

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112119\
 Data File : VY000774.D
 Acq On : 21 Nov 2019 17:33
 Operator : SY/MD
 Sample : K5959-04
 Misc : 6.87G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 22 03:15:43 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	303494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	557443	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	498959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	224226	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	178708	56.90	ug/l	0.00
Spiked Amount			Recovery	=	113.80%	
35) Dibromofluoromethane	7.73	113	162528	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	10.18	98	673485	54.24	ug/l	0.00
Spiked Amount			Recovery	=	108.48%	
62) 4-Bromofluorobenzene	12.48	95	229711	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	

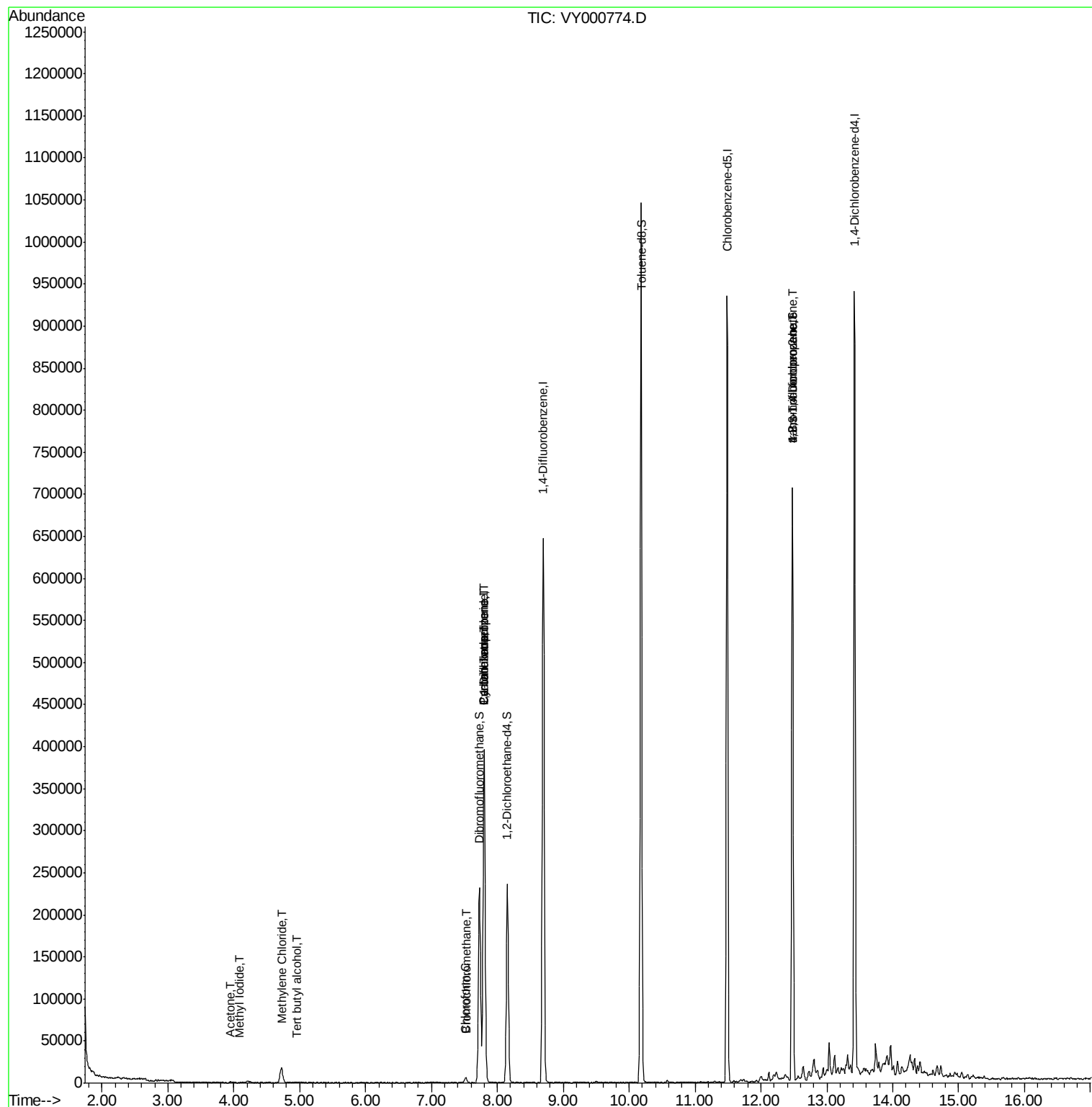
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.09	142	104	3.223	ug/l #	90
11) Tert butyl alcohol	4.95	59	325	1.063	ug/l #	72
16) Acetone	3.96	43	1572	1.816	ug/l #	83
20) Methylene Chloride	4.72	84	12588	3.394	ug/l	92
28) Bromochloromethane	7.53	49	442	4.246	ug/l #	14
30) Chloroform	7.52	83	6185	1.053	ug/l	93
31) Cyclohexane	7.80	56	6817	1.121	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	25072	4.758	ug/l #	49
38) Carbon Tetrachloride	7.80	117	29660	5.849	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	118568	46.440	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	118568	104.126	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
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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: VY000774.D

