

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002529.D
 Acq On : 04 May 2020 10:40
 Operator : SY/MD
 Sample : VY0504SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBL01

Quant Time: May 04 14:37:06 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	407414	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	610483	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	550686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	287810	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	178315	52.05	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.10%	
35) Dibromofluoromethane	7.72	113	180397	51.67	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.34%	
50) Toluene-d8	10.18	98	693122	50.84	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.49	95	238685	51.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.18%	

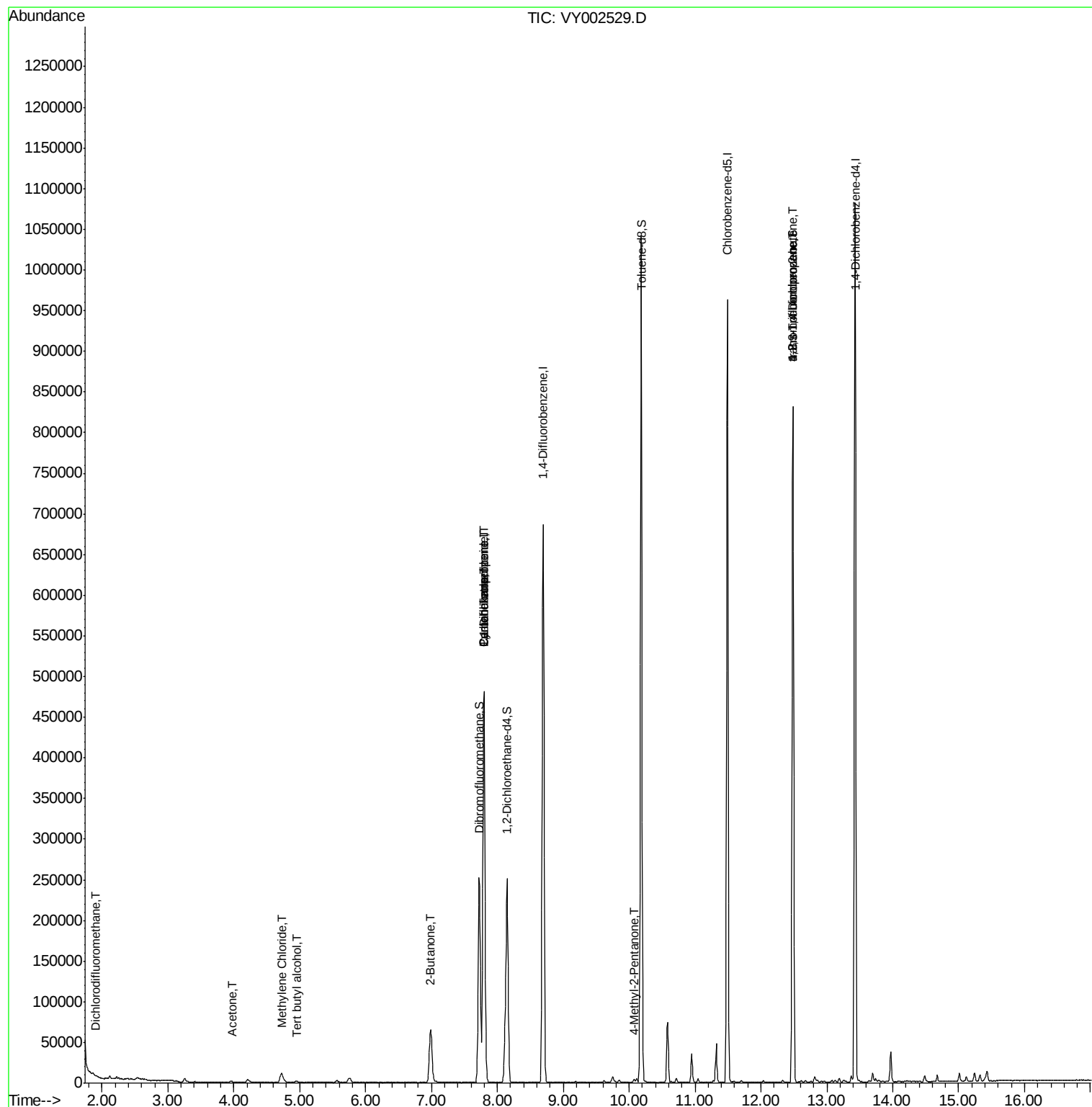
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	507	1.930	ug/l	78
11) Tert butyl alcohol	4.96	59	2433	6.903	ug/l #	74
16) Acetone	3.97	43	2465	3.487	ug/l	92
20) Methylene Chloride	4.72	84	8855	2.240	ug/l	91
25) 2-Butanone	6.99	43	3281	2.835	ug/l #	62
31) Cyclohexane	7.80	56	6638	1.078	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	25639	5.010	ug/l #	49
38) Carbon Tetrachloride	7.80	117	36385	6.512	ug/l #	15
51) 4-Methyl-2-Pentanone	10.07	43	2734	1.076	ug/l	98
76) 1,2,3-Trichloropropane	12.49	75	116285	45.465	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	116285	91.166	ug/l #	15

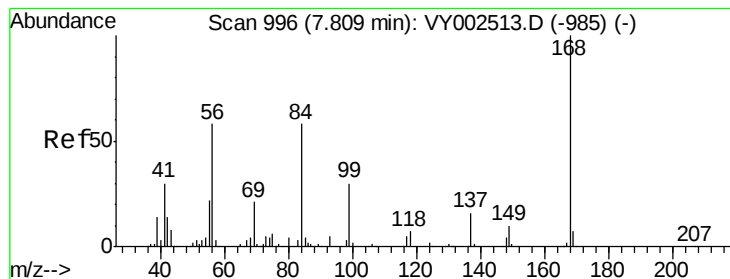
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 994

Delta R.T. -0.01 min

Lab File: VY002529.D

Acq: 04 May 2020 10:40

Instrument :

MSVOA_Y

ClientSampleId :

