

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110119\
 Data File : VY000522.D
 Acq On : 01 Nov 2019 13:39
 Operator : SY/MD
 Sample : K5658-02
 Misc : 4.35G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 01 23:33:43 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

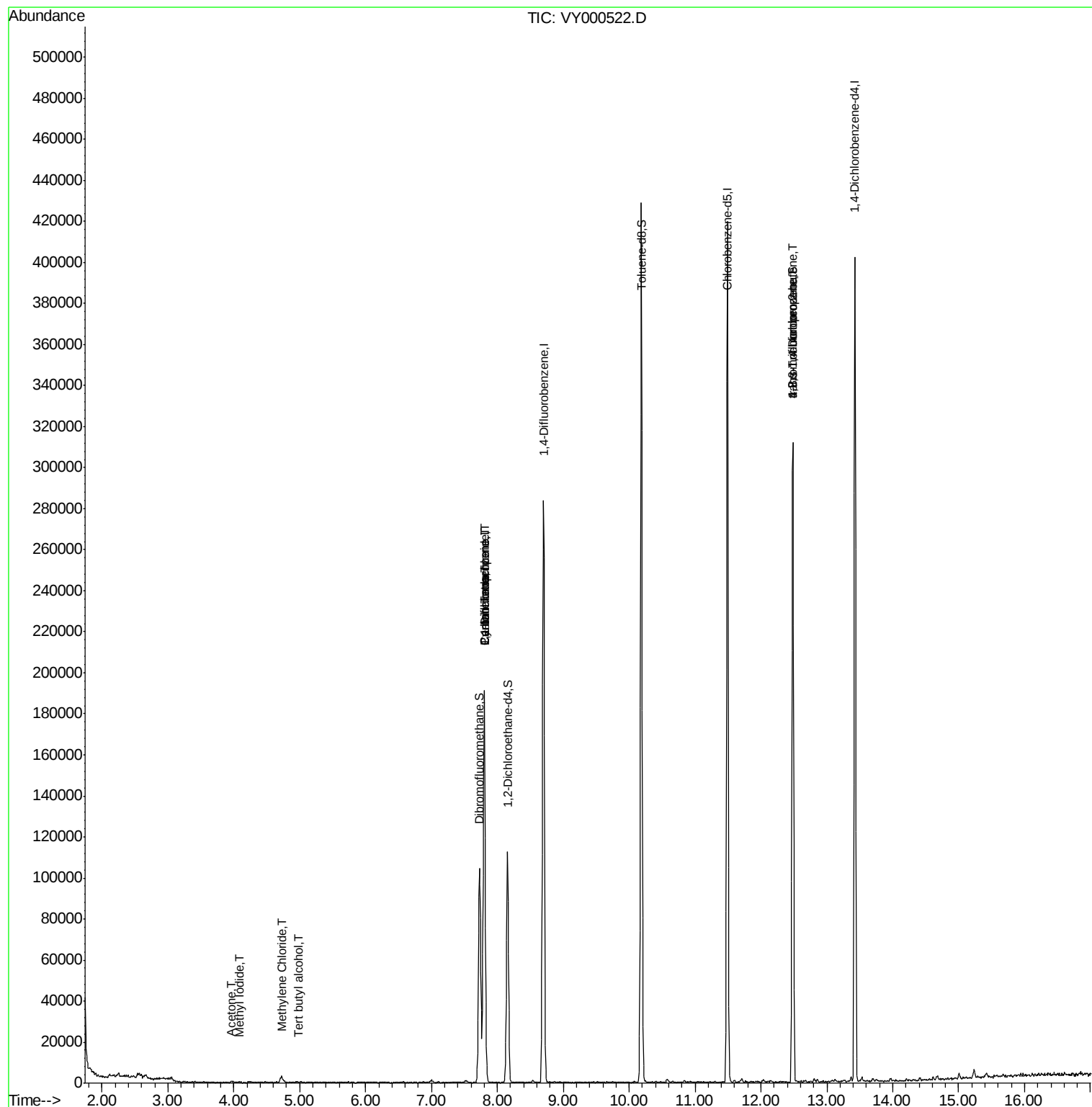
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	146482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	241546	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	217207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	96906	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	84858	55.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.96%	
35) Dibromofluoromethane	7.73	113	71456	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	10.18	98	280423	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.49	95	93637	45.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.42%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.08	142	78	3.236	ug/l #	41
11) Tert butyl alcohol	4.98	59	175	1.186	ug/l #	72
16) Acetone	3.96	43	817	1.955	ug/l #	67
20) Methylene Chloride	4.72	84	1976	1.104	ug/l #	77
31) Cyclohexane	7.80	56	3498	1.192	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	10640	4.660	ug/l #	50
38) Carbon Tetrachloride	7.80	117	14208	6.466	ug/l #	14
76) 1,2,3-Trichloropropane	12.49	75	50913	46.142	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	50913	103.456	ug/l #	13

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

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Quant Time: Nov 01 23:33:43 2019
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: VY000522.D

Acq: 01 Nov 2019 13:39

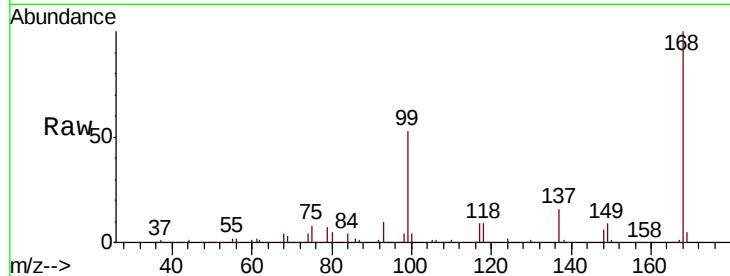
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 146482

