

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002533.D
 Acq On : 04 May 2020 12:19
 Operator : SY/MD
 Sample : L2441-01RE
 Misc : 5.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RECOVERED-CRUSH-AGGREGAT

Quant Time: May 05 07:04:30 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	281686	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	456840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	410554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	201318	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	141547	59.76	ug/l	-0.01
Spiked Amount			Recovery	=	119.52%	
35) Dibromofluoromethane	7.73	113	139849	53.53	ug/l	0.00
Spiked Amount			Recovery	=	107.06%	
50) Toluene-d8	10.18	98	529810	51.93	ug/l	-0.01
Spiked Amount			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.48	95	175564	50.71	ug/l	-0.01
Spiked Amount			Recovery	=	101.42%	

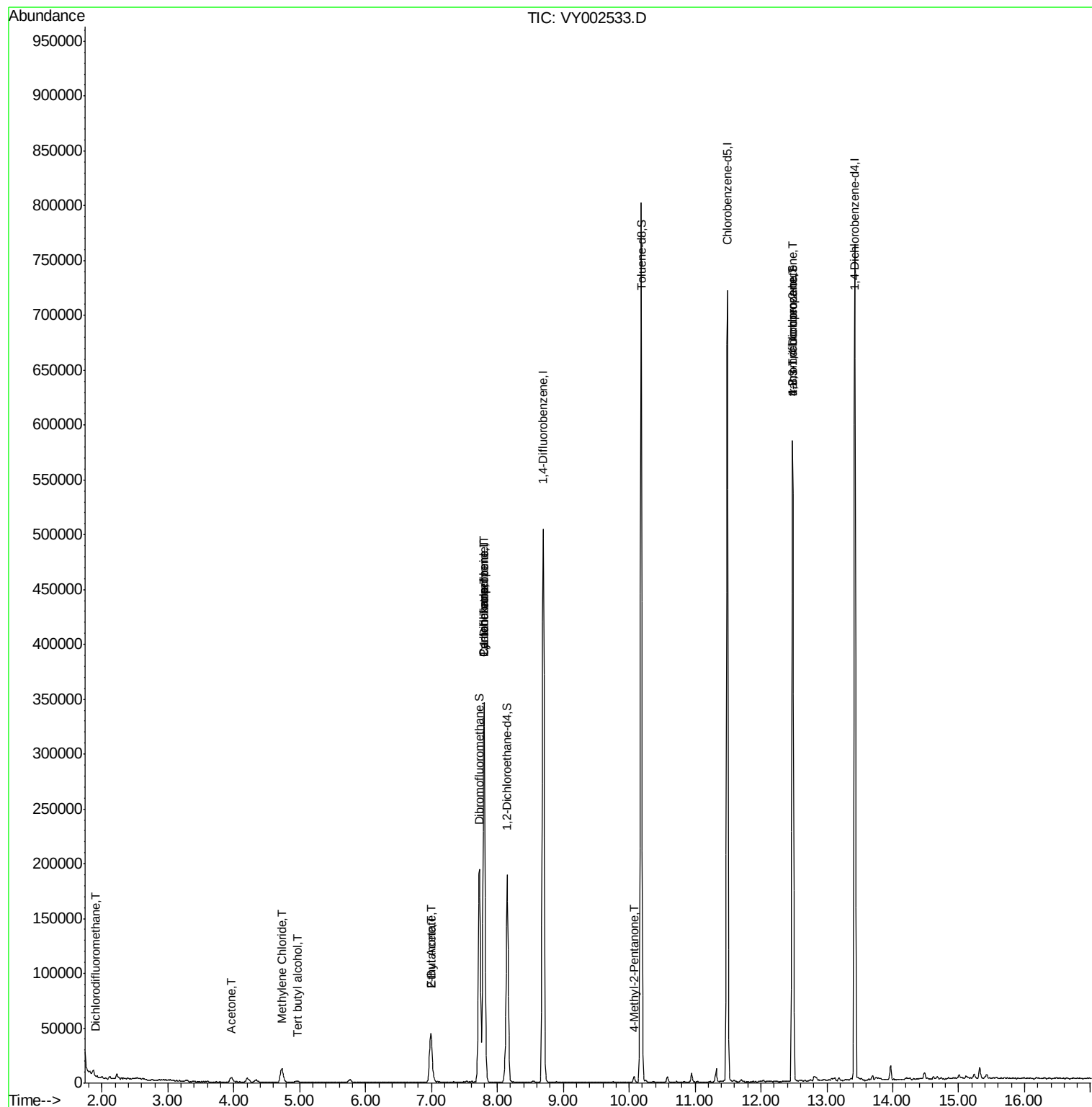
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	331	1.922	ug/l #	43
11) Tert butyl alcohol	4.97	59	1380	5.663	ug/l #	74
16) Acetone	3.96	43	7985	16.336	ug/l #	87
20) Methylene Chloride	4.73	84	9822	3.593	ug/l	99
25) 2-Butanone	7.00	43	3148	3.934	ug/l #	73
31) Cyclohexane	7.80	56	4560	1.071	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	18556	4.845	ug/l #	49
37) Ethyl Acetate	7.00	43	3148	1.600	ug/l #	23
38) Carbon Tetrachloride	7.80	117	25838	6.180	ug/l #	16
51) 4-Methyl-2-Pentanone	10.07	43	3561	1.873	ug/l	98
76) 1,2,3-Trichloropropane	12.48	75	85134	47.586	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	85134	95.420	ug/l #	15

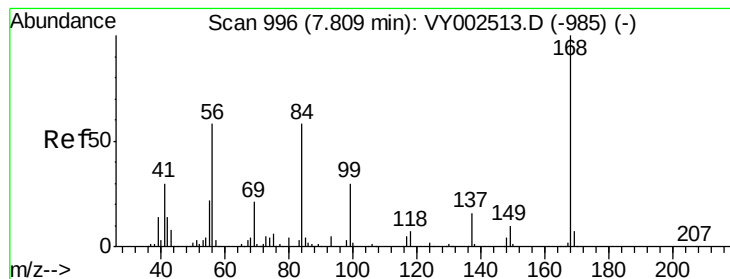
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002533.D

Acq: 04 May 2020 12:19

Instrument :

MSVOA_Y

ClientSampleId :

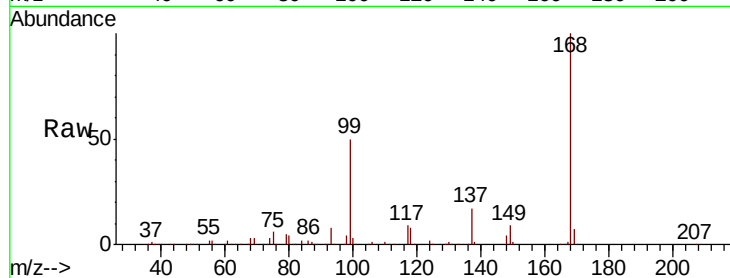
RECOVERED-CRUSH-AGGREGAT

Tot Ion:168 Resp: 281686

Ion Ratio Lower Upper

168 100

99 50.2 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

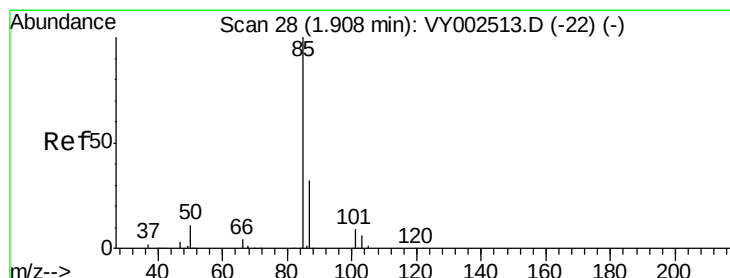
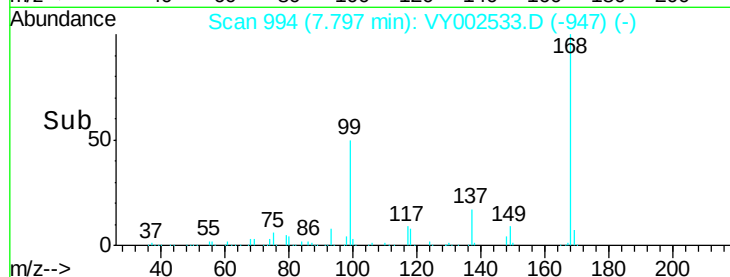
150000