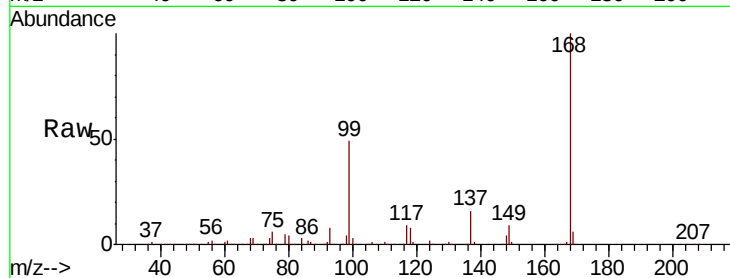
VY0504SBL01

Tot Ion:168 Resp: 407414

Ion Ratio Lower Upper

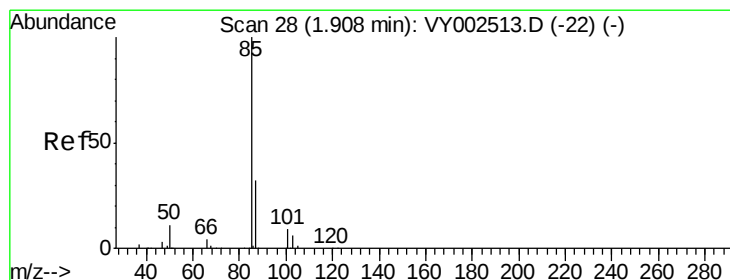
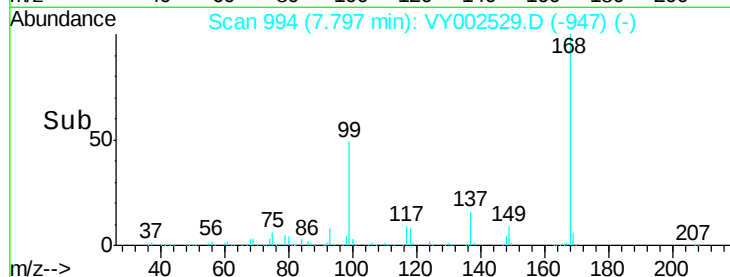
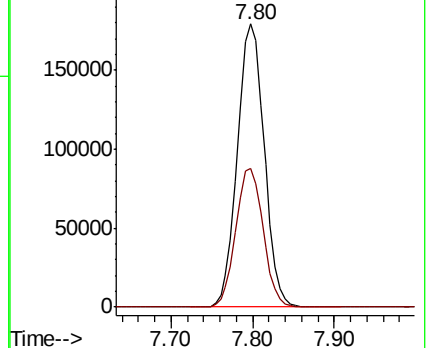
168 100

99 48.9 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) (-)



#2

Dichlorodifluoromethane

Concen: 1.930 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002529.D

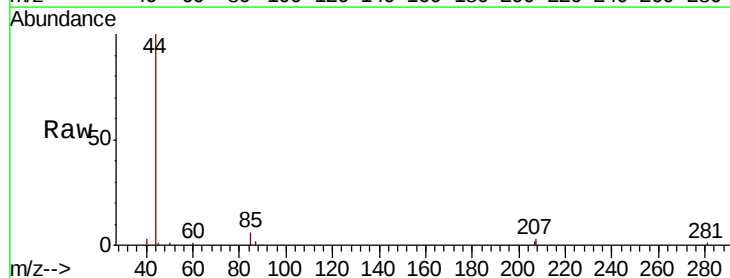
Acq: 04 May 2020 10:40

Tgt Ion: 85 Resp: 507

Ion Ratio Lower Upper

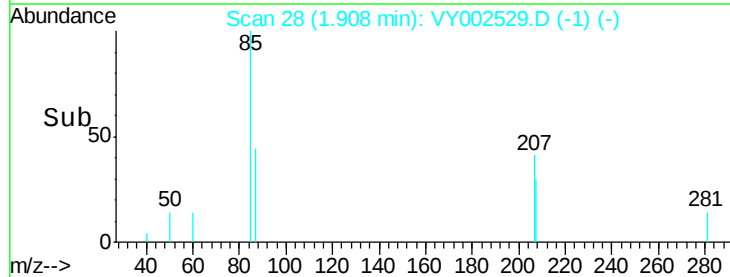
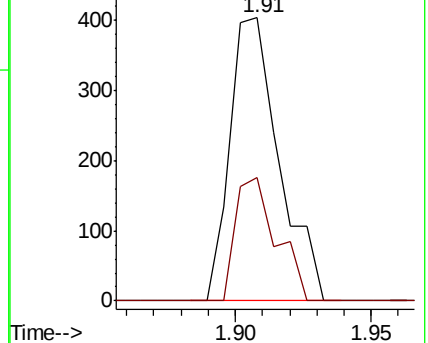
85 100

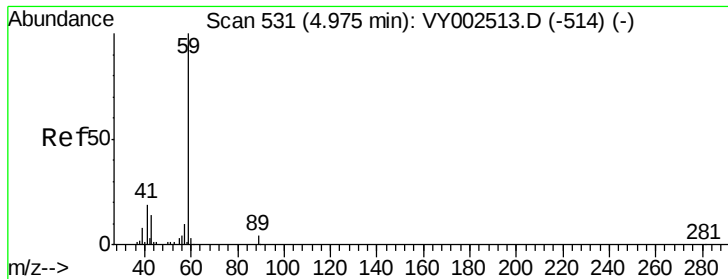
87 43.7 15.8 47.4



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

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



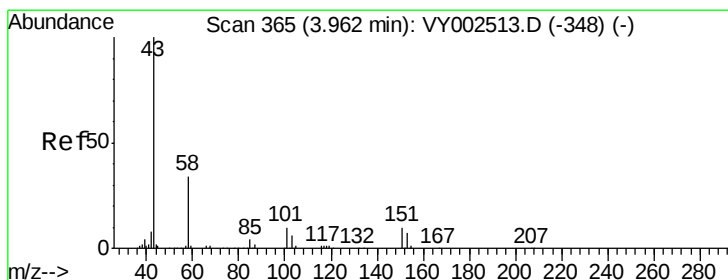
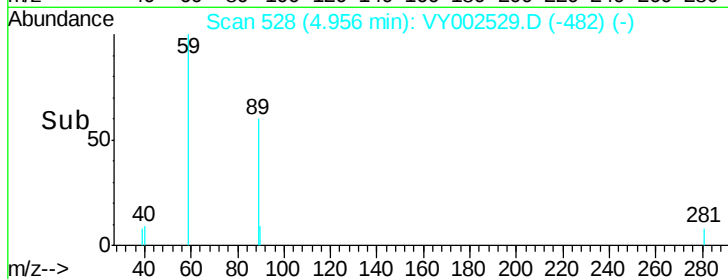
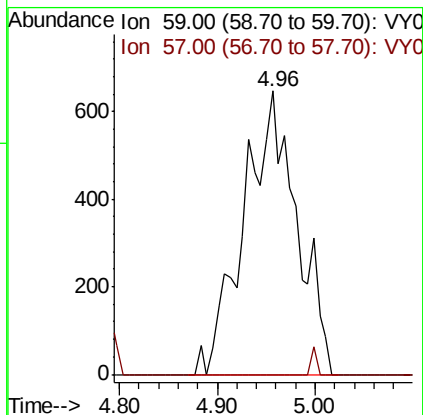
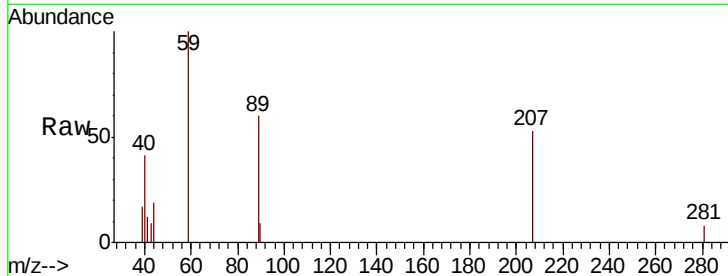


