

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\
 Data File : VY002597.D
 Acq On : 05 May 2020 19:12
 Operator : SY/MD
 Sample : L2490-01
 Misc : 5.60G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 06 03:22:31 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	345689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	532512	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	461755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	206030	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	142112	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
35) Dibromofluoromethane	7.73	113	156700	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
50) Toluene-d8	10.19	98	621101	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
62) 4-Bromofluorobenzene	12.49	95	186663	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	

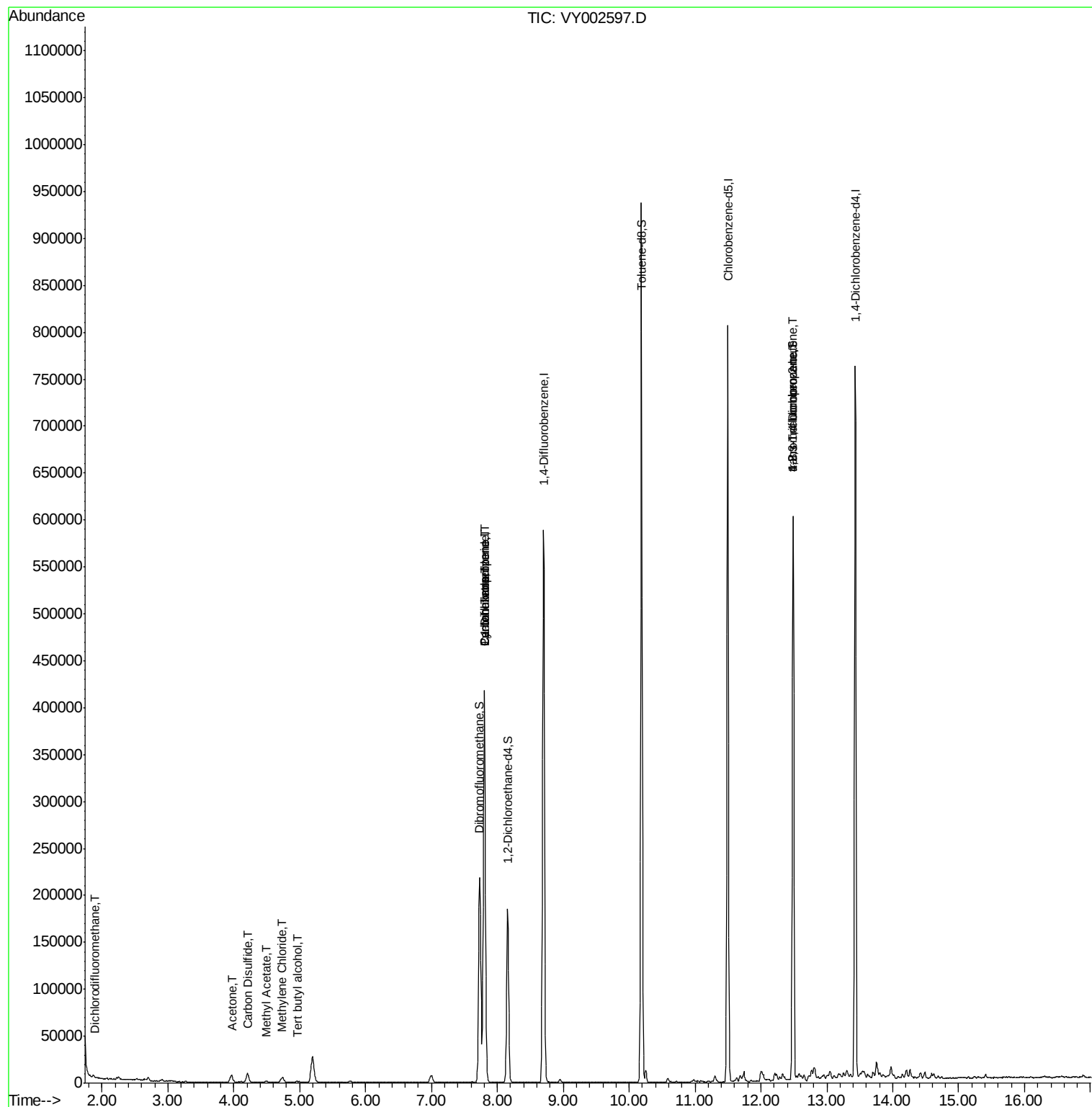
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	45	1.800	ug/l #	43
11) Tert butyl alcohol	4.97	59	1777	5.942	ug/l #	77
16) Acetone	3.96	43	13509	22.520	ug/l	96
17) Carbon Disulfide	4.21	76	19543	2.183	ug/l	95
18) Methyl Acetate	4.49	43	2382	1.188	ug/l #	73
20) Methylene Chloride	4.73	84	4263	1.271	ug/l	90
31) Cyclohexane	7.80	56	5416	1.037	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	22084	4.947	ug/l #	48
38) Carbon Tetrachloride	7.80	117	30352	6.228	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	91054	49.731	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	91054	99.721	ug/l #	15

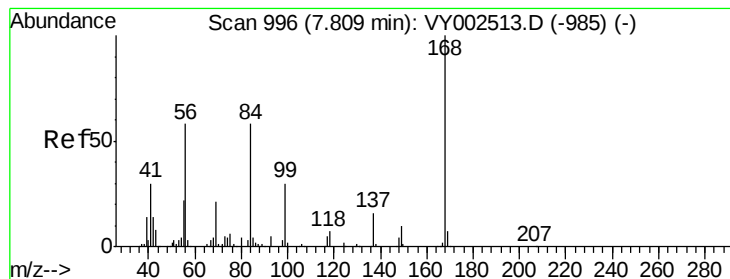
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 06 03:22:31 2020
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: VY002597.D

Acq: 05 May 2020 19:12

Instrument :

MSVOA_Y

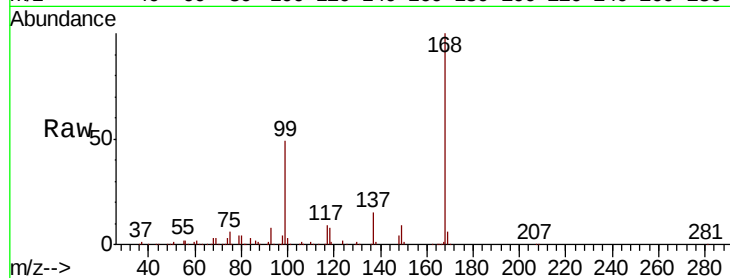
ClientSampleId :