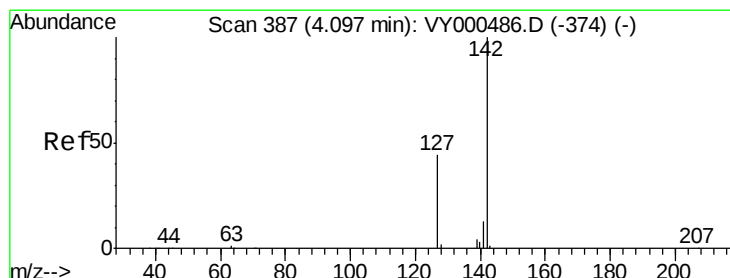
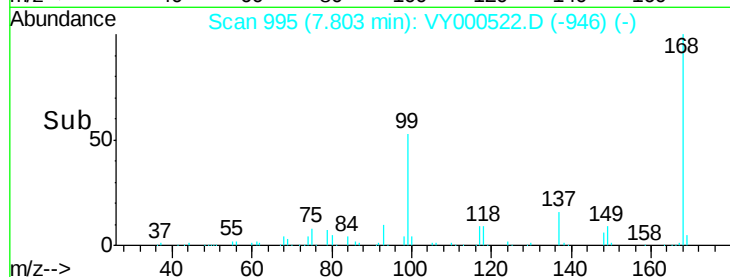
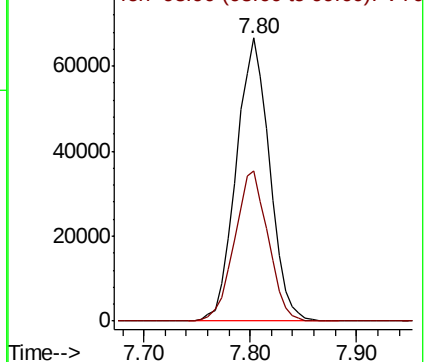
Ion Ratio Lower Upper

168 100

99 52.9 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: 3.236 ug/l

RT: 4.08 min Scan# 385

Delta R.T. -0.01 min

Lab File: VY000522.D

Acq: 01 Nov 2019 13:39

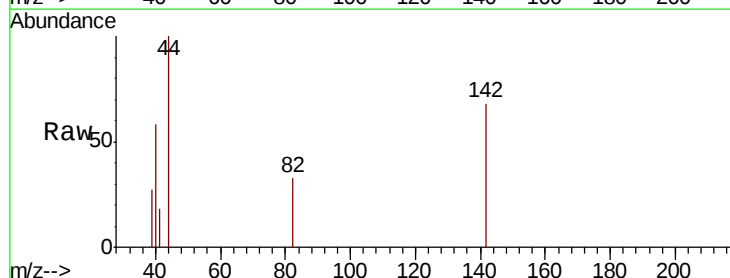
Tgt Ion:142 Resp: 78

Ion Ratio Lower Upper

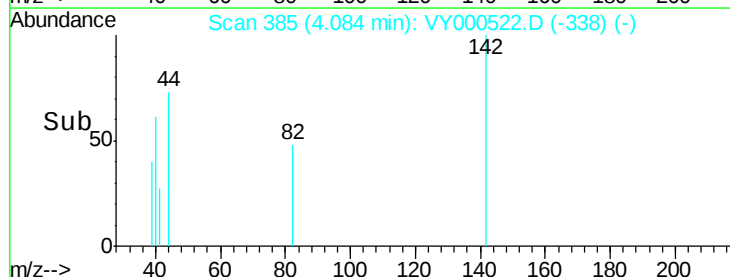
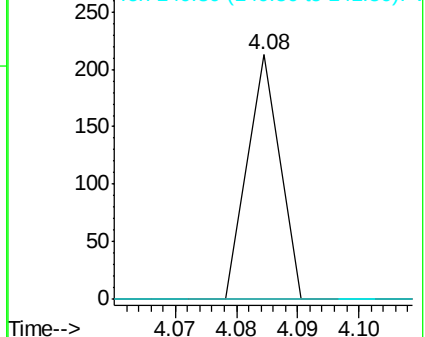
142 100

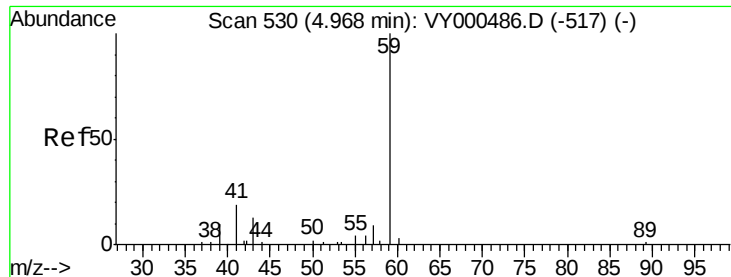
127 0.0 33.7 50.5#

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



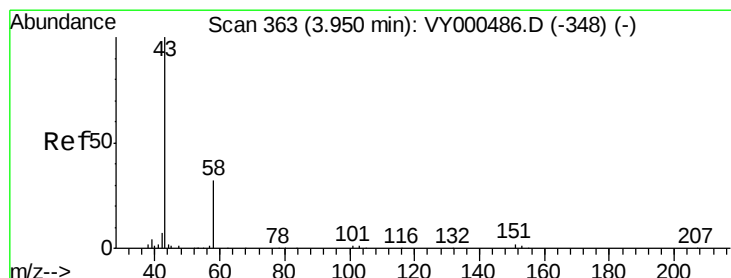
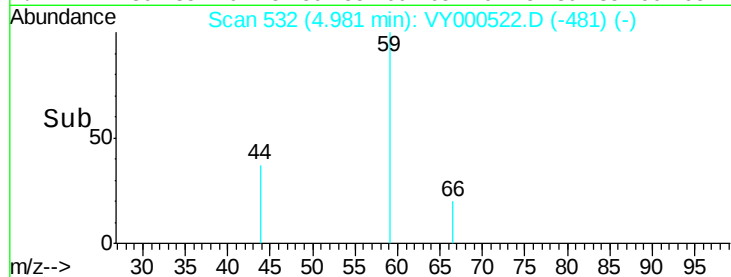
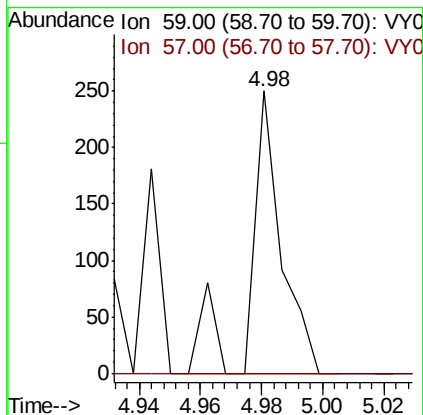
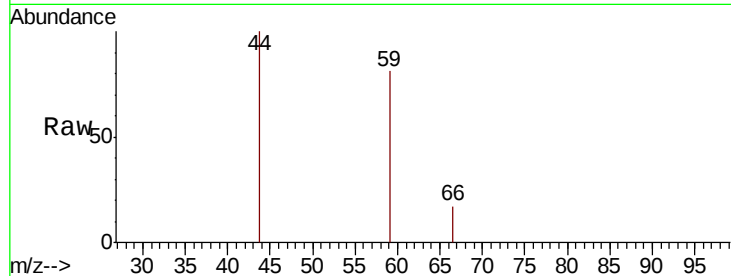


