

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\
 Data File : VY002592.D
 Acq On : 05 May 2020 17:20
 Operator : SY/MD
 Sample : L2483-08
 Misc : 7.96G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 06 03:21:24 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	348239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	550354	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	494083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	242495	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	159919	54.62	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	109.24%	
35) Dibromofluoromethane	7.73	113	164758	52.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.70%	
50) Toluene-d8	10.19	98	638172	51.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.49	95	210459	50.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.92%	

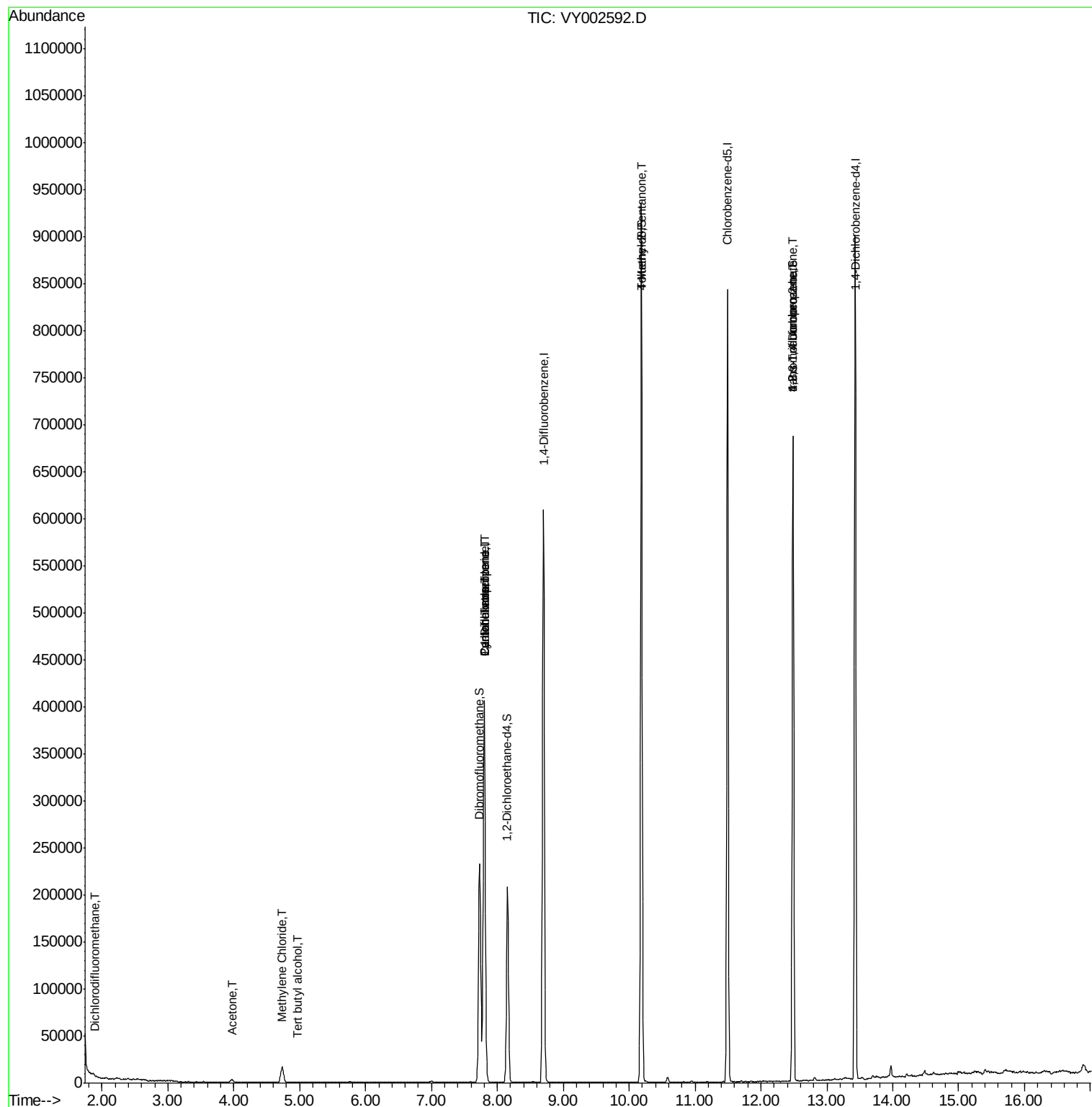
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	95	1.816	ug/l #	43
11) Tert butyl alcohol	4.97	59	323	1.072	ug/l #	74
16) Acetone	3.97	43	4766	7.887	ug/l	90
20) Methylene Chloride	4.74	84	13312	3.939	ug/l	91
31) Cyclohexane	7.80	56	5285	1.004	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	22158	4.803	ug/l #	49
38) Carbon Tetrachloride	7.80	117	30777	6.110	ug/l #	15
51) 4-Methyl-2-Pentanone	10.18	43	2321	1.013	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	101066	46.899	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	101066	94.041	ug/l #	15

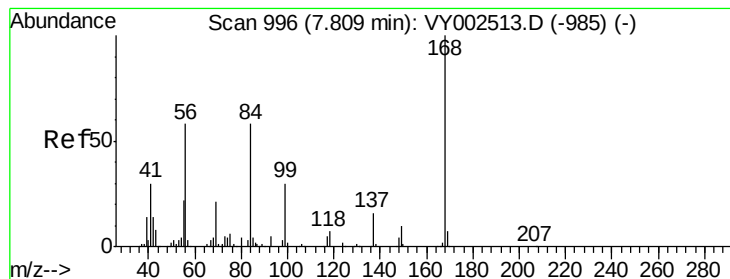
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002592.D

Acq: 05 May 2020 17:20

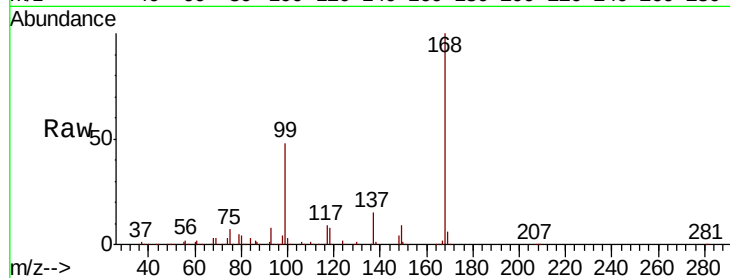
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 348239