#11

Tert butyl alcohol
 Concen: 6.903 ug/l
 RT: 4.96 min Scan# 528
 Delta R.T. -0.02 min
 Lab File: VY002529.D
 Acq: 04 May 2020 10:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBL01

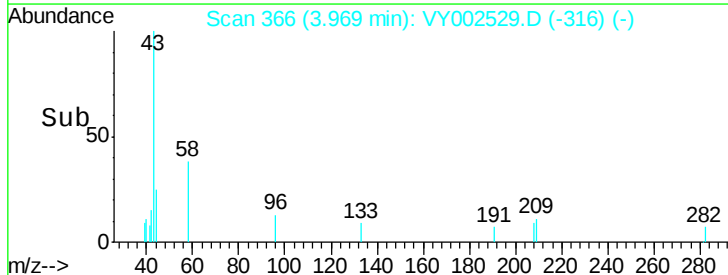
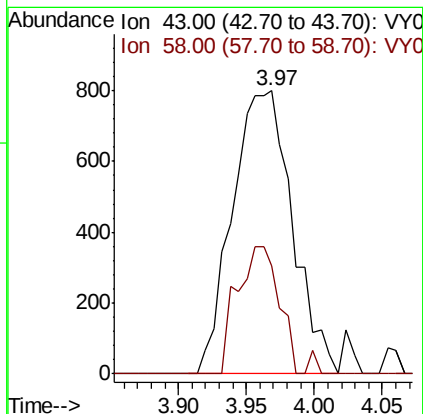
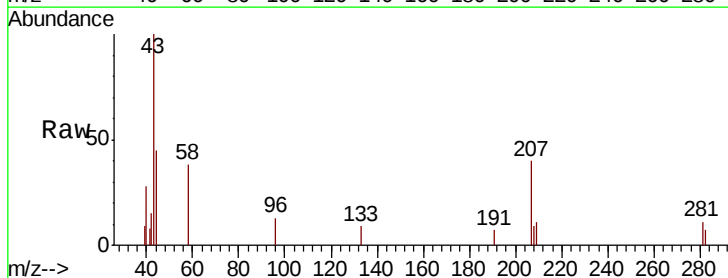
Tot Ion: 59 Resp: 2433
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

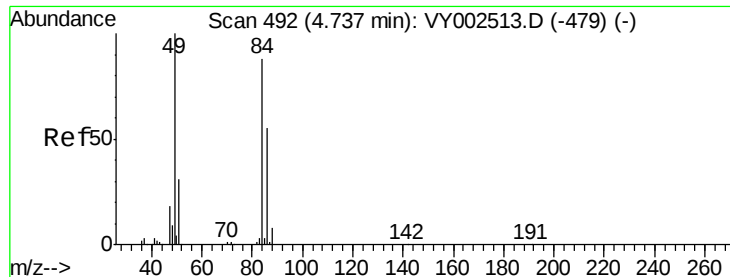


#16

Acetone
 Concen: 3.487 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VY002529.D
 Acq: 04 May 2020 10:40

Tgt Ion: 43 Resp: 2465
 Ion Ratio Lower Upper
 43 100
 58 38.3 26.9 40.3

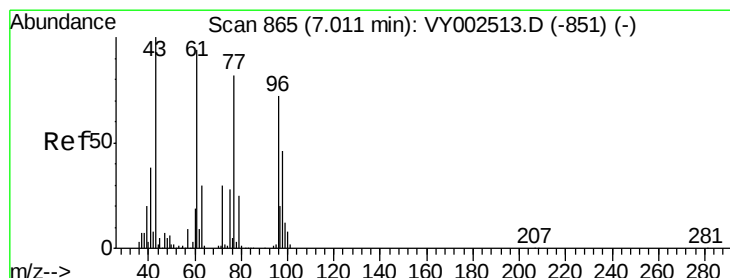
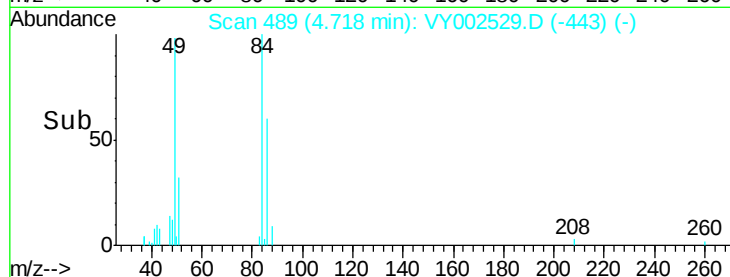
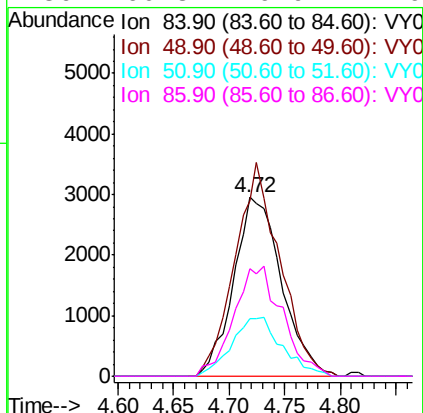
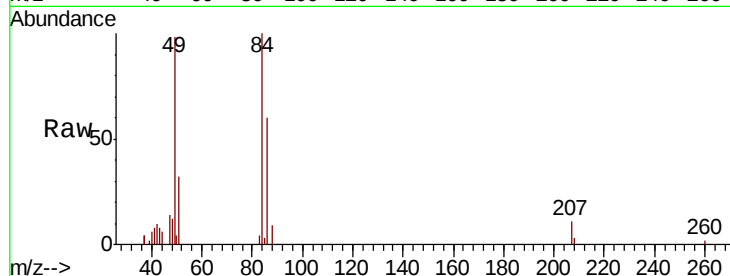




#20
Methvlene Chloride
Concen: 2.240 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.02 min
Lab File: VY002529.D
Acq: 04 May 2020 10:40

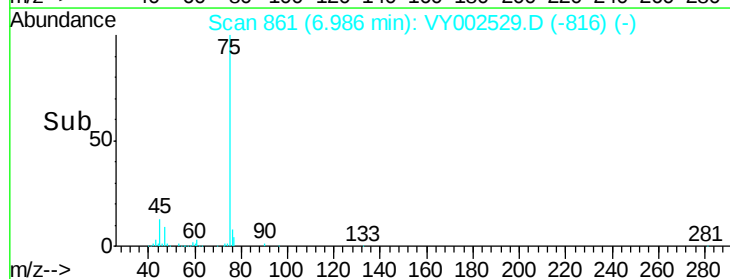
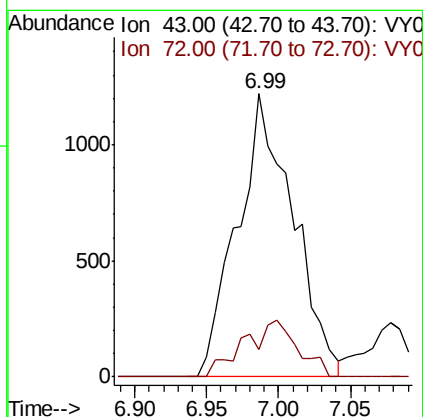
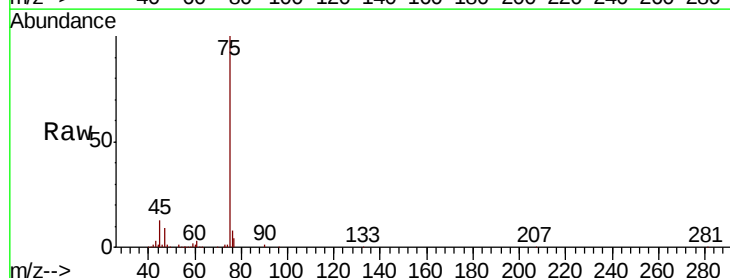
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBL01

