

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
 Data File : VY000580.D
 Acq On : 07 Nov 2019 15:05
 Operator : SY/MD
 Sample : K5741-02
 Misc : 5.10G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 03:47:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	244031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	450460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	395903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	172101	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	149130	59.05	ug/l	0.00
Spiked Amount			Recovery	=	118.10%	
35) Dibromofluoromethane	7.73	113	136055	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
50) Toluene-d8	10.18	98	524317	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.48	95	178588	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	

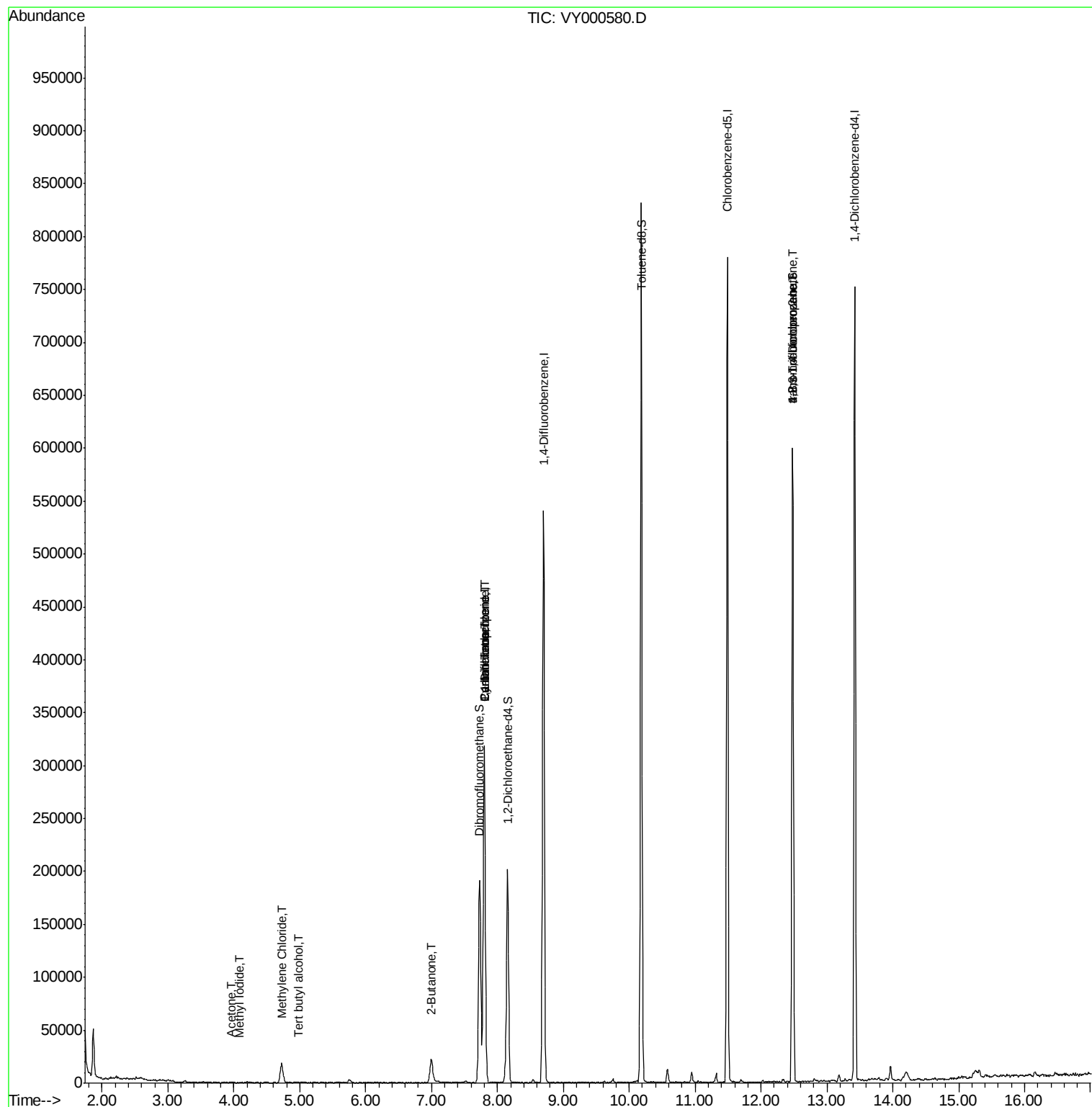
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.09	142	166	3.246	ug/l #	41
11) Tert butyl alcohol	4.99	59	1005	4.088	ug/l #	77
16) Acetone	3.96	43	1771	2.544	ug/l	99
20) Methylene Chloride	4.72	84	12484	4.186	ug/l #	88
25) 2-Butanone	6.99	43	1514	1.363	ug/l #	49
31) Cyclohexane	7.80	56	6276	1.284	ug/l #	18
36) 1,1-Dichloropropene	7.80	75	20554	4.827	ug/l #	49
38) Carbon Tetrachloride	7.80	117	25914	6.324	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	97213	49.608	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	97213	111.229	ug/l #	13

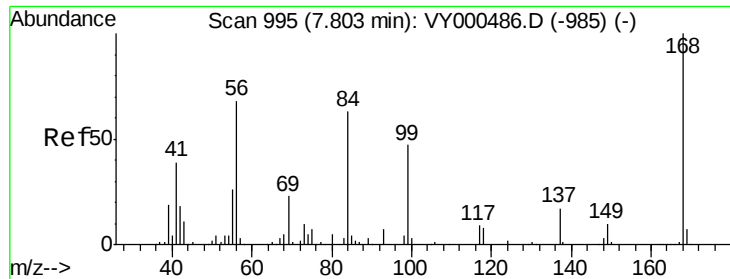
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000580.D

Acq: 07 Nov 2019 15:05

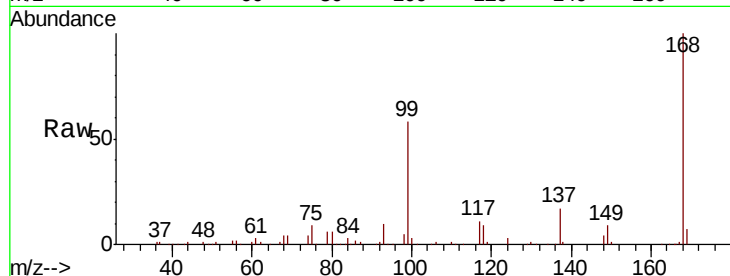
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 244031