Ion Ratio Lower Upper

168 100

99 48.0 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

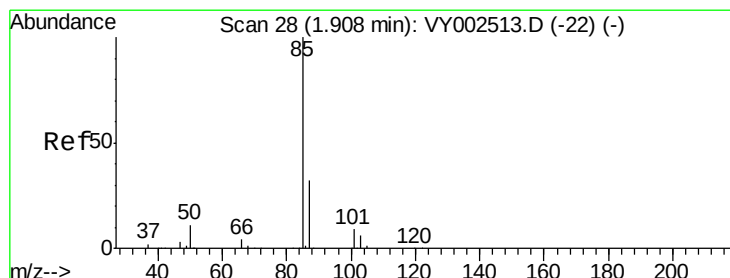
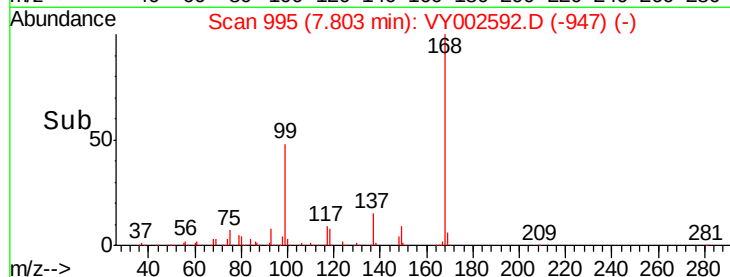
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.816 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002592.D

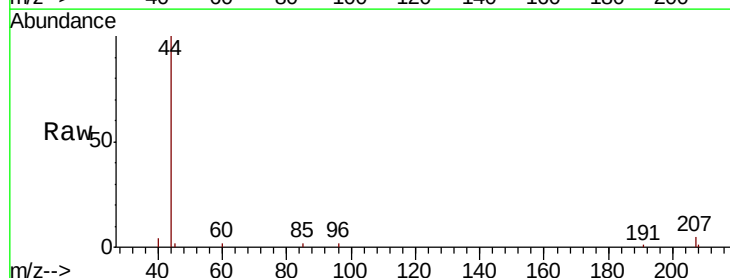
Acq: 05 May 2020 17:20

Tgt Ion: 85 Resp: 95

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) (-)

1.90

100

80

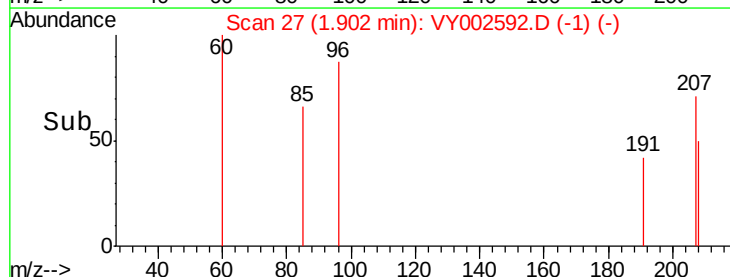
60

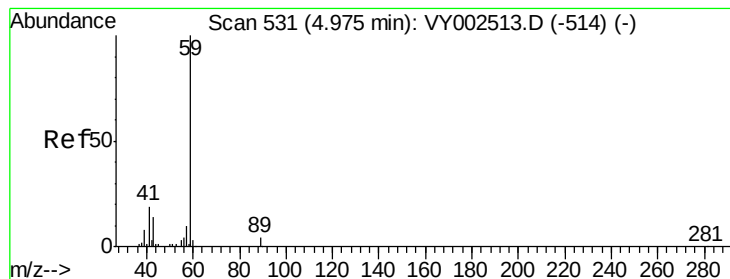
40

20

0

Time-->





#11

Tert butyl alcohol

Concen: 1.072 ug/l

RT: 4.97 min Scan# 531

Delta R.T. -0.00 min

Lab File: VY002592.D

Acq: 05 May 2020 17:20

Instrument :

MSVOA_Y

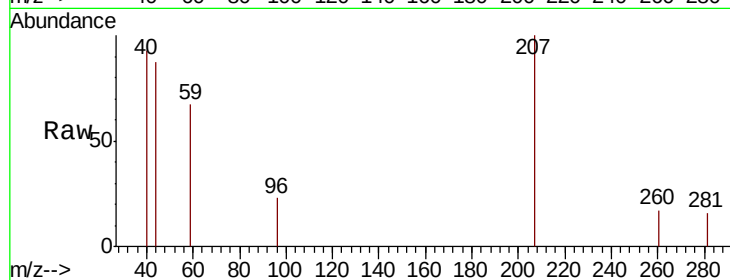
ClientSampled :

Tot Ion: 59 Resp: 323

Ion Ratio Lower Upper

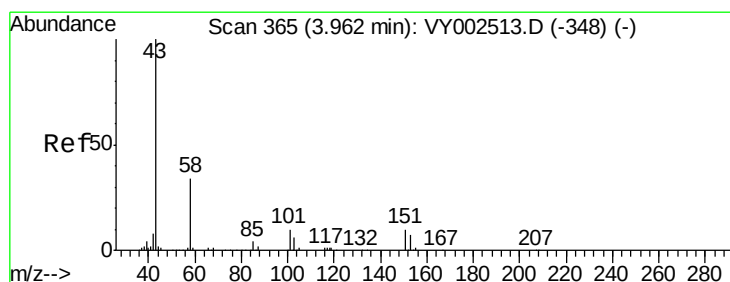
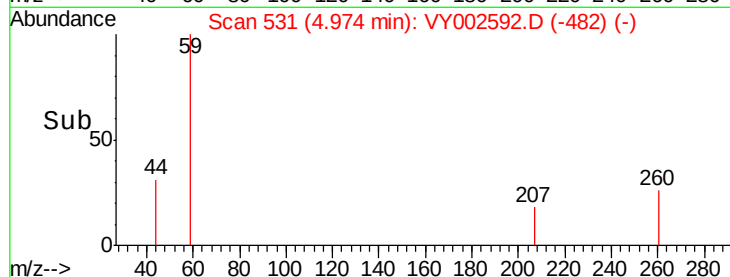
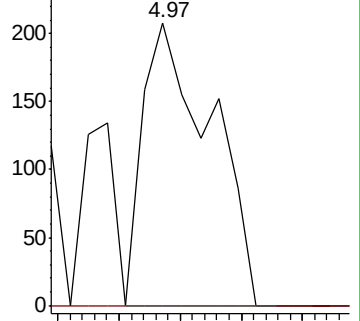
59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



