

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 :
 BP-VPB180-GW-678-680

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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	150304	64.48	ug/l	-0.01
Spiked Amount			Recovery	=	128.96%	
35) Dibromofluoromethane	7.73	113	142957	54.97	ug/l	0.00
Spiked Amount			Recovery	=	109.94%	
50) Toluene-d8	10.18	98	534110	52.59	ug/l	-0.01
Spiked Amount			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.48	95	178284	51.73	ug/l	-0.01
Spiked Amount			Recovery	=	103.46%	

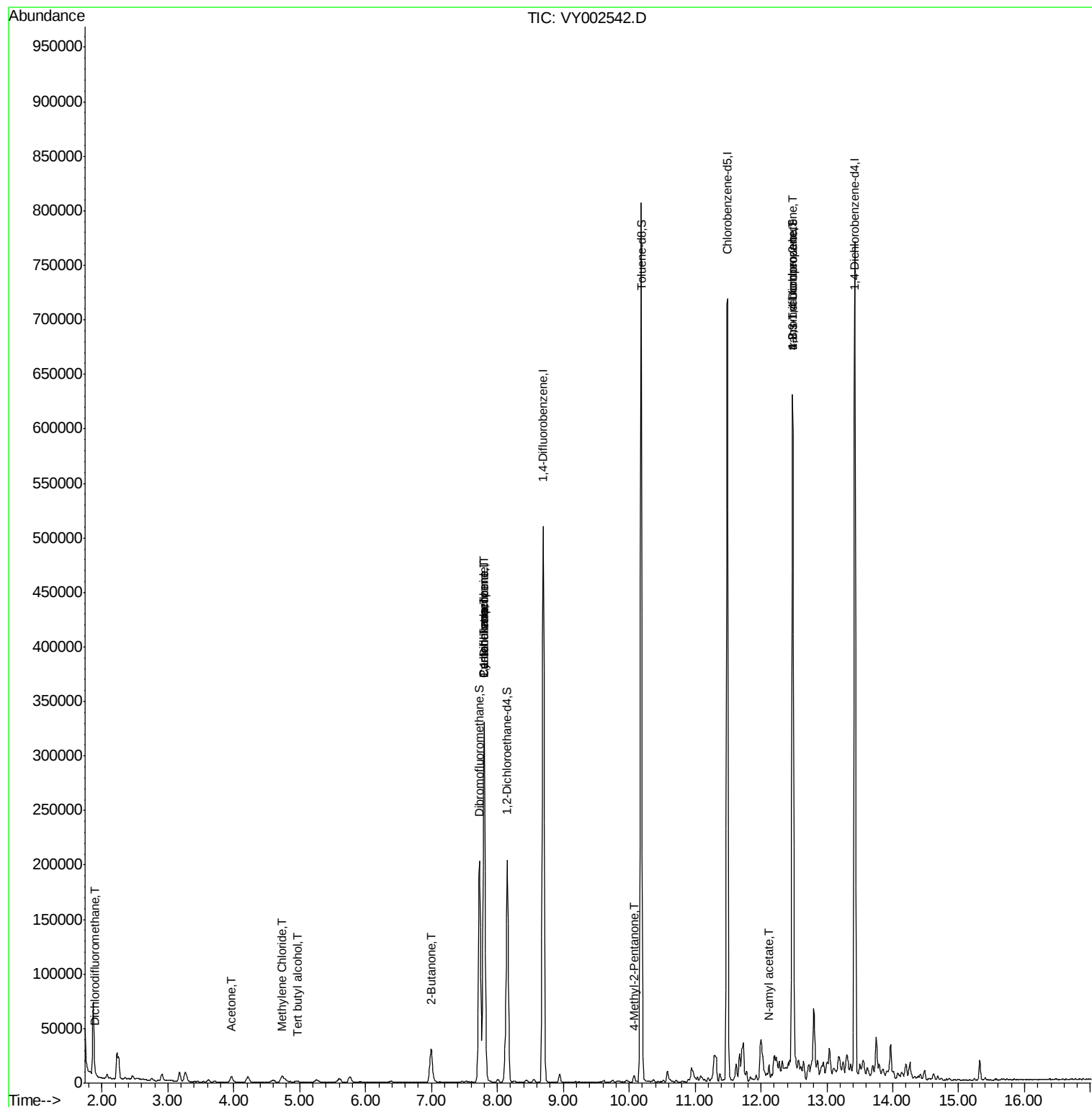
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	388	1.948	ug/l	89
11) Tert butyl alcohol	4.97	59	2142	8.932	ug/l #	81
16) Acetone	3.97	43	9505	19.758	ug/l	95
20) Methylene Chloride	4.73	84	4372	1.625	ug/l	94
25) 2-Butanone	7.00	43	2584	3.281	ug/l #	80
31) Cyclohexane	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

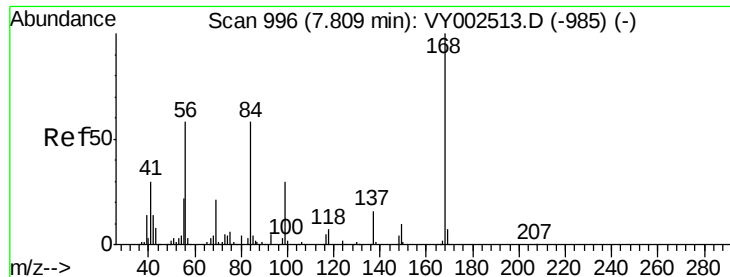
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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 :

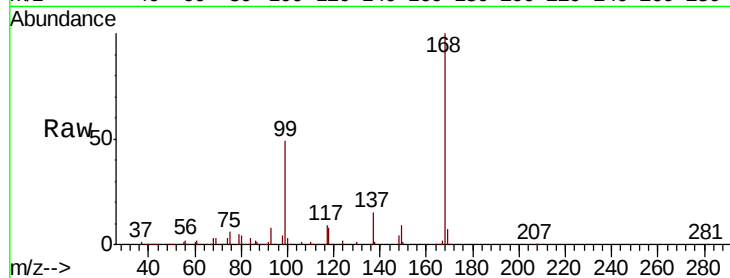
BP-VPB180-GW-678-680

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) (-)

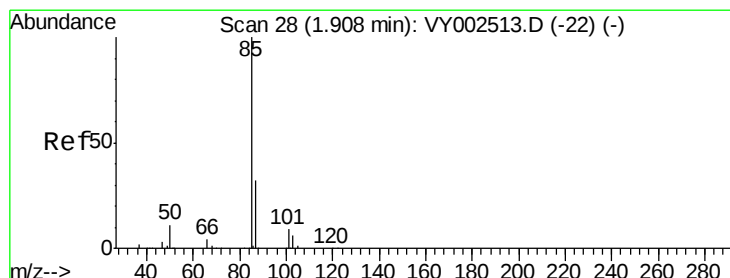
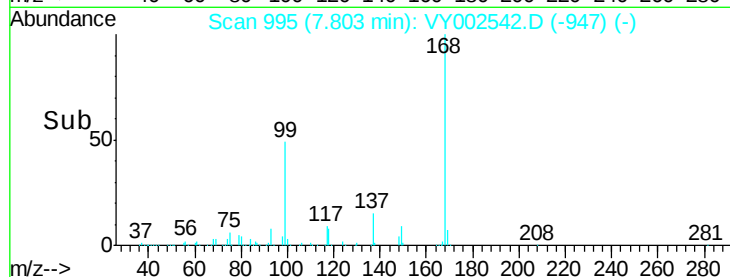
7.80