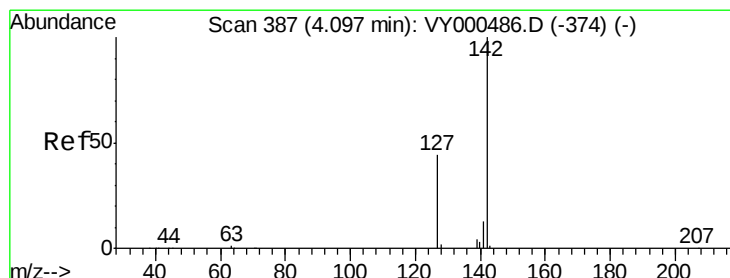
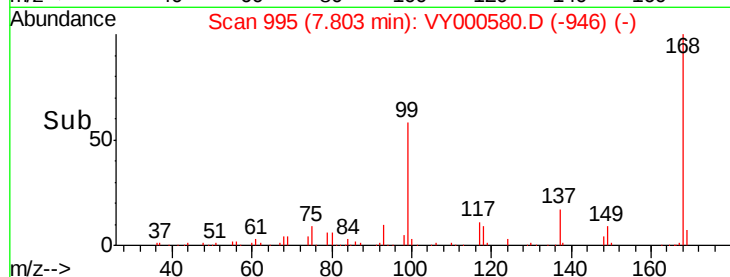
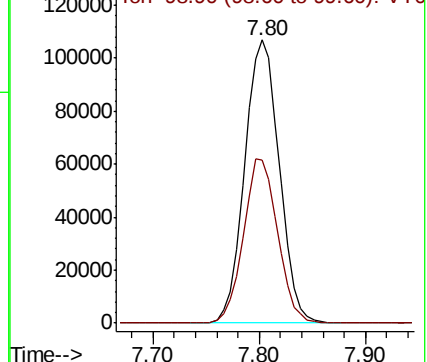
Ion Ratio Lower Upper

168 100

99 57.7 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 3.246 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000580.D

Acq: 07 Nov 2019 15:05

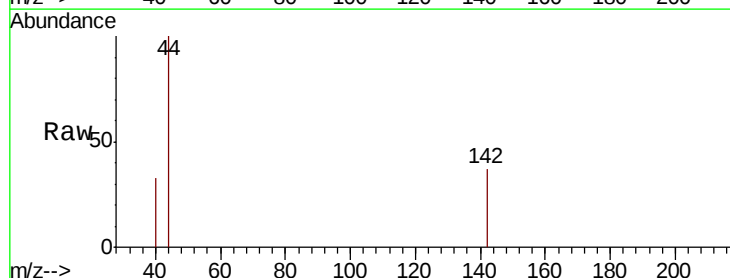
Tgt Ion:142 Resp: 166

Ion Ratio Lower Upper

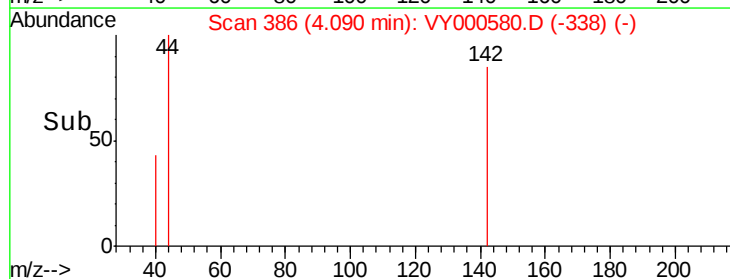
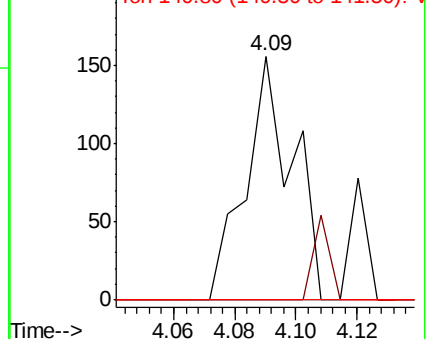
142 100

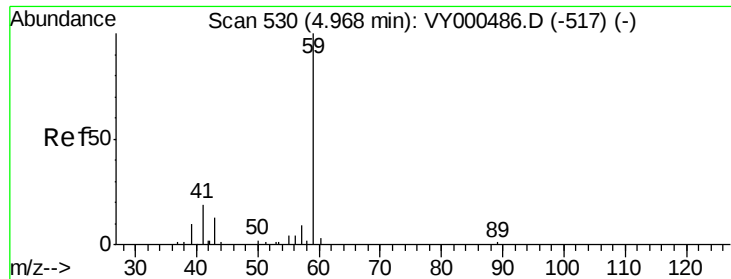
127 0.0 33.7 50.5#

141 0.0 10.9 16.3#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

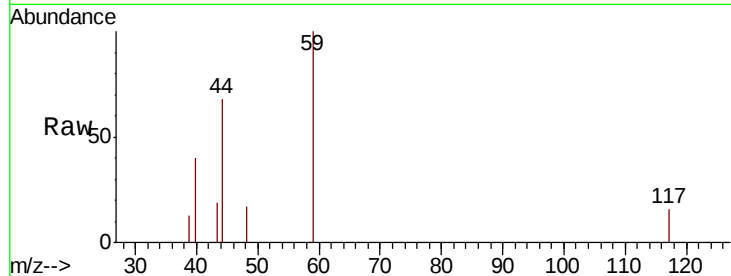




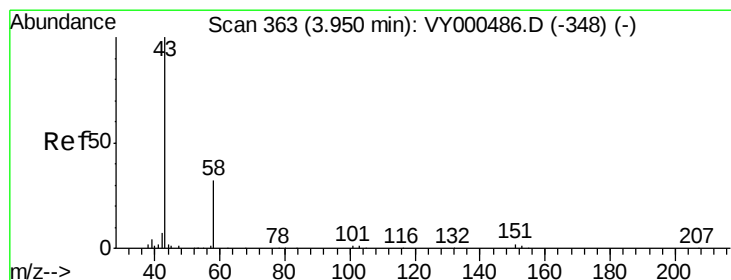
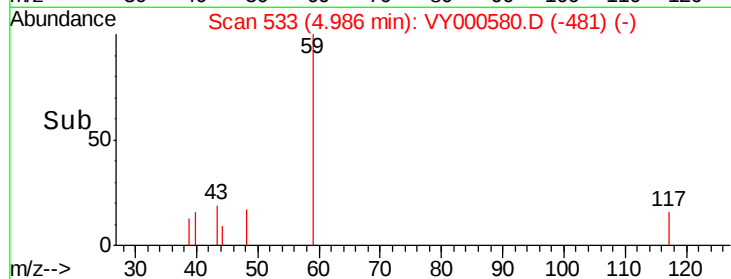
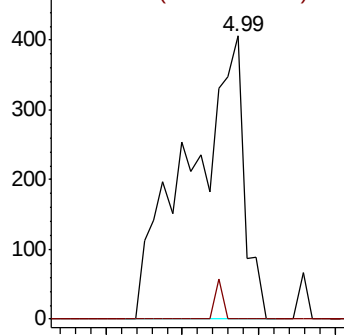
#11
Tert butyl alcohol
Concen: 4.088 ug/l
RT: 4.99 min Scan# 533
Delta R.T. 0.02 min
Lab File: VY000580.D
Acq: 07 Nov 2019 15:05