#16

Acetone

Concen: 7.887 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002592.D

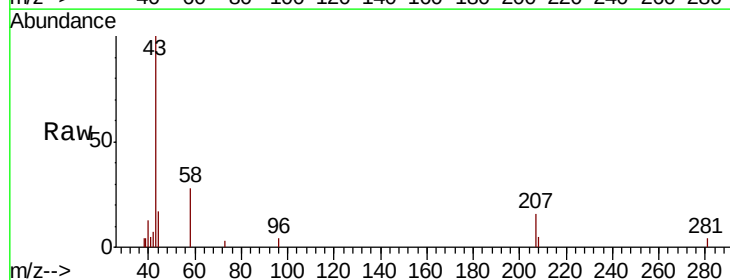
Acq: 05 May 2020 17:20

Tgt Ion: 43 Resp: 4766

Ion Ratio Lower Upper

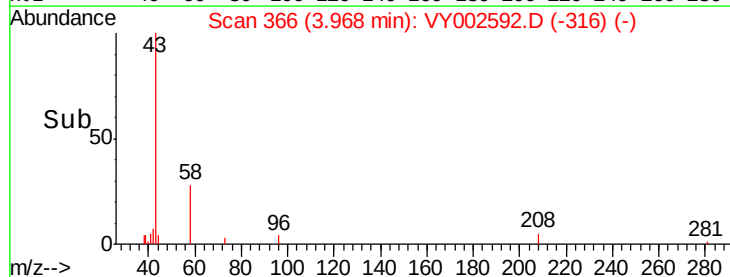
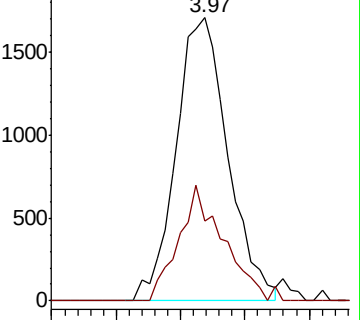
43 100

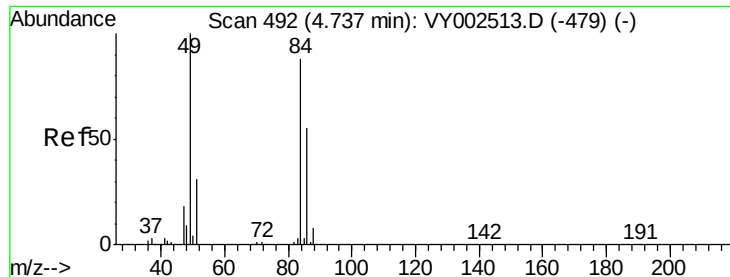
58 28.2 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

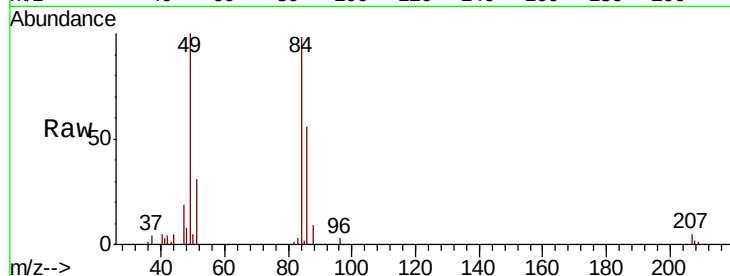




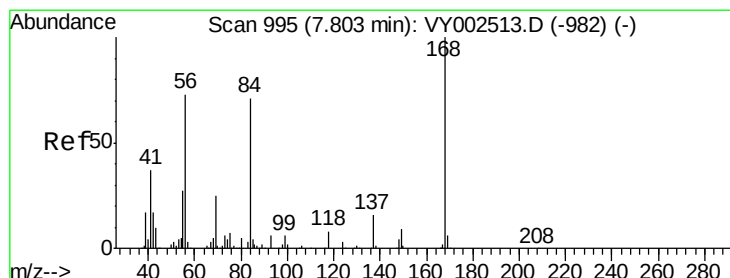
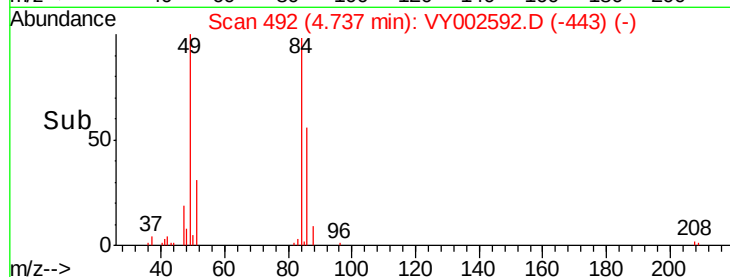
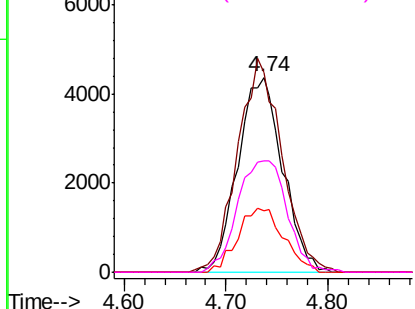
#20
Methylene Chloride
Concen: 3.939 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.00 min
Lab File: VY002592.D
Acq: 05 May 2020 17:20

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 13312
Ion Ratio Lower Upper
84 100
49 102.3 90.5 135.7
51 31.4 28.3 42.5
86 57.1 49.9 74.9

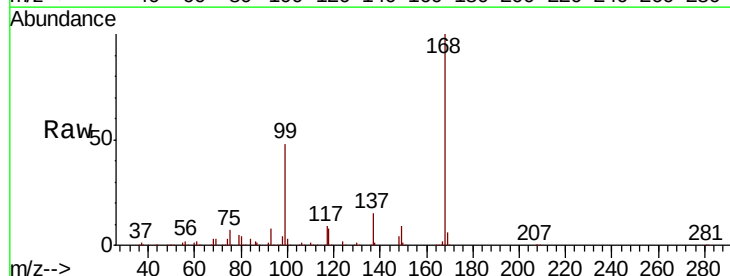


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

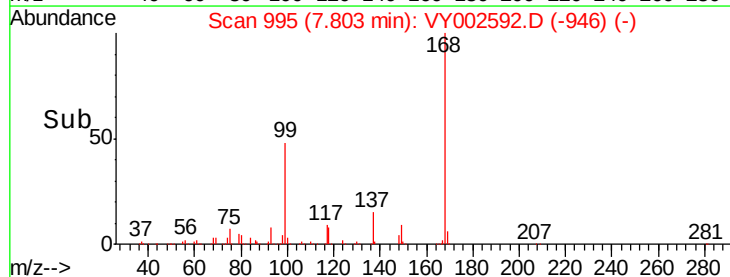
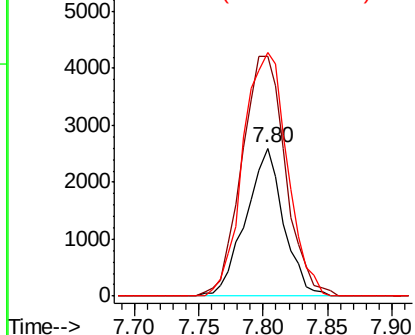