100000

50000

0

Time--> 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 1.922 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002533.D

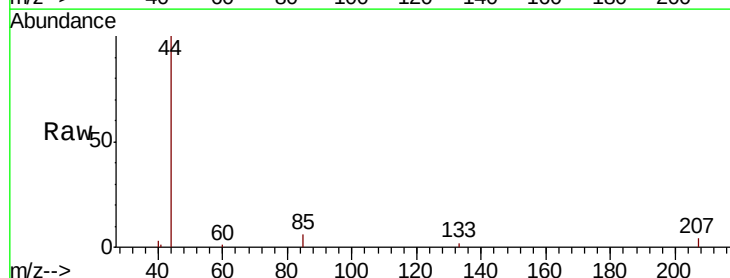
Acq: 04 May 2020 12:19

Tgt Ion: 85 Resp: 331

Ion Ratio Lower Upper

85 100

87 0.0 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) (-)

1.91

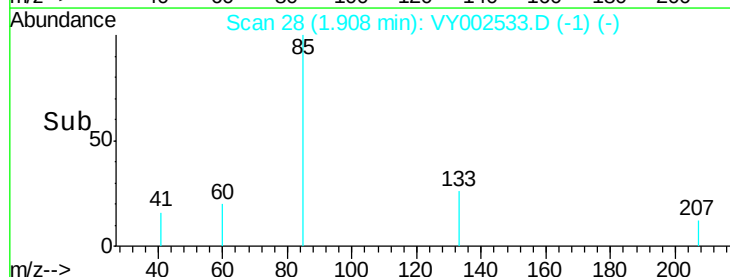
300

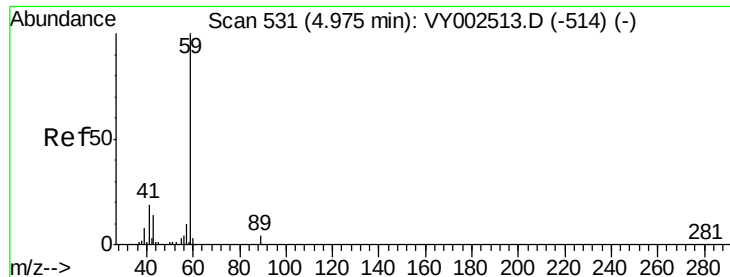
200

100

0

Time--> 1.86 1.88 1.90 1.92 1.94



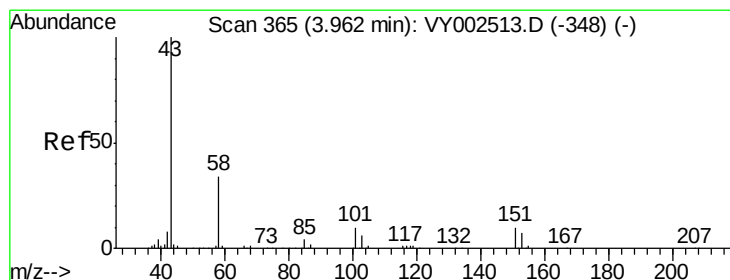
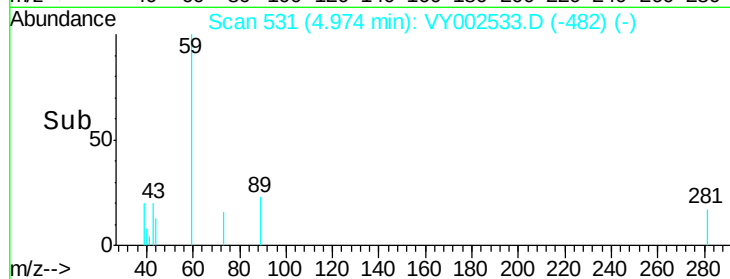
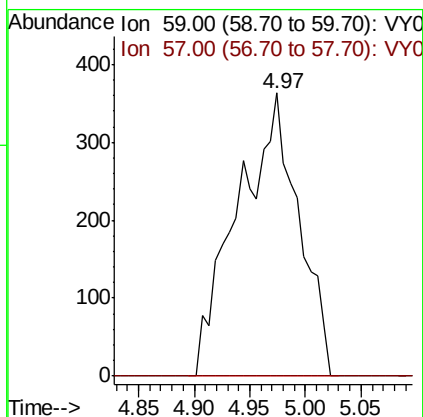
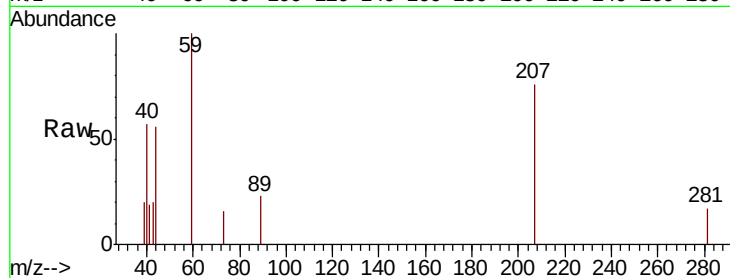


#11

Tert butyl alcohol
 Concen: 5.663 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VY002533.D
 Acq: 04 May 2020 12:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 RECOVERED-CRUSH-AGGREGAT

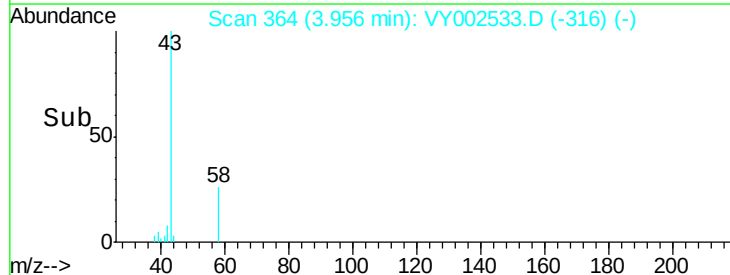
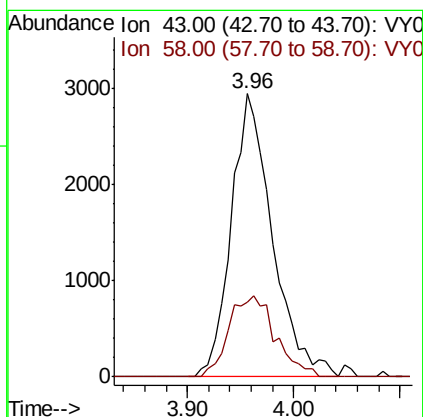
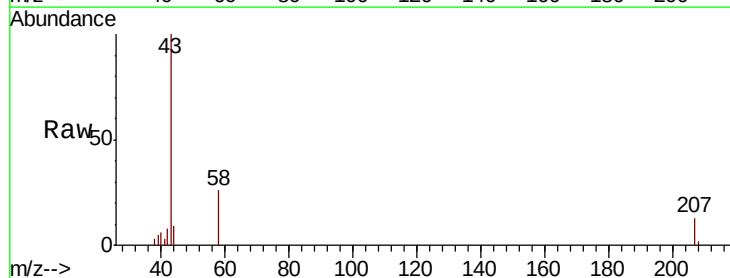
Tot Ion: 59 Resp: 1380
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