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

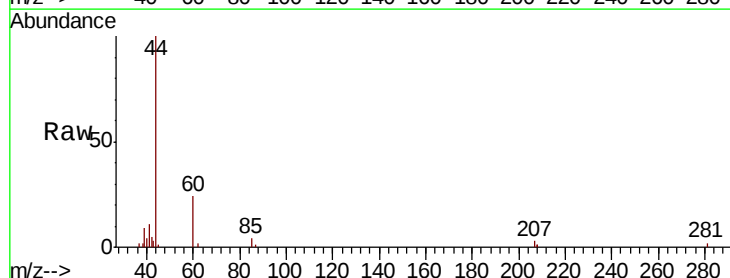
Acq: 04 May 2020 15:40

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

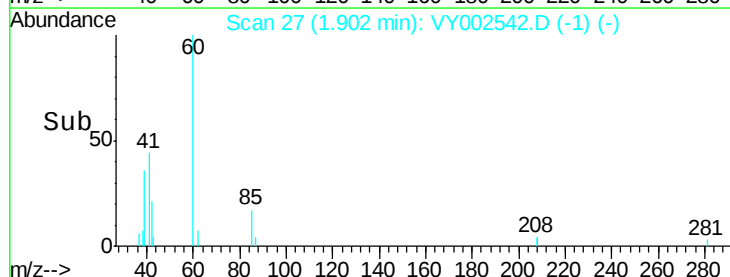
150

100

50

0

Time-->

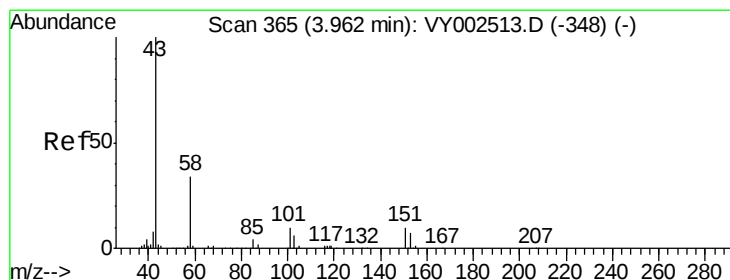
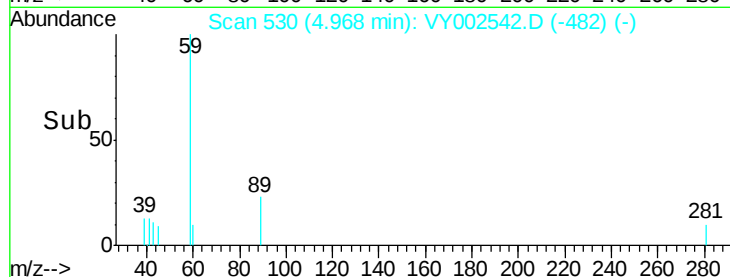
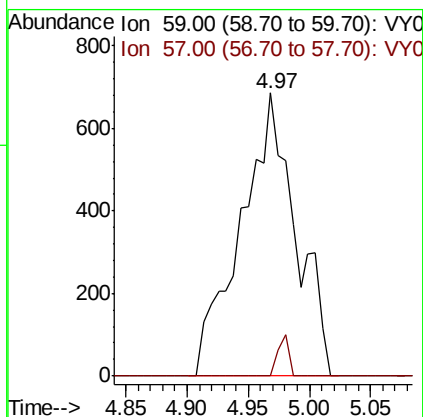
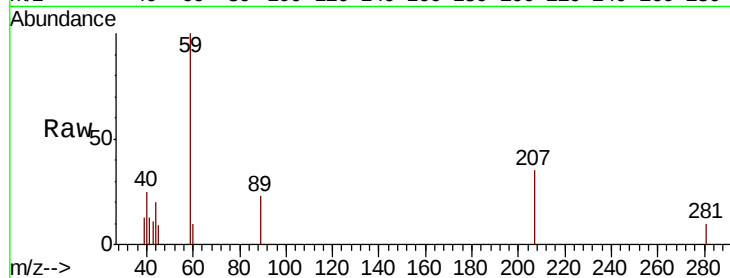




#11
Tert butyl alcohol
Concen: 8.932 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.01 min
Lab File: VY002542.D
Acq: 04 May 2020 15:40

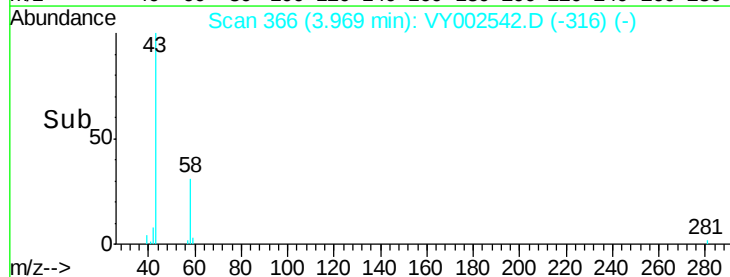
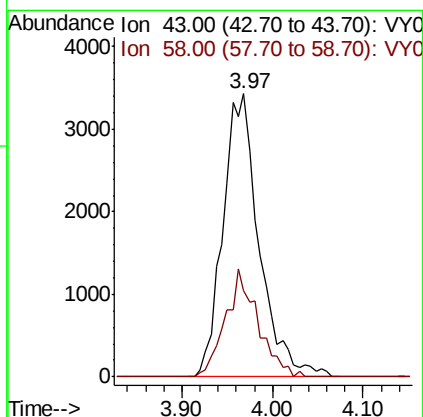
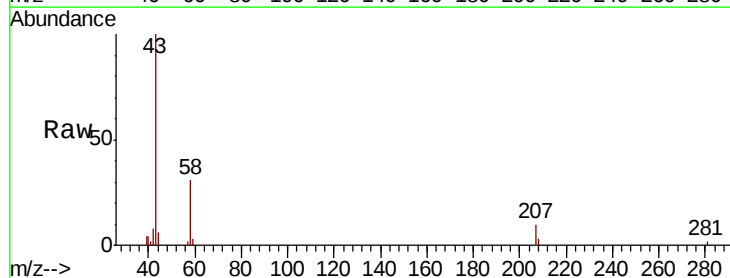
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB180-GW-678-680