#11

Tert butyl alcohol
 Concen: 1.186 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VY000522.D
 Acq: 01 Nov 2019 13:39

Instrument :
 MSVOA_Y
 ClientSampleId :

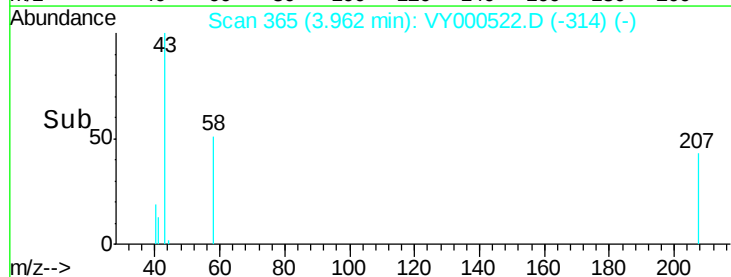
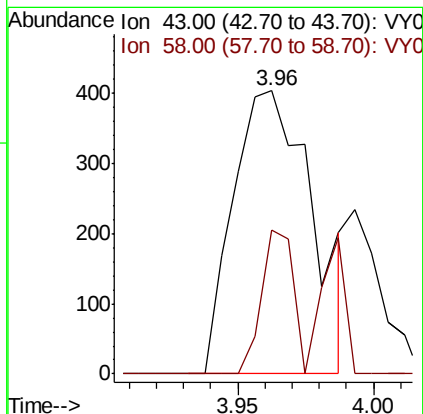
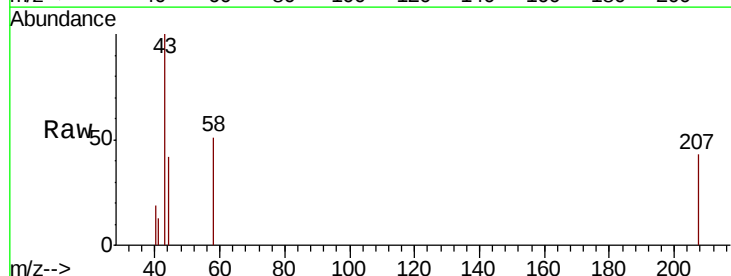
Tot Ion: 59 Resp: 175
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

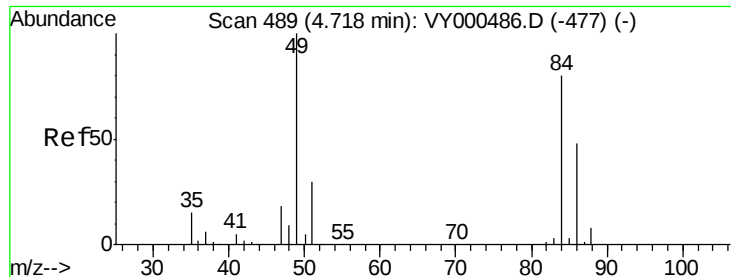


#16

Acetone
 Concen: 1.955 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VY000522.D
 Acq: 01 Nov 2019 13:39

Tgt Ion: 43 Resp: 817
 Ion Ratio Lower Upper
 43 100
 58 50.9 25.8 38.6#

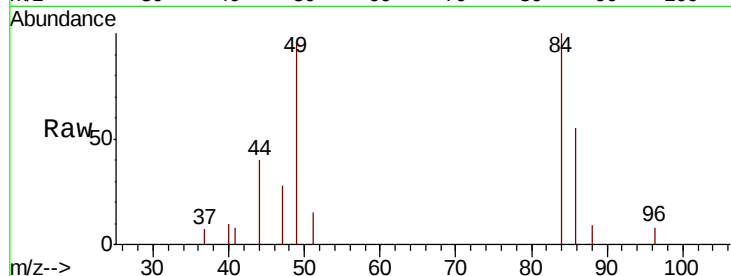




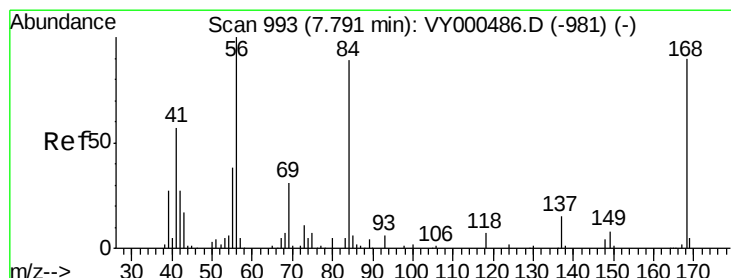
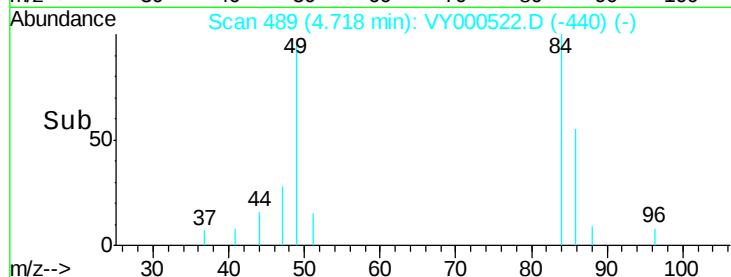
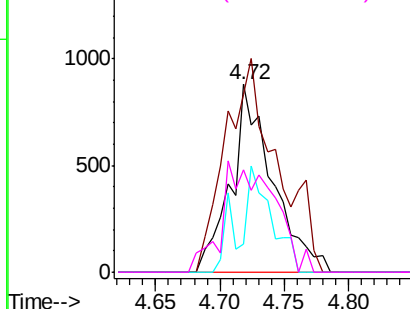
#20
Methvlene Chloride
Concen: 1.104 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY000522.D
Acq: 01 Nov 2019 13:39

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 1976
Ion Ratio Lower Upper
84 100
49 95.1 100.2 150.4#
51 15.3 29.6 44.4#
86 54.5 48.3 72.5