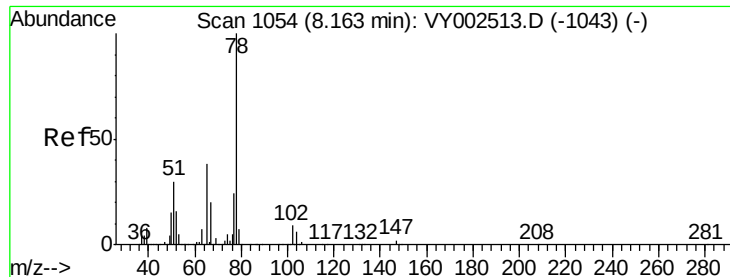
#31
Cyclohexane
Concen: 1.004 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.00 min
Lab File: VY002592.D
Acq: 05 May 2020 17:20

Tgt Ion: 56 Resp: 5285
Ion Ratio Lower Upper
56 100
69 162.0 27.6 41.4#
84 164.3 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

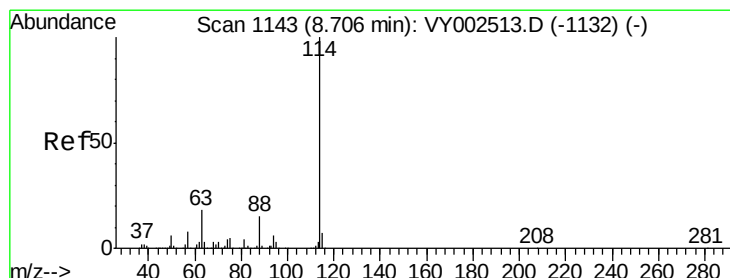
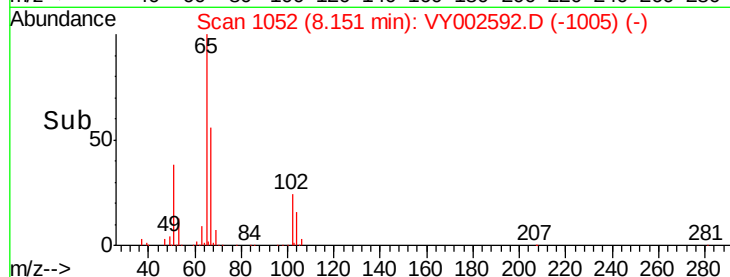
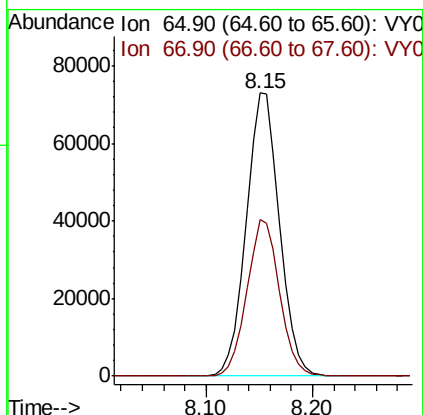
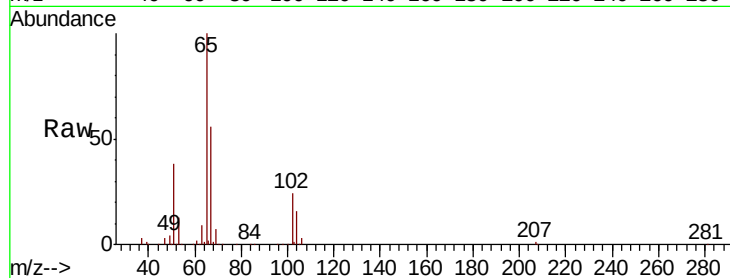




#33
 1,2-Dichloroethane-d4
 Concen: 54.616 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002592.D
 Acq: 05 May 2020 17:20

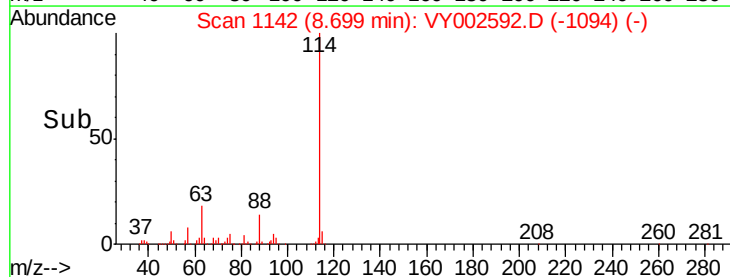
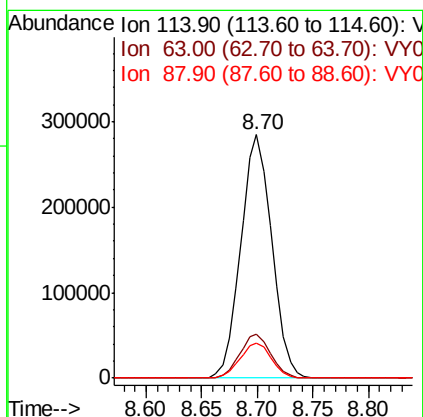
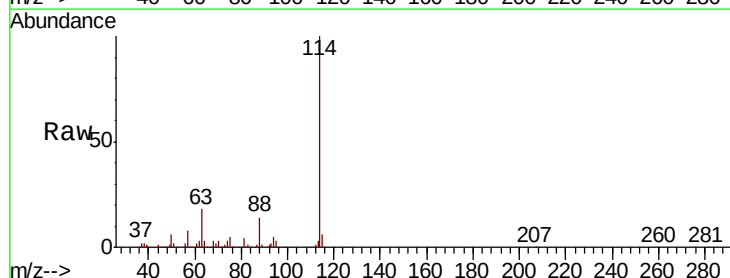
Instrument :
 MSVOA_Y
 ClientSampleId :

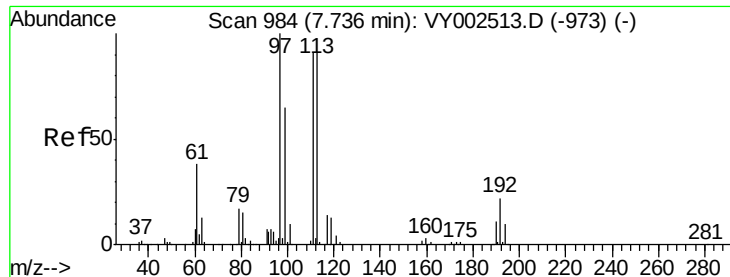
Tot Ion: 65 Resp: 159919
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002592.D
 Acq: 05 May 2020 17:20