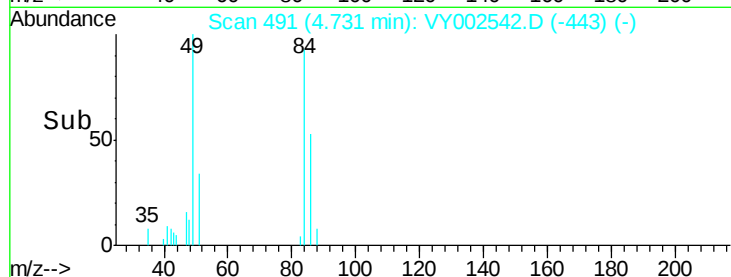
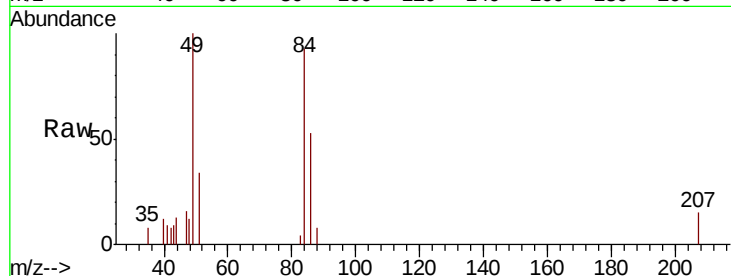
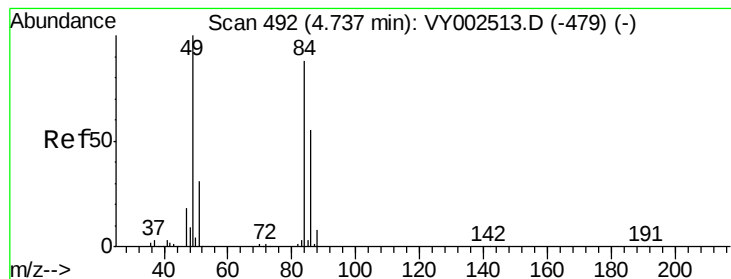
Tot Ion: 59 Resp: 2142
Ion Ratio Lower Upper
59 100
57 2.8 7.8 11.6#



#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

ClientSampleId :

BP-VPB180-GW-678-680

Tot Ion: 84 Resp: 4372

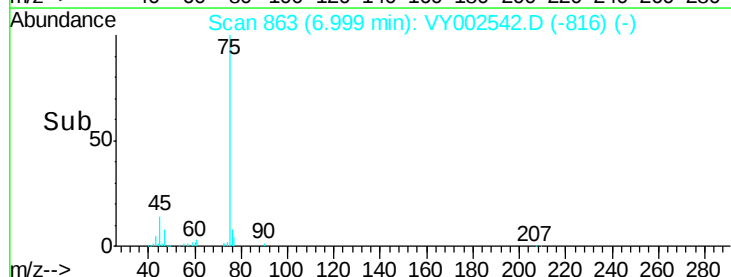
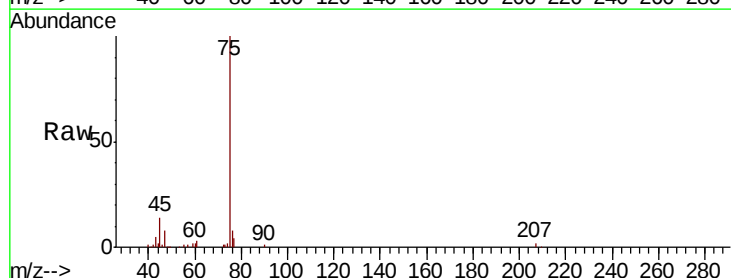
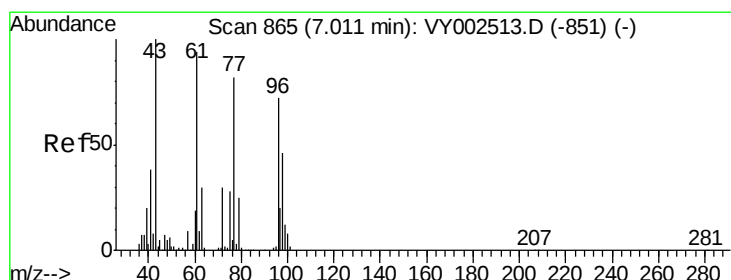
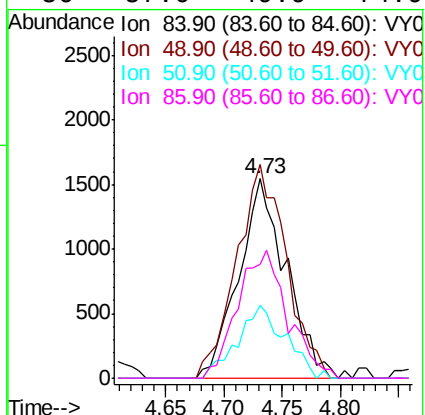
Ion Ratio Lower Upper

84 100

49 107.0 90.5 135.7

51 36.8 28.3 42.5

86 57.0 49.9 74.9



#25

2-Butanone

Concen: 3.281 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002542.D

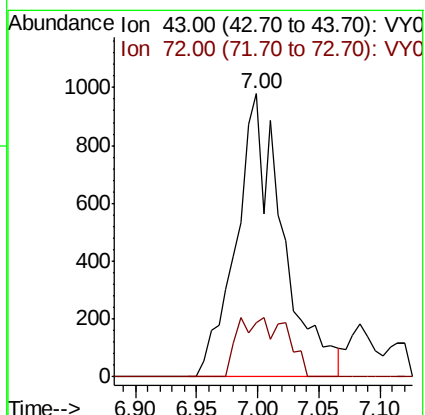
Acq: 04 May 2020 15:40

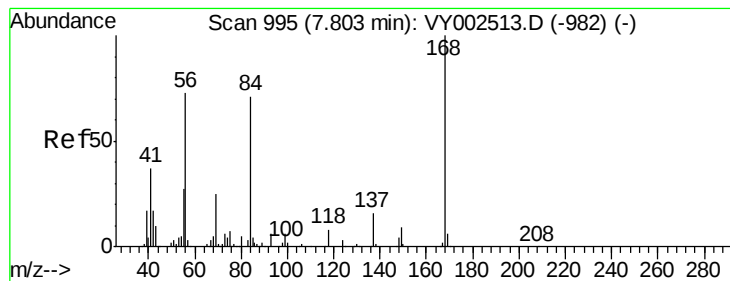
Tgt Ion: 43 Resp: 2584

Ion Ratio Lower Upper

43 100

72 19.3 24.1 36.1#





#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

ClientSampleId :