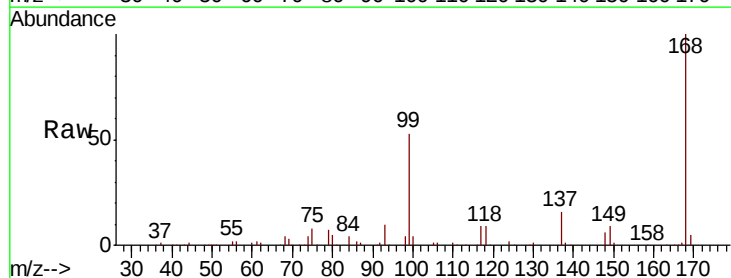


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

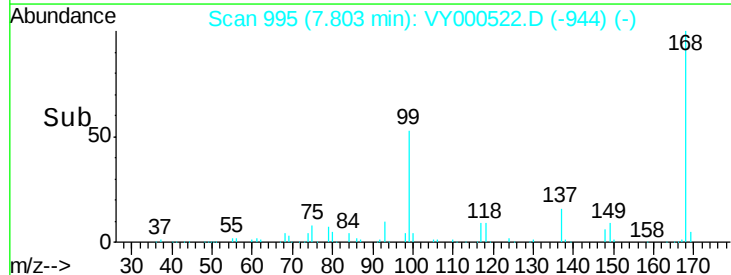
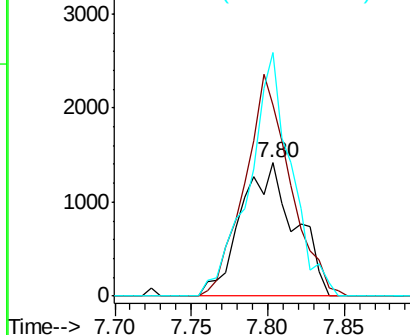


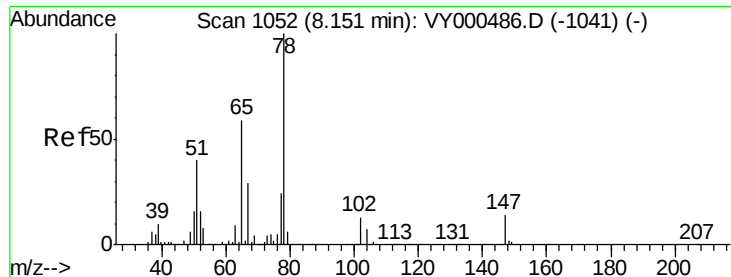
#31
Cyclohexane
Concen: 1.192 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000522.D
Acq: 01 Nov 2019 13:39

Tgt Ion: 56 Resp: 3498
Ion Ratio Lower Upper
56 100
69 143.6 25.0 37.6#
84 182.7 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: 55.979 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000522.D

Acq: 01 Nov 2019 13:39

Instrument :

MSVOA_Y

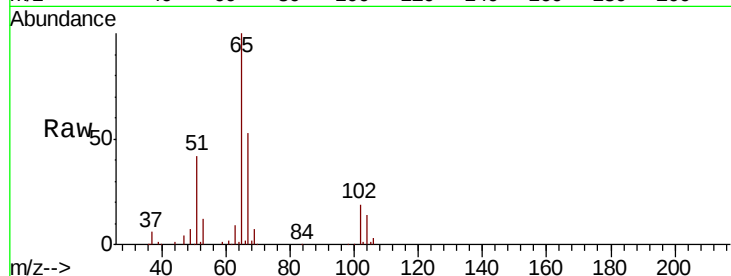
ClientSampled :

Tot Ion: 65 Resp: 84858

Ion Ratio Lower Upper

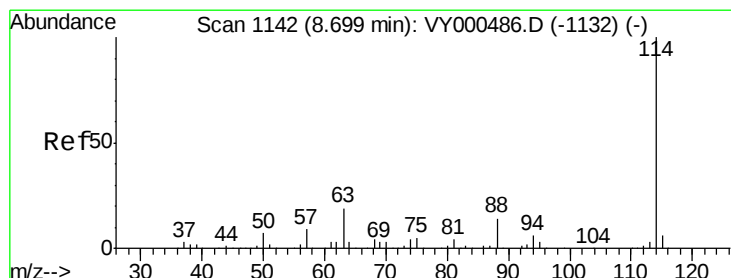
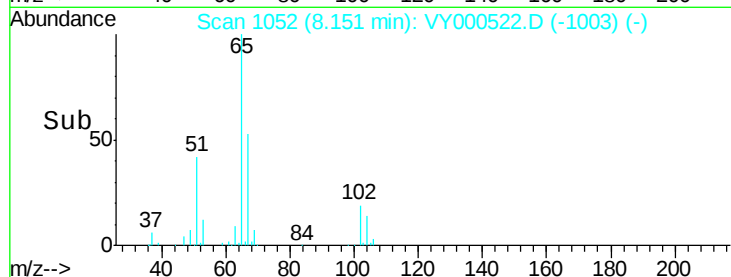
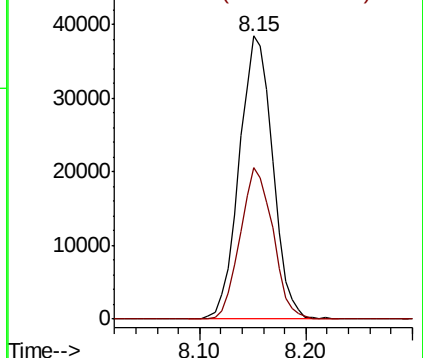
65 100