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 59 Resp: 1005
Ion Ratio Lower Upper
59 100
57 2.1 8.6 12.8#

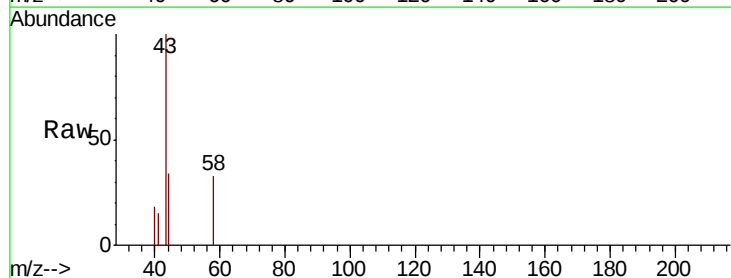


Abundance Ion 59.00 (58.70 to 59.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

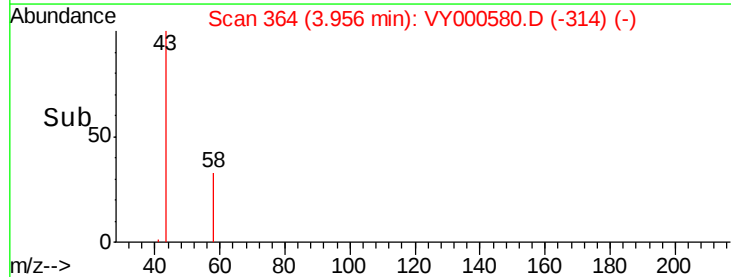
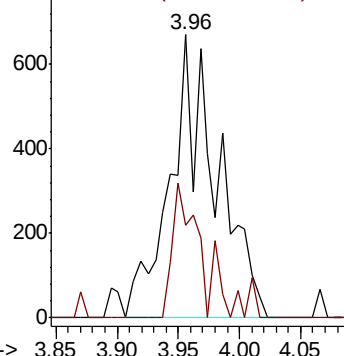


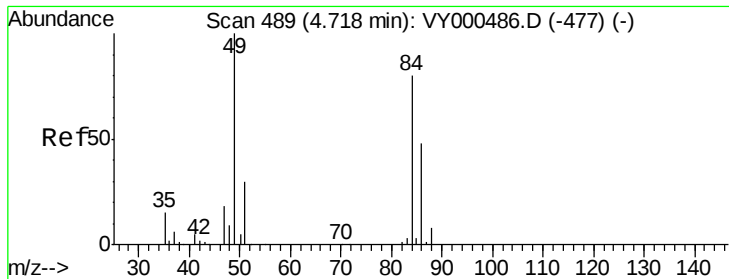
#16
Acetone
Concen: 2.544 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY000580.D
Acq: 07 Nov 2019 15:05

Tgt Ion: 43 Resp: 1771
Ion Ratio Lower Upper
43 100
58 32.8 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

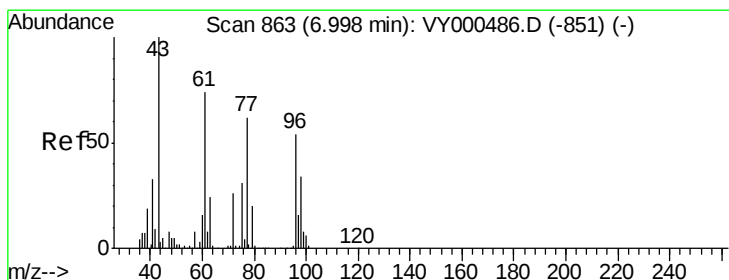
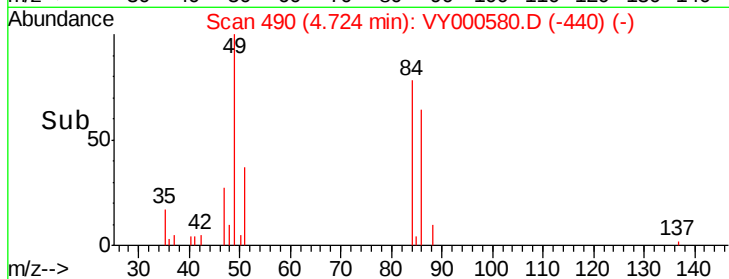
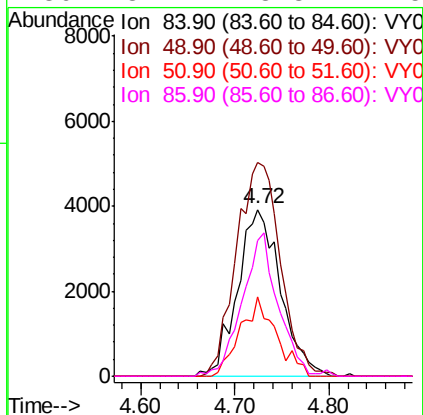
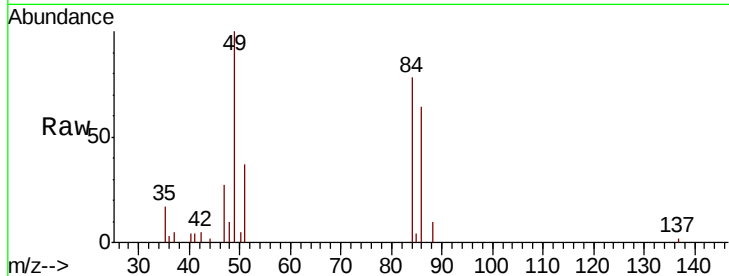




#20
Methylene Chloride
Concen: 4.186 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000580.D
Acq: 07 Nov 2019 15:05