Acq: 21 Nov 2019 17:33

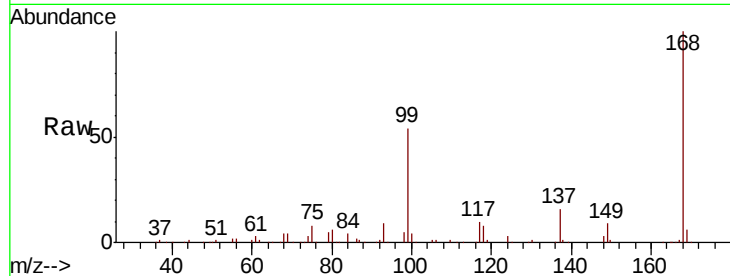
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 303494

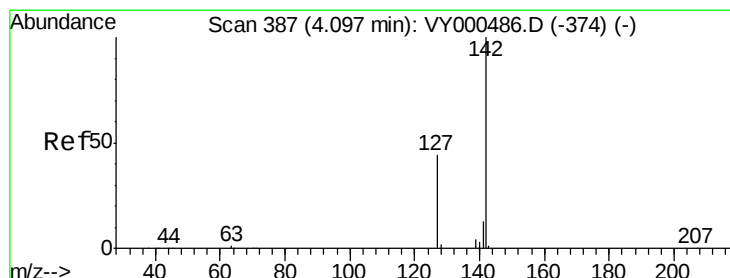
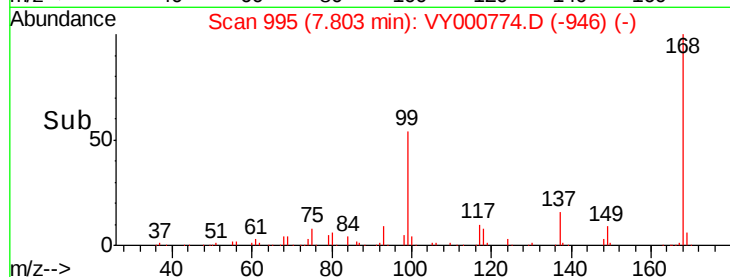
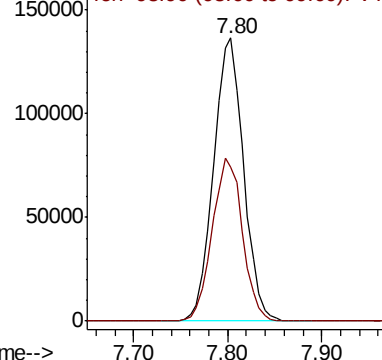
Ion Ratio Lower Upper

168 100

99 54.4 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: 3.223 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000774.D

Acq: 21 Nov 2019 17:33

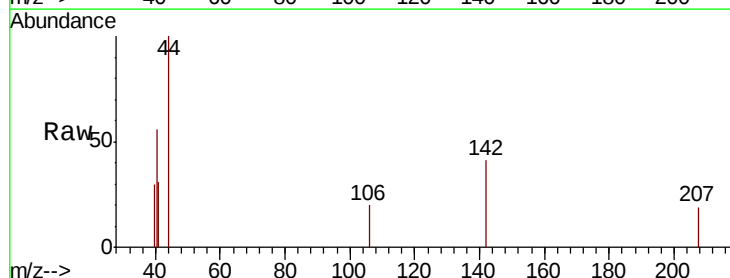
Tgt Ion:142 Resp: 104

Ion Ratio Lower Upper

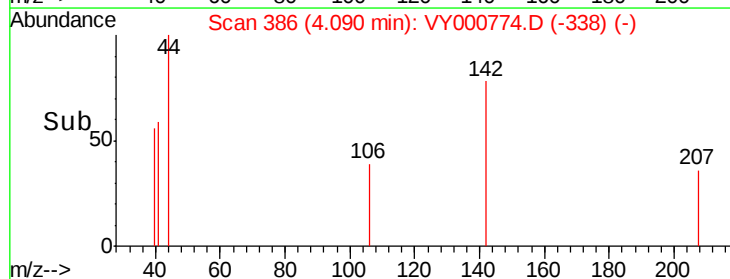
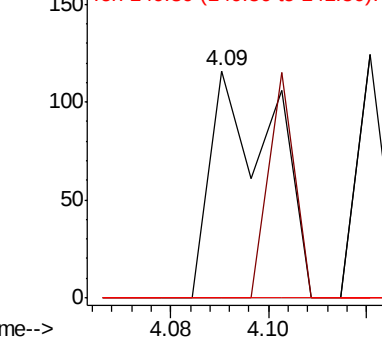
142 100