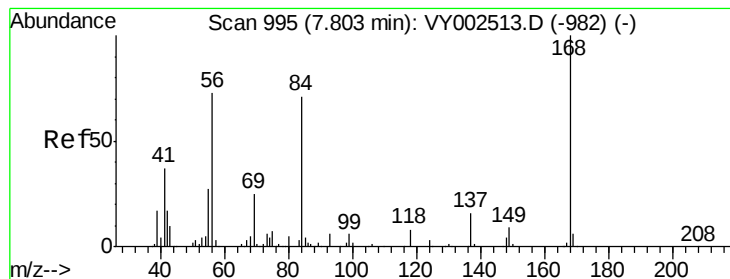
Tot Ion:	84	Resp:	8855
Ion	Ratio	Lower	Upper
84	100		
49	98.0	90.5	135.7
51	31.9	28.3	42.5
86	60.3	49.9	74.9



#25
2-Butanone
Concen: 2.835 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.02 min
Lab File: VY002529.D
Acq: 04 May 2020 10:40

Tgt Ion:	43	Resp:	3281
Ion	Ratio	Lower	Upper
43	100		
72	9.7	24.1	36.1#





#31

Cyclohexane

Concen: 1.078 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002529.D

Acq: 04 May 2020 10:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBL01

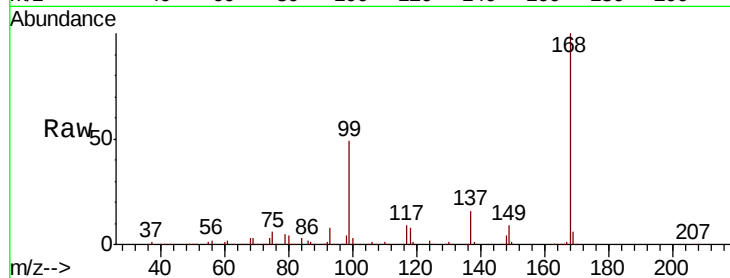
Tot Ion: 56 Resp: 6638

Ion Ratio Lower Upper

56 100

69 187.3 27.6 41.4#

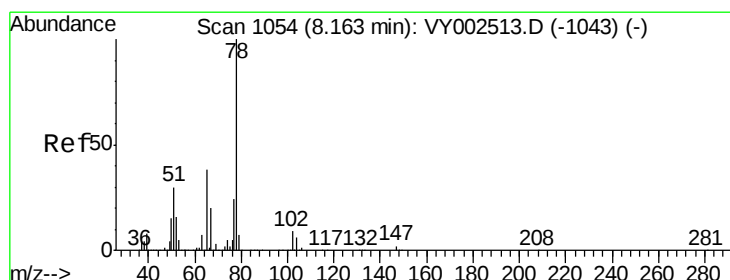
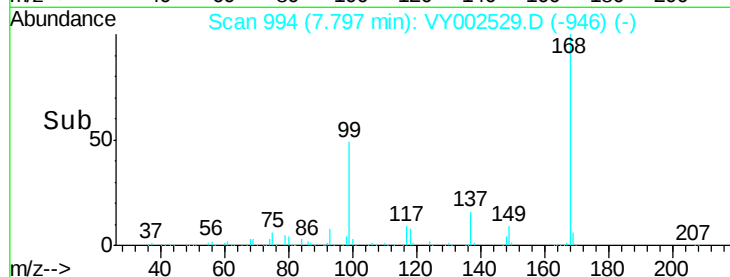
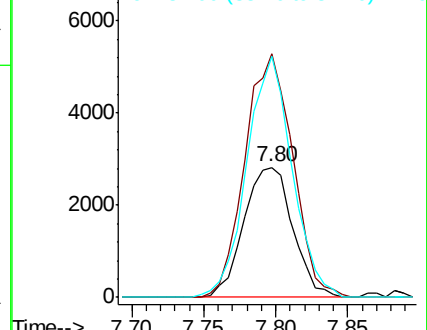
84 185.4 77.7 116.5#



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: 52.054 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002529.D

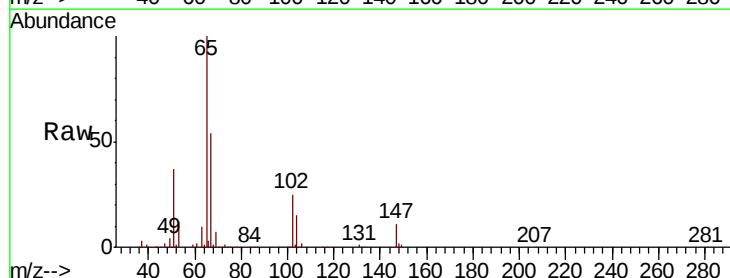
Acq: 04 May 2020 10:40

Tgt Ion: 65 Resp: 178315

Ion Ratio Lower Upper

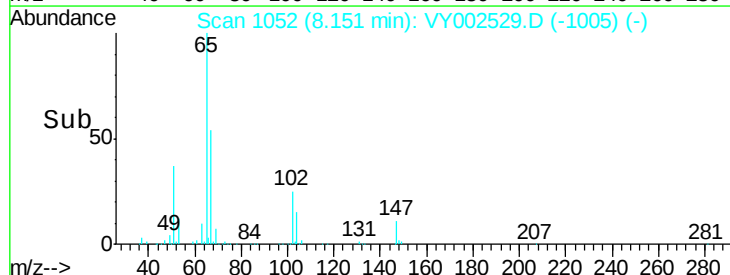
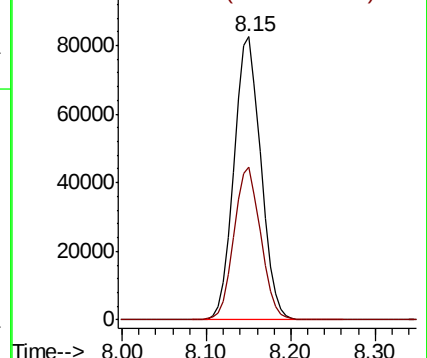
65 100