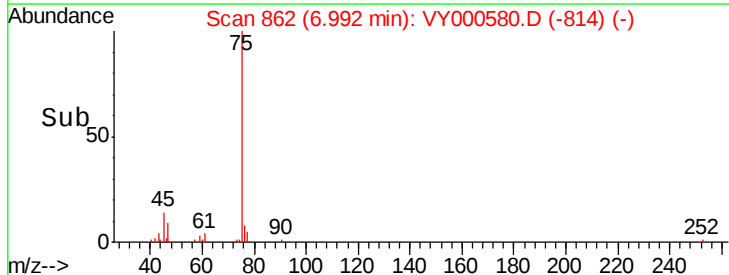
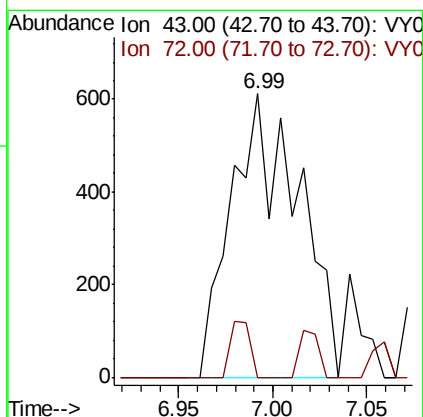
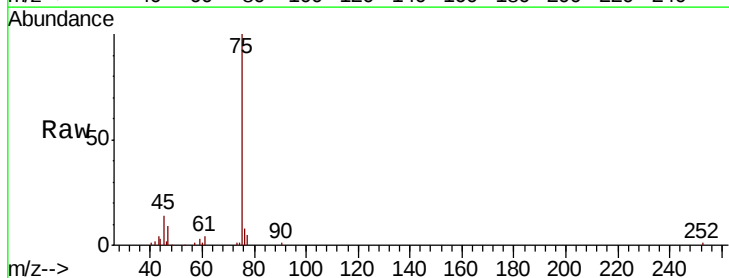
Instrument :
MSVOA_Y
ClientSampleId :

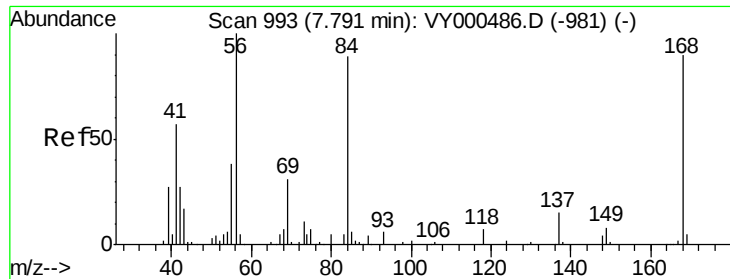
Tot Ion: 84 Resp: 12484
Ion Ratio Lower Upper
84 100
49 128.0 100.2 150.4
51 47.2 29.6 44.4#
86 81.7 48.3 72.5#



#25
2-Butanone
Concen: 1.363 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000580.D
Acq: 07 Nov 2019 15:05

Tgt Ion: 43 Resp: 1514
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#

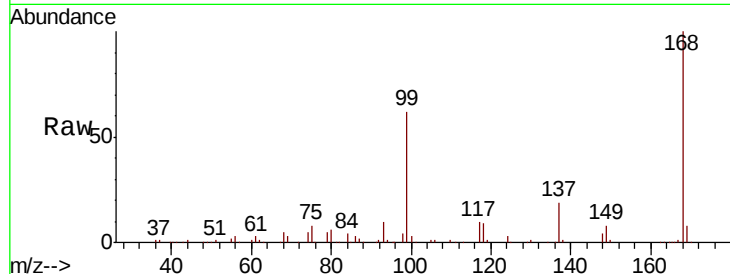




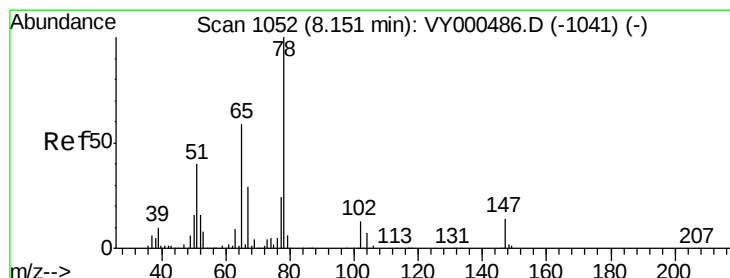
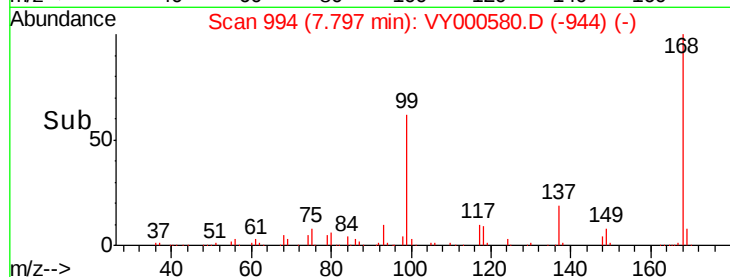
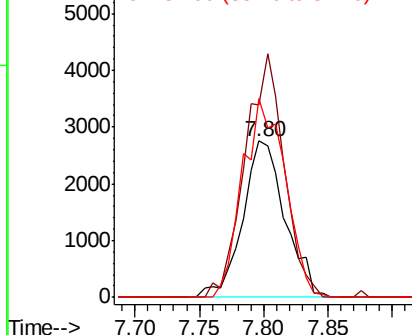
#31
Cyclohexane
Concen: 1.284 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000580.D
Acq: 07 Nov 2019 15:05

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 6276
Ion Ratio Lower Upper
56 100
69 122.9 25.0 37.6#
84 138.8 71.4 107.2#

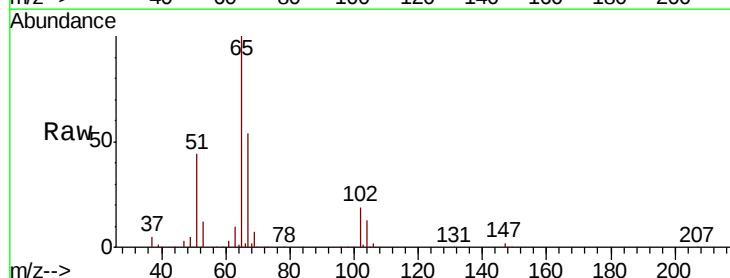


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

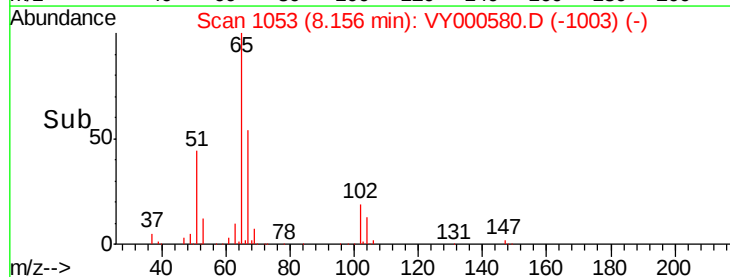
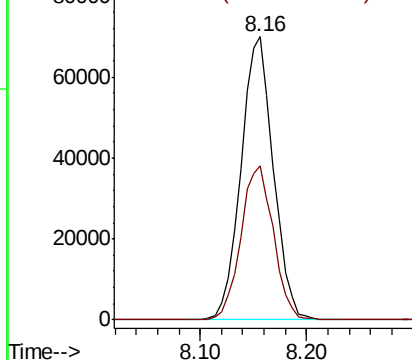