127 40.4 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



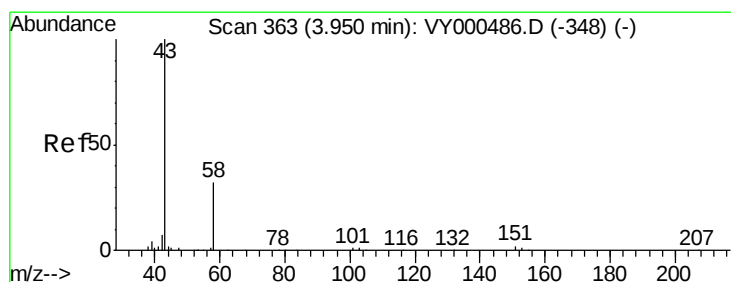
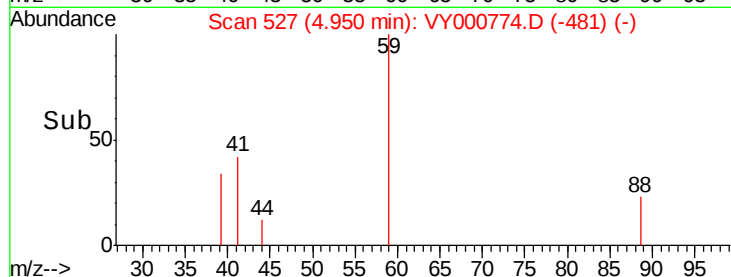
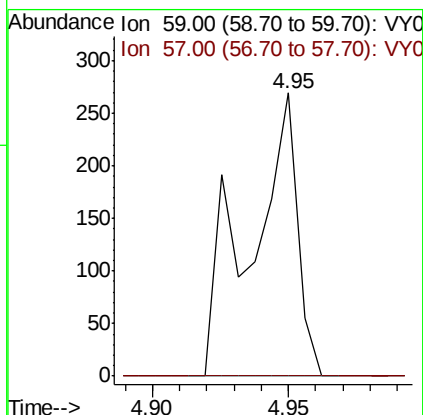
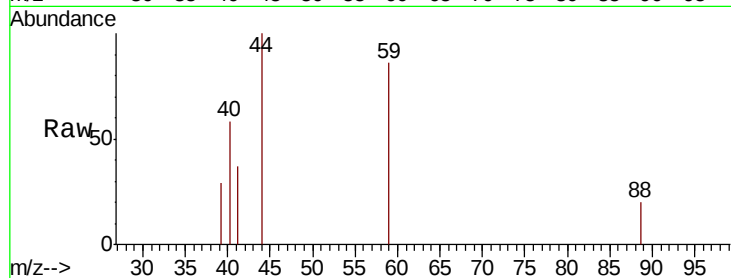


#11

Tert butyl alcohol
 Concen: 1.063 ug/l
 RT: 4.95 min Scan# 527
 Delta R.T. -0.02 min
 Lab File: VY000774.D
 Acq: 21 Nov 2019 17:33

Instrument :
 MSVOA_Y
 ClientSampled :

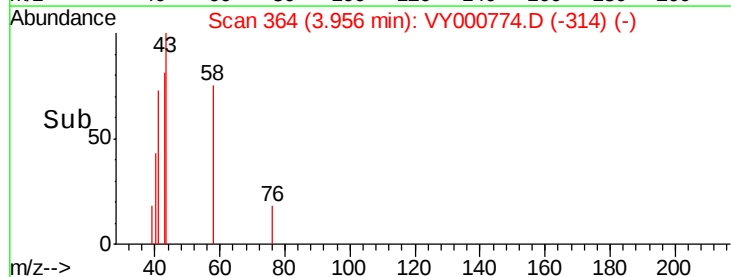
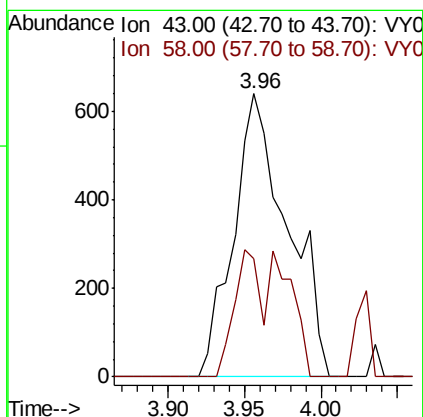
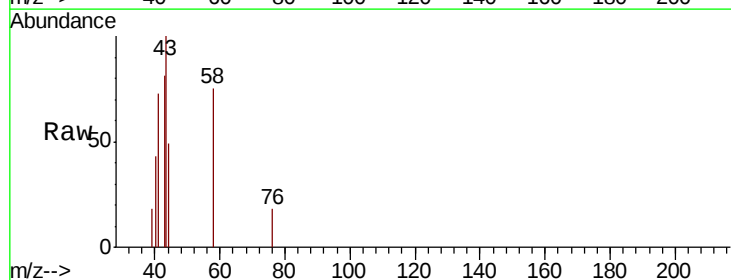
Tot Ion: 59 Resp: 325
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

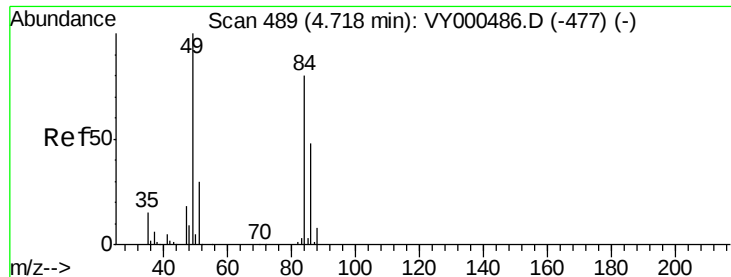


#16

Acetone
 Concen: 1.816 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VY000774.D
 Acq: 21 Nov 2019 17:33