BP-VPB180-GW-678-680

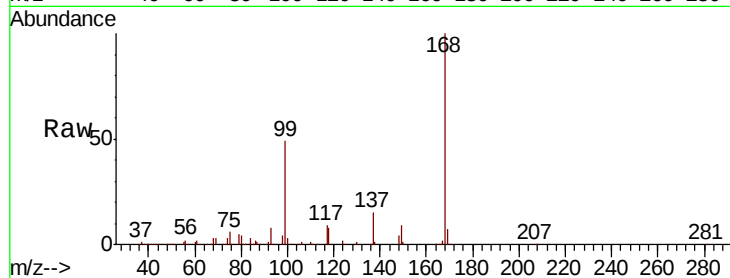
Tot Ion: 56 Resp: 5080

Ion Ratio Lower Upper

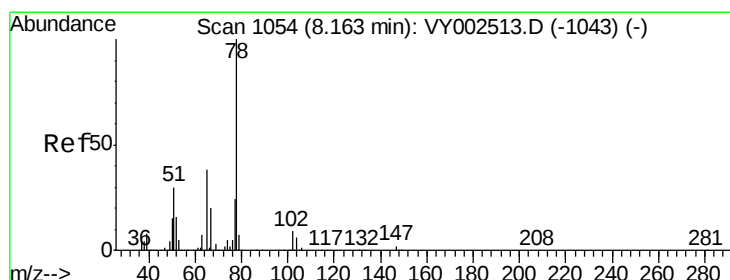
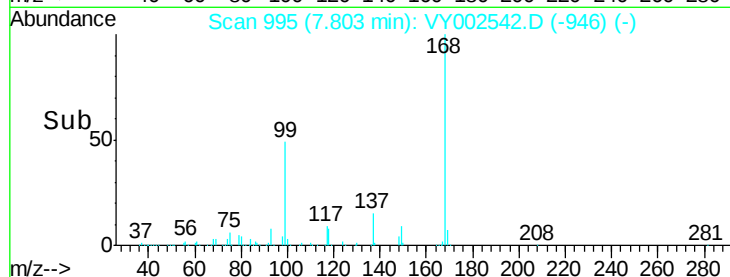
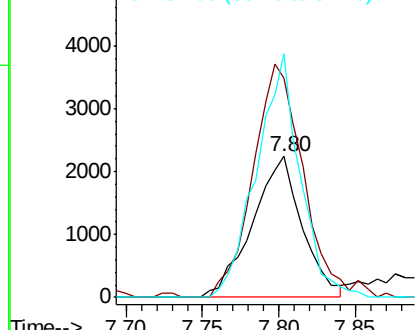
56 100

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

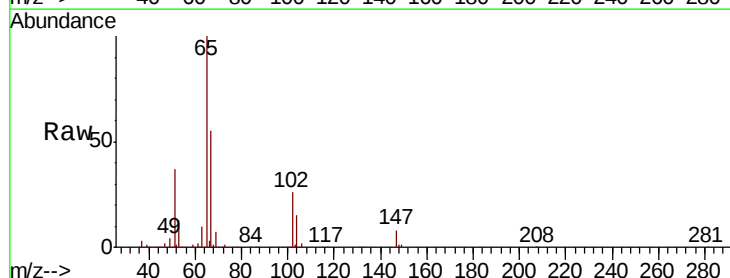
Acq: 04 May 2020 15:40

Tgt Ion: 65 Resp: 150304

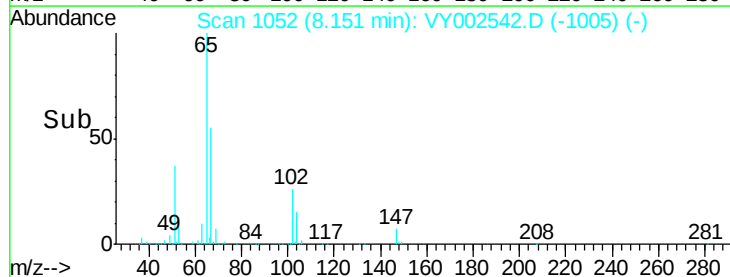
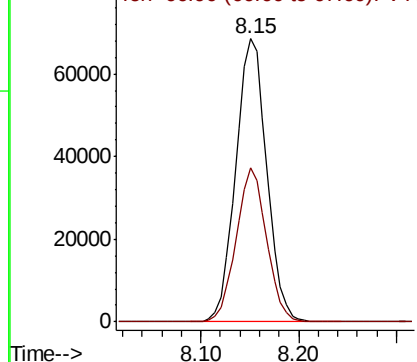
Ion Ratio Lower Upper

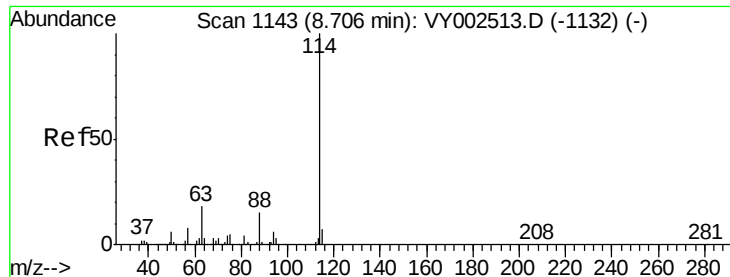
65 100

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

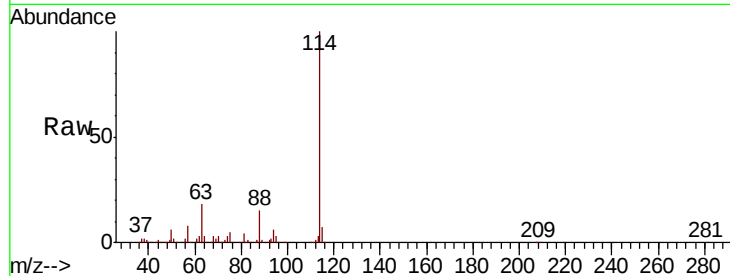




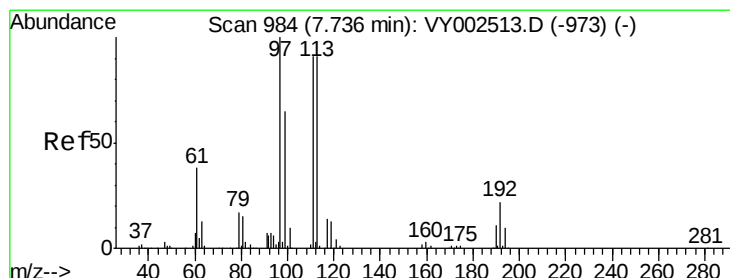
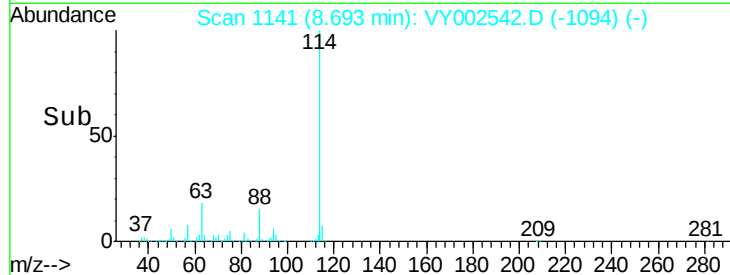
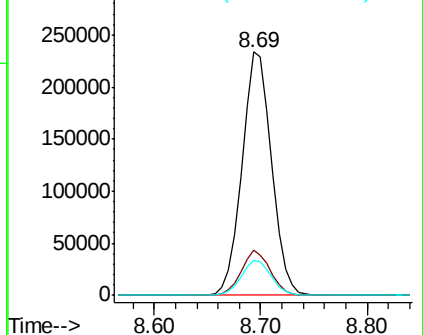
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.69 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VY002542.D
Acq: 04 May 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB180-GW-678-680