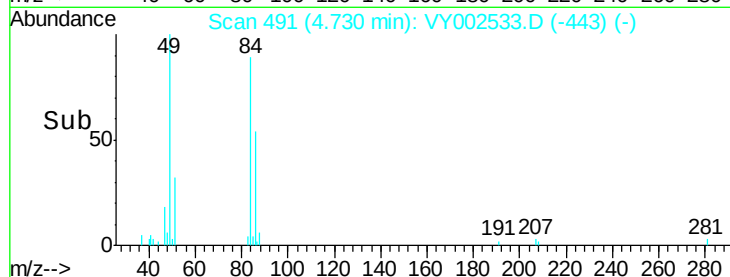
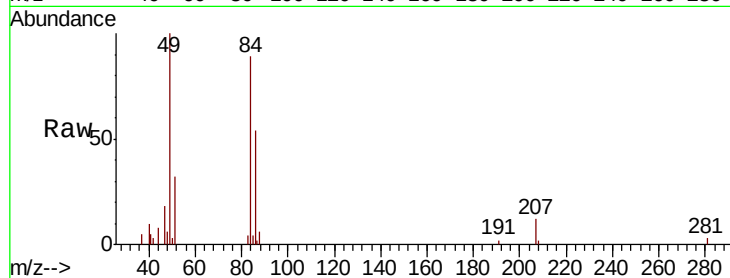
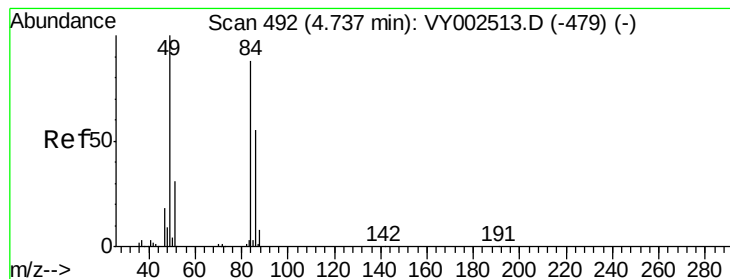


#16

Acetone
 Concen: 16.336 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VY002533.D
 Acq: 04 May 2020 12:19

Tgt Ion: 43 Resp: 7985
 Ion Ratio Lower Upper
 43 100
 58 26.3 26.9 40.3#





#20

Methylene Chloride

Concen: 3.593 ug/l

RT: 4.73 min Scan# 491

Delta R.T. -0.01 min

Lab File: VY002533.D

Acq: 04 May 2020 12:19

Instrument :

MSVOA_Y

ClientSampleId :

RECOVERED-CRUSH-AGGREGAT

Tot Ion: 84 Resp: 9822

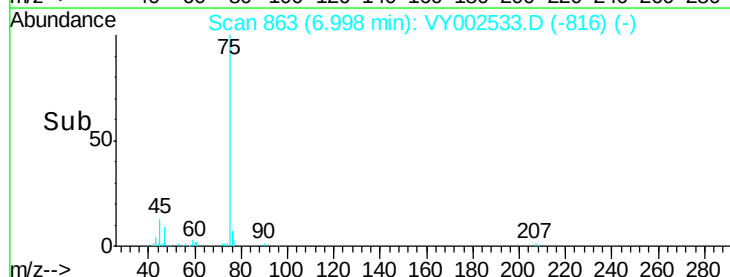
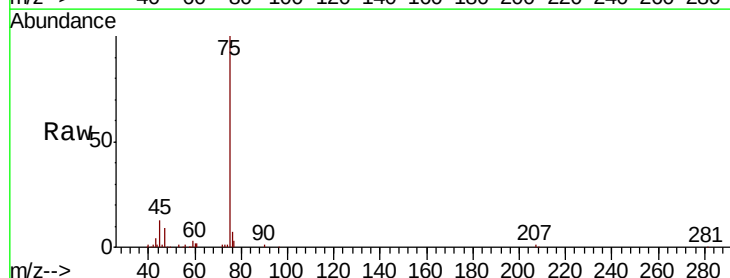
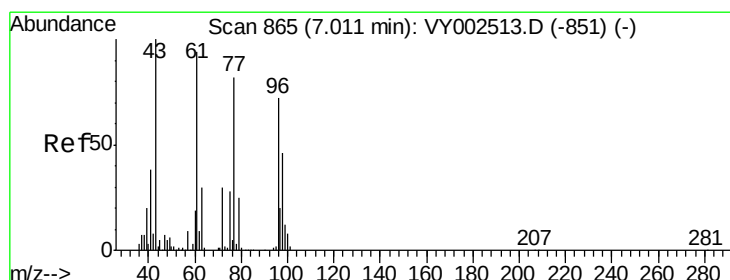
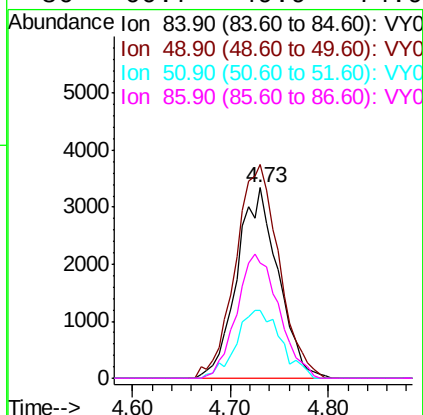
Ion Ratio Lower Upper

84 100

49 112.2 90.5 135.7

51 35.9 28.3 42.5

86 60.7 49.9 74.9



#25

2-Butanone

Concen: 3.934 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002533.D

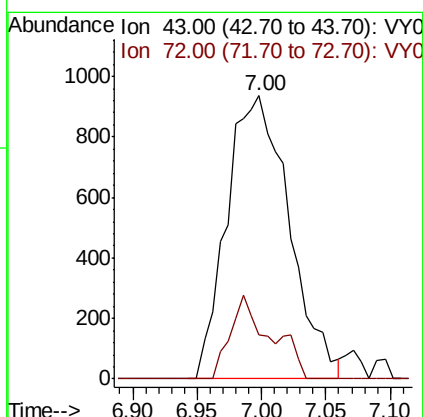
Acq: 04 May 2020 12:19

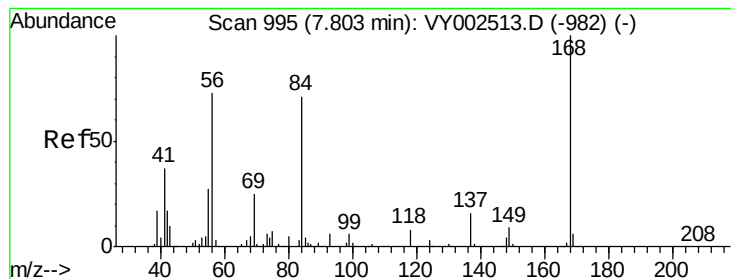
Tgt Ion: 43 Resp: 3148

Ion Ratio Lower Upper

43 100

72 15.7 24.1 36.1#





#31

Cyclohexane

Concen: 1.071 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002533.D

Acq: 04 May 2020 12:19

Instrument :