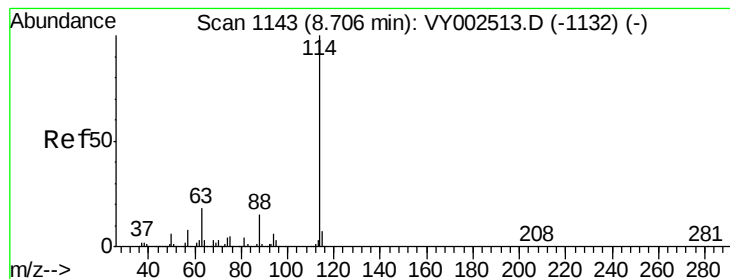
67 54.0 0.0 107.2



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: VY002529.D

Acq: 04 May 2020 10:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBL01

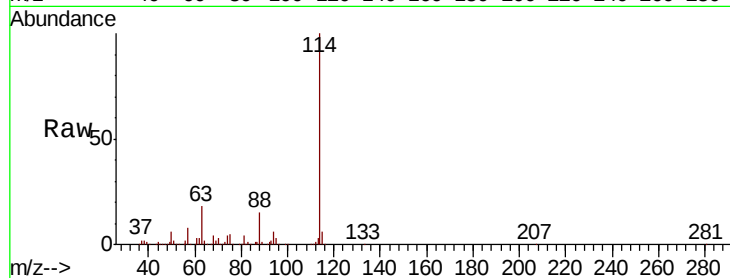
Tot Ion:114 Resp: 610483

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.4

88 14.9 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

400000

300000

200000

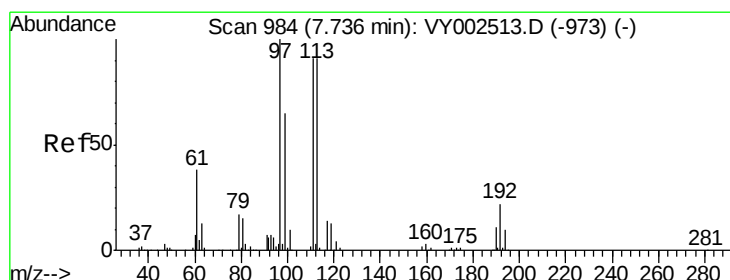
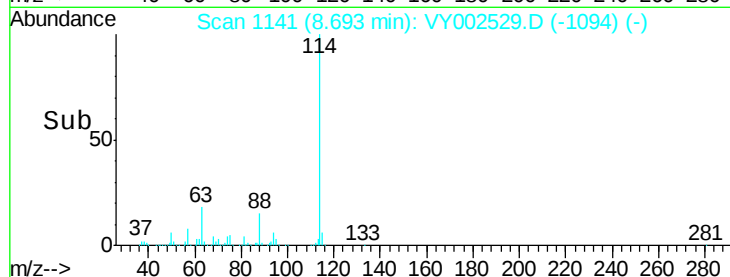
100000

0

8.69

8.60 8.70 8.80

Time-->



#35

Dibromofluoromethane

Concen: 51.669 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002529.D

Acq: 04 May 2020 10:40

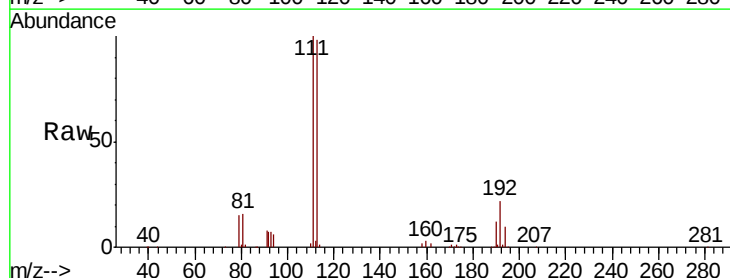
Tgt Ion:113 Resp: 180397

Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.6

192 22.7 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

100000

80000

60000

40000

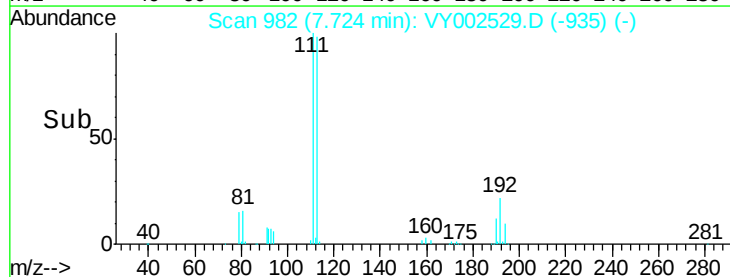
20000

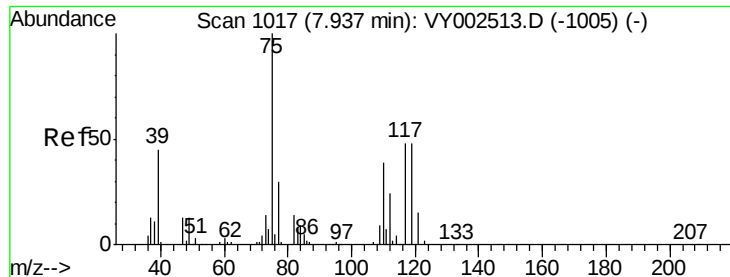
0

7.72

7.60 7.70 7.80

Time-->

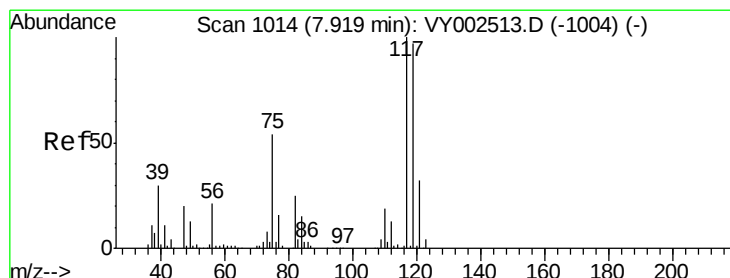
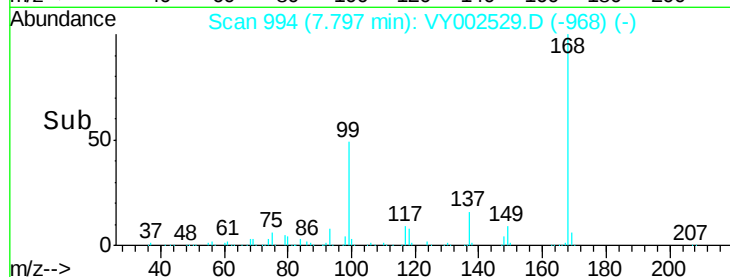
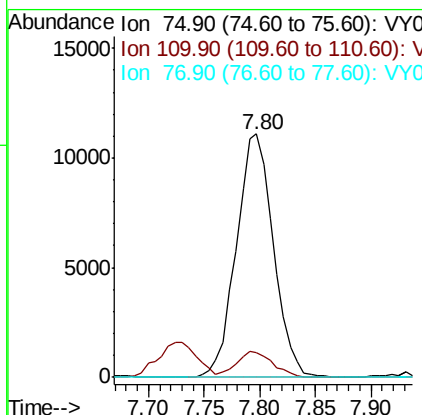
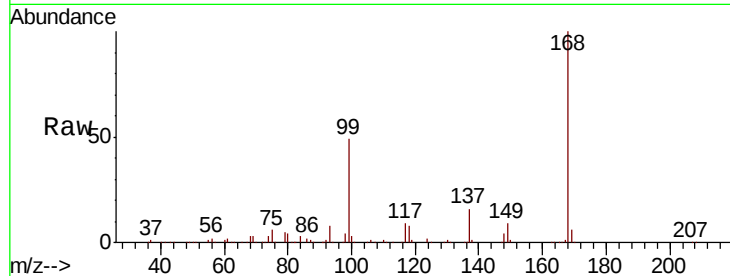