Tgt Ion: 43 Resp: 1572
 Ion Ratio Lower Upper
 43 100
 58 41.8 25.8 38.6#

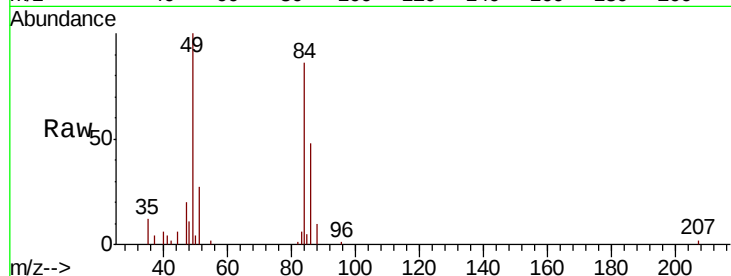




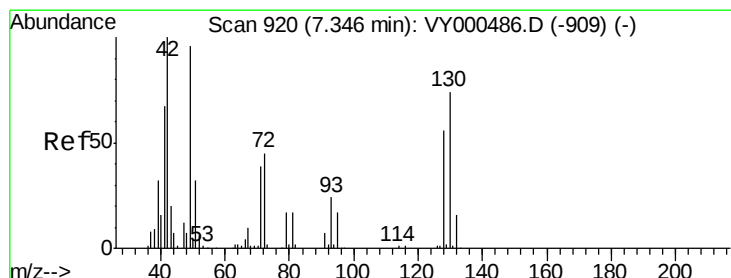
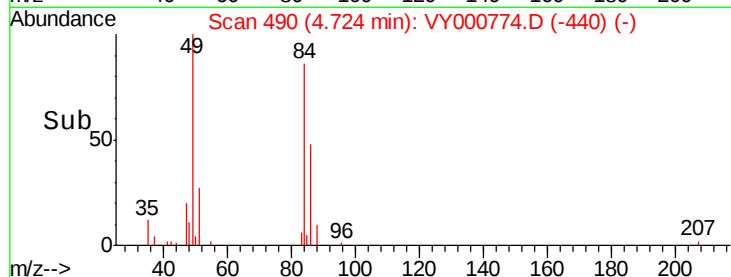
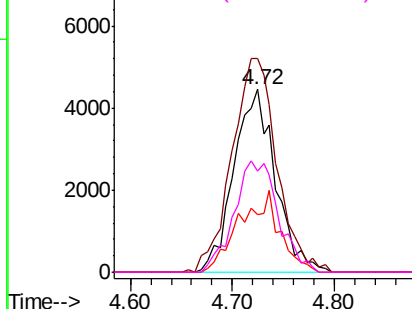
#20
Methvlene Chloride
Concen: 3.394 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000774.D
Acq: 21 Nov 2019 17:33

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 12588
Ion Ratio Lower Upper
84 100
49 116.7 100.2 150.4
51 31.4 29.6 44.4
86 55.5 48.3 72.5

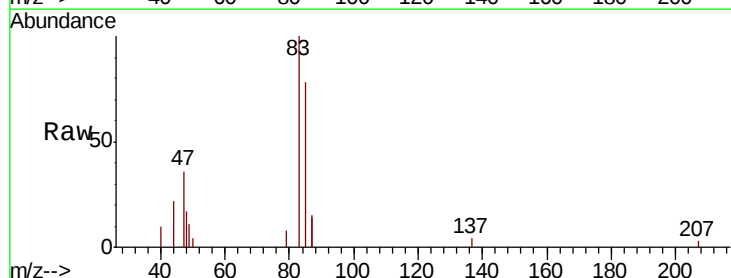


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

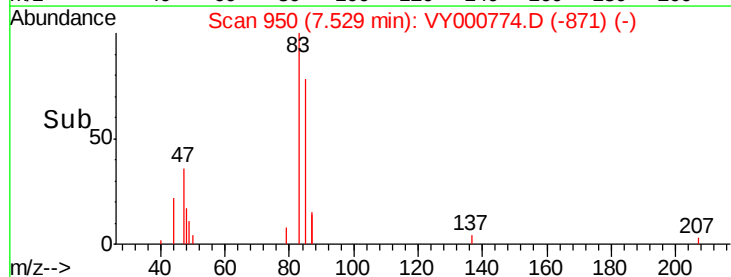
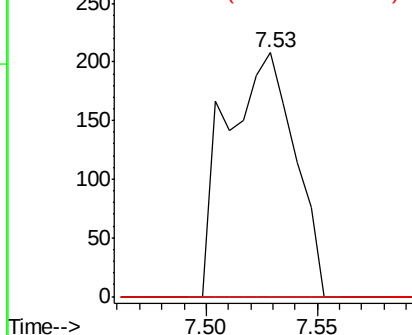