Tgt Ion: 114 Resp: 550354
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.4
 88 14.4 0.0 29.6

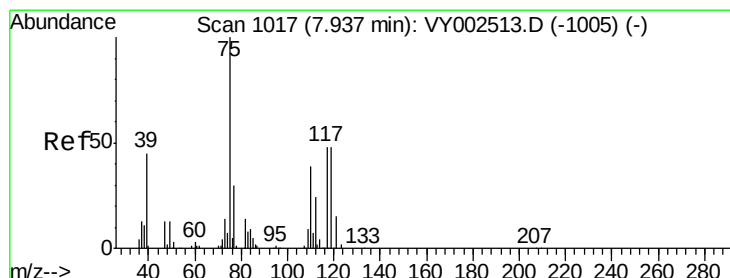
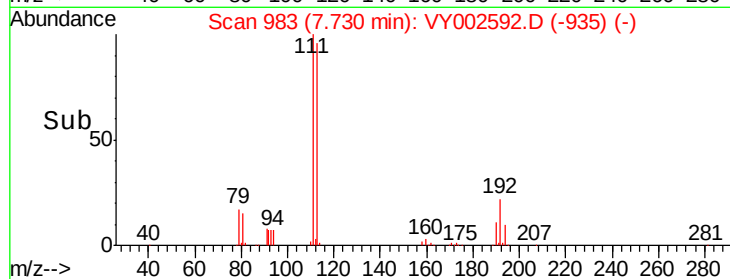
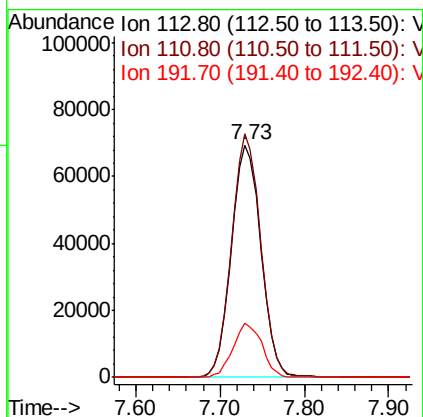
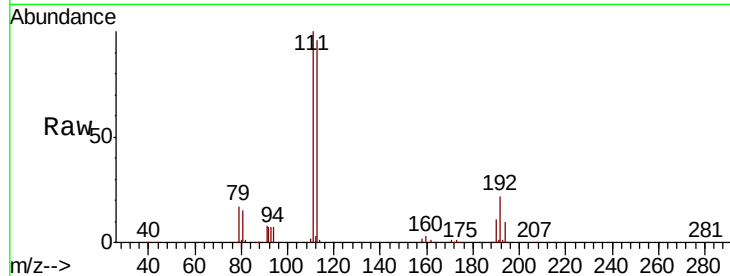




#35
 Dibromofluoromethane
 Concen: 52.346 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002592.D
 Acq: 05 May 2020 17:20

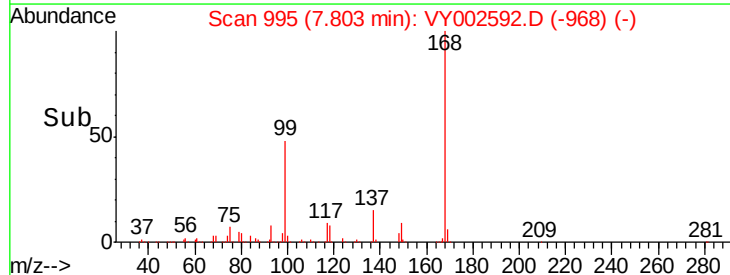
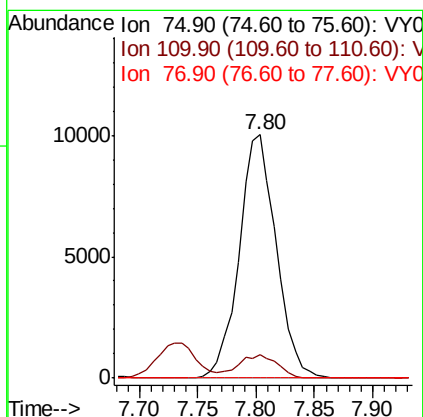
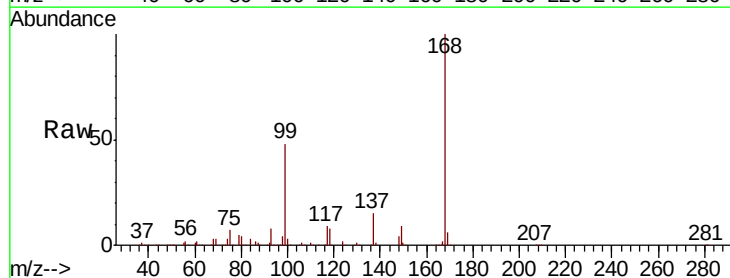
Instrument :
 MSVOA_Y
 ClientSampleId :

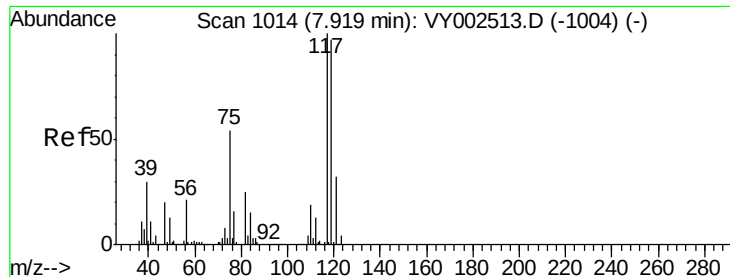
Tot Ion:113 Resp: 164758
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.8 122.6
 192 22.7 18.2 27.4



#36
 1,1-Dichloropropene
 Concen: 4.803 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002592.D
 Acq: 05 May 2020 17:20

Tgt Ion: 75 Resp: 22158
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.1 57.3#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 6.110 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY002592.D

Acq: 05 May 2020 17:20

Instrument :

MSVOA_Y

ClientSampleId :