#36
 1,1-Dichloropropene
 Concen: 5.010 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002529.D
 Acq: 04 May 2020 10:40

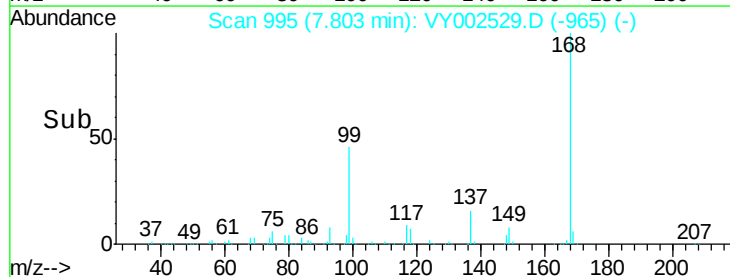
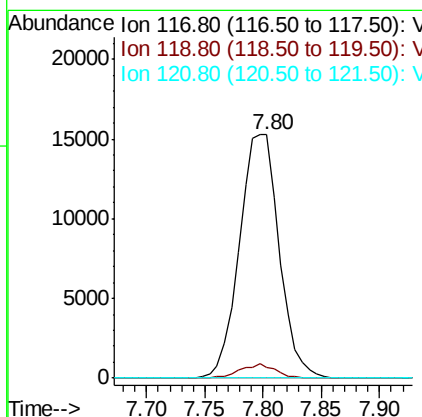
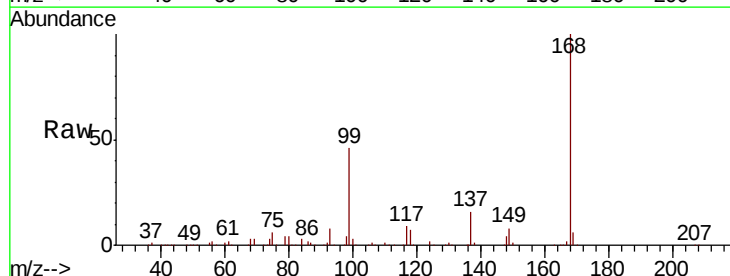
Instrument :
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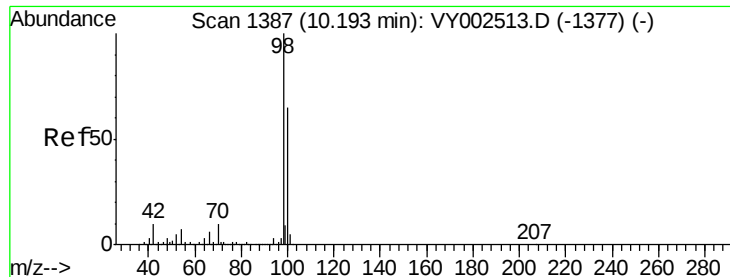
Tot Ion	75	Resp	25639
Ion Ratio	100	Lower	Upper
75	100		
110	10.4	19.1	57.3#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.512 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY002529.D
 Acq: 04 May 2020 10:40

Tgt Ion	117	Resp	36385
Ion Ratio	100	Lower	Upper
117	100		
119	4.4	77.1	115.7#
121	0.0	25.2	37.8#





#50

Toluene-d8

Concen: 50.837 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002529.D

Acq: 04 May 2020 10:40

Instrument :

MSVOA_Y

ClientSampleId :

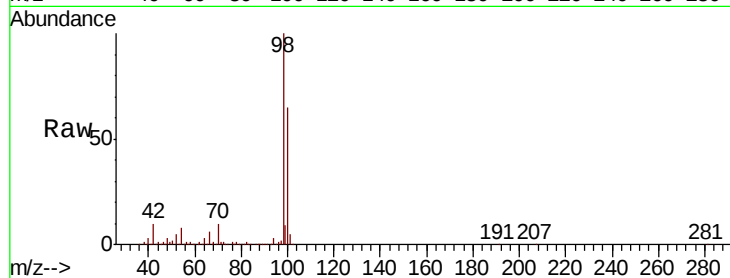
VY0504SBL01

Tot Ion: 98 Resp: 693122

Ion Ratio Lower Upper

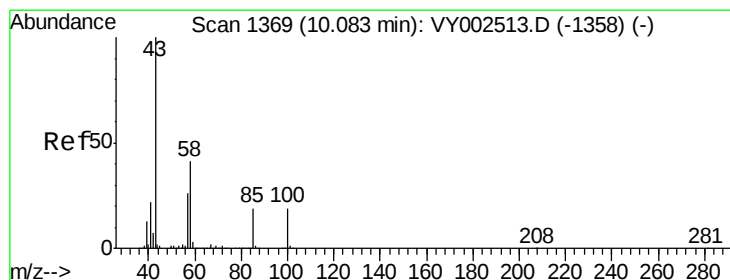
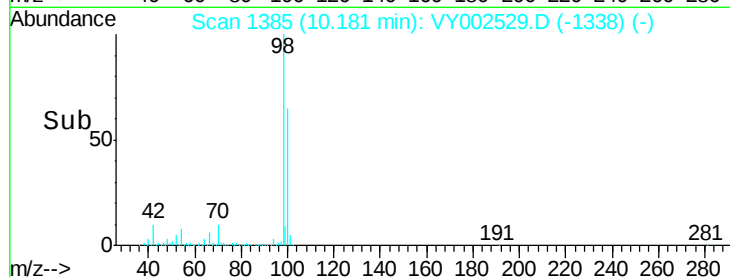
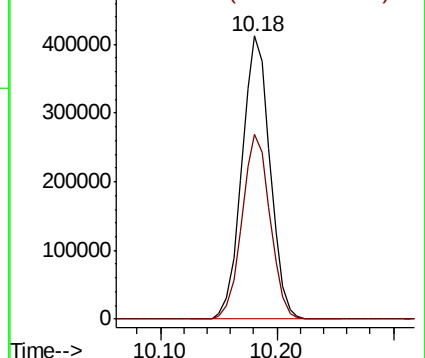
98 100