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

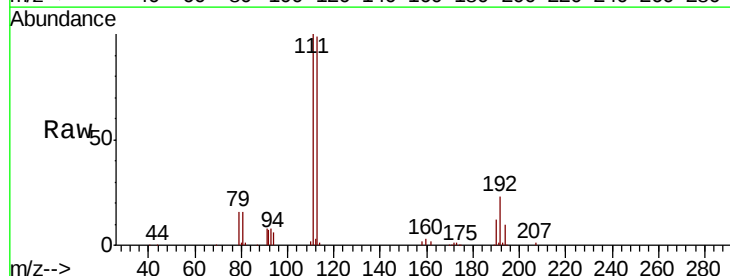


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

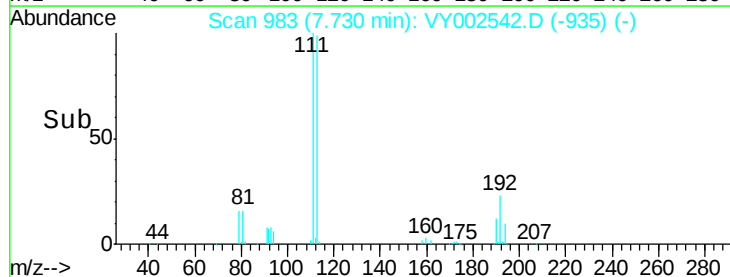
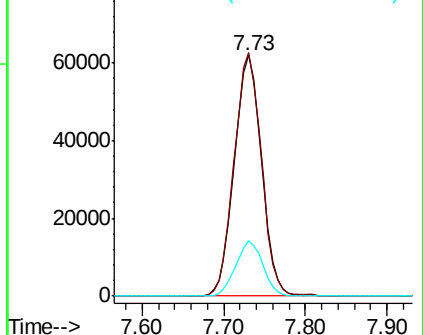


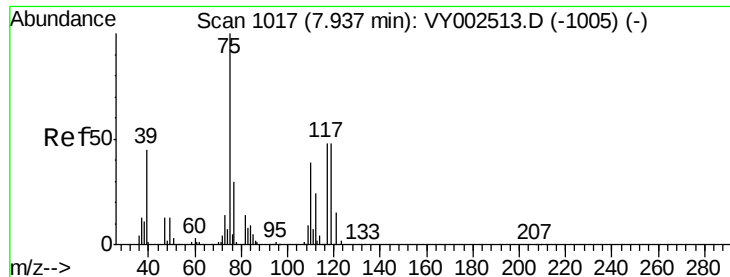
#35
Dibromofluoromethane
Concen: 54.966 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.01 min
Lab File: VY002542.D
Acq: 04 May 2020 15:40

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

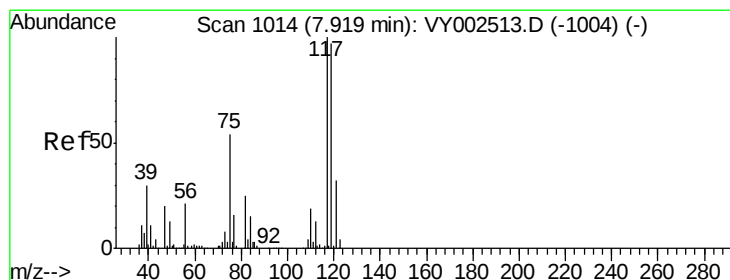
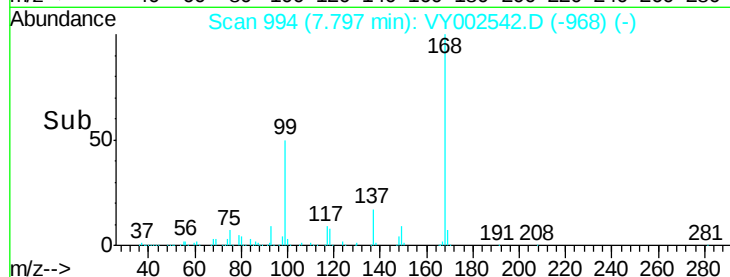
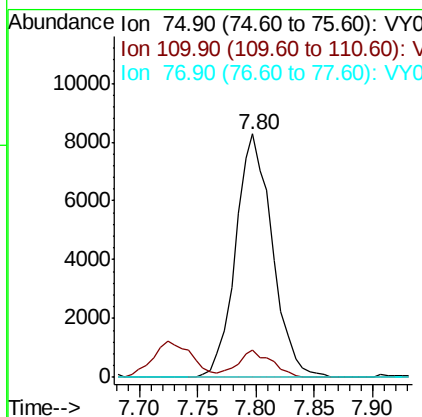
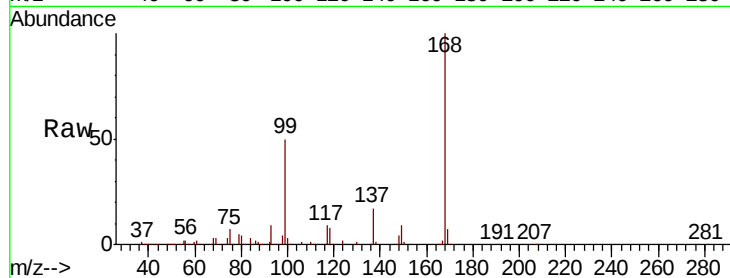




#36
 1,1-Dichloropropene
 Concen: 4.744 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002542.D
 Acq: 04 May 2020 15:40