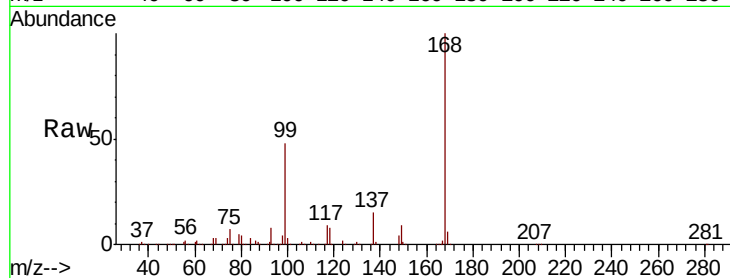
Tot Ion:117 Resp: 30777

Ion Ratio Lower Upper

117 100

119 4.2 77.1 115.7#

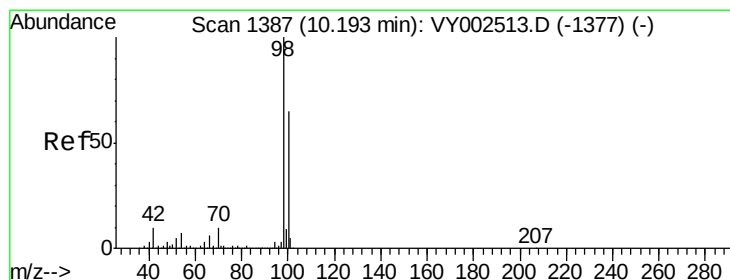
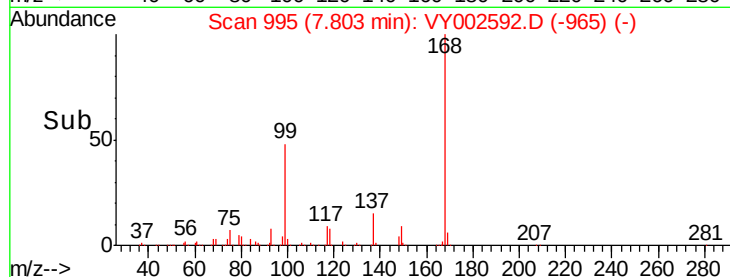
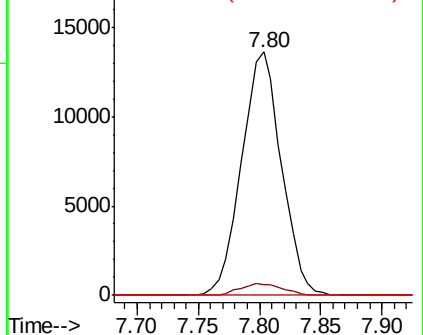
121 0.0 25.2 37.8#



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: 51.920 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY002592.D

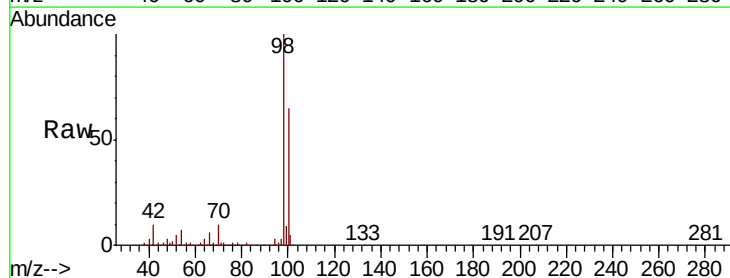
Acq: 05 May 2020 17:20

Tgt Ion: 98 Resp: 638172

Ion Ratio Lower Upper

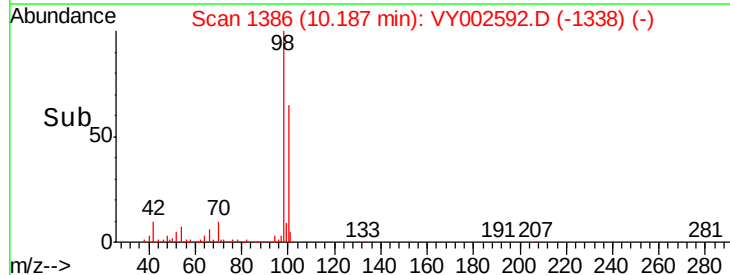
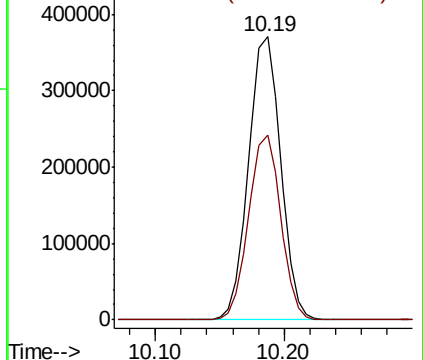
98 100

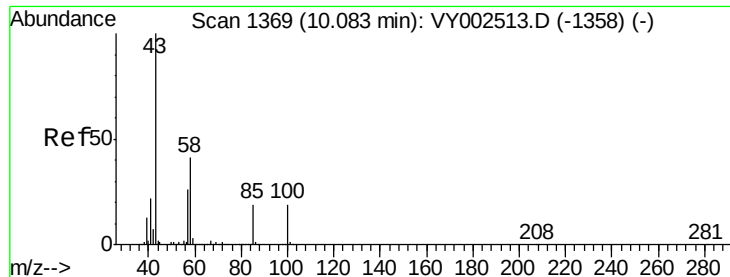
100 65.2 52.2 78.2



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: 1.013 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.10 min

Lab File: VY002592.D

Acq: 05 May 2020 17:20

Instrument :

MSVOA_Y

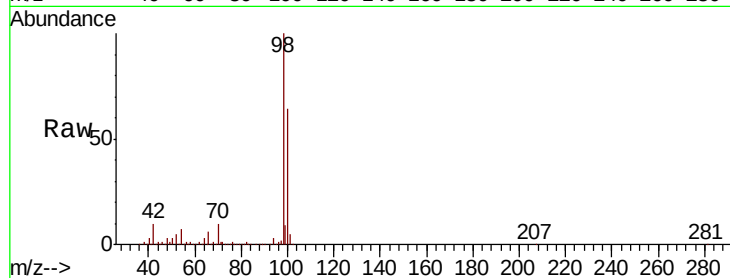
ClientSampled :