Tot Ion:168 Resp: 345689

Ion Ratio Lower Upper

168 100

99 48.6 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

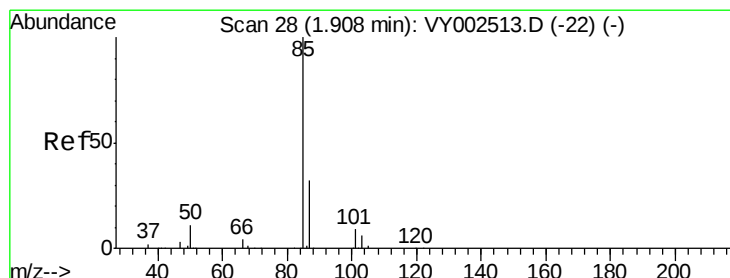
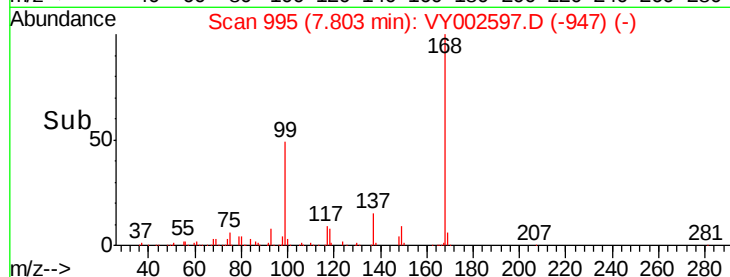
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.800 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002597.D

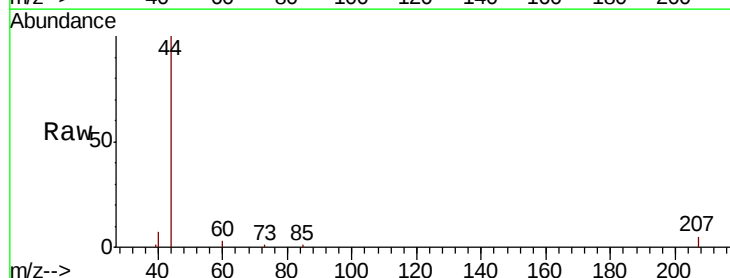
Acq: 05 May 2020 19:12

Tgt Ion: 85 Resp: 45

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

80

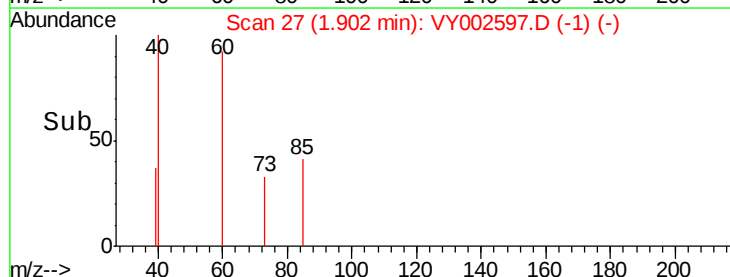
60

40

20

0

Time-->



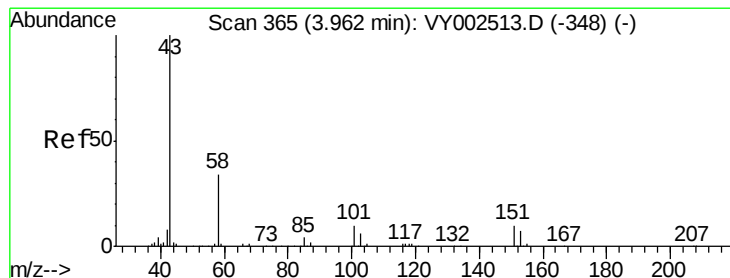
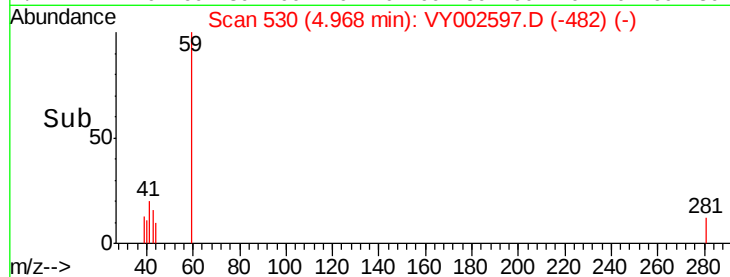
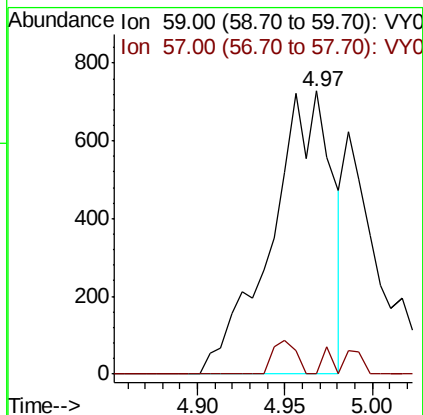
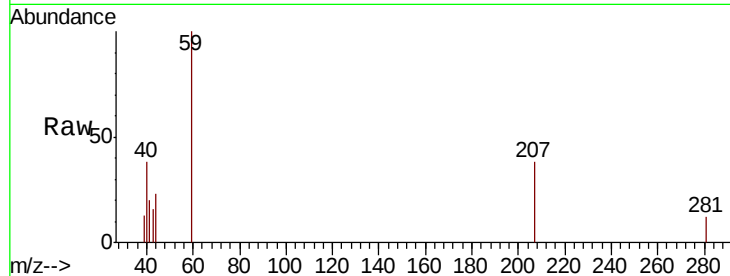


#11

Tert butyl alcohol
 Concen: 5.942 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY002597.D
 Acq: 05 May 2020 19:12

Instrument :
 MSVOA_Y
 ClientSampled :

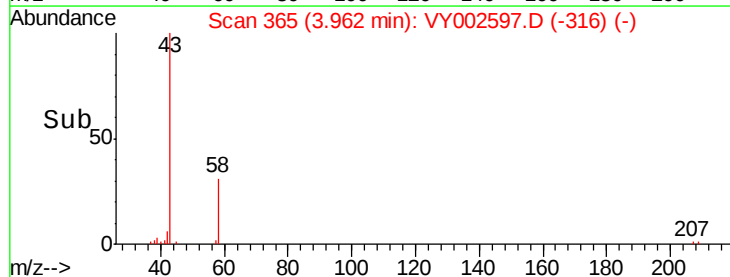
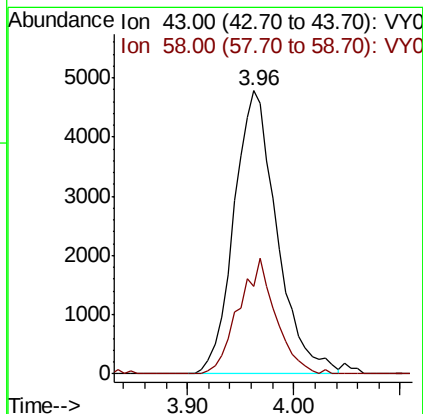
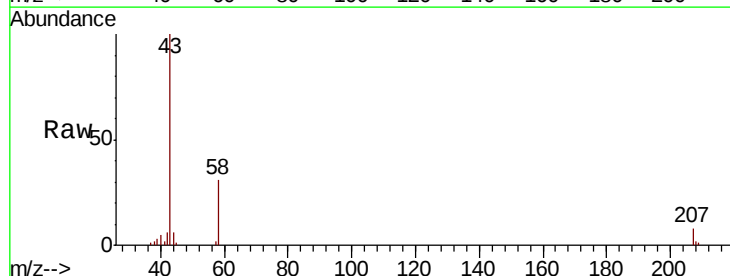
Tot Ion: 59 Resp: 1777
 Ion Ratio Lower Upper
 59 100
 57 1.4 7.8 11.6#