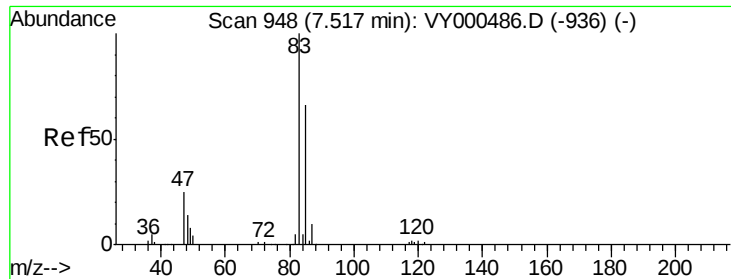
#28
Bromochloromethane
Concen: 4.246 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.18 min
Lab File: VY000774.D
Acq: 21 Nov 2019 17:33

Tgt Ion: 49 Resp: 442
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

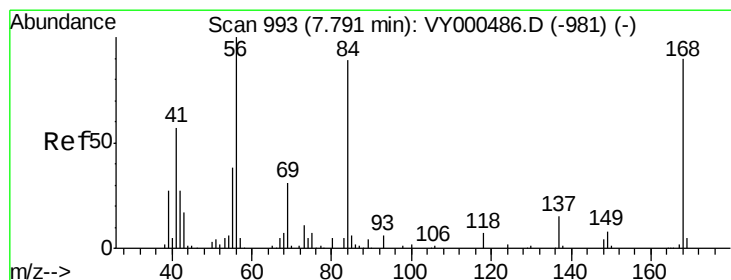
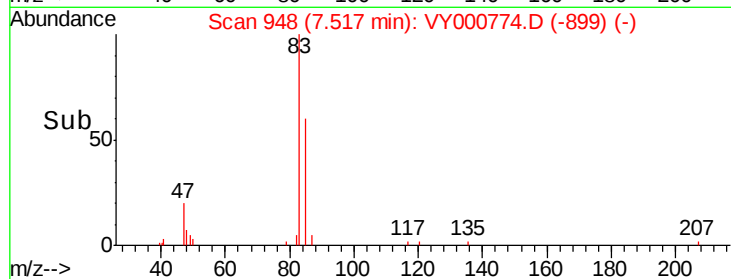
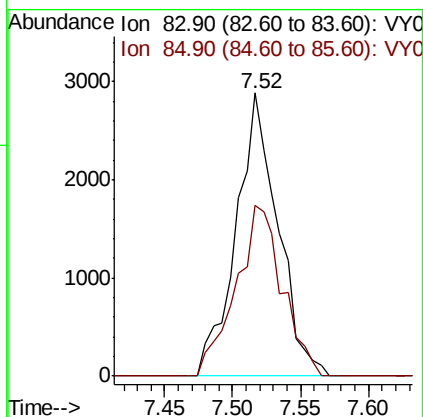
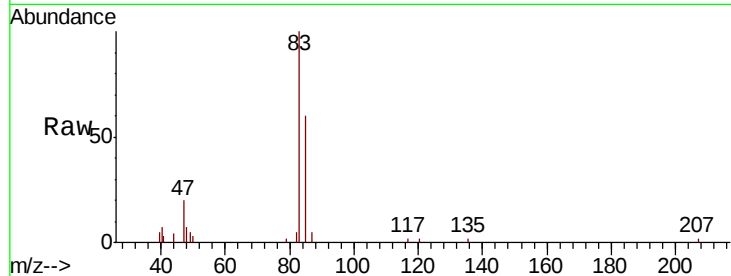




#30
Chloroform
Concen: 1.053 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY000774.D
Acq: 21 Nov 2019 17:33

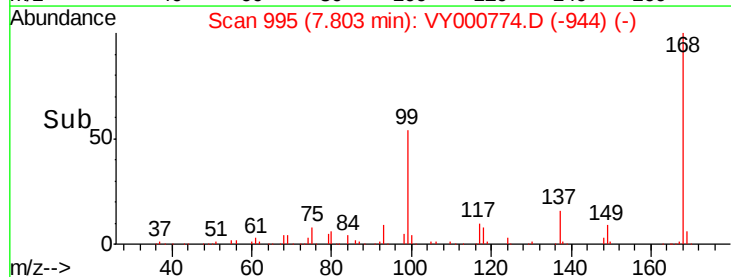
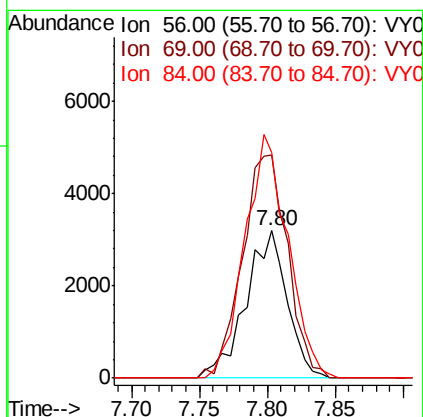
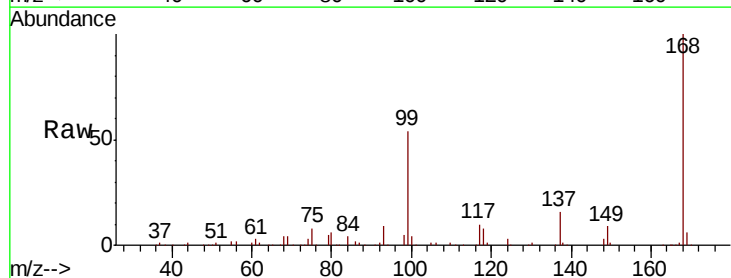
Instrument :
MSVOA_Y
ClientSampleId :