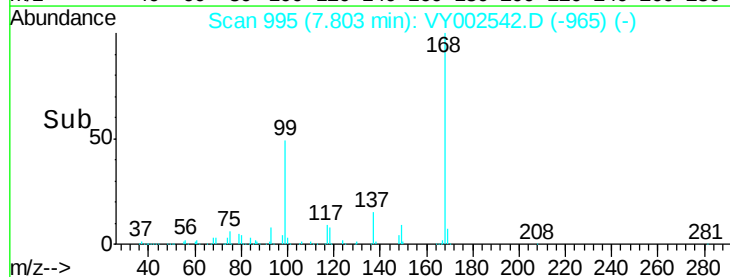
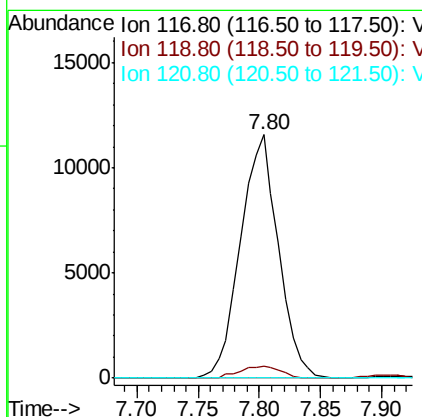
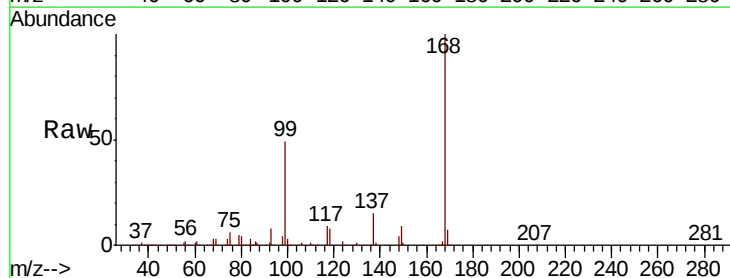
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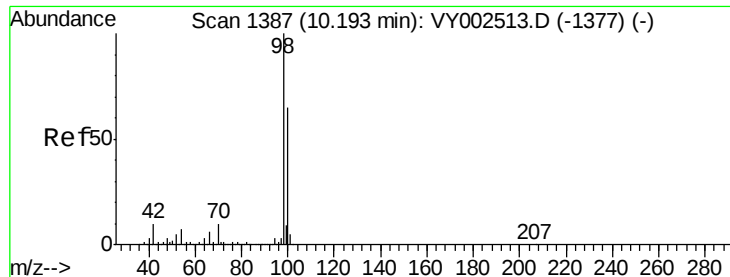
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.2	19.1	57.3#
77	0.0	24.6	37.0#



#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	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 :

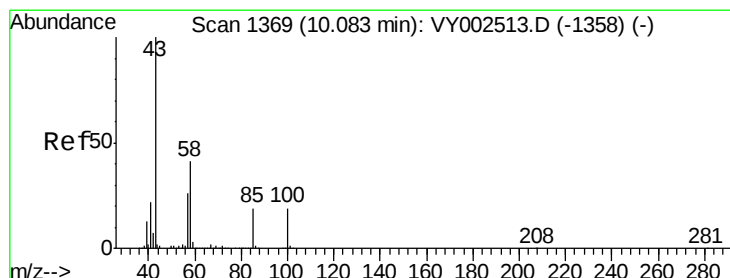
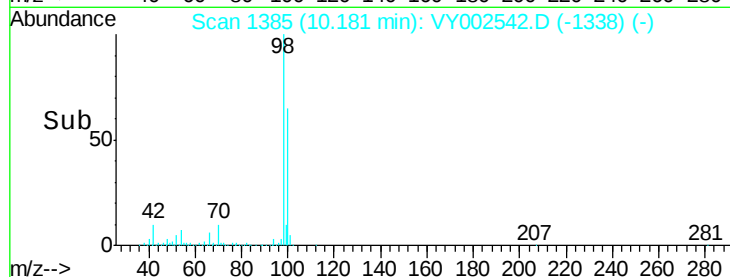
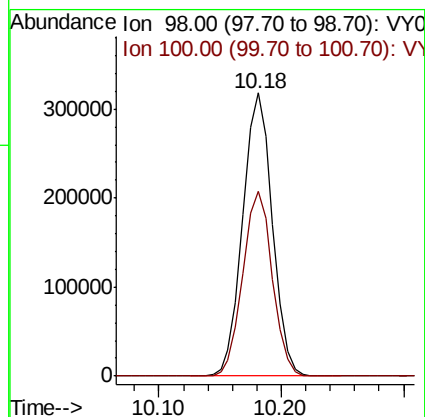
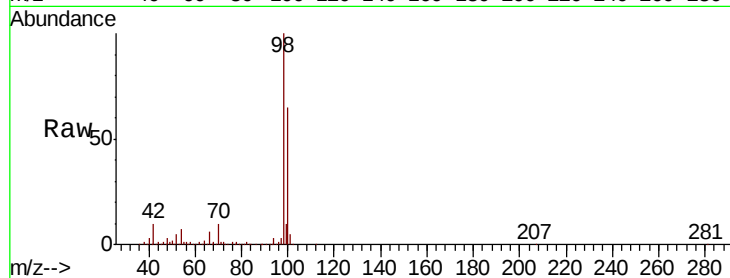
BP-VPB180-GW-678-680

Tot Ion: 98 Resp: 534110

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



#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

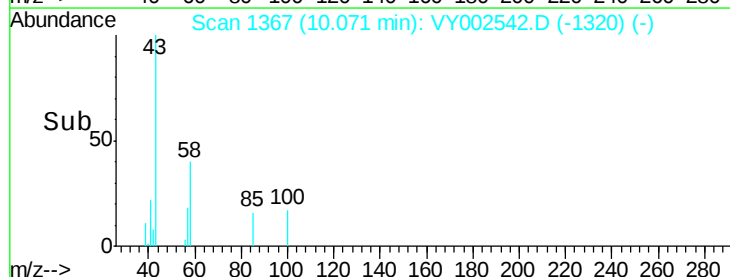
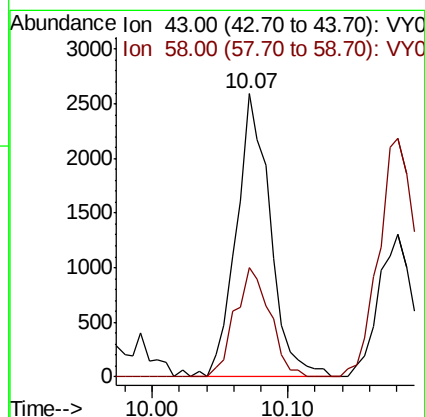
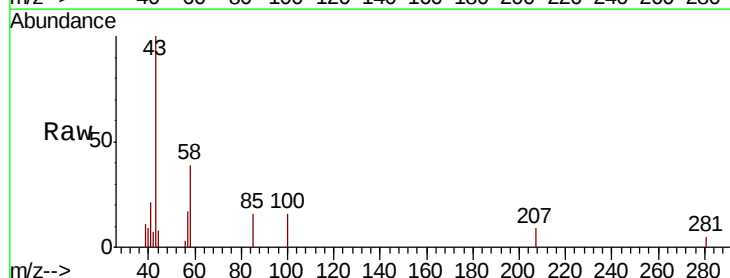
Acq: 04 May 2020 15:40

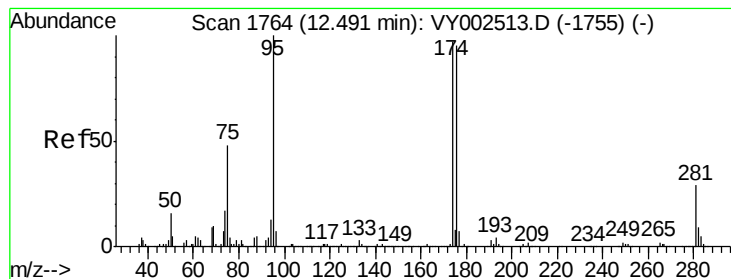
Tgt Ion: 43 Resp: 4522

Ion Ratio Lower Upper

43 100

58 39.8 33.2 49.8





#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 :

