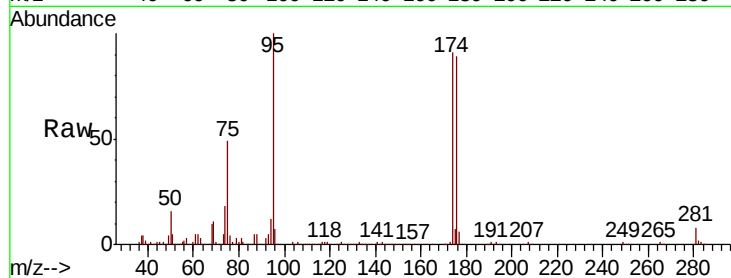
Tot Ion: 95 Resp: 178284

Ion Ratio Lower Upper

95 100

174 93.8 0.0 188.8

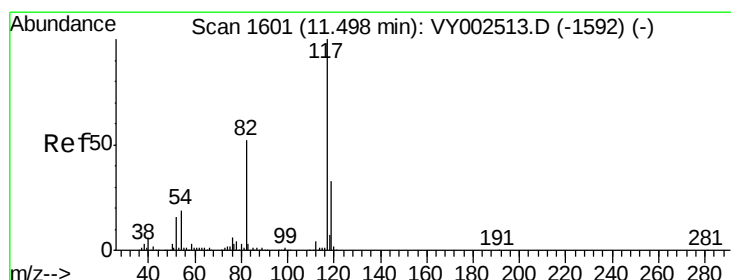
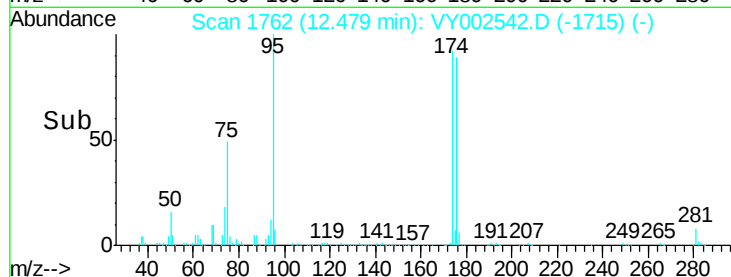
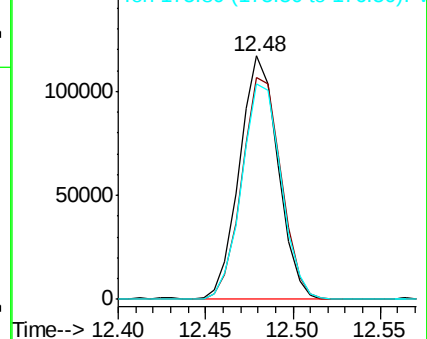
176 91.1 0.0 183.2



Abundance Ion 94.90 (94.60 to 95.60): VY002513.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002513.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002513.D (-1755) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002542.D