67 52.5 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: VY000522.D

Acq: 01 Nov 2019 13:39

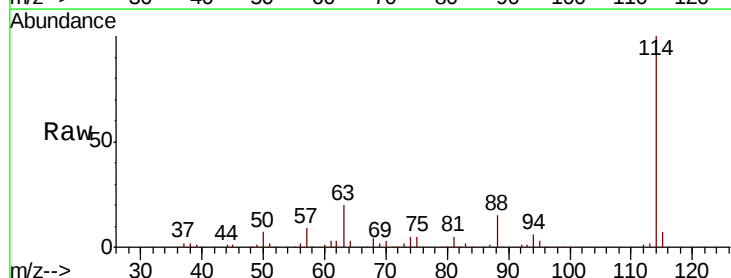
Tgt Ion: 114 Resp: 241546

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.0

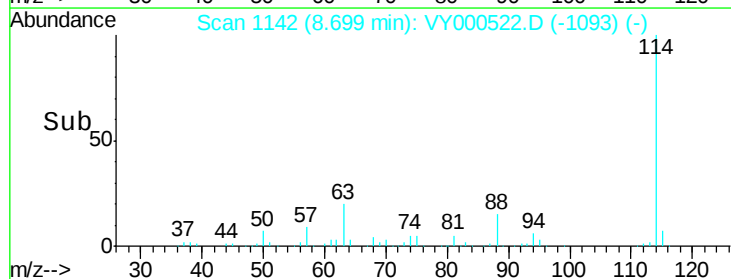
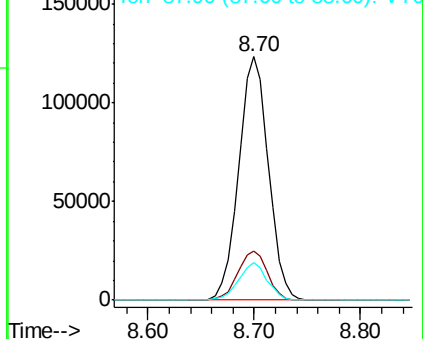
88 15.5 0.0 28.6

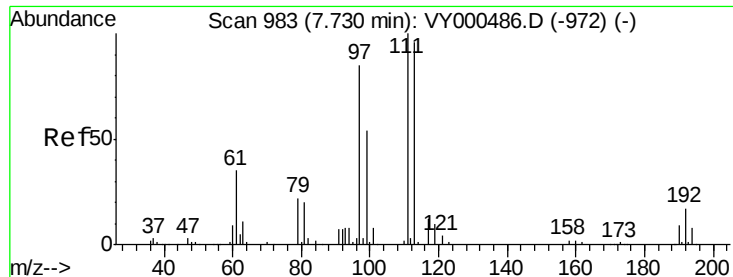


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

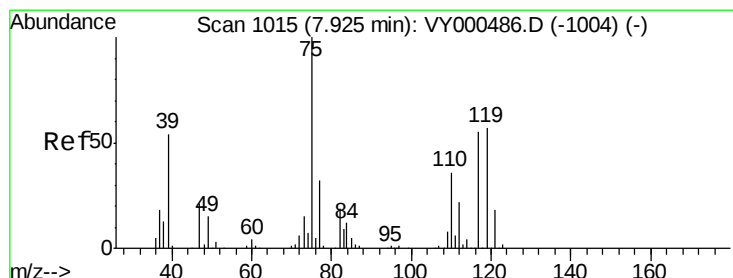
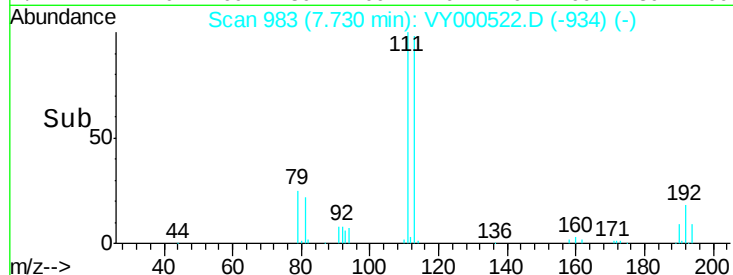
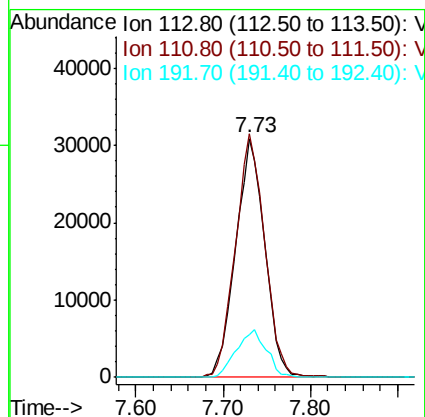
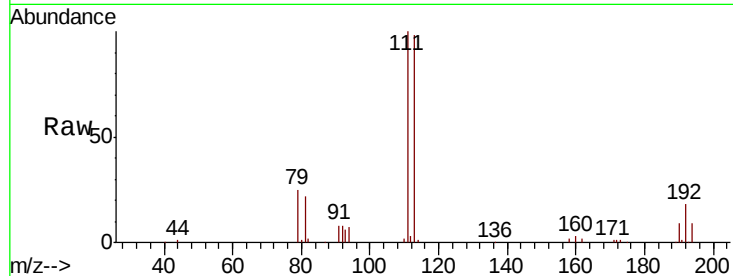




#35
Dibromofluoromethane
Concen: 50.391 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.00 min
Lab File: VY000522.D
Acq: 01 Nov 2019 13:39

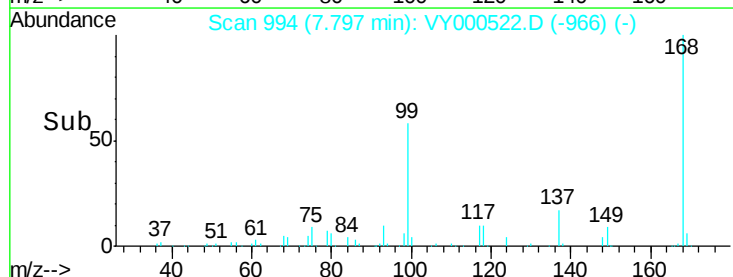
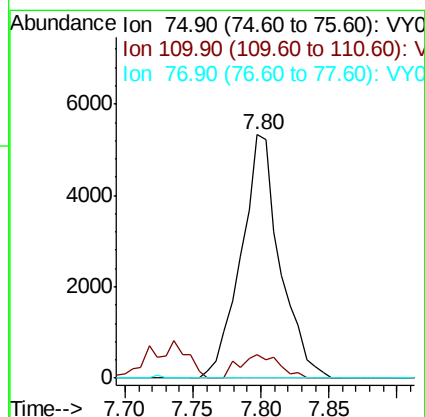
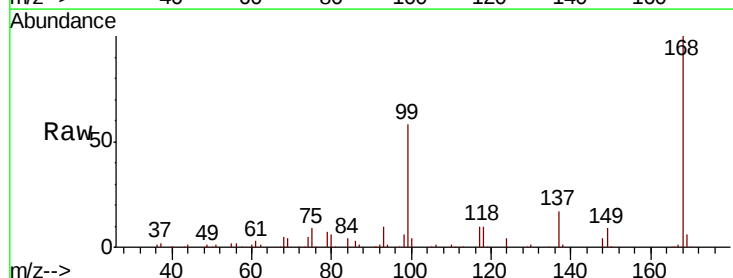
Instrument :
MSVOA_Y
ClientSampleId :