Tot Ion: 43 Resp: 2321

Ion Ratio Lower Upper

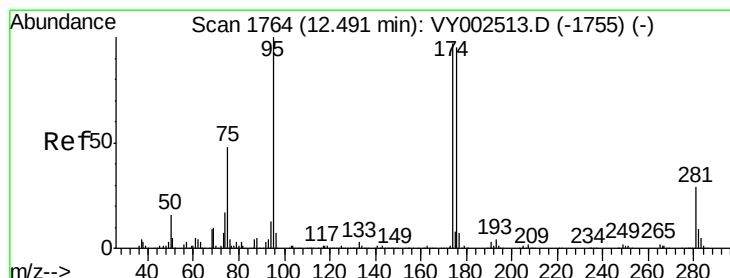
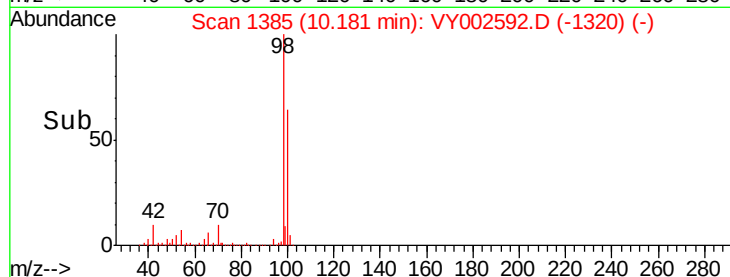
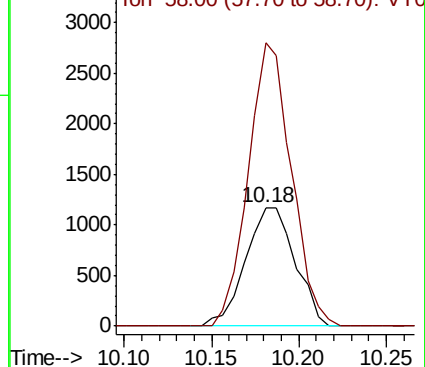
43 100

58 208.2 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: 50.460 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002592.D

Acq: 05 May 2020 17:20

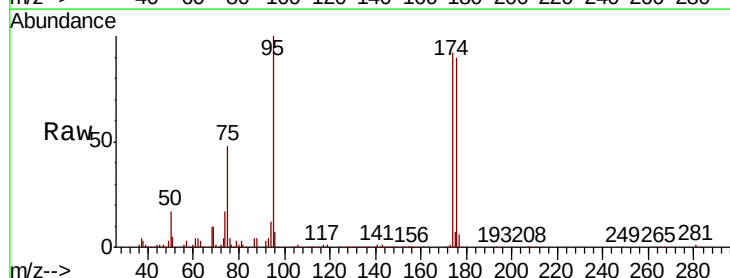
Tgt Ion: 95 Resp: 210459

Ion Ratio Lower Upper

95 100

174 91.8 0.0 188.8

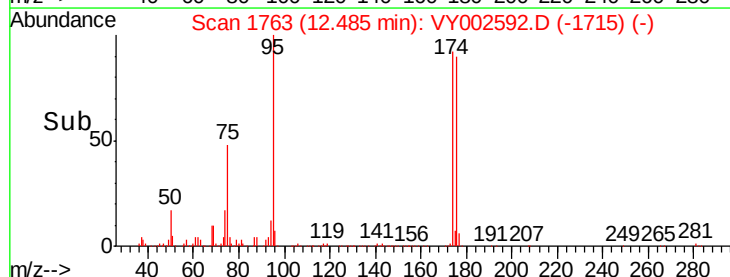
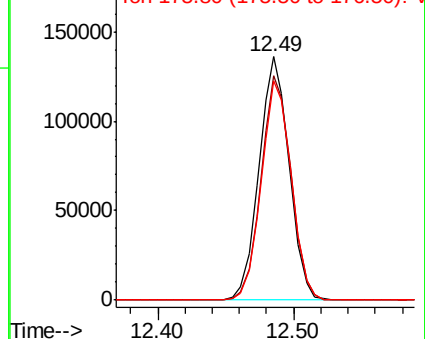
176 89.7 0.0 183.2

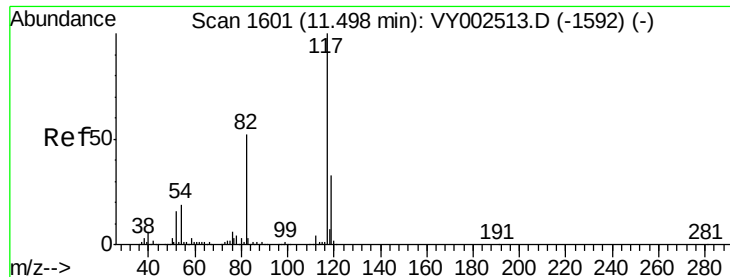


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

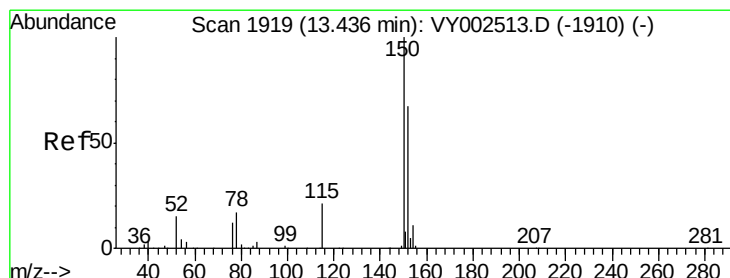
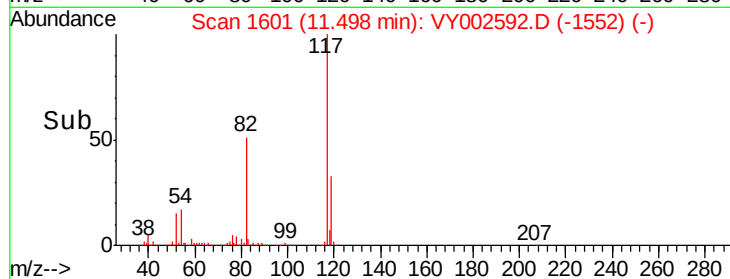
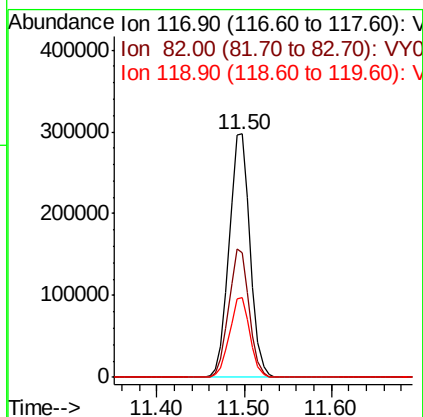
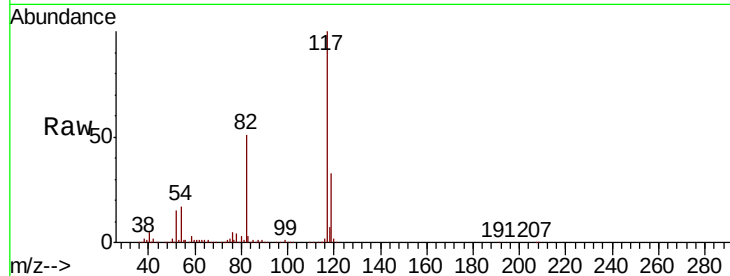




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002592.D
Acq: 05 May 2020 17:20