Acq: 04 May 2020 15:40

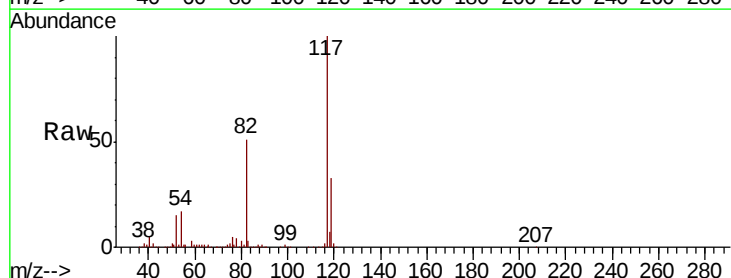
Tgt Ion: 117 Resp: 418698

Ion Ratio Lower Upper

117 100

82 50.9 41.3 61.9

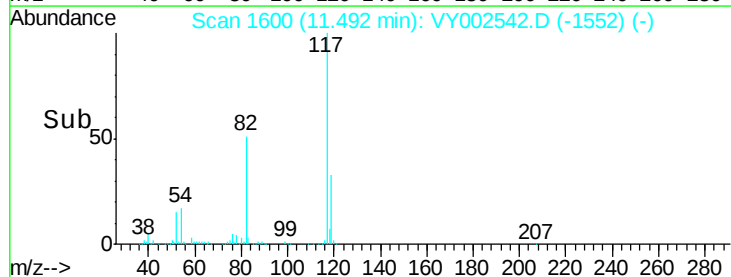
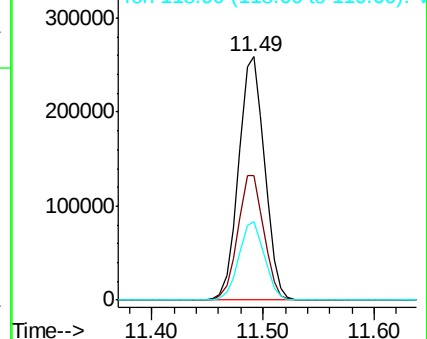
119 32.5 26.0 39.0

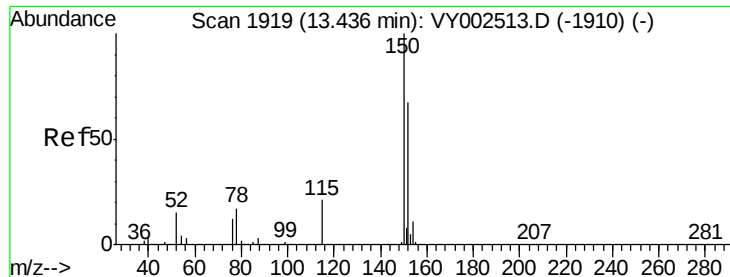


Abundance Ion 116.90 (116.60 to 117.60): VY002513.D (-1592) (-)

Ion 82.00 (81.70 to 82.70): VY002513.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY002513.D (-1592) (-)



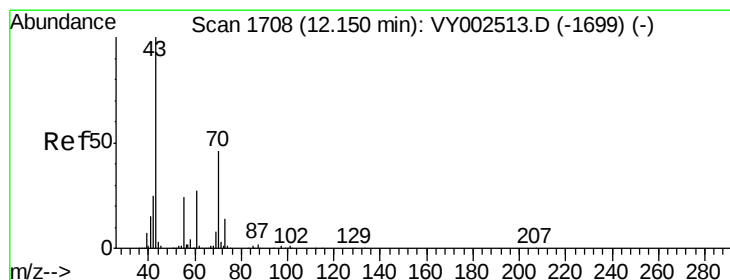
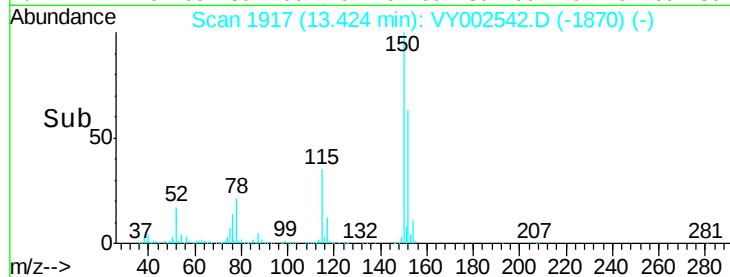
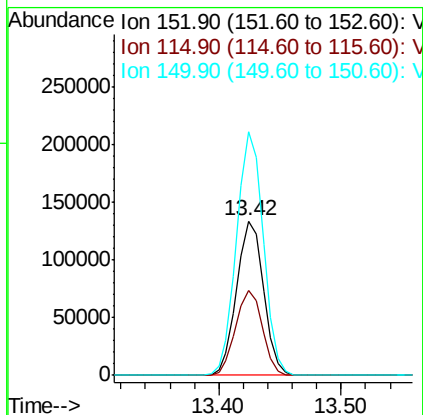
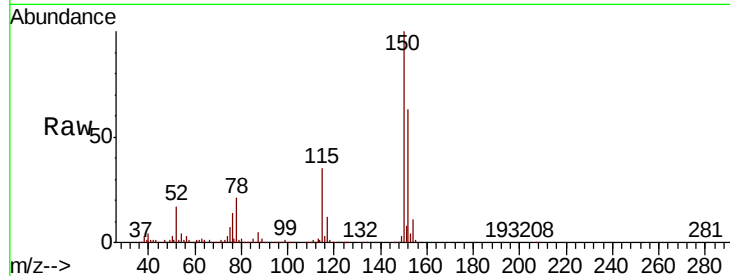