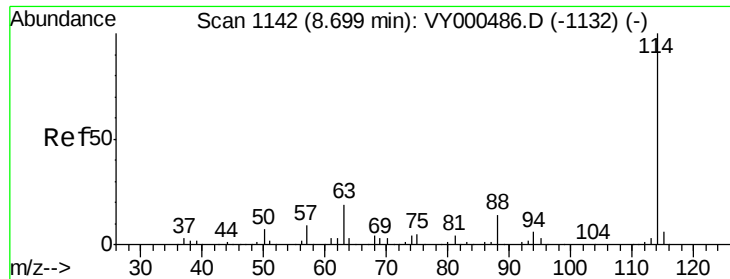
#33
1,2-Dichloroethane-d4
Concen: 59.052 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VY000580.D
Acq: 07 Nov 2019 15:05

Tgt Ion: 65 Resp: 149130
Ion Ratio Lower Upper
65 100
67 55.0 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: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000580.D

Acq: 07 Nov 2019 15:05

Instrument :

MSVOA_Y

ClientSampleId :

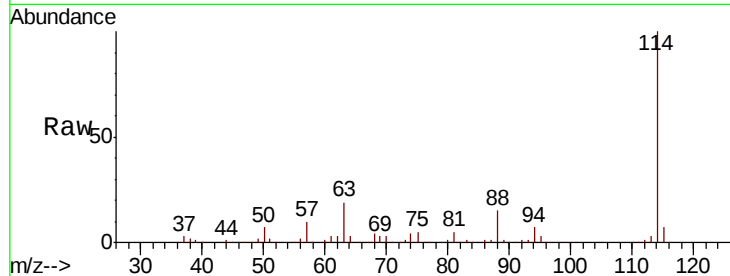
Tot Ion:114 Resp: 450460

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.0

88 14.9 0.0 28.6



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

8.70

250000

200000

150000

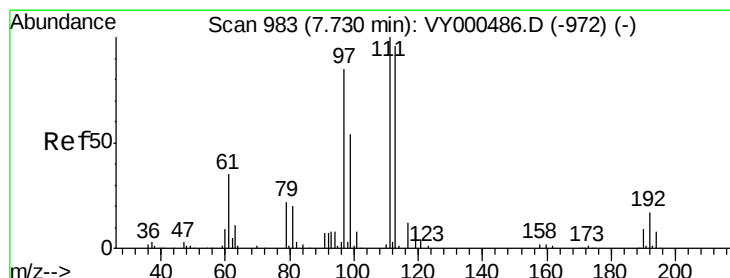
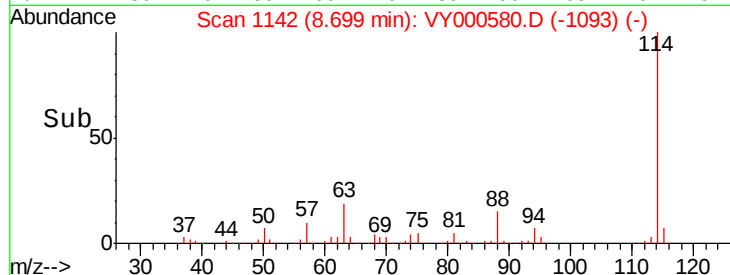
100000

50000

0

8.60 8.65 8.70 8.75 8.80

Time-->



#35

Dibromofluoromethane

Concen: 51.448 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000580.D

Acq: 07 Nov 2019 15:05

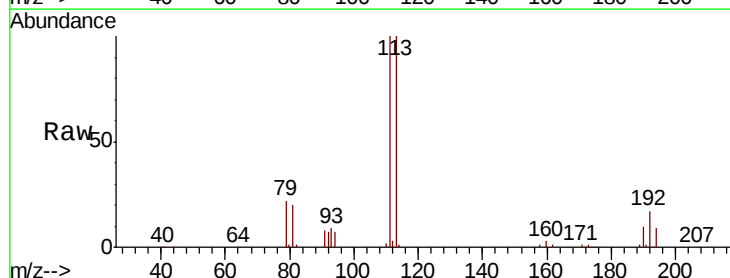
Tgt Ion:113 Resp: 136055

Ion Ratio Lower Upper

113 100

111 100.8 81.7 122.5

192 18.9 15.0 22.4



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

7.73

80000

60000

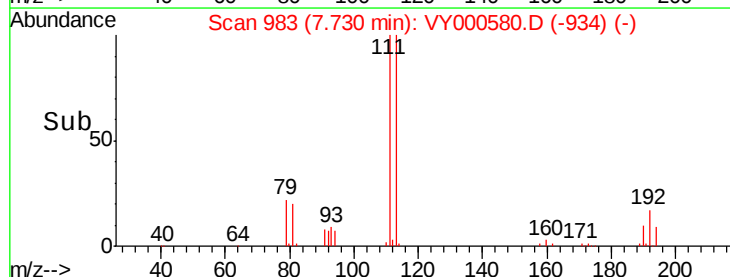
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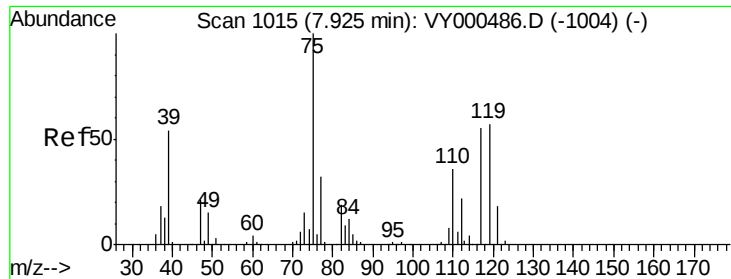
20000