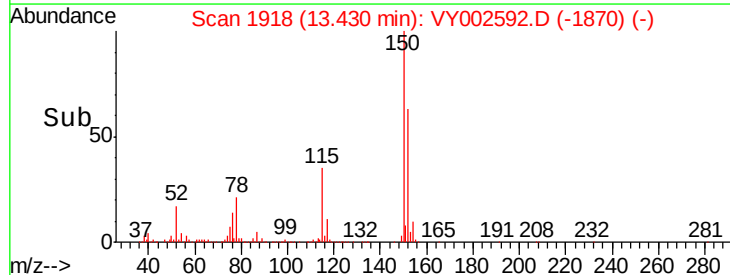
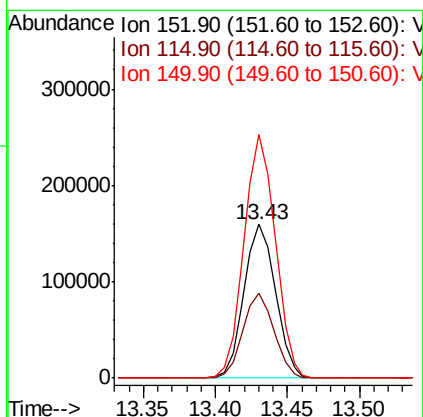
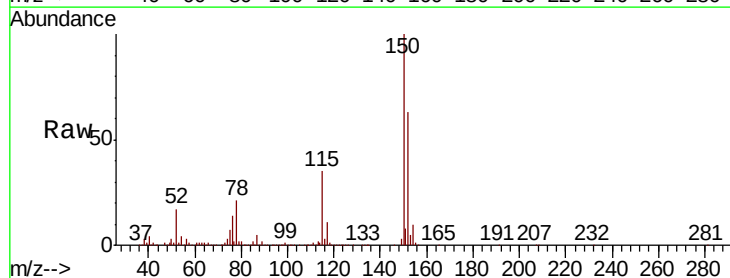
Instrument :
MSVOA_Y
ClientSampleId :

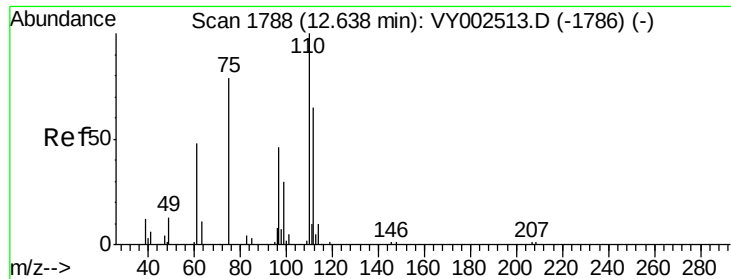
Tot Ion:117 Resp: 494083
Ion Ratio Lower Upper
117 100
82 51.4 41.3 61.9
119 32.6 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002592.D
Acq: 05 May 2020 17:20

Tgt Ion:152 Resp: 242495
Ion Ratio Lower Upper
152 100
115 54.5 27.5 82.4
150 157.1 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 46.899 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002592.D

Acq: 05 May 2020 17:20

Instrument :

MSVOA_Y

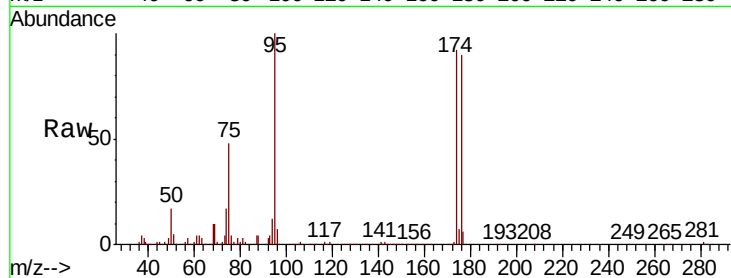
ClientSampleId :

Tot Ion: 75 Resp: 101066

Ion Ratio Lower Upper

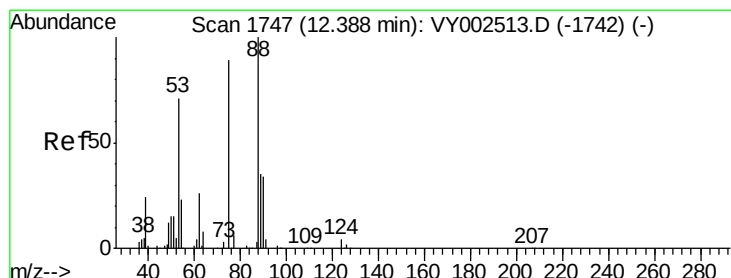
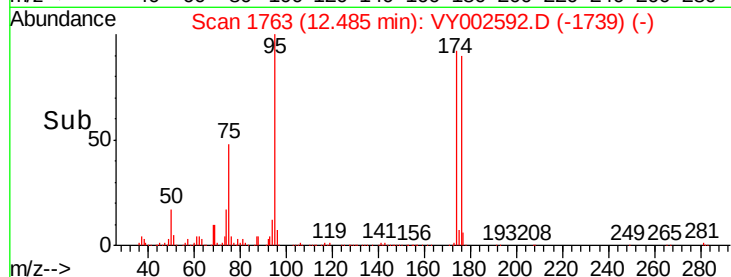
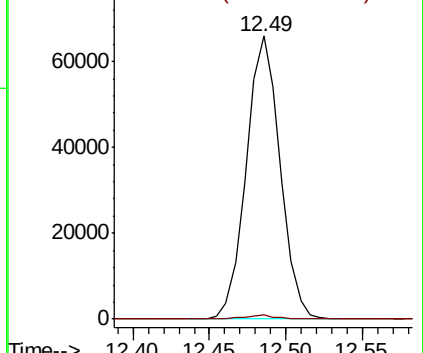
75 100

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: 94.041 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002592.D

Acq: 05 May 2020 17:20

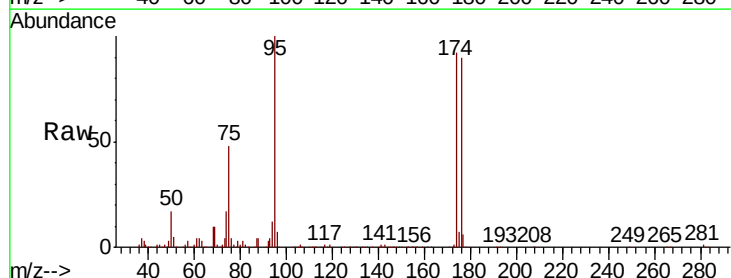
Tgt Ion: 75 Resp: 101066

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.0 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