MSVOA_Y

ClientSampleId :

RECOVERED-CRUSH-AGGREGAT

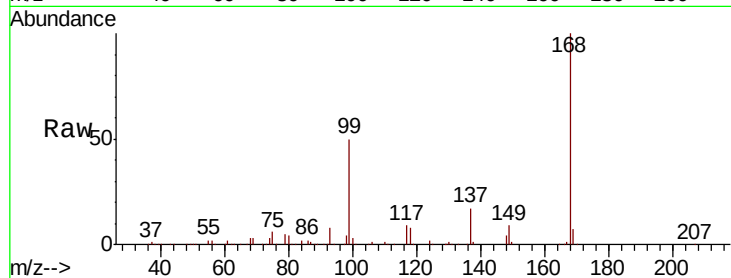
Tot Ion: 56 Resp: 4560

Ion Ratio Lower Upper

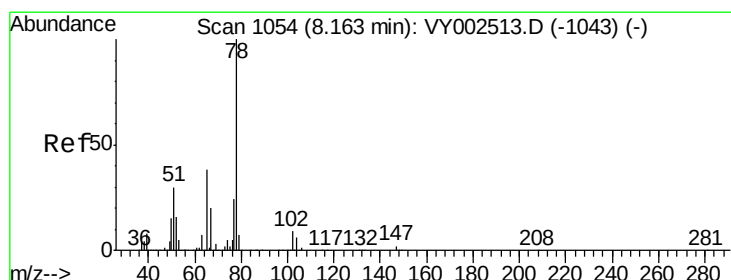
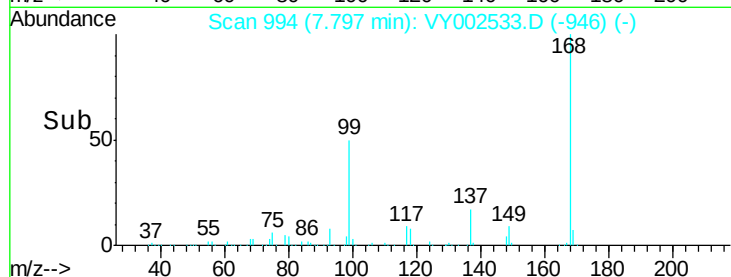
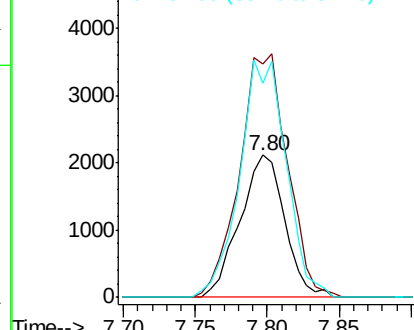
56 100

69 164.5 27.6 41.4#

84 150.4 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: 59.763 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002533.D

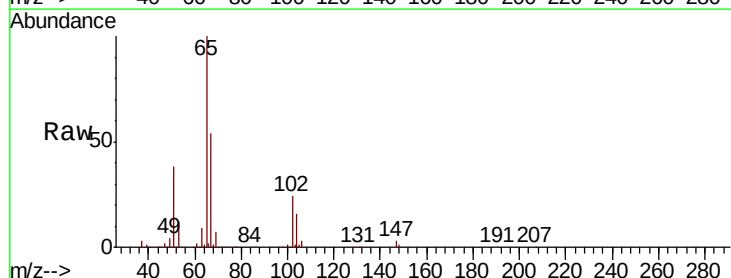
Acq: 04 May 2020 12:19

Tgt Ion: 65 Resp: 141547

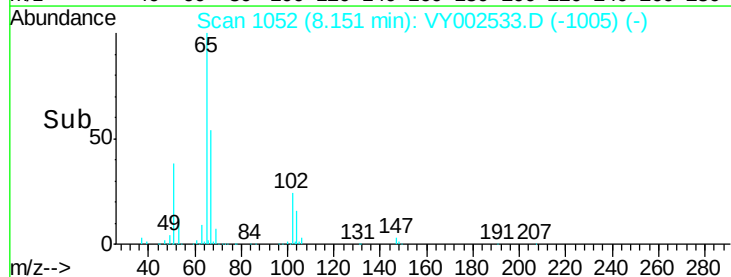
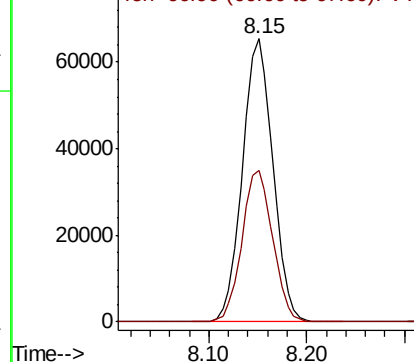
Ion Ratio Lower Upper

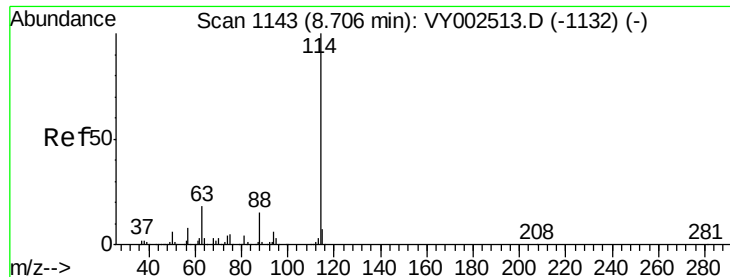
65 100

67 54.2 0.0 107.2



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

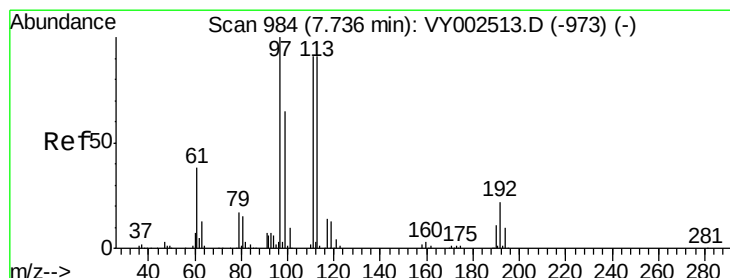
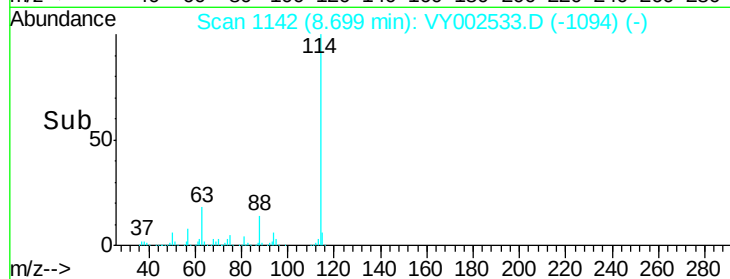
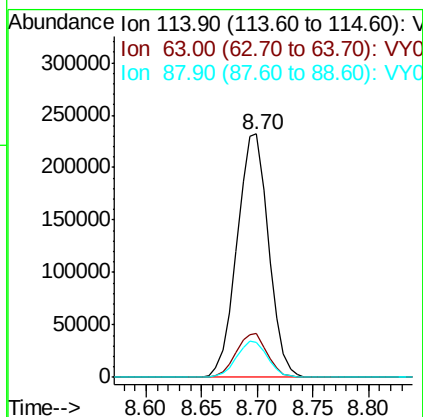
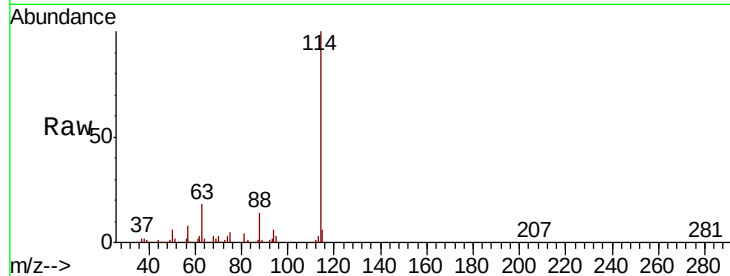