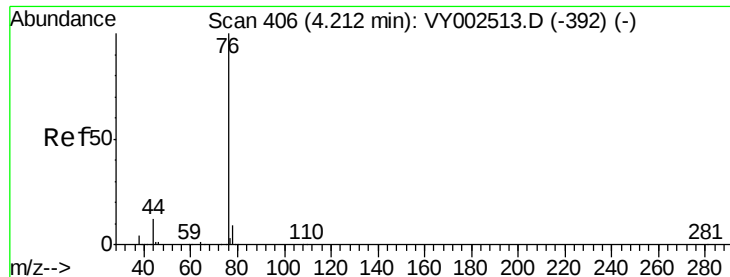


#16

Acetone
 Concen: 22.520 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VY002597.D
 Acq: 05 May 2020 19:12

Tgt Ion: 43 Resp: 13509
 Ion Ratio Lower Upper
 43 100
 58 31.1 26.9 40.3

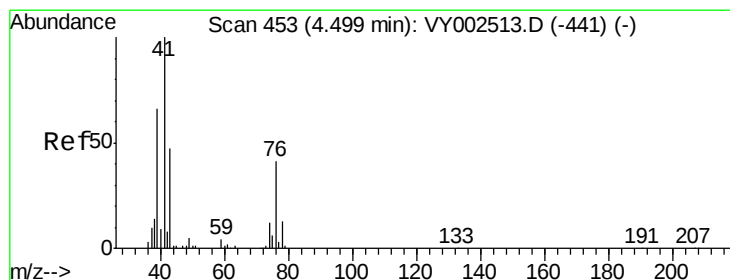
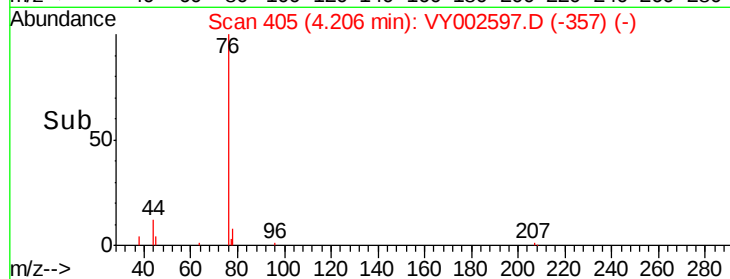
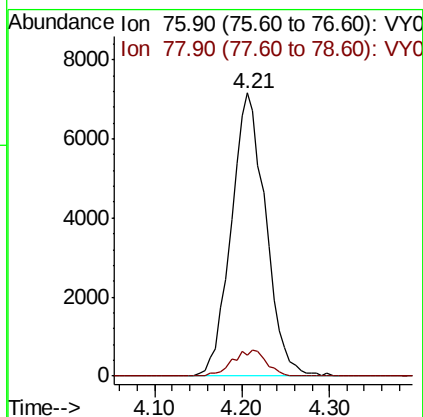
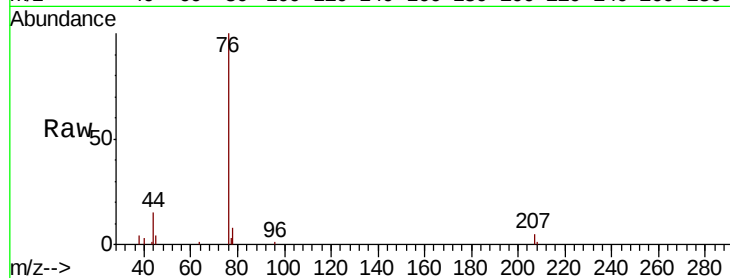




#17
Carbon Disulfide
Concen: 2.183 ug/l
RT: 4.21 min Scan# 405
Delta R.T. -0.01 min
Lab File: VY002597.D
Acq: 05 May 2020 19:12

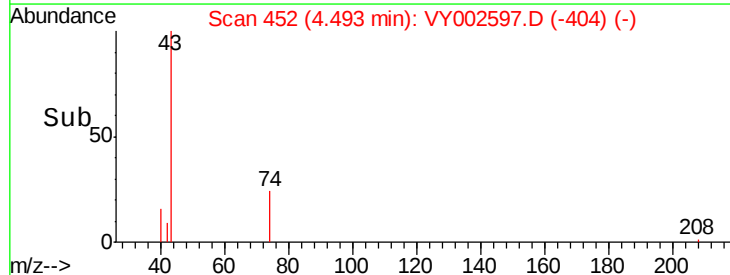
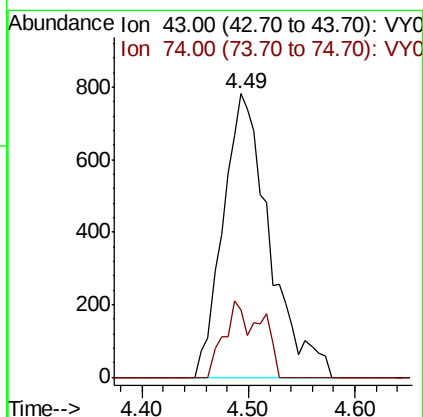
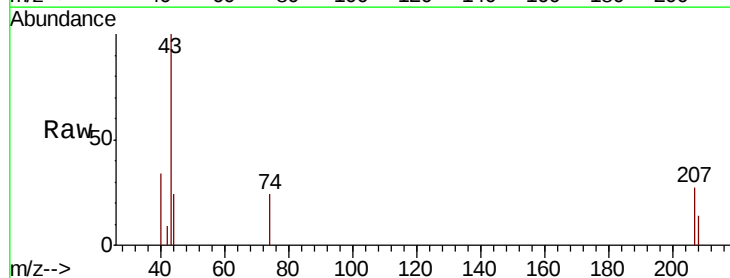
Instrument :
MSVOA_Y
ClientSampleId :

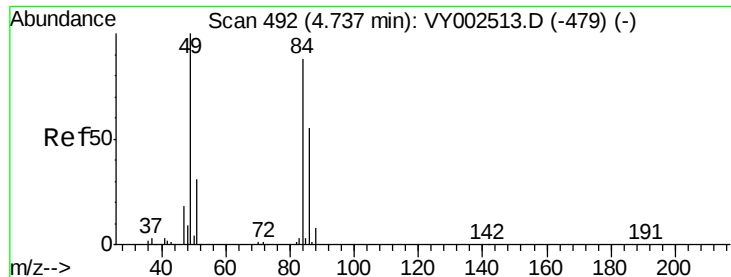
Tot Ion: 76 Resp: 19543
Ion Ratio Lower Upper
76 100
78 7.5 7.4 11.2