BP-VPB180-GW-678-680

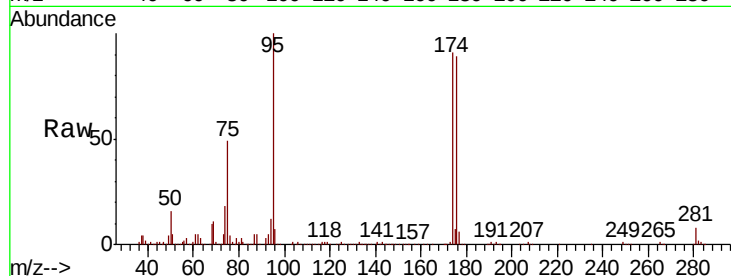
Tot Ion: 95 Resp: 178284

Ion Ratio Lower Upper

95 100

174 93.8 0.0 188.8

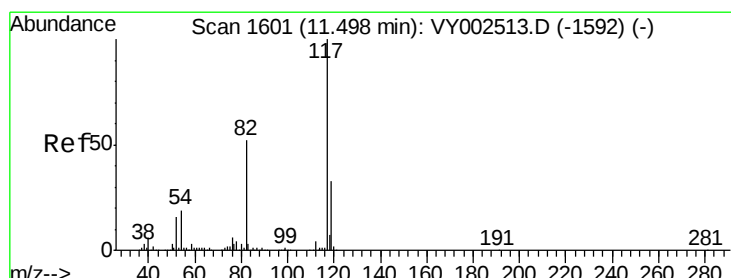
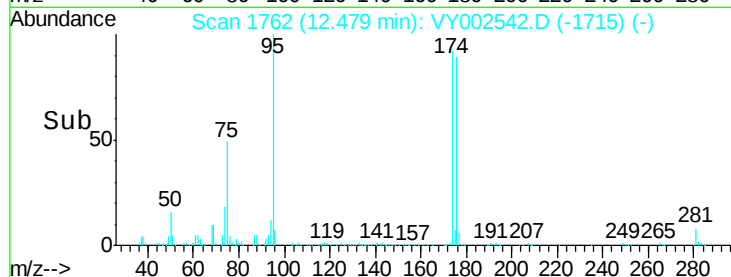
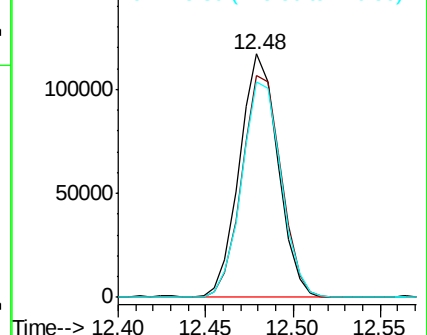
176 91.1 0.0 183.2



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

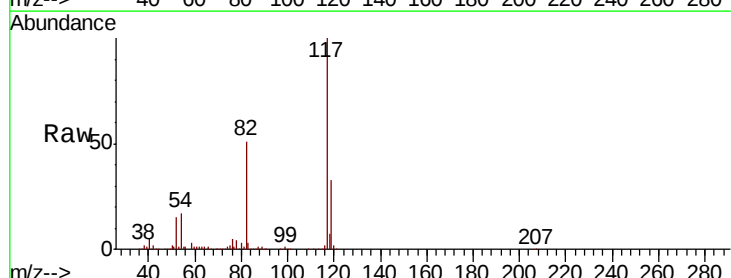
Tgt Ion: 117 Resp: 418698

Ion Ratio Lower Upper

117 100

82 50.9 41.3 61.9

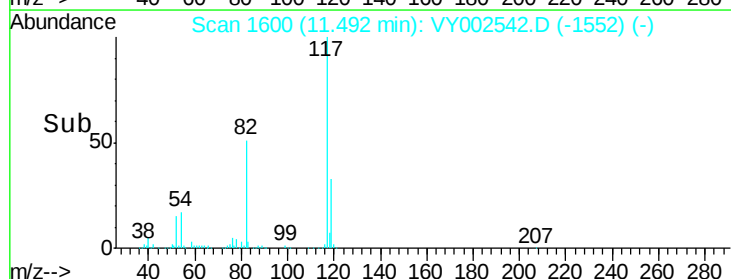
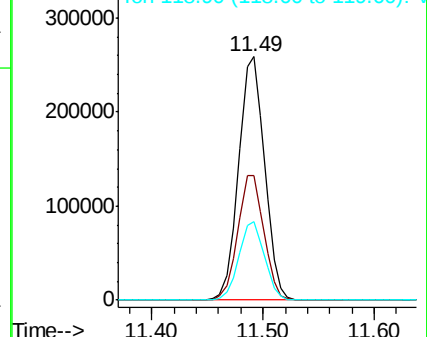
119 32.5 26.0 39.0

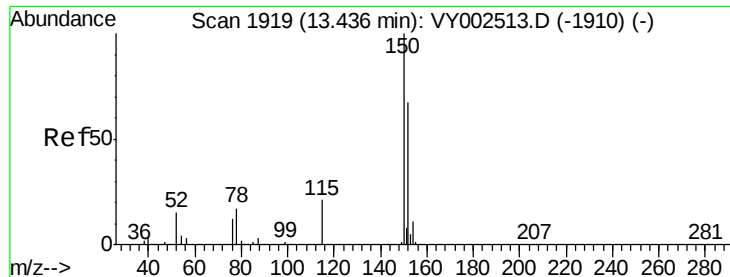


Abundance Ion 116.90 (116.60 to 117.60): VY002513.D (-1592) (-)

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

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



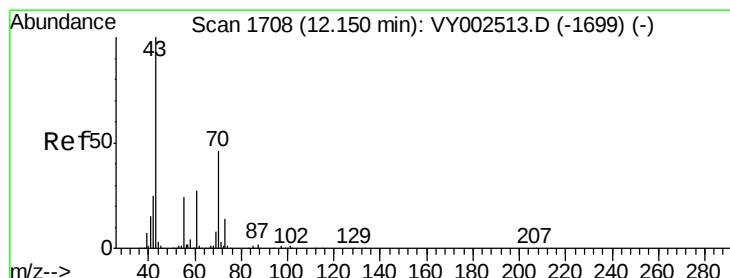
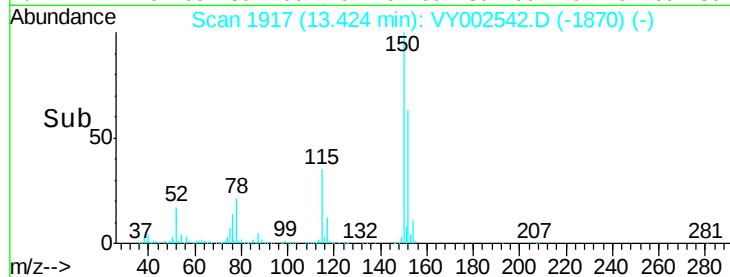
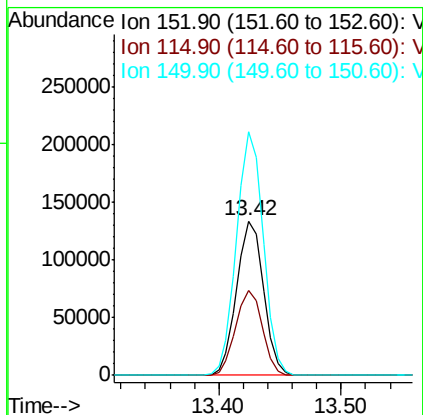
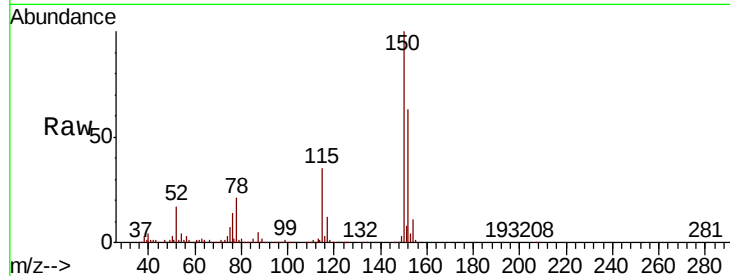