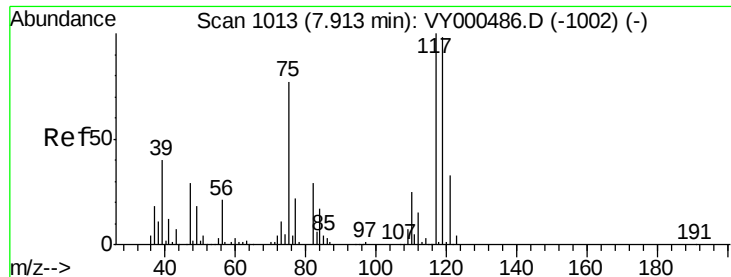
Tot Ion:113 Resp: 71456
Ion Ratio Lower Upper
113 100
111 102.7 81.7 122.5
192 20.4 15.0 22.4



#36
1,1-Dichloropropene
Concen: 4.660 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.13 min
Lab File: VY000522.D
Acq: 01 Nov 2019 13:39

Tgt Ion: 75 Resp: 10640
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.1#
77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 6.466 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000522.D

Acq: 01 Nov 2019 13:39

Instrument :

MSVOA_Y

ClientSampleId :

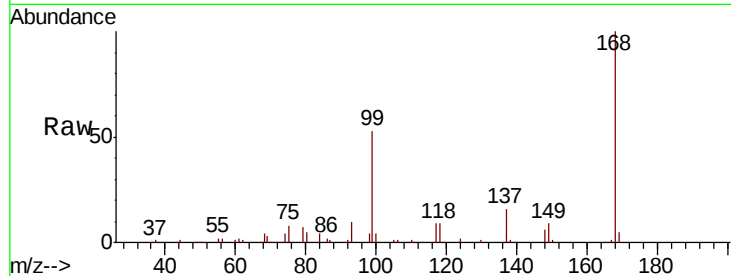
Tot Ion:117 Resp: 14208

Ion Ratio Lower Upper

117 100

119 3.6 78.0 117.0#

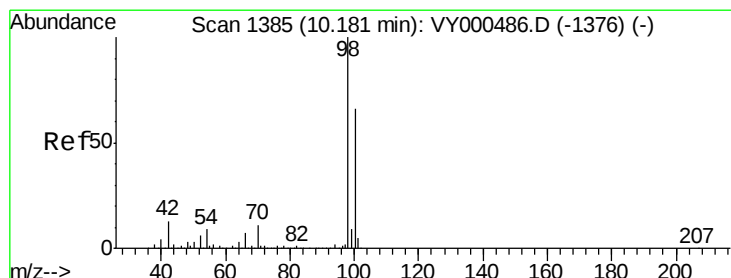
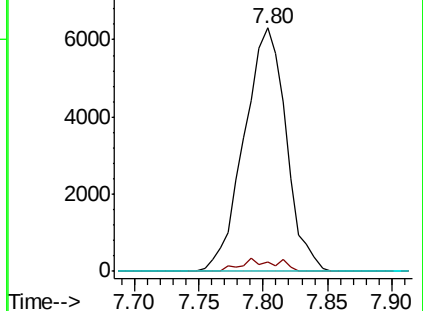
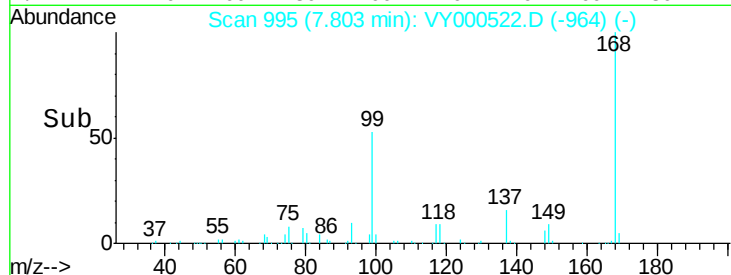
121 0.0 26.6 40.0#



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: 52.117 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000522.D

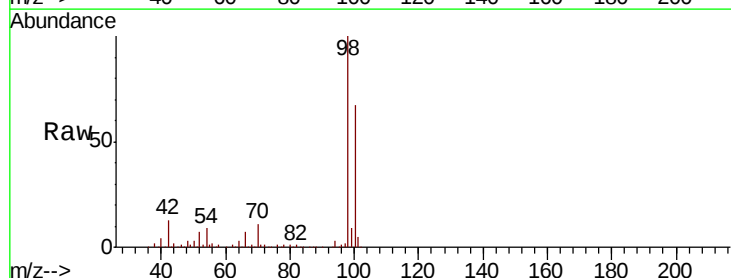
Acq: 01 Nov 2019 13:39

Tgt Ion: 98 Resp: 280423

Ion Ratio Lower Upper

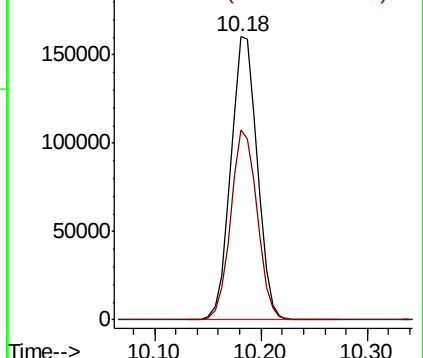
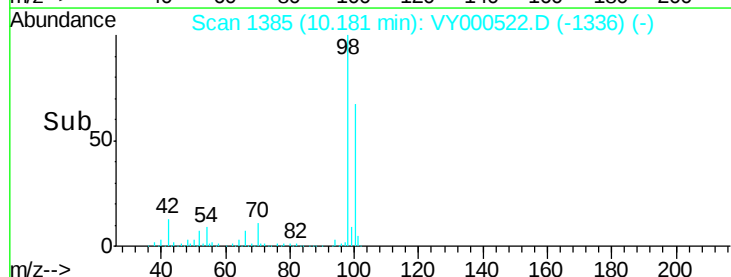
98 100