0

7.60 7.70 7.80 7.90

Time-->

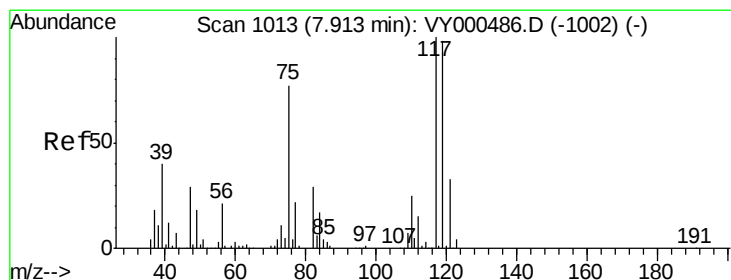
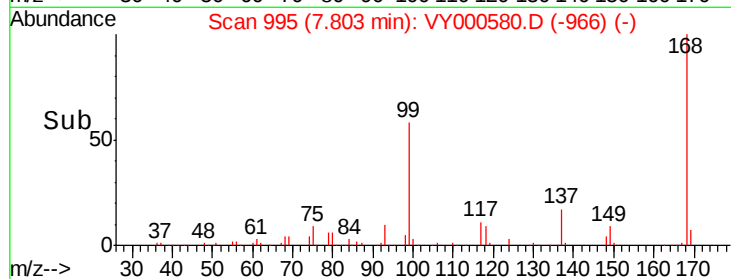
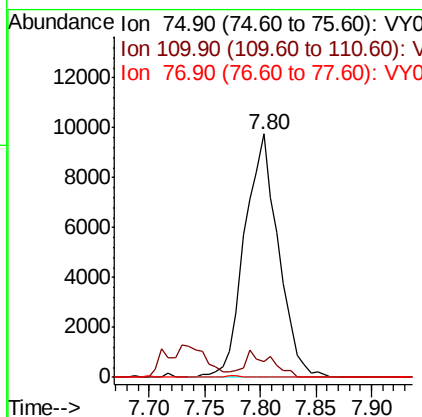
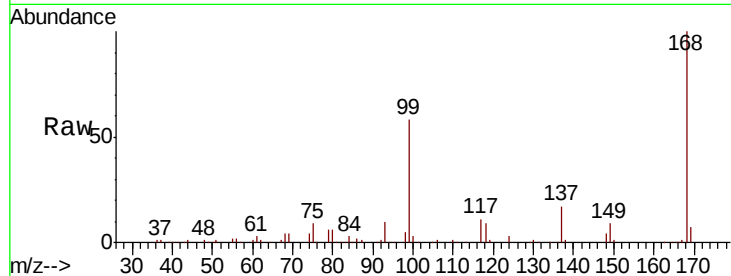




#36
 1,1-Dichloropropene
 Concen: 4.827 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000580.D
 Acq: 07 Nov 2019 15:05

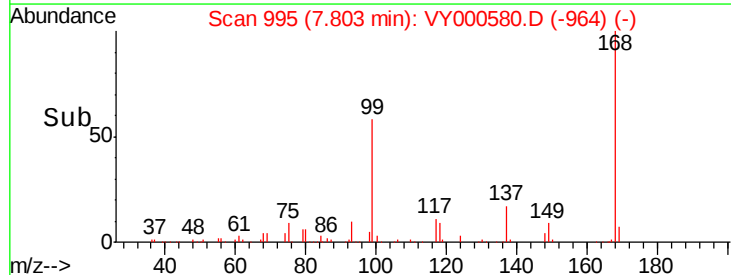
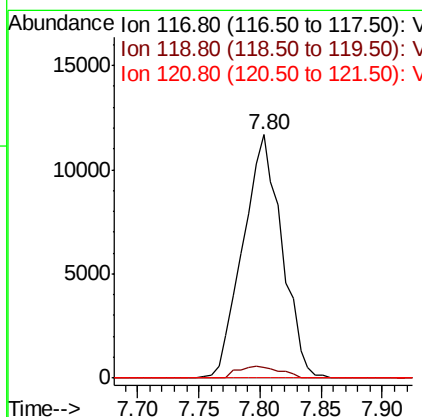
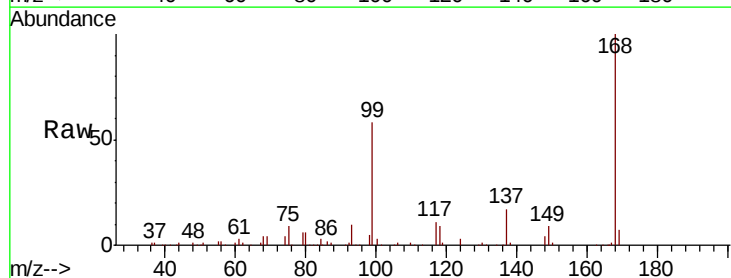
Instrument :
 MSVOA_Y
 ClientSampleId :

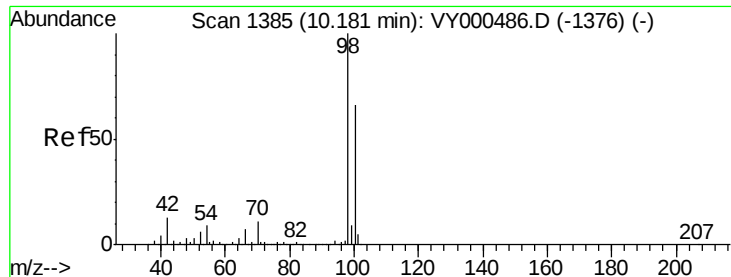
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.324 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000580.D
 Acq: 07 Nov 2019 15:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	78.0	117.0#
121	0.0	26.6	40.0#





#50

Toluene-d8

Concen: 52.252 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000580.D

Acq: 07 Nov 2019 15:05

Instrument :

MSVOA_Y

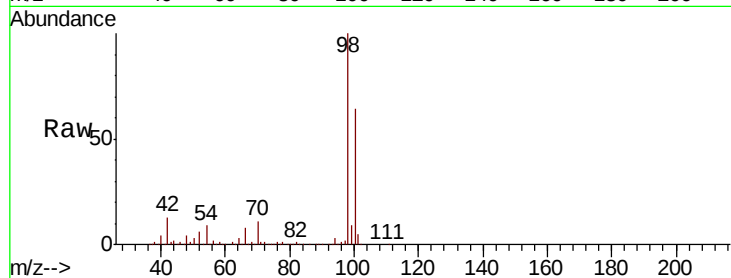
ClientSampleId :