#18
Methyl Acetate
Concen: 1.188 ug/l
RT: 4.49 min Scan# 452
Delta R.T. -0.01 min
Lab File: VY002597.D
Acq: 05 May 2020 19:12

Tgt Ion: 43 Resp: 2382
Ion Ratio Lower Upper
43 100
74 12.6 21.2 31.8#

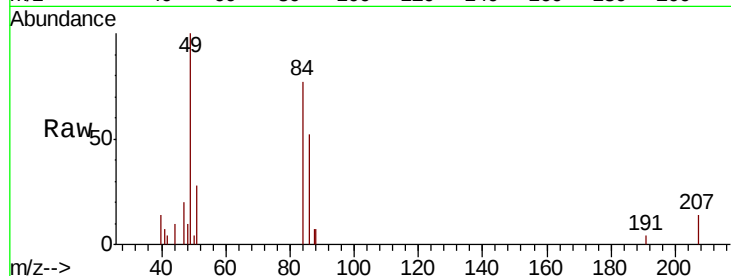




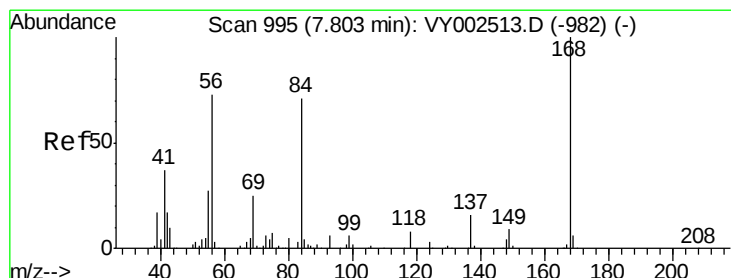
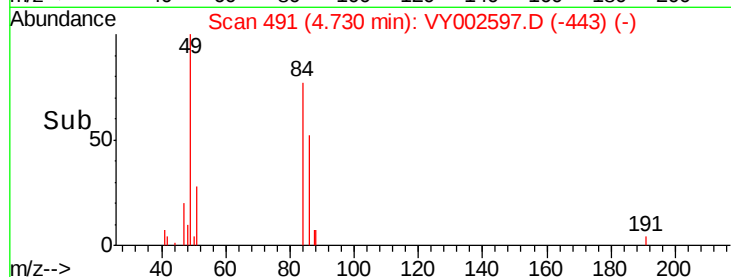
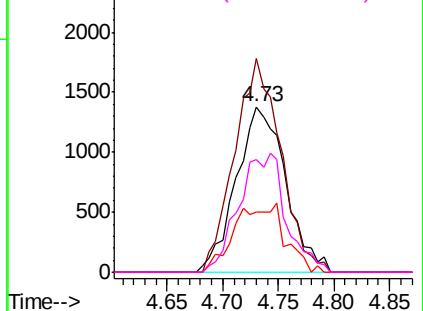
#20
Methvlene Chloride
Concen: 1.271 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002597.D
Acq: 05 May 2020 19:12

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:	84	Resp:	4263
Ion	Ratio	Lower	Upper
84	100		
49	129.3	90.5	135.7
51	36.5	28.3	42.5
86	67.8	49.9	74.9

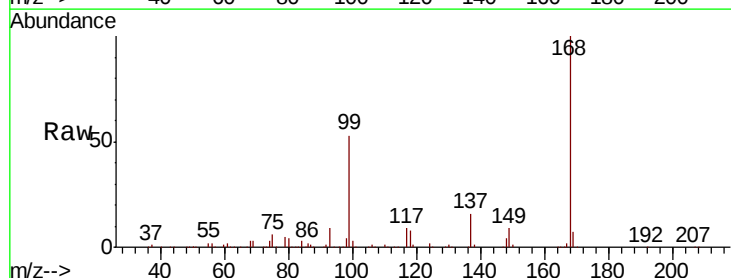


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

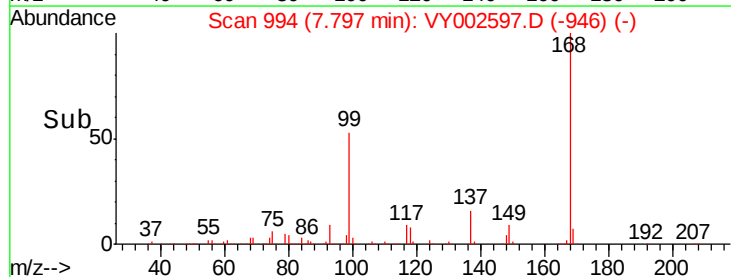
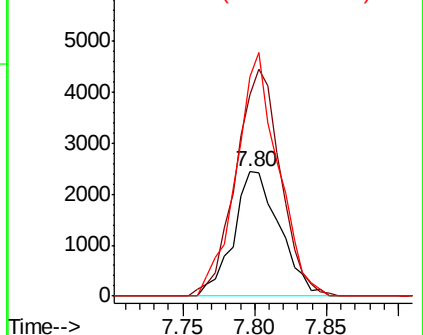


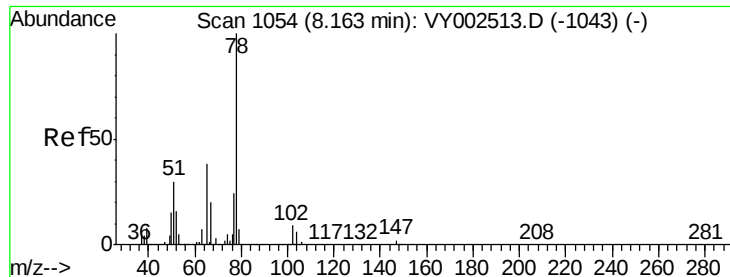
#31
Cyclohexane
Concen: 1.037 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY002597.D
Acq: 05 May 2020 19:12

Tgt Ion:	56	Resp:	5416
Ion	Ratio	Lower	Upper
56	100		
69	161.4	27.6	41.4#
84	176.3	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