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002533.D
 Acq: 04 May 2020 12:19

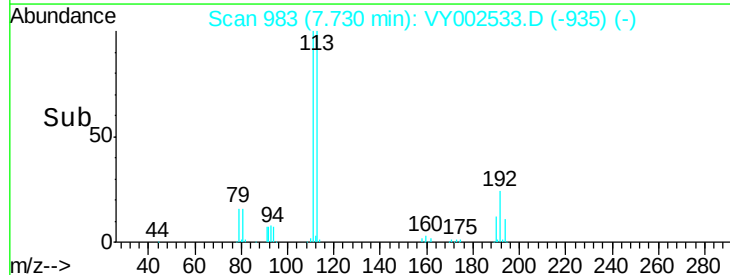
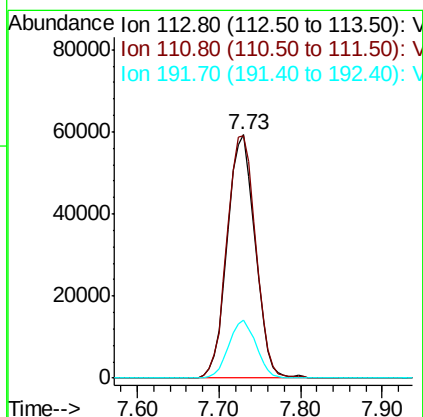
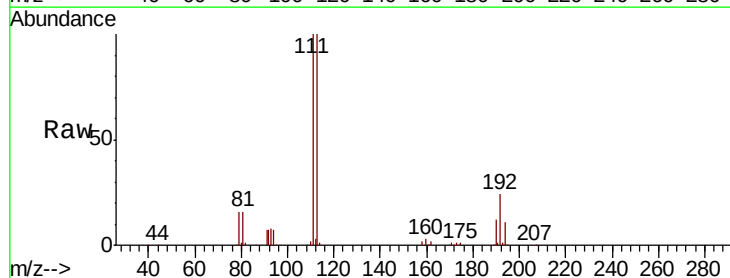
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 RECOVERED-CRUSH-AGGREGAT

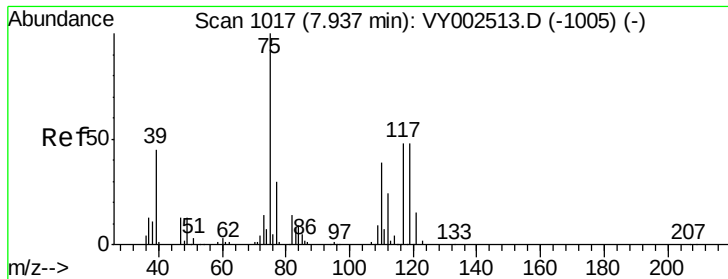
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	36.4
88	14.1	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 53.527 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002533.D
 Acq: 04 May 2020 12:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.6
192	23.3	18.2	27.4

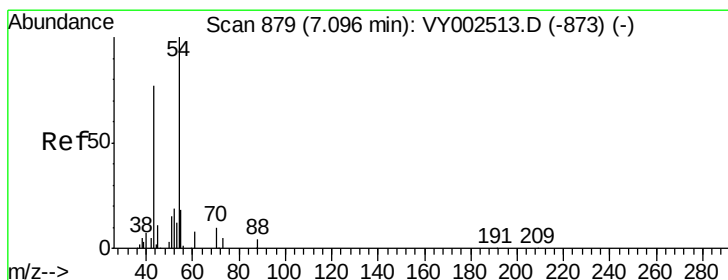
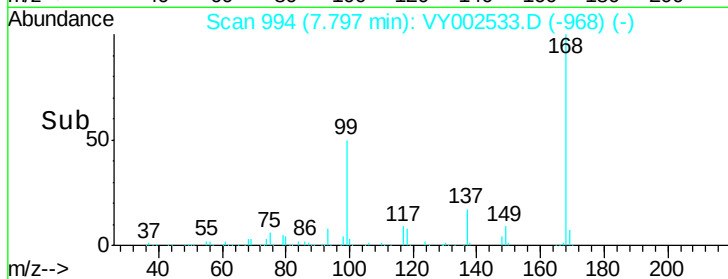
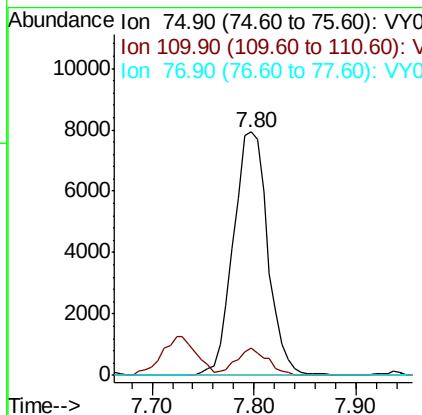
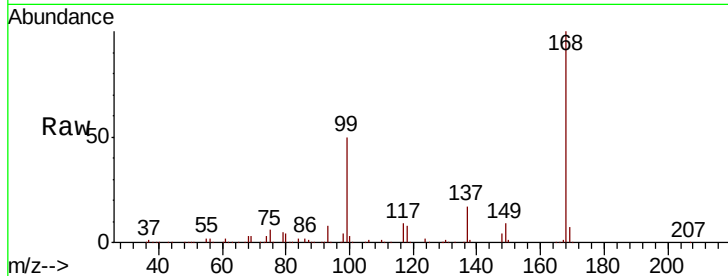




#36
 1,1-Dichloropropene
 Concen: 4.845 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002533.D
 Acq: 04 May 2020 12:19