Tot Ion: 98 Resp: 524317

Ion Ratio Lower Upper

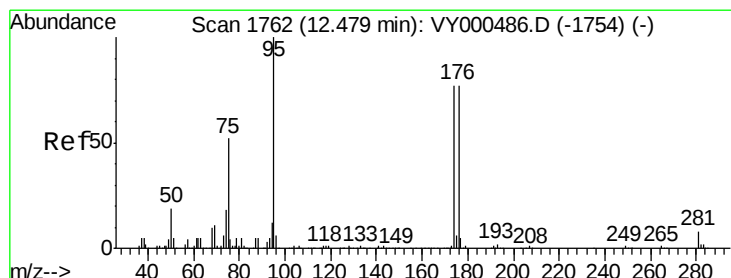
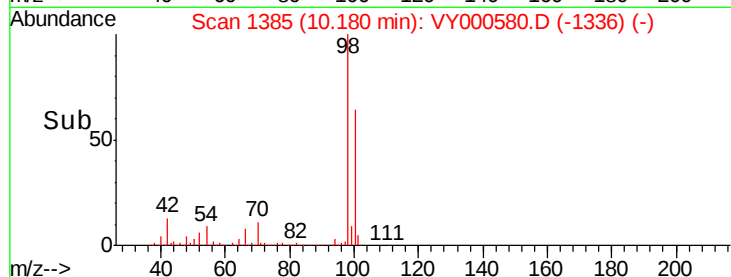
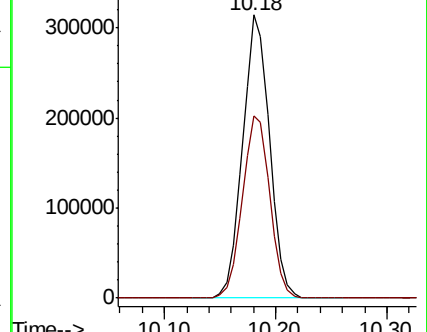
98 100

100 65.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#62

4-Bromofluorobenzene

Concen: 46.750 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000580.D

Acq: 07 Nov 2019 15:05

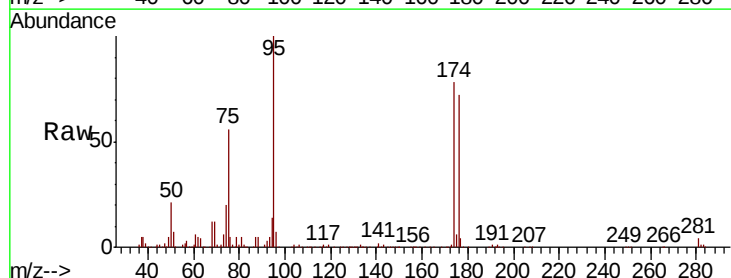
Tgt Ion: 95 Resp: 178588

Ion Ratio Lower Upper

95 100

174 77.7 0.0 161.6

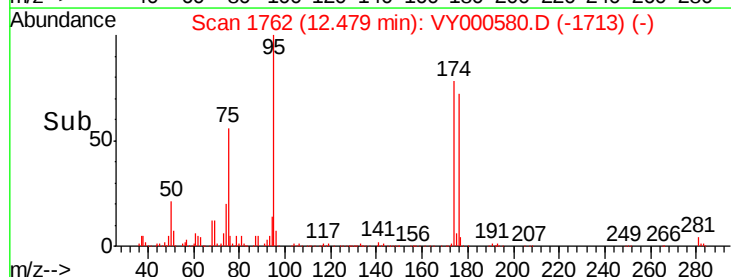
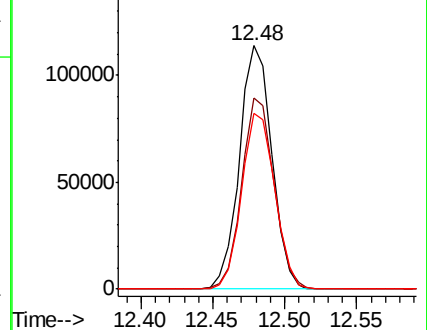
176 73.8 0.0 157.8

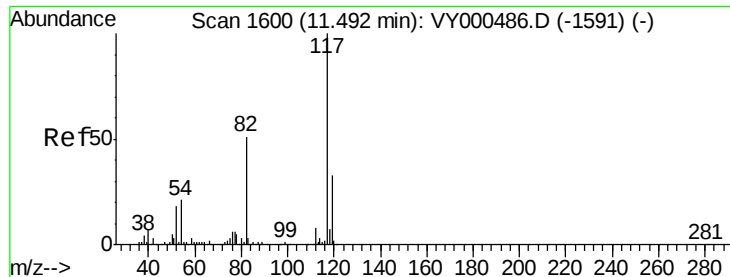


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

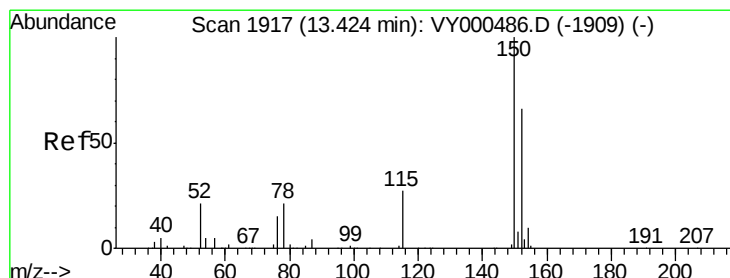
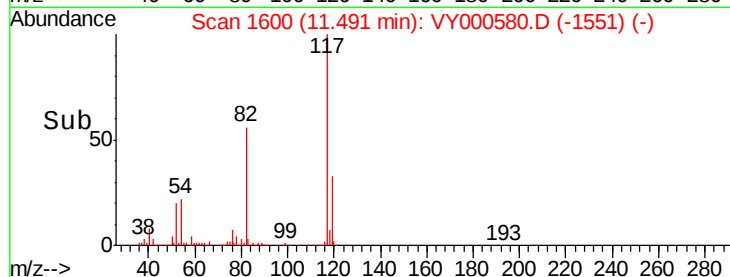
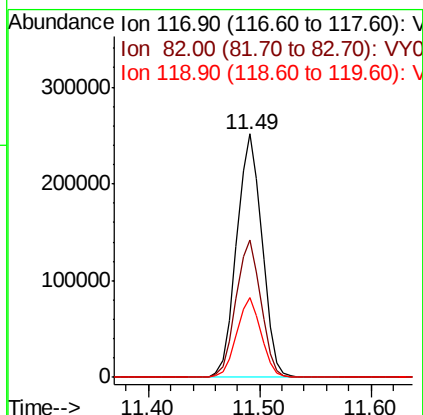
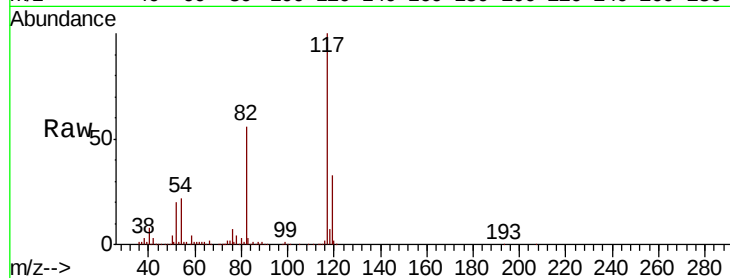