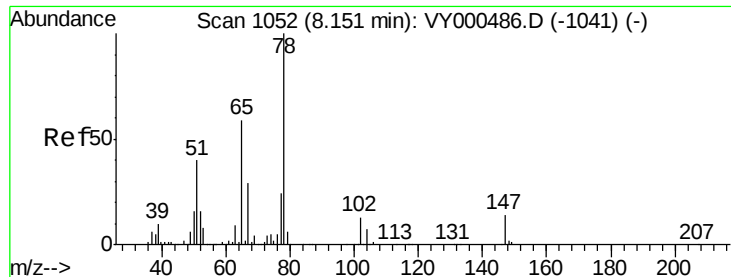
Tot Ion: 83 Resp: 6185
Ion Ratio Lower Upper
83 100
85 60.4 53.0 79.4



#31
Cyclohexane
Concen: 1.121 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000774.D
Acq: 21 Nov 2019 17:33

Tgt Ion: 56 Resp: 6817
Ion Ratio Lower Upper
56 100
69 150.8 25.0 37.6#
84 153.1 71.4 107.2#

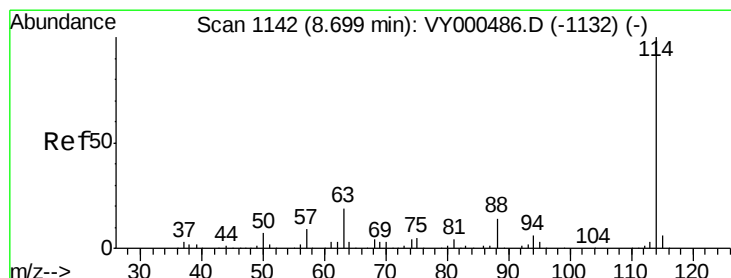
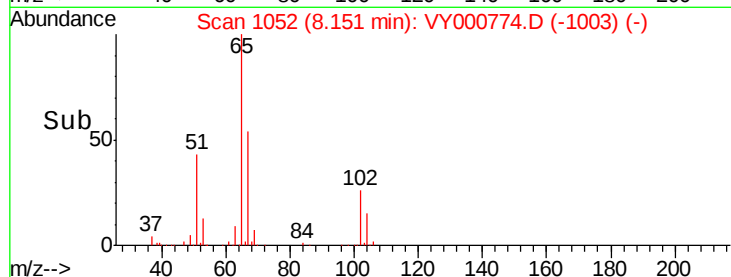
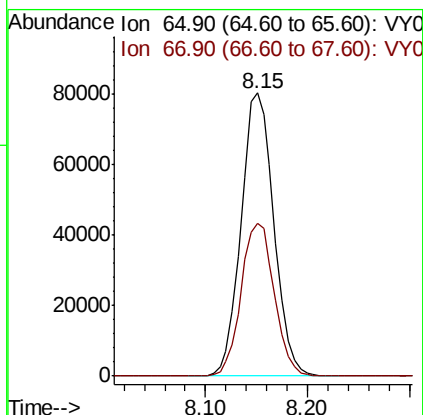
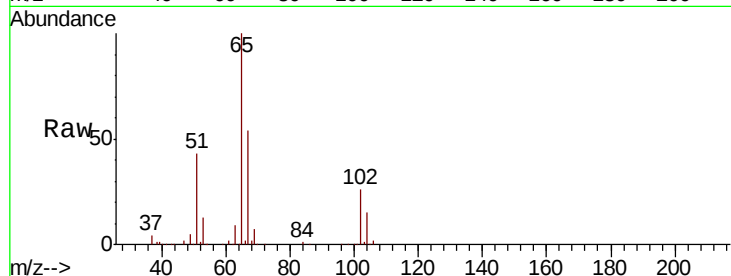




#33
 1,2-Dichloroethane-d4
 Concen: 56.899 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000774.D
 Acq: 21 Nov 2019 17:33