100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#51

4-Methyl-2-Pentanone

Concen: 1.076 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY002529.D

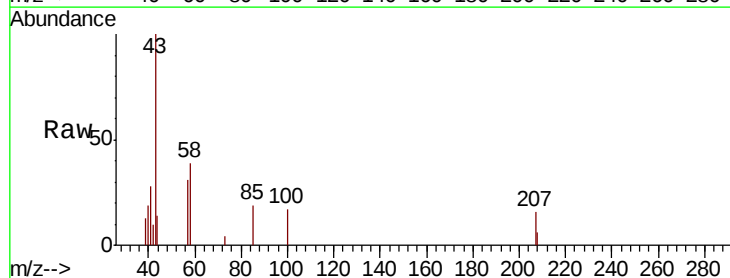
Acq: 04 May 2020 10:40

Tgt Ion: 43 Resp: 2734

Ion Ratio Lower Upper

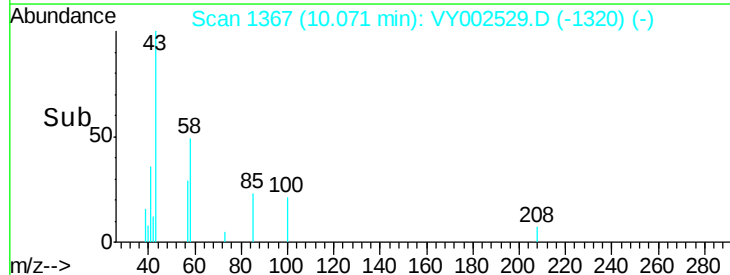
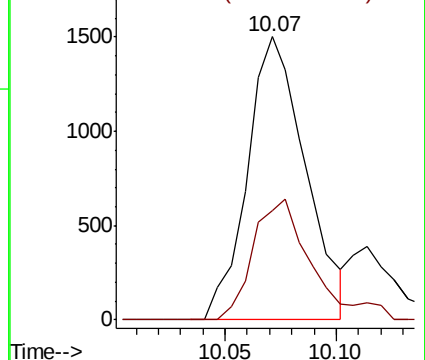
43 100

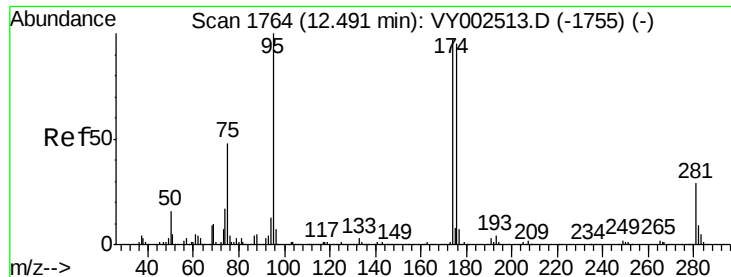
58 42.9 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#62

4-Bromofluorobenzene

Concen: 51.591 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002529.D

Acq: 04 May 2020 10:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBL01

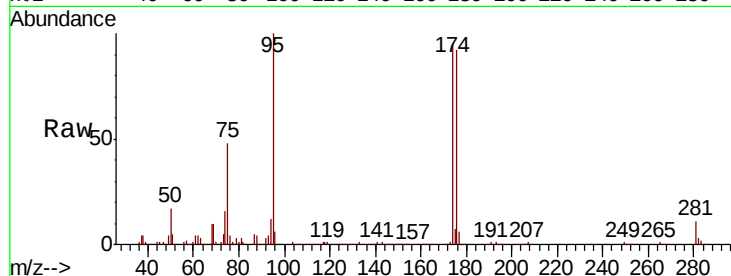
Tot Ion: 95 Resp: 238685

Ion Ratio Lower Upper

95 100

174 93.2 0.0 188.8

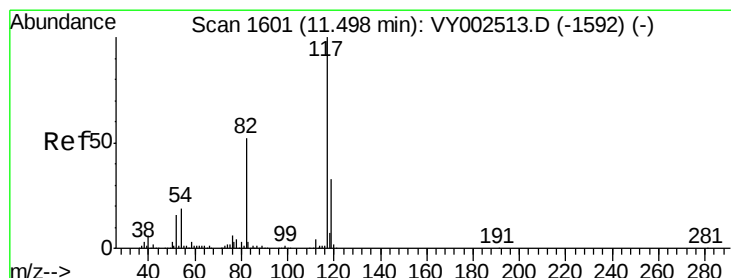
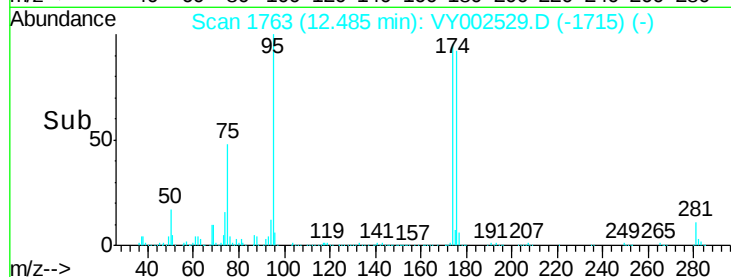
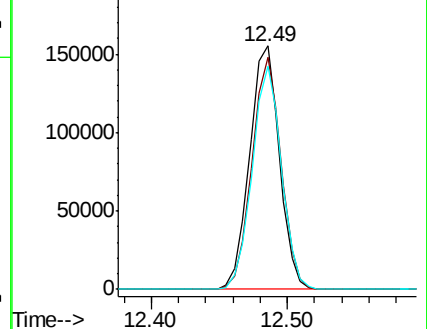
176 90.3 0.0 183.2



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: VY002529.D

Acq: 04 May 2020 10:40

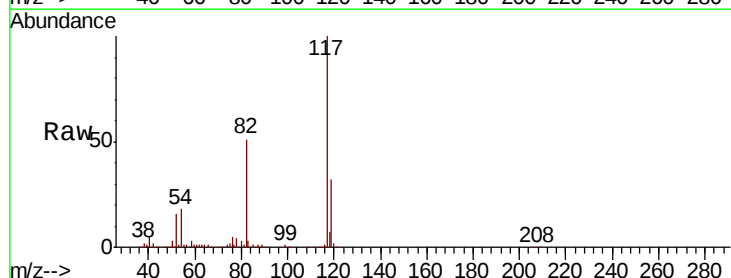
Tgt Ion: 117 Resp: 550686

Ion Ratio Lower Upper

117 100

82 50.5 41.3 61.9

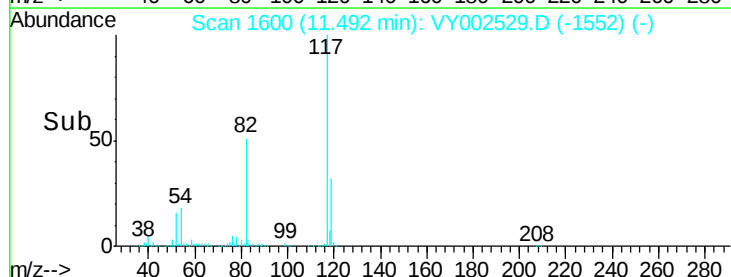
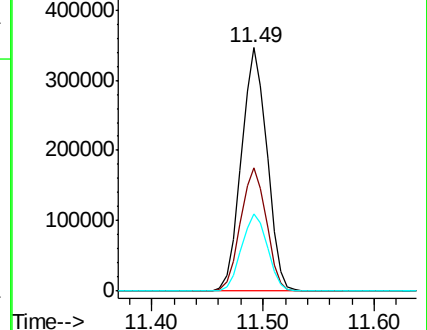
119 31.6 26.0 39.0