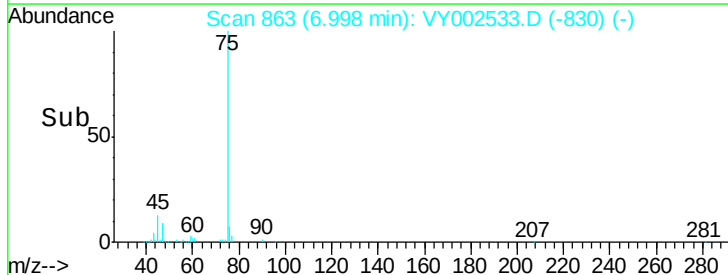
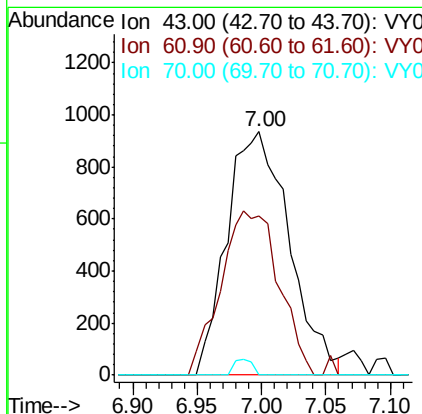
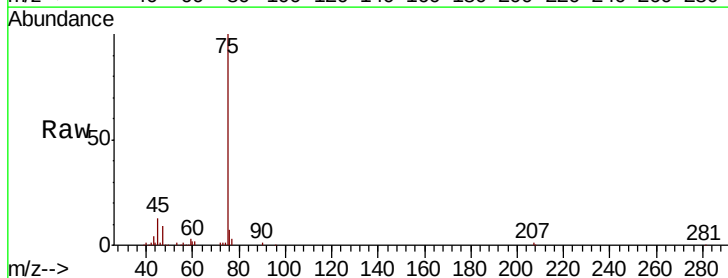
Instrument :
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 RECOVERED-CRUSH-AGGREGAT

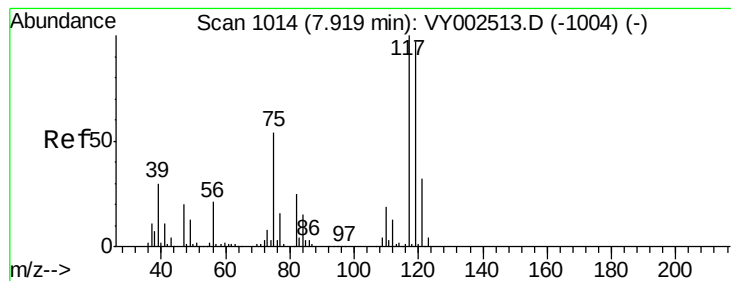
Tot Ion: 75 Resp: 18556
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.1 57.3#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 1.600 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.10 min
 Lab File: VY002533.D
 Acq: 04 May 2020 12:19

Tgt Ion: 43 Resp: 3148
 Ion Ratio Lower Upper
 43 100
 61 62.8 11.6 17.4#
 70 2.0 9.0 13.6#





#38

Carbon Tetrachloride

Concen: 6.180 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY002533.D

Acq: 04 May 2020 12:19

Instrument :

MSVOA_Y

ClientSampleId :

RECOVERED-CRUSH-AGGREGAT

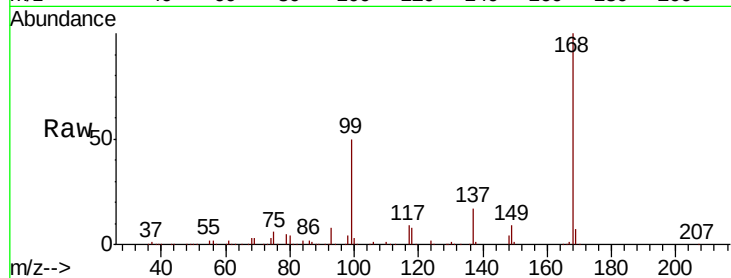
Tot Ion:117 Resp: 25838

Ion Ratio Lower Upper

117 100

119 4.8 77.1 115.7#

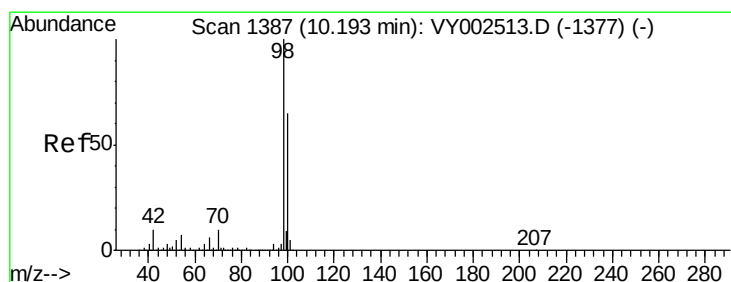
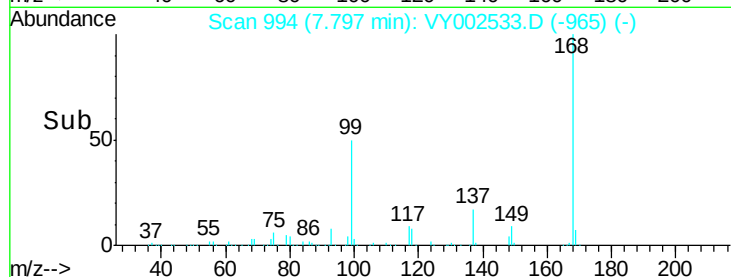
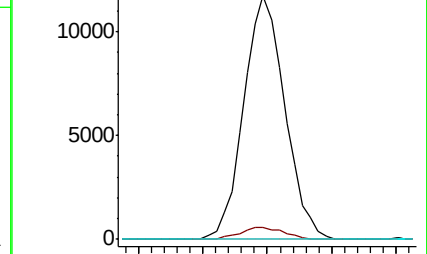
121 0.0 25.2 37.8#



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: 51.927 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002533.D

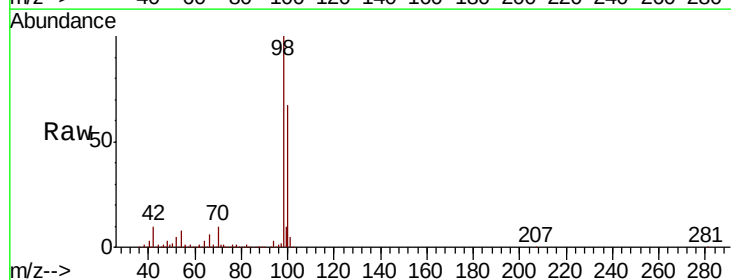
Acq: 04 May 2020 12:19

Tgt Ion: 98 Resp: 529810

Ion Ratio Lower Upper

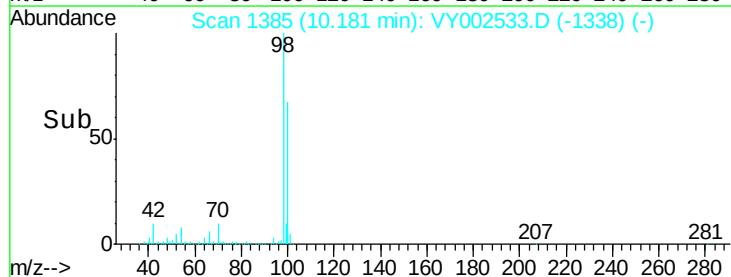
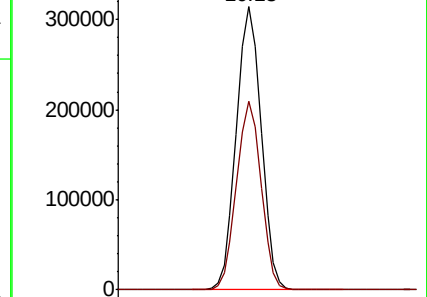
98 100