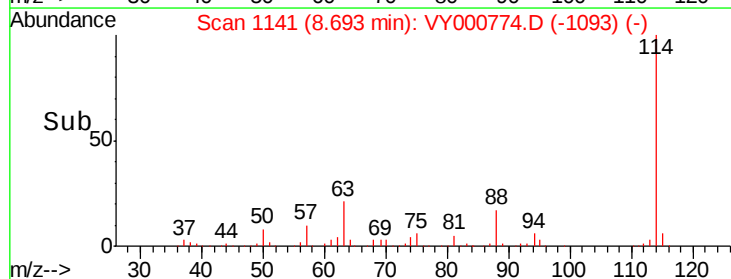
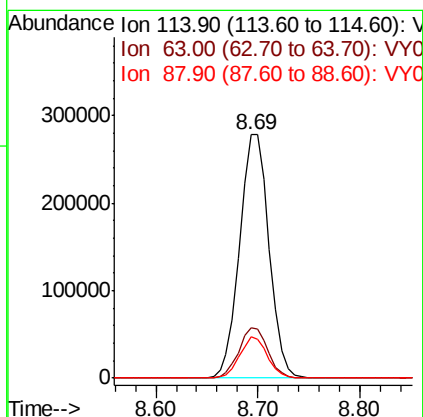
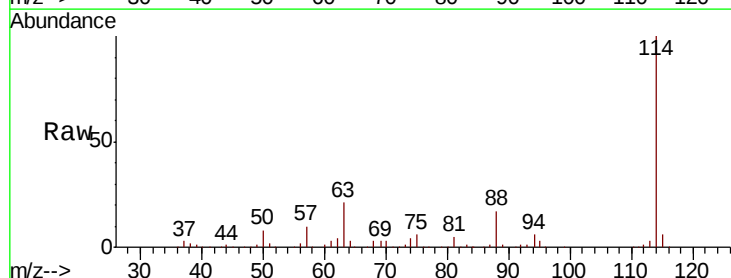
Instrument :
 MSVOA_Y
 ClientSampleId :

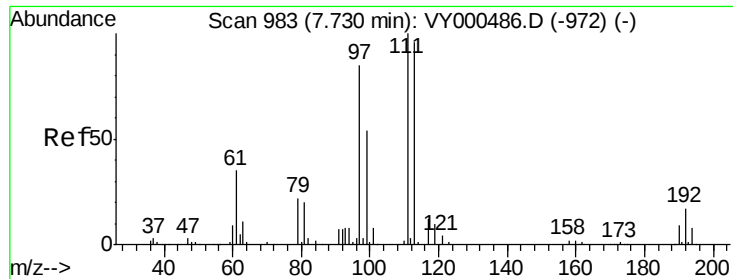
Tot Ion: 65 Resp: 178708
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000774.D
 Acq: 21 Nov 2019 17:33

Tgt Ion: 114 Resp: 557443
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 38.0
 88 16.9 0.0 28.6

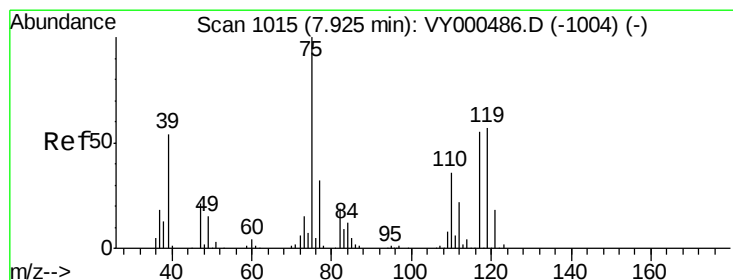
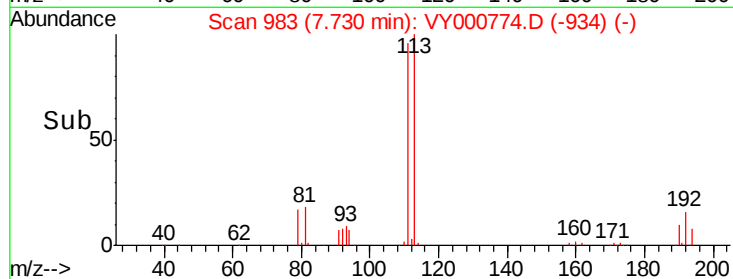
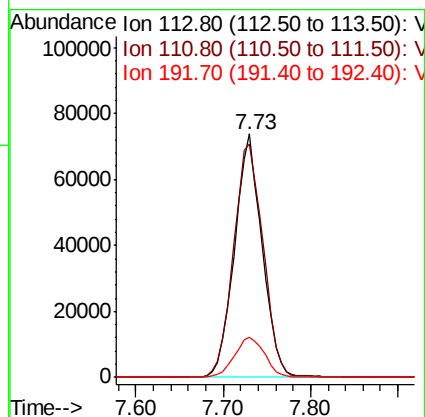
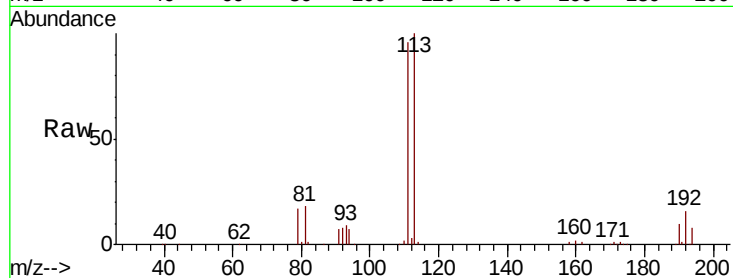




#35
 Dibromofluoromethane
 Concen: 49.664 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000774.D
 Acq: 21 Nov 2019 17:33