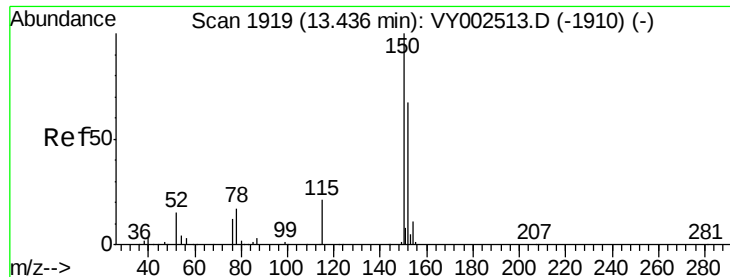


Abundance Ion 116.90 (116.60 to 117.60): VY002513.D (-1592) (-)

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: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY002529.D

Acq: 04 May 2020 10:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBL01

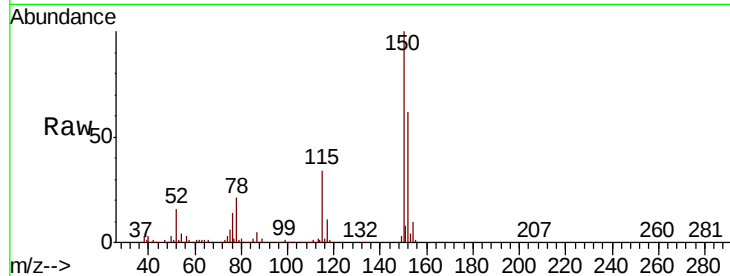
Tot Ion:152 Resp: 287810

Ion Ratio Lower Upper

152 100

115 55.0 27.5 82.4

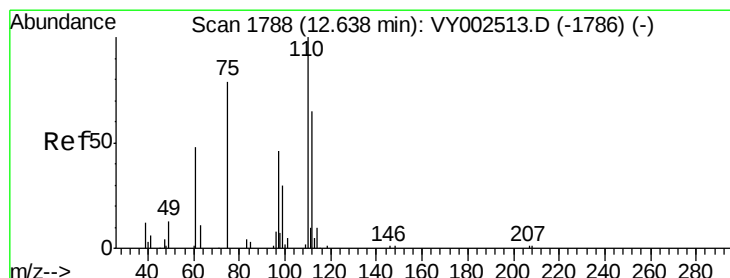
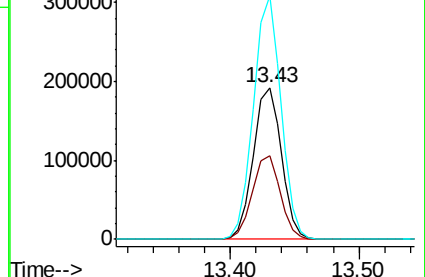
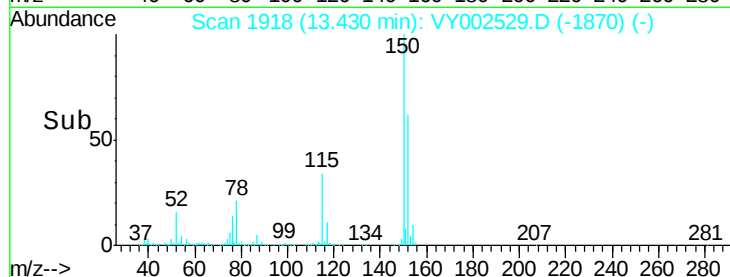
150 156.9 0.0 346.4



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: 45.465 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002529.D

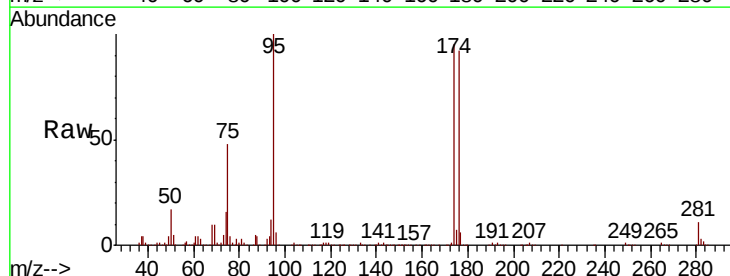
Acq: 04 May 2020 10:40

Tgt Ion: 75 Resp: 116285

Ion Ratio Lower Upper

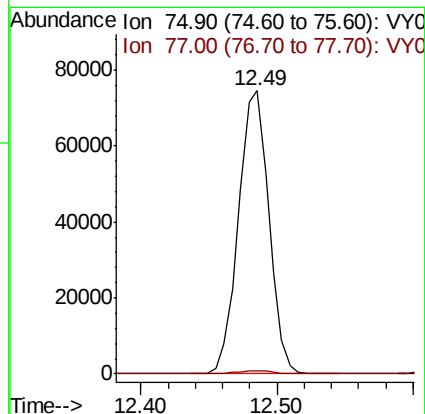
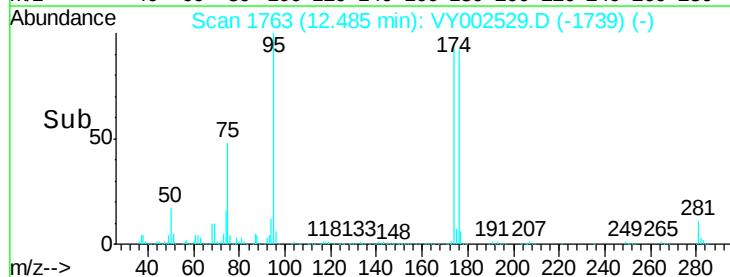
75 100

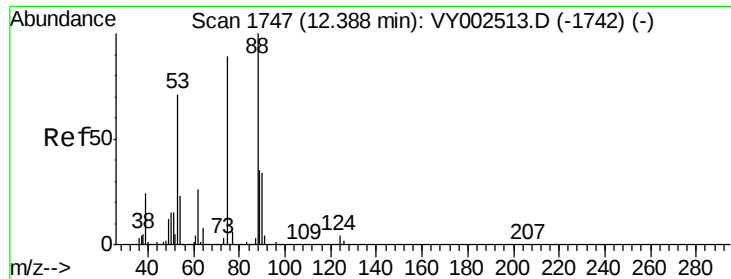
77 1.3 0.0 0.0#



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: 91.166 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002529.D

Acq: 04 May 2020 10:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBL01

Tot Ion: 75 Resp: 116285

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.2 37.4 56.0#