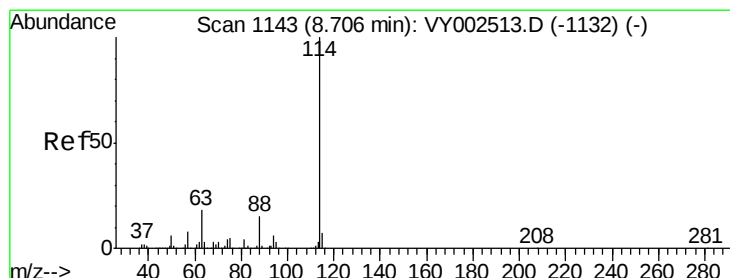
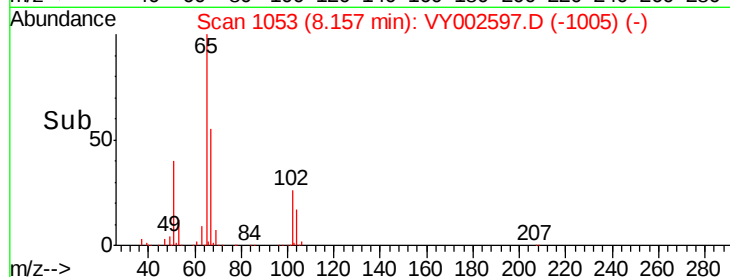
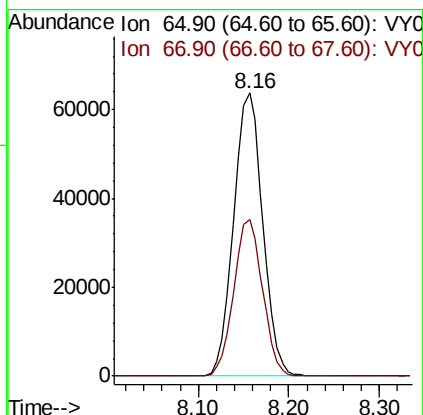
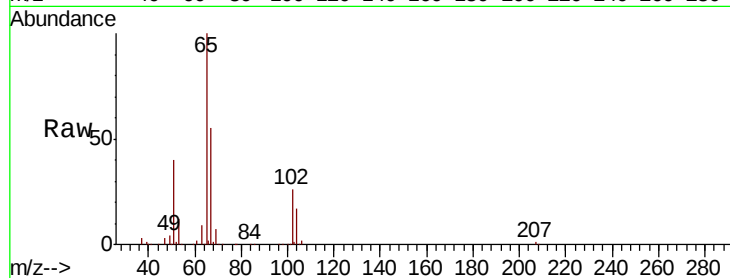




#33
 1,2-Dichloroethane-d4
 Concen: 48.893 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY002597.D
 Acq: 05 May 2020 19:12

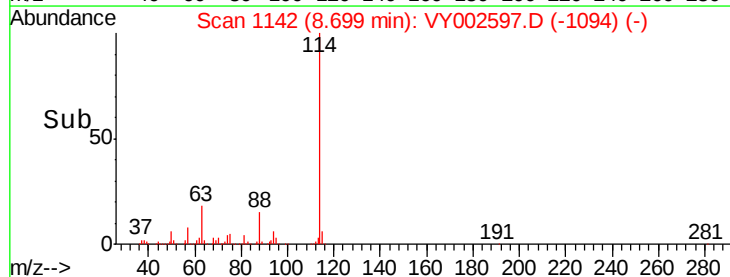
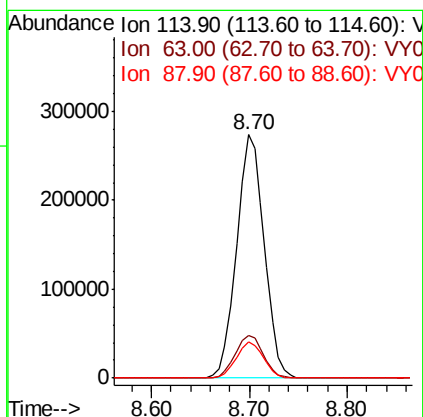
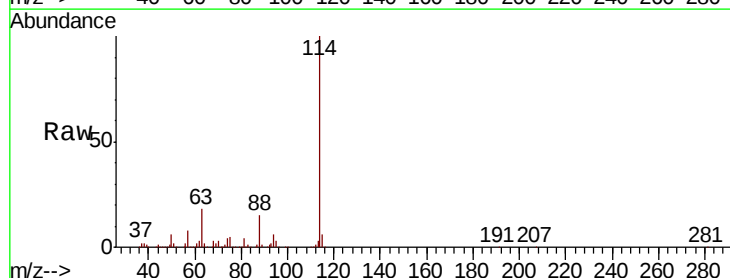
Instrument :
 MSVOA_Y
 ClientSampleId :

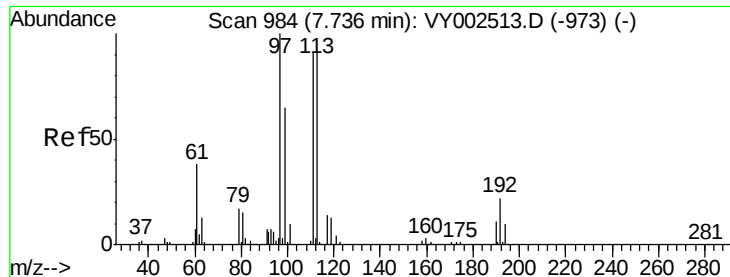
Tot Ion: 65 Resp: 142112
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002597.D
 Acq: 05 May 2020 19:12

Tgt Ion: 114 Resp: 532512
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.4
 88 14.8 0.0 29.6

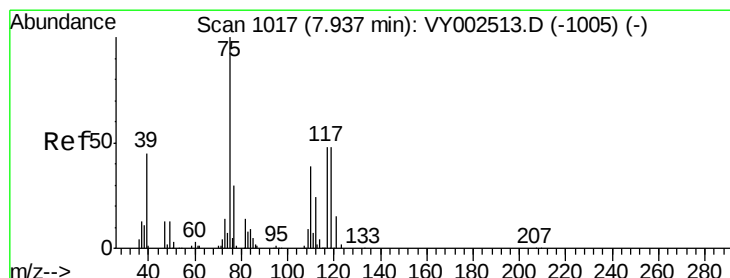
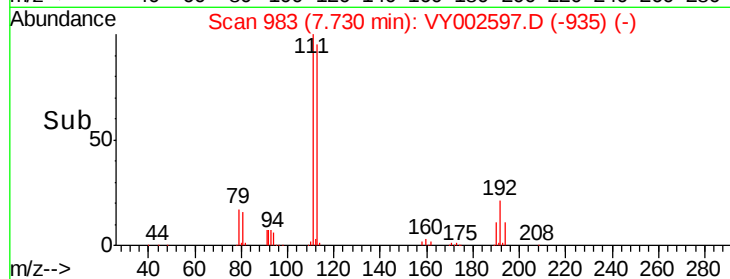
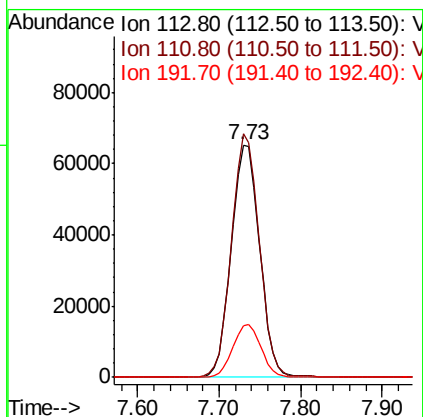
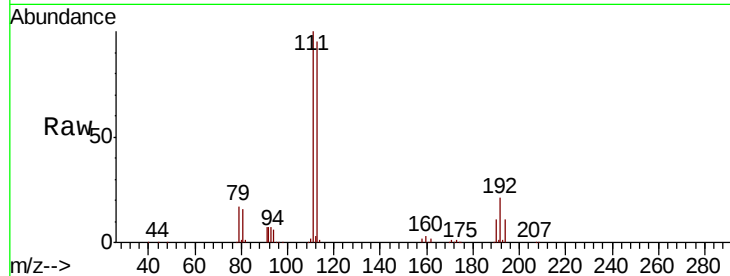