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002542.D
Acq: 04 May 2020 15:40

Instrument :
MSVOA_Y
ClientSampled :

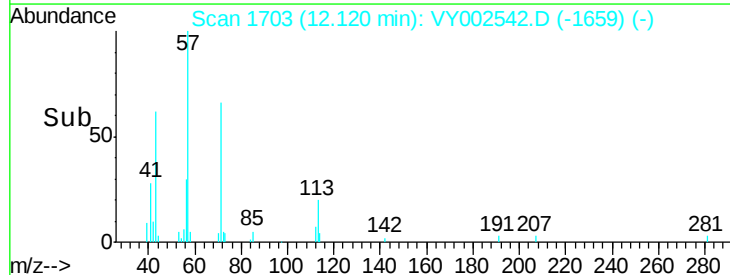
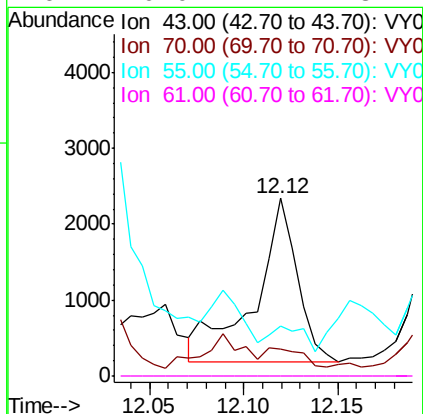
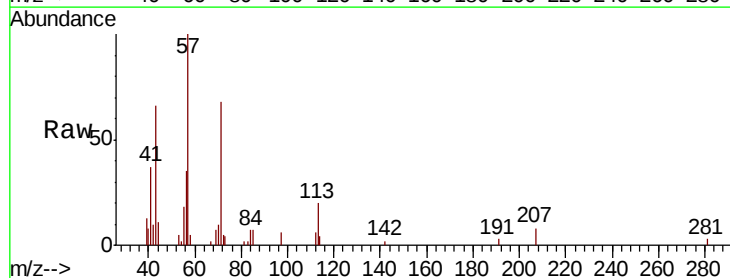
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.5	82.4
150	157.3	0.0	346.4

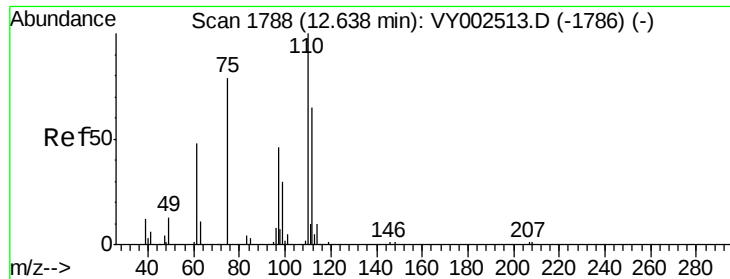


#74

N-ethyl acetate
Concen: 1.079 ug/l
RT: 12.12 min Scan# 1703
Delta R.T. -0.03 min
Lab File: VY002542.D
Acq: 04 May 2020 15:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	10.0	36.7	55.1#
55	0.0	19.2	28.8#
61	0.0	21.1	31.7#