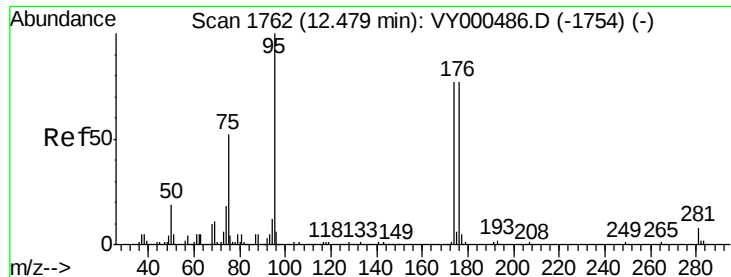
100 67.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 45.712 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.01 min

Lab File: VY000522.D

Acq: 01 Nov 2019 13:39

Instrument :

MSVOA_Y

ClientSampleId :

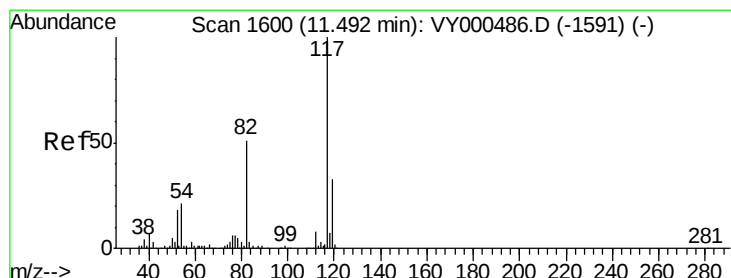
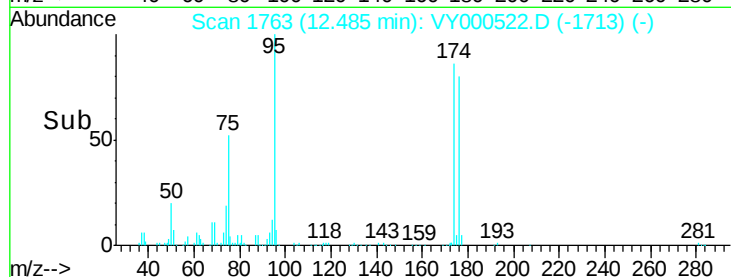
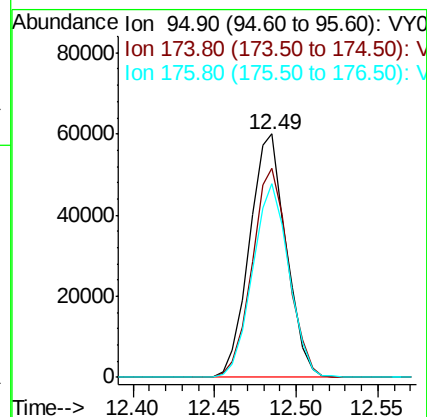
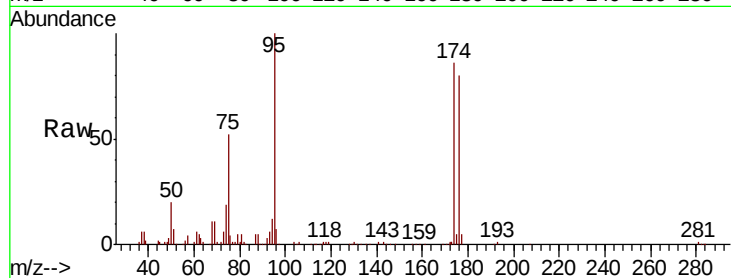
Tot Ion: 95 Resp: 93637

Ion Ratio Lower Upper

95 100

174 84.9 0.0 161.6

176 79.0 0.0 157.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY000522.D

Acq: 01 Nov 2019 13:39

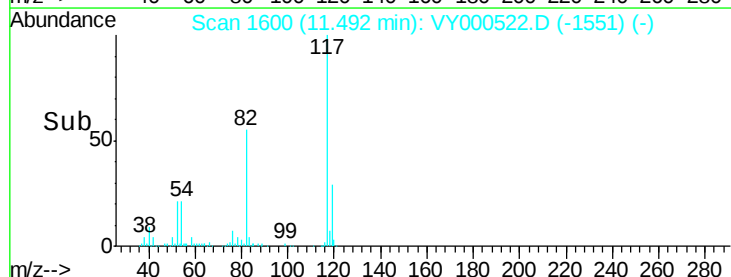
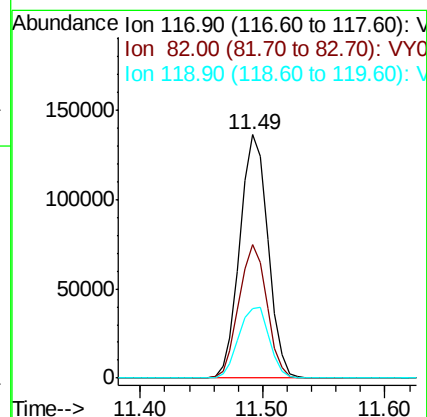
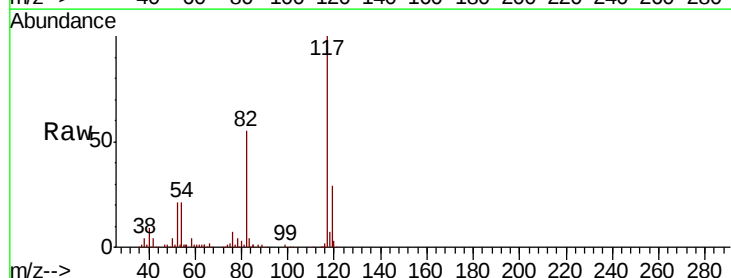
Tgt Ion: 117 Resp: 217207

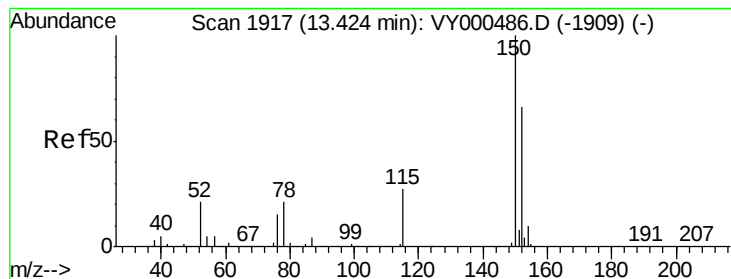
Ion Ratio Lower Upper

117 100

82 54.8 40.8 61.2

119 28.5 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.01 min

Lab File: VY000522.D

Acq: 01 Nov 2019 13:39

Instrument :

MSVOA_Y

ClientSampled :