#35
 Dibromofluoromethane
 Concen: 51.454 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002597.D
 Acq: 05 May 2020 19:12

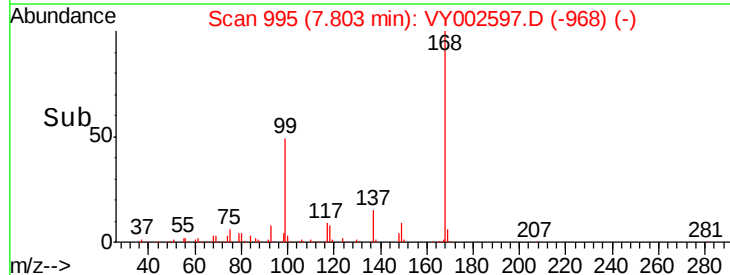
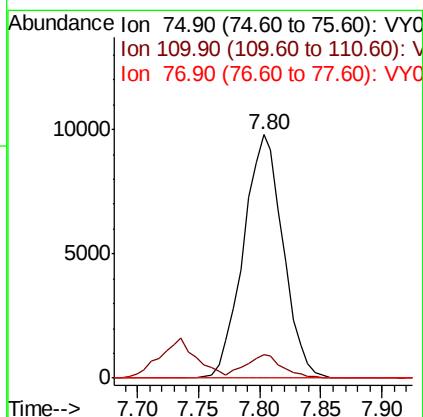
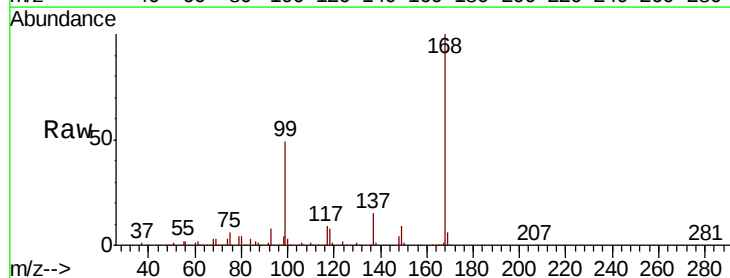
Instrument :
 MSVOA_Y
 ClientSampleId :

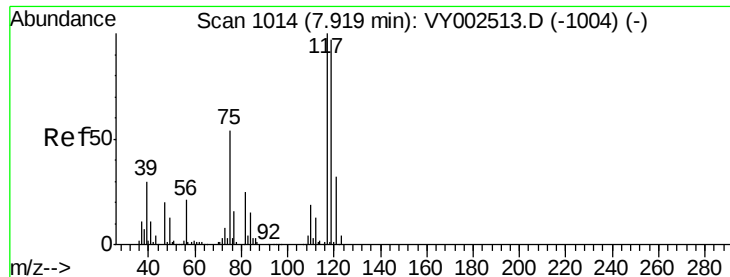
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	22.5	18.2	27.4



#36
 1,1-Dichloropropene
 Concen: 4.947 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002597.D
 Acq: 05 May 2020 19:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	19.1	57.3#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 6.228 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY002597.D

Acq: 05 May 2020 19:12

Instrument :

MSVOA_Y

ClientSampleId :

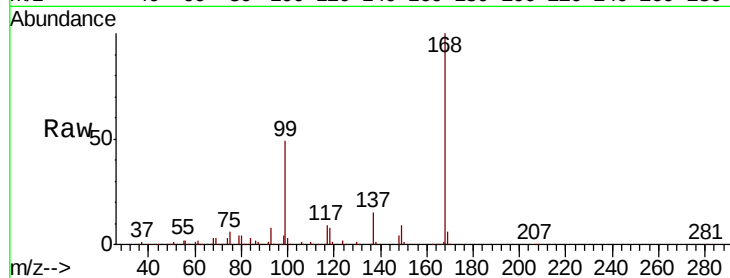
Tot Ion:117 Resp: 30352

Ion Ratio Lower Upper

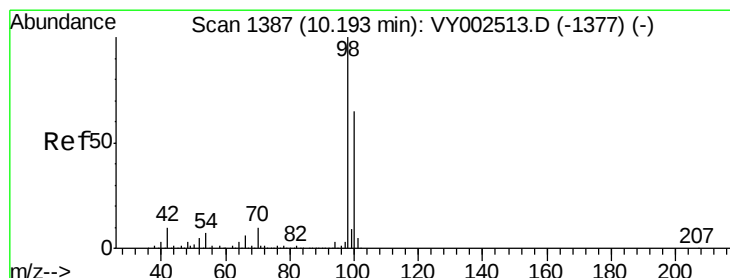
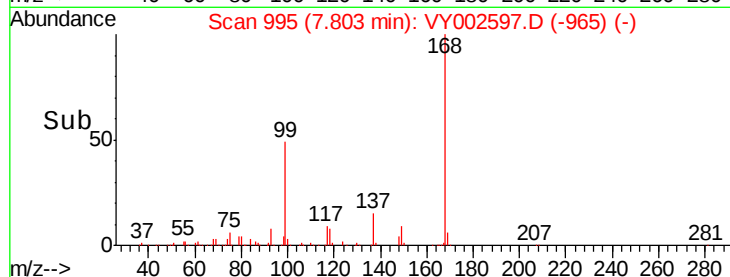
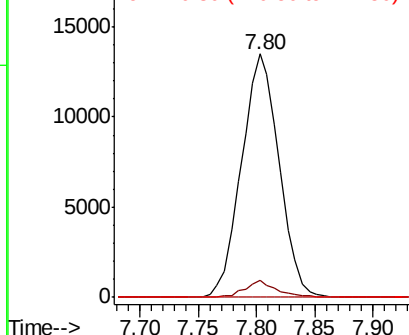
117 100

119 7.1 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: 52.224 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY002597.D