#72

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
ClientSampleId :
BP-VPB180-GW-678-680

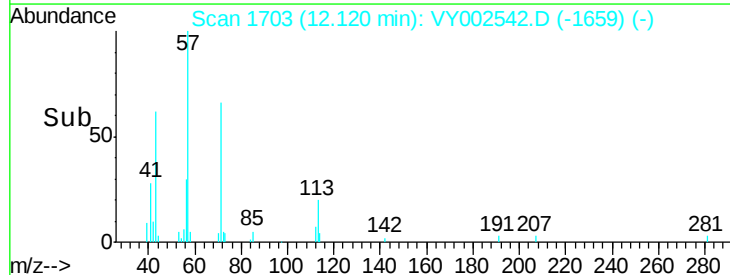
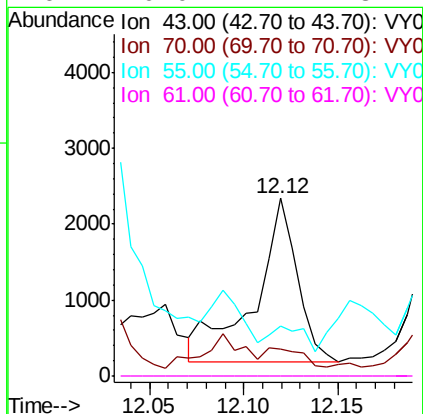
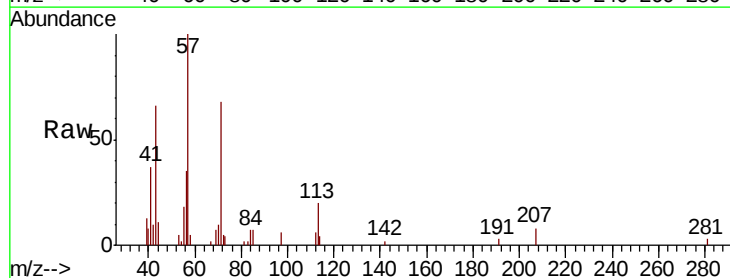
Tot Ion:152 Resp: 203352
Ion Ratio Lower Upper
152 100
115 55.0 27.5 82.4
150 157.3 0.0 346.4

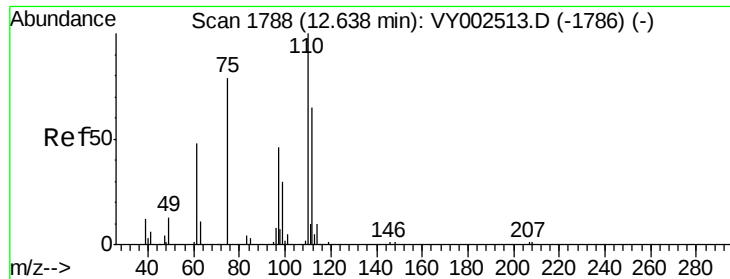


#74

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: 43 Resp: 3422
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#

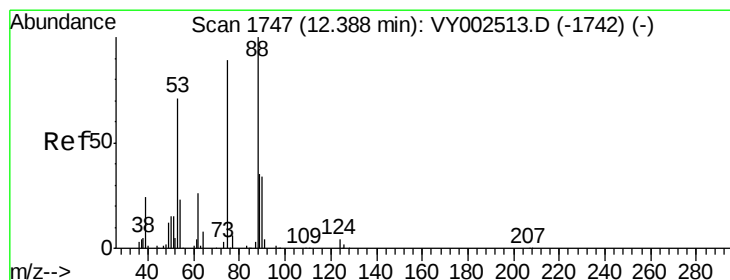
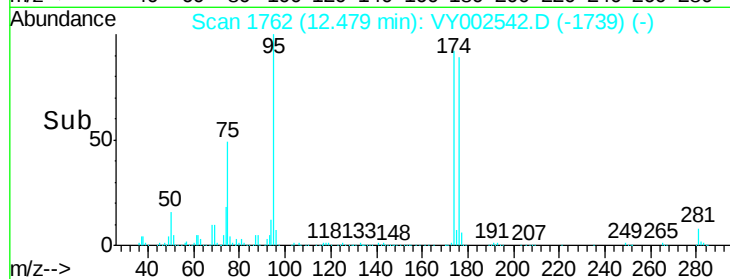
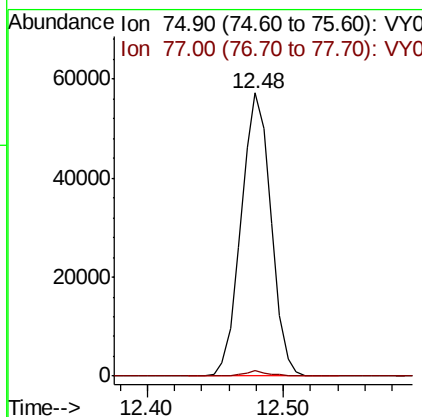
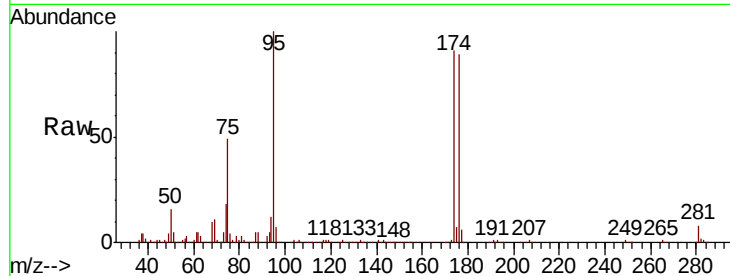




#76
 1,2,3-Trichloropropane
 Concen: 48.635 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.16 min
 Lab File: VY002542.D
 Acq: 04 May 2020 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB180-GW-678-680

Tot Ion: 75 Resp: 87890
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#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#