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000580.D
Acq: 07 Nov 2019 15:05

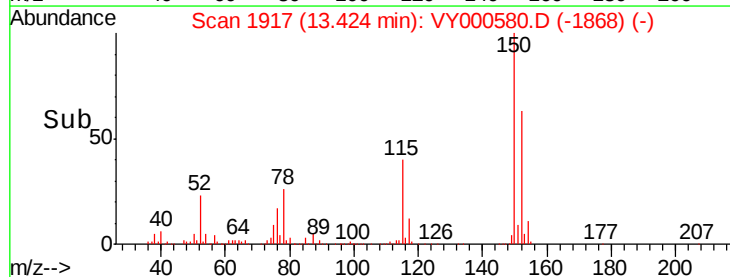
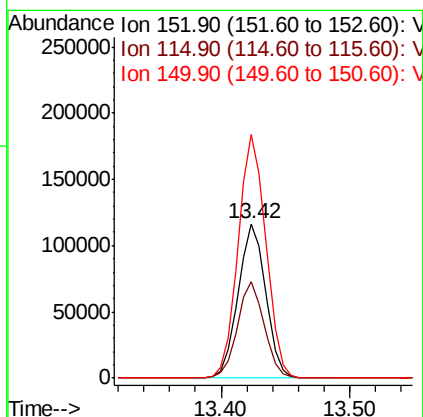
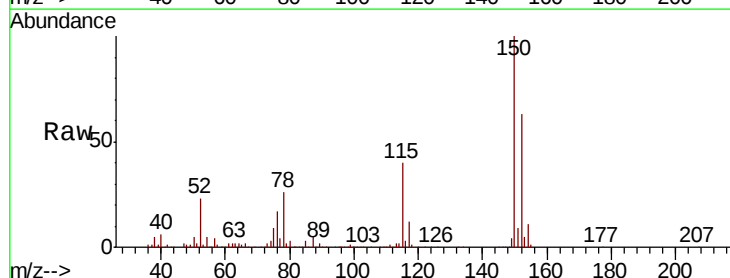
Instrument :
MSVOA_Y
ClientSampleId :

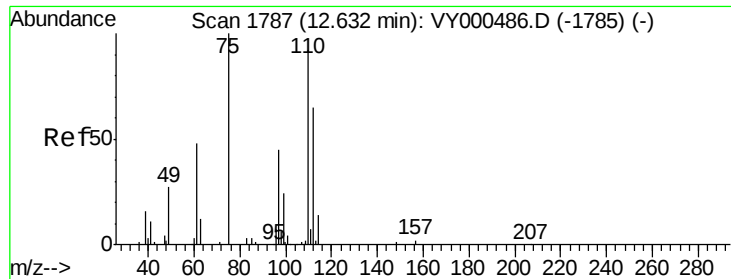
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	40.8	61.2
119	32.8	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000580.D
Acq: 07 Nov 2019 15:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	29.1	87.4
150	158.5	0.0	348.8





#76

1,2,3-Trichloropropane

Concen: 49.608 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000580.D

Acq: 07 Nov 2019 15:05

Instrument :

MSVOA_Y

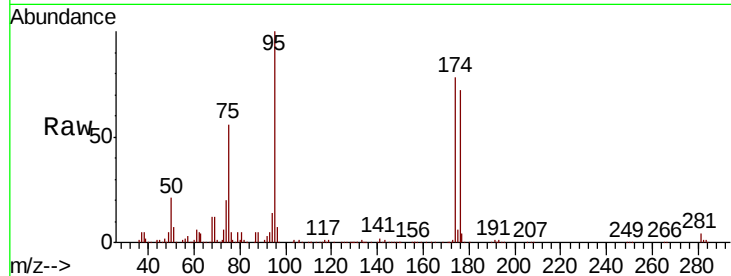
ClientSampleId :

Tot Ion: 75 Resp: 97213

Ion Ratio Lower Upper

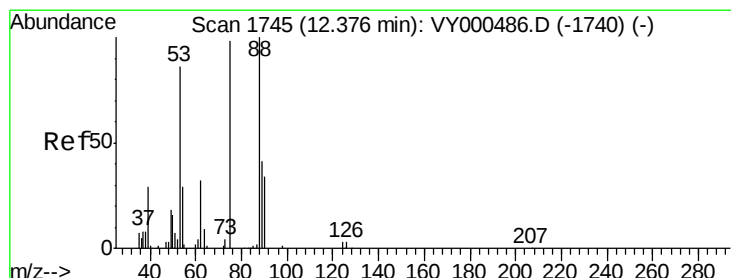
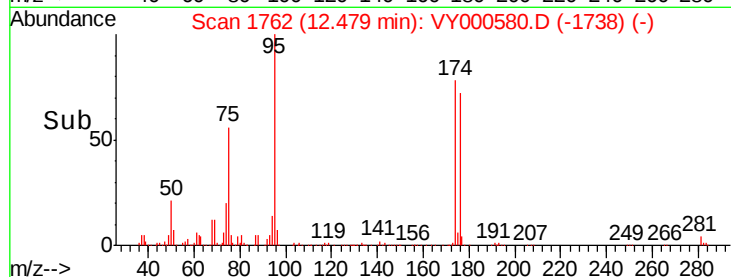
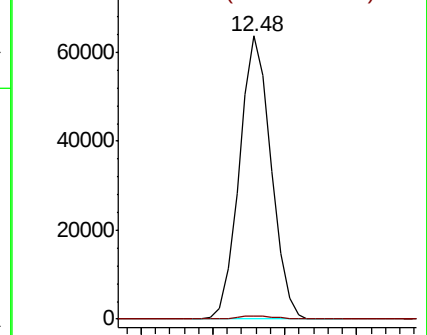
75 100

77 1.6 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: 111.229 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000580.D

Acq: 07 Nov 2019 15:05

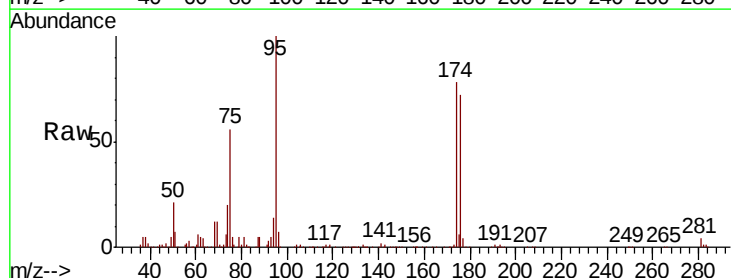
Tgt Ion: 75 Resp: 97213

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.0 35.9 53.9#



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