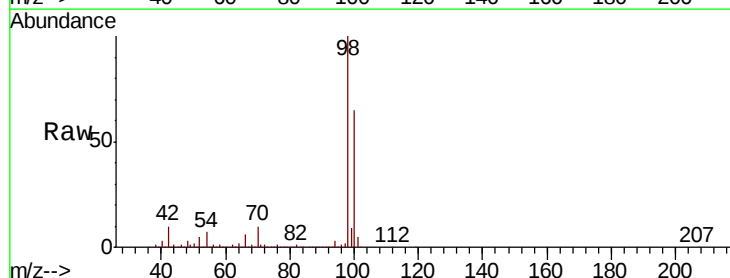
Acq: 05 May 2020 19:12

Tgt Ion: 98 Resp: 621101

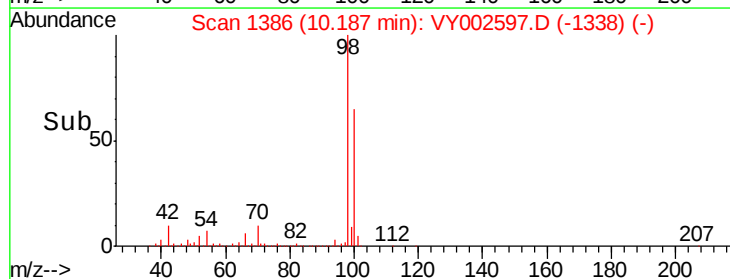
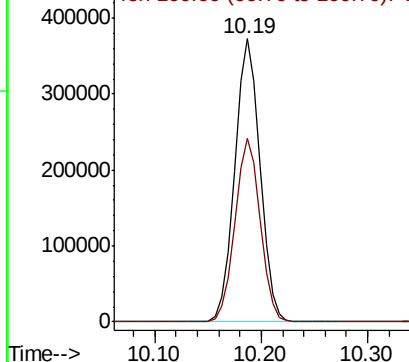
Ion Ratio Lower Upper

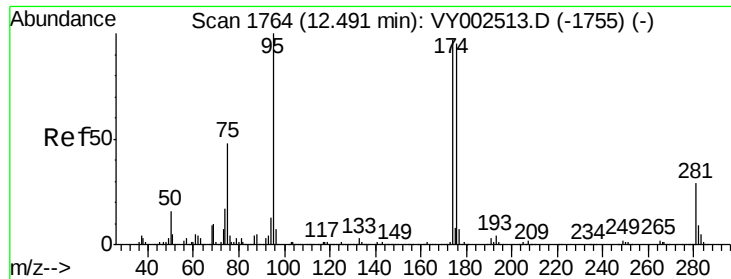
98 100

100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#62

4-Bromofluorobenzene

Concen: 46.254 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002597.D

Acq: 05 May 2020 19:12

Instrument :

MSVOA_Y

ClientSampleId :

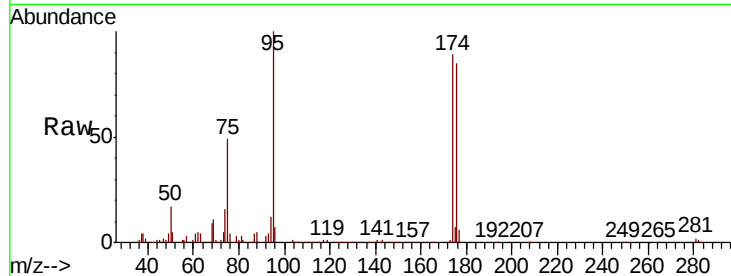
Tot Ion: 95 Resp: 186663

Ion Ratio Lower Upper

95 100

174 93.6 0.0 188.8

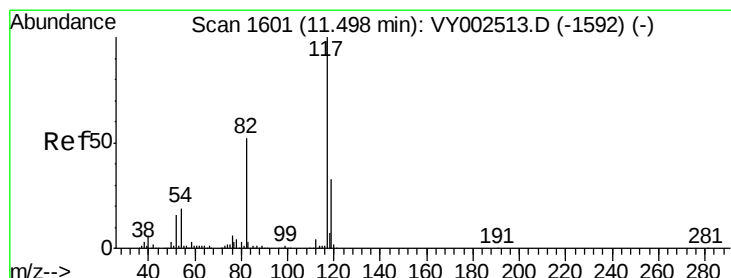
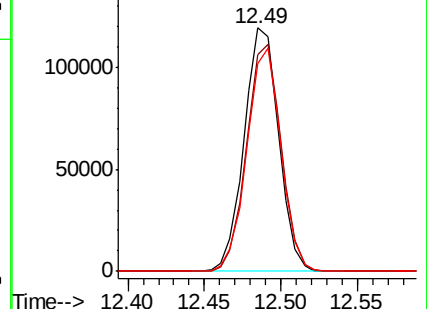
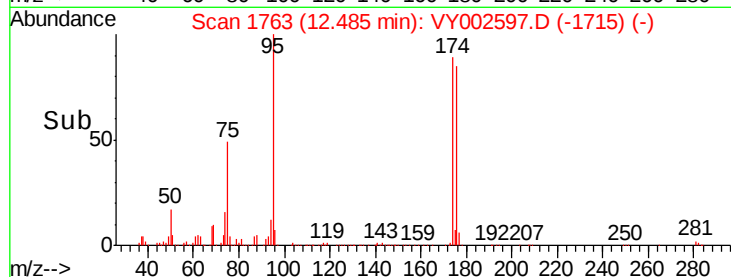
176 90.5 0.0 183.2



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: 11.50 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VY002597.D

Acq: 05 May 2020 19:12

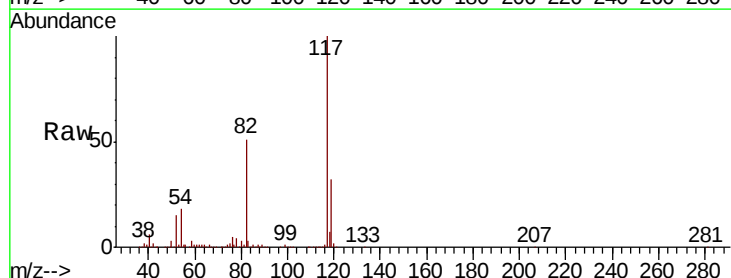
Tgt Ion: 117 Resp: 461755

Ion Ratio Lower Upper

117 100

82 51.1 41.3 61.9

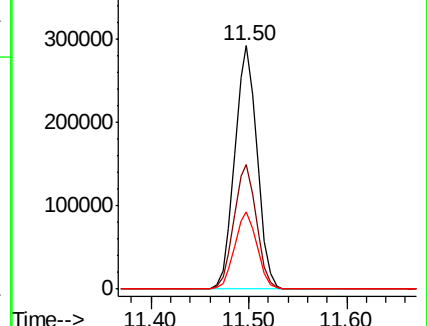
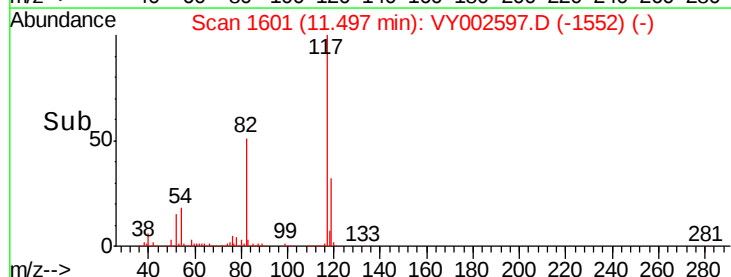
119 31.9 26.0 39.0