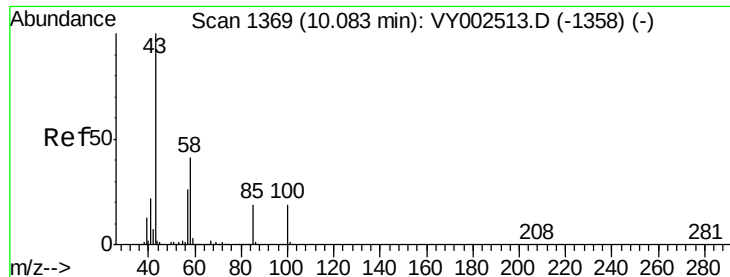
100 65.8 52.2 78.2



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: 1.873 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY002533.D

Acq: 04 May 2020 12:19

Instrument :

MSVOA_Y

ClientSampleId :

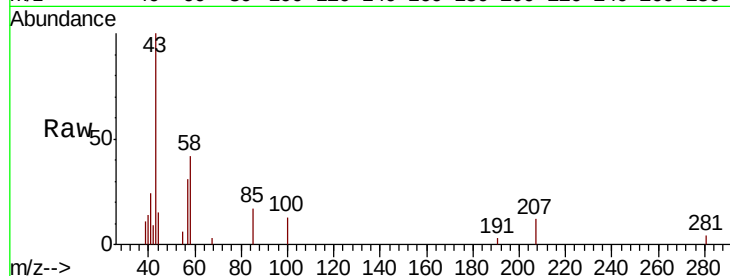
RECOVERED-CRUSH-AGGREGAT

Tot Ion: 43 Resp: 3561

Ion Ratio Lower Upper

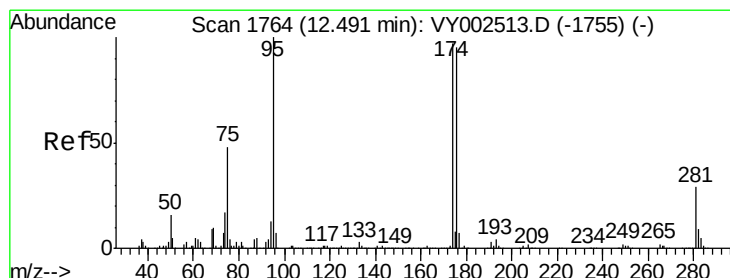
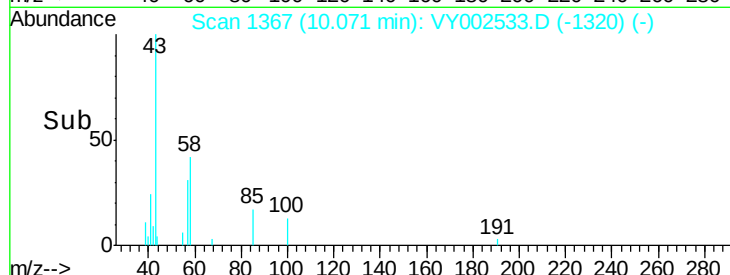
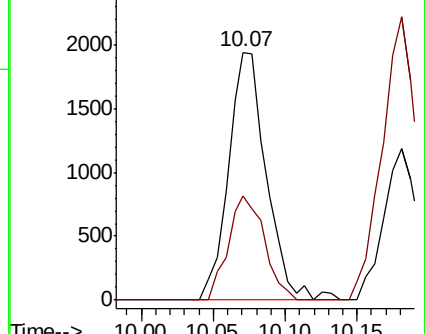
43 100

58 40.1 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 50.710 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002533.D

Acq: 04 May 2020 12:19

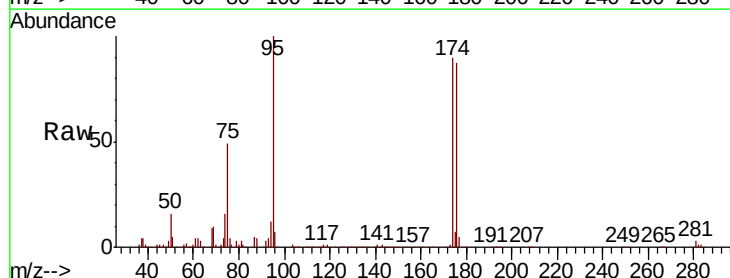
Tgt Ion: 95 Resp: 175564

Ion Ratio Lower Upper

95 100

174 93.4 0.0 188.8

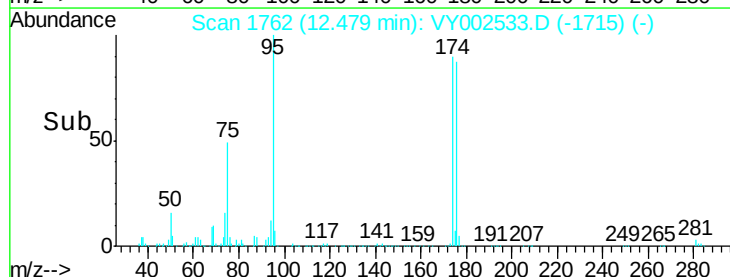
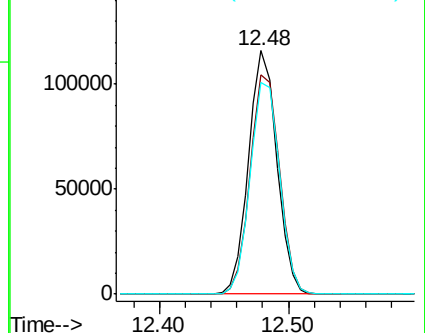
176 90.2 0.0 183.2