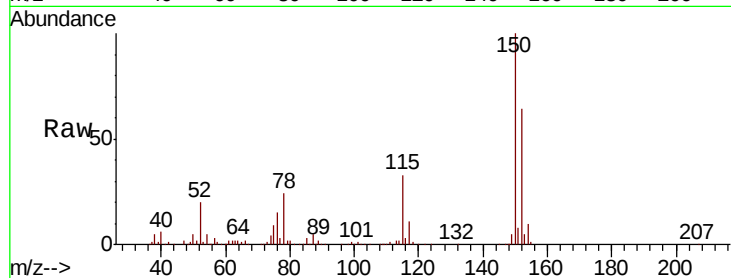
Tot Ion:152 Resp: 96906

Ion Ratio Lower Upper

152 100

115 58.8 29.1 87.4

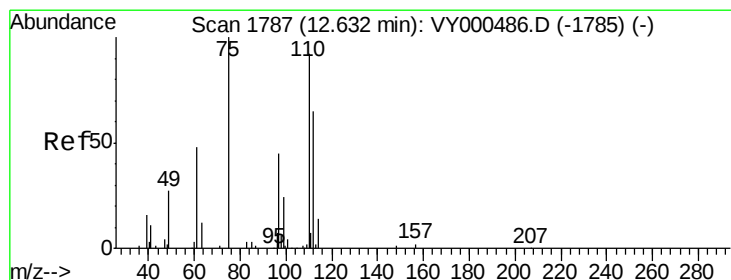
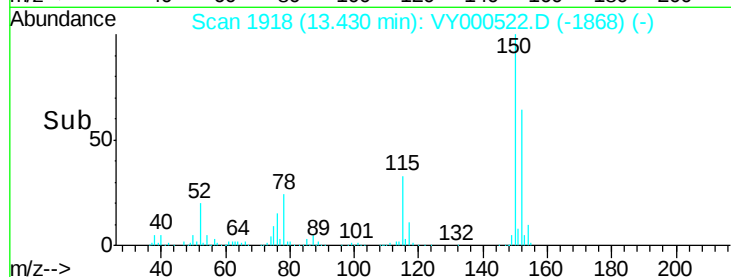
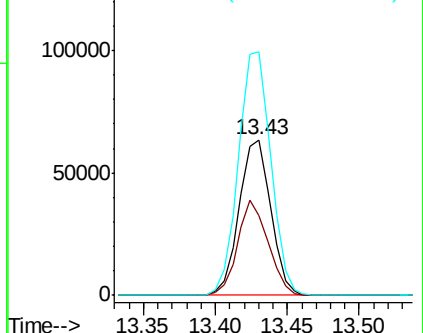
150 160.5 0.0 348.8



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: 46.142 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY000522.D

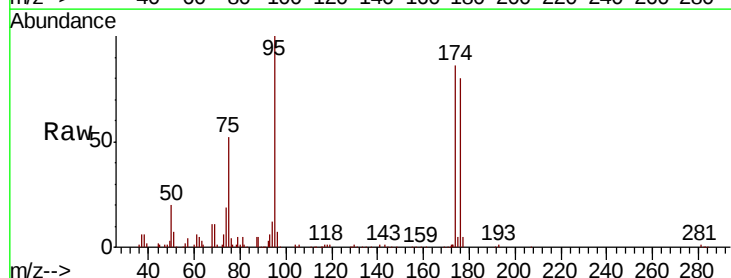
Acq: 01 Nov 2019 13:39

Tgt Ion: 75 Resp: 50913

Ion Ratio Lower Upper

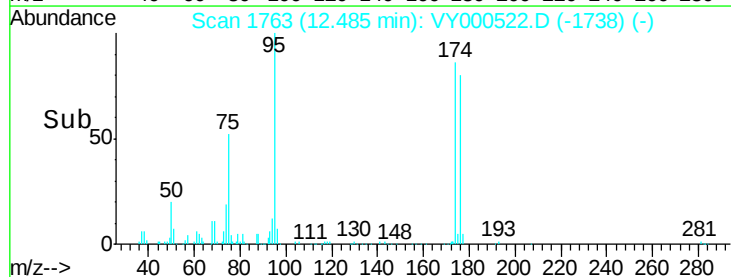
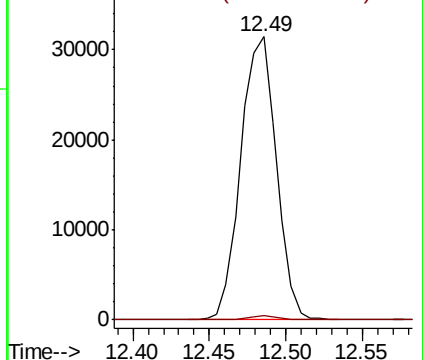
75 100

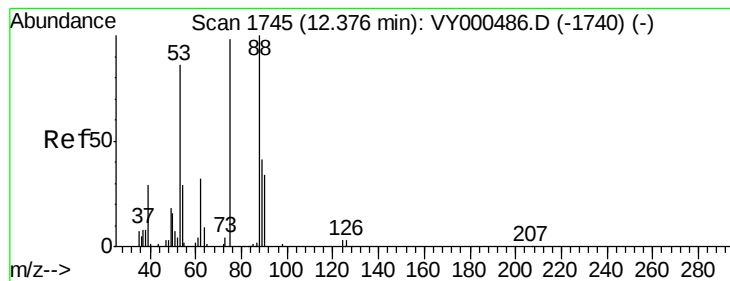
77 1.3 0.0 0.0#



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: 103.456 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.11 min

Lab File: VY000522.D

Acq: 01 Nov 2019 13:39

Instrument :

MSVOA_Y

ClientSampleId :

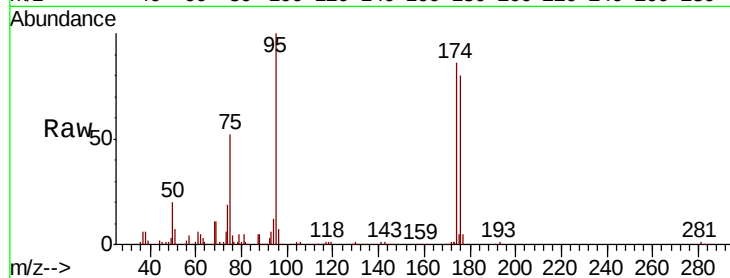
Tot Ion: 75 Resp: 50913

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.4 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