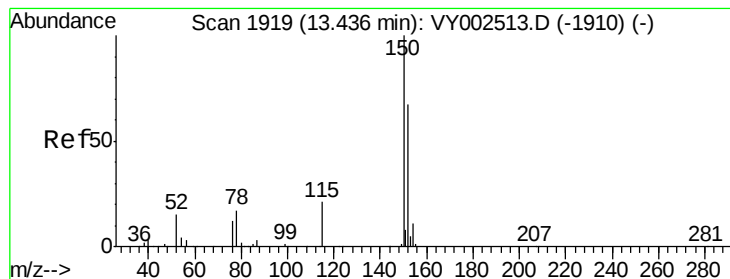


Abundance Ion 116.90 (116.60 to 117.60): VY002513.D (-1592) (-)

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

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



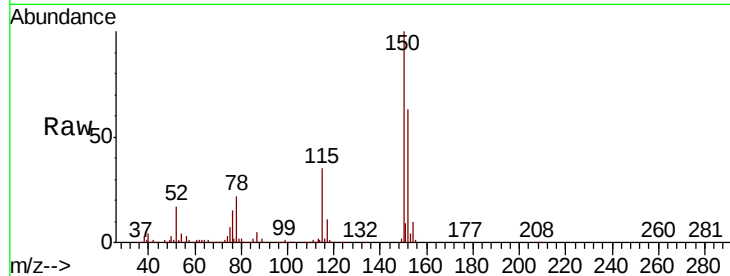


#72

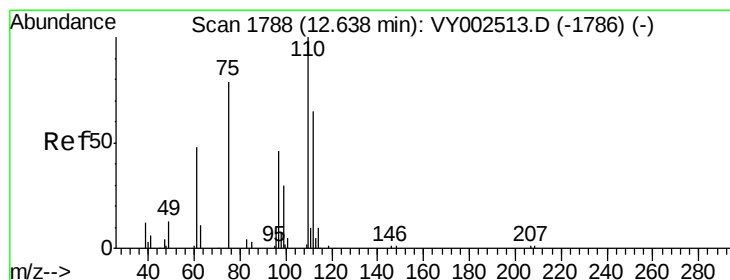
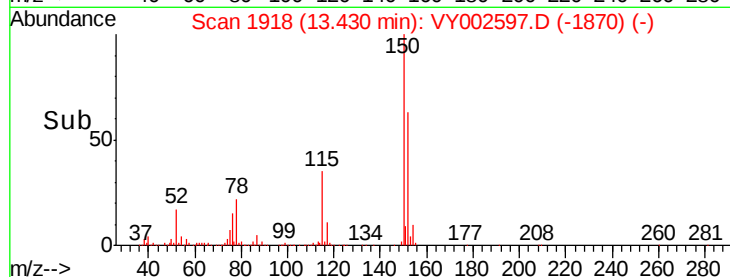
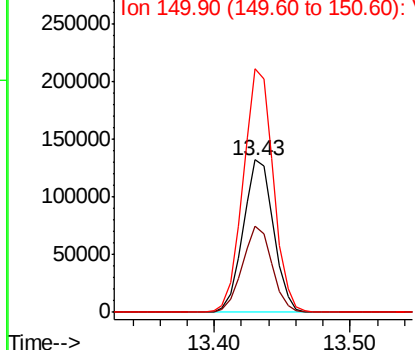
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002597.D
Acq: 05 May 2020 19:12

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 206030
Ion Ratio Lower Upper
152 100
115 54.9 27.5 82.4
150 158.5 0.0 346.4



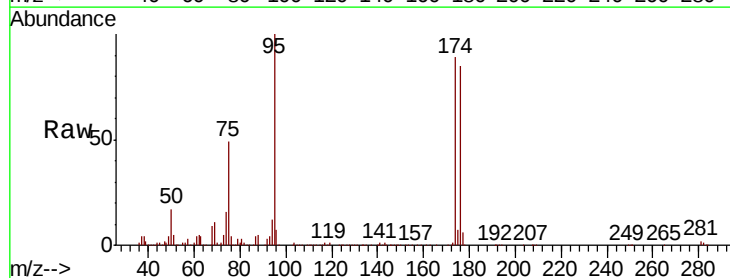
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



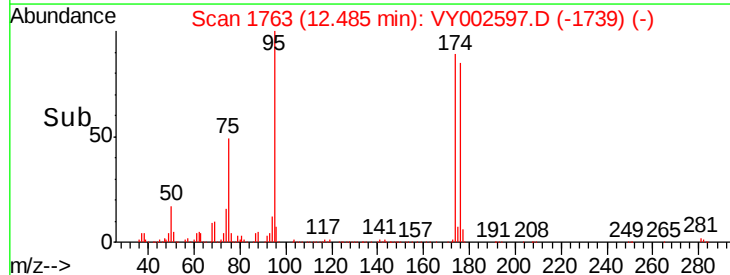
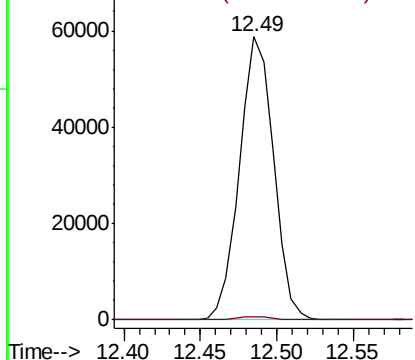
#76

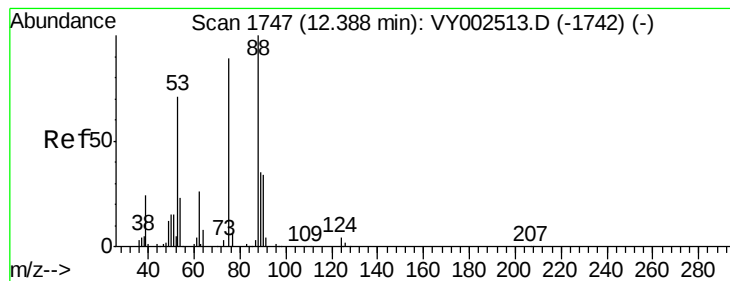
1,2,3-Trichloropropane
Concen: 49.731 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.15 min
Lab File: VY002597.D
Acq: 05 May 2020 19:12

Tgt Ion: 75 Resp: 91054
Ion Ratio Lower Upper
75 100
77 1.2 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: 99.721 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002597.D

Acq: 05 May 2020 19:12

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 91054

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.1 37.4 56.0#