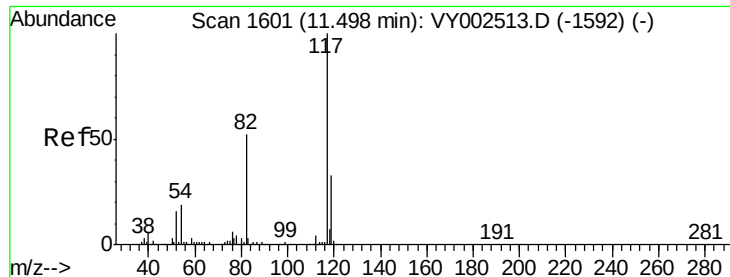


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

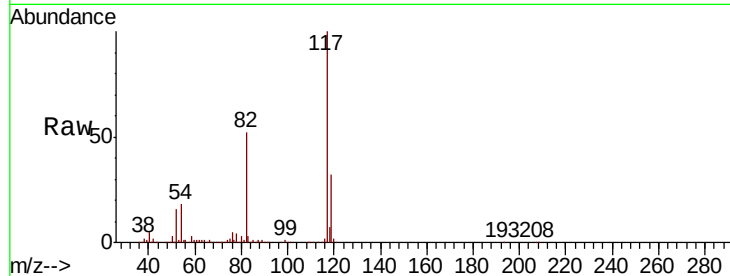




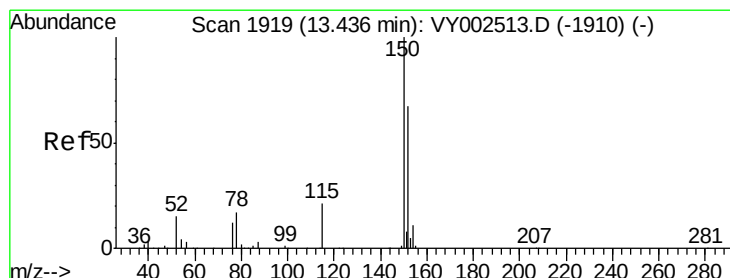
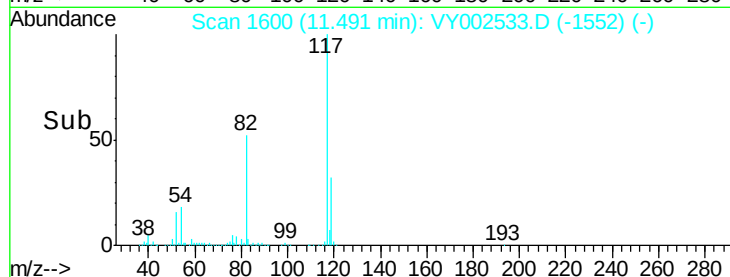
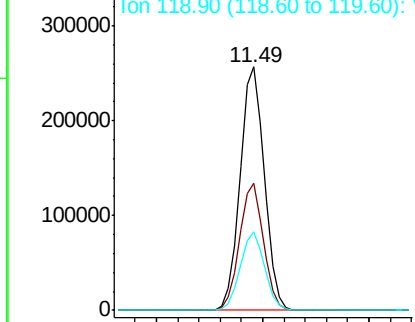
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002533.D
Acq: 04 May 2020 12:19

Instrument :
MSVOA_Y
ClientSampleId :
RECOVERED-CRUSH-AGGREGAT

Tot Ion:117 Resp: 410554
Ion Ratio Lower Upper
117 100
82 52.0 41.3 61.9
119 32.4 26.0 39.0

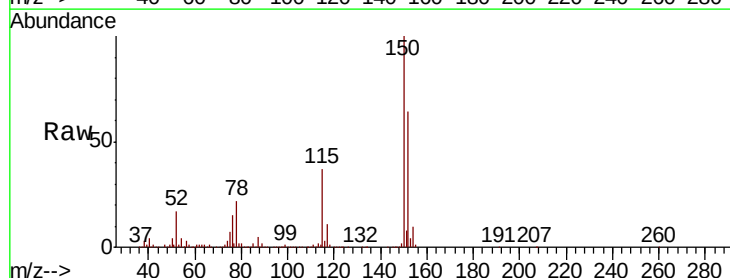


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

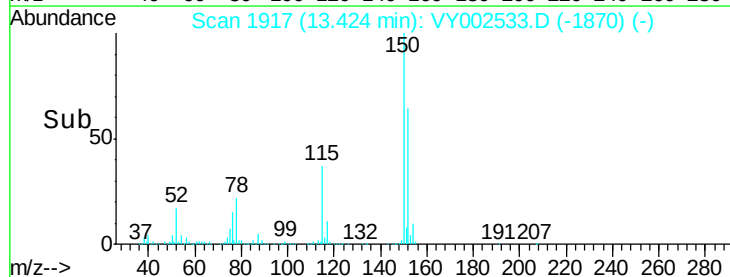
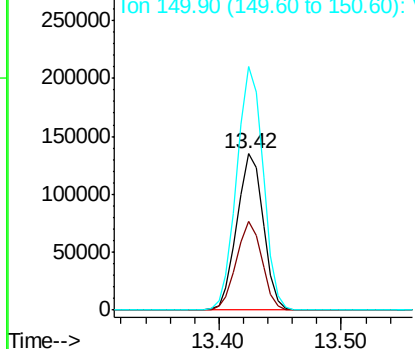


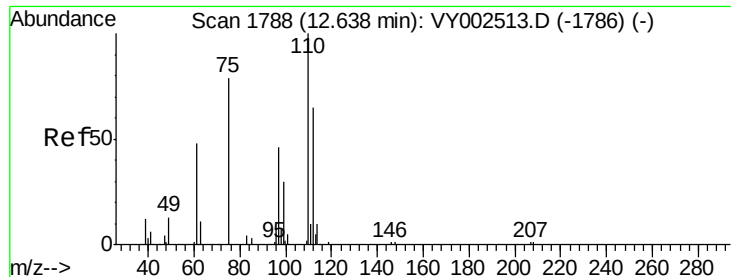
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002533.D
Acq: 04 May 2020 12:19

Tgt Ion:152 Resp: 201318
Ion Ratio Lower Upper
152 100
115 55.4 27.5 82.4
150 156.2 0.0 346.4



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: 47.586 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY002533.D

Acq: 04 May 2020 12:19

Instrument :

MSVOA_Y

ClientSampleId :

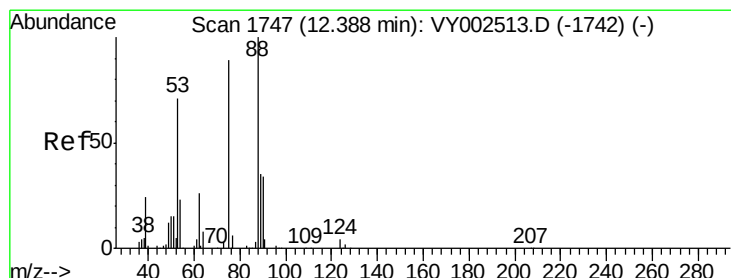
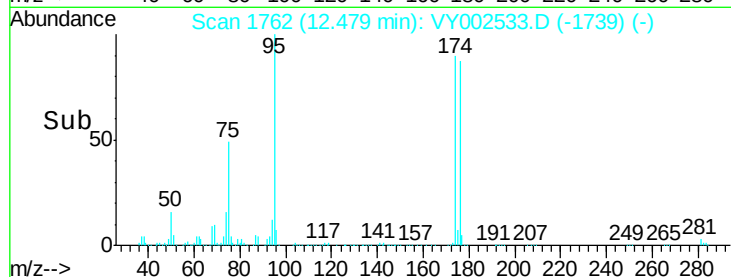
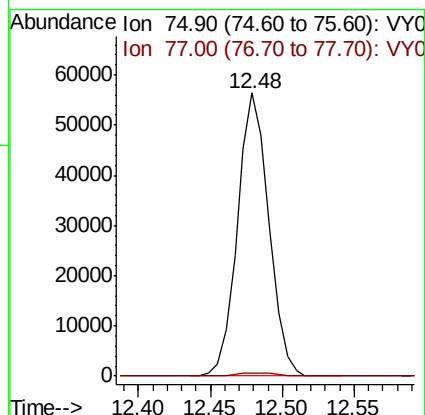
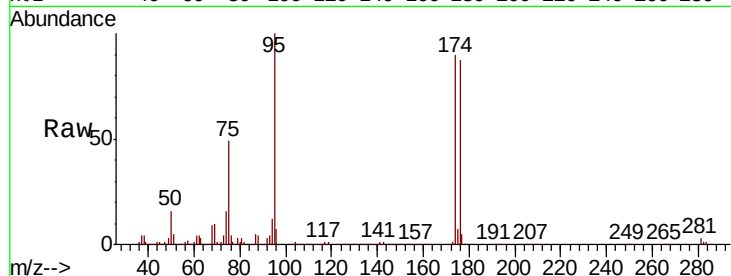
RECOVERED-CRUSH-AGGREGAT

Tot Ion: 75 Resp: 85134

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.420 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002533.D

Acq: 04 May 2020 12:19

Tgt Ion: 75 Resp: 85134

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.0 37.4 56.0#