#76

1,2,3-Trichloropropane

Concen: 48.635 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY002542.D

Acq: 04 May 2020 15:40

Instrument :

MSVOA_Y

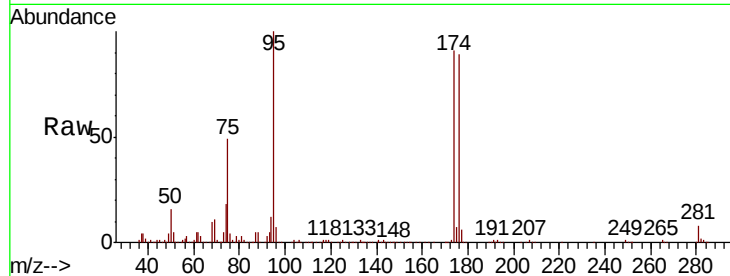
ClientSampleId :

Tot Ion: 75 Resp: 87890

Ion Ratio Lower Upper

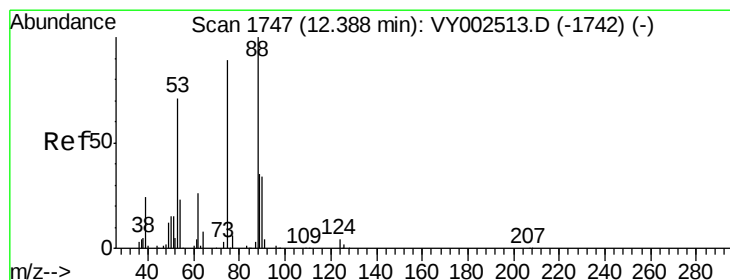
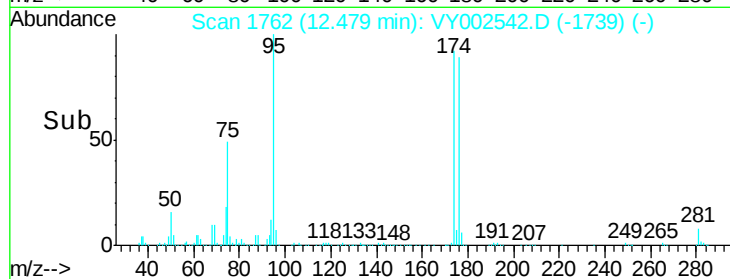
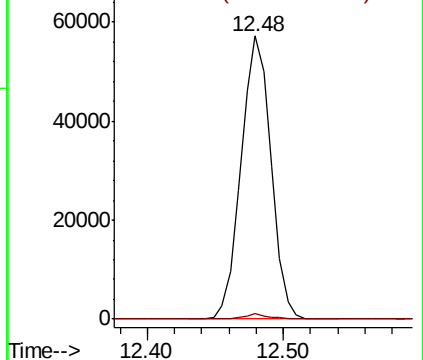
75 100

77 1.5 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: 97.523 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002542.D

Acq: 04 May 2020 15:40

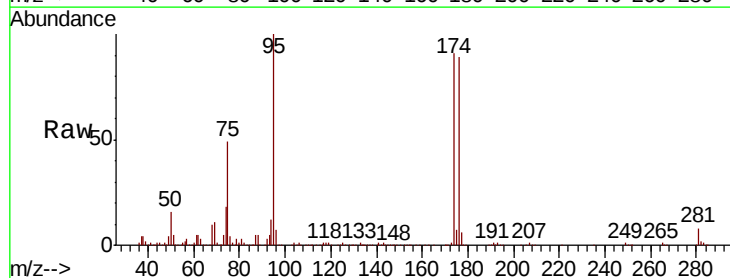
Tgt Ion: 75 Resp: 87890

Ion Ratio Lower Upper

75 100

53 0.2 67.4 101.0#

89 0.3 37.4 56.0#



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