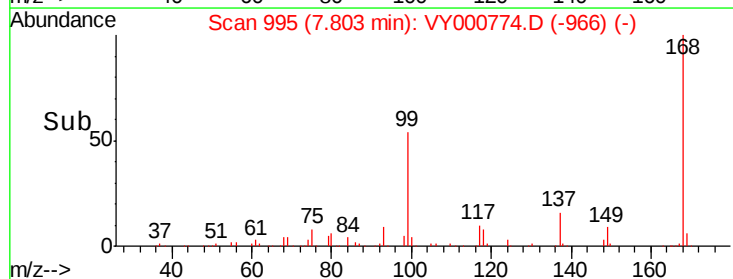
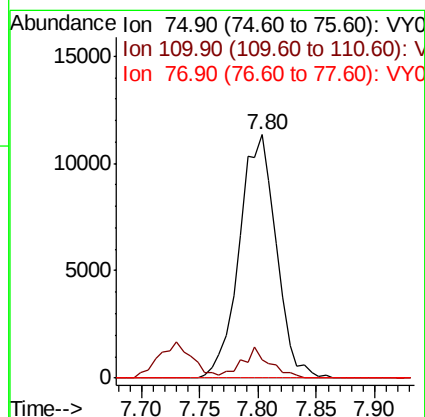
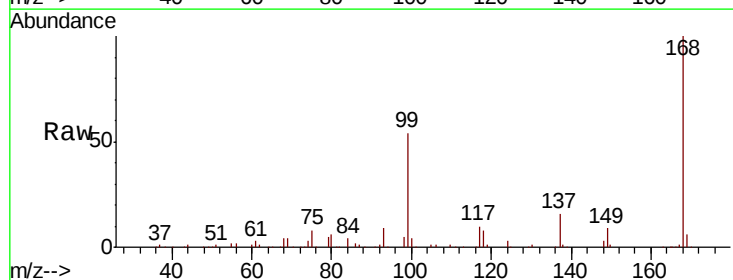
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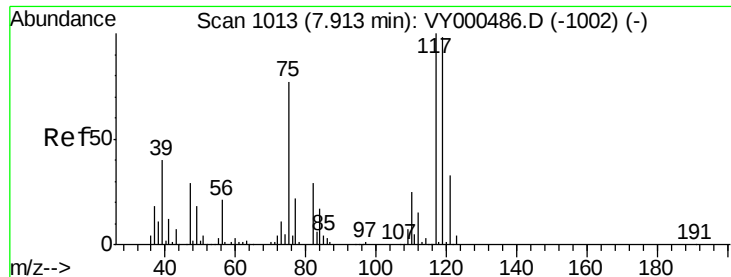
Tot Ion:113 Resp: 162528
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.7 122.5
 192 17.7 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.758 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000774.D
 Acq: 21 Nov 2019 17:33

Tgt Ion: 75 Resp: 25072
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.1 54.1#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.849 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000774.D

Acq: 21 Nov 2019 17:33

Instrument :

MSVOA_Y

ClientSampleId :

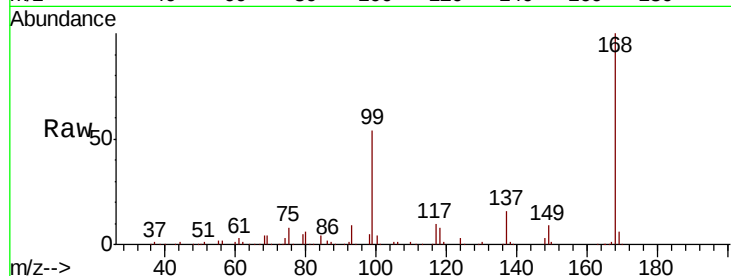
Tot Ion:117 Resp: 29660

Ion Ratio Lower Upper

117 100

119 5.0 78.0 117.0#

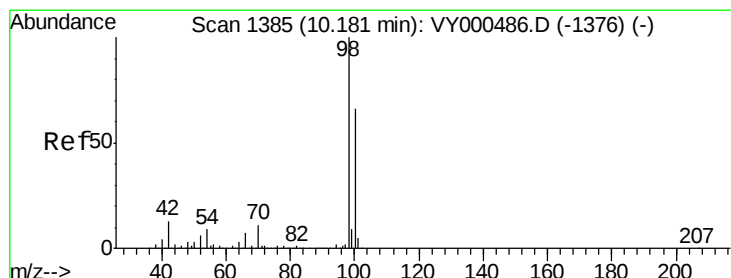
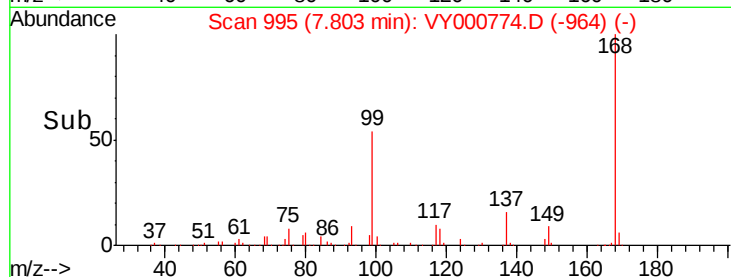
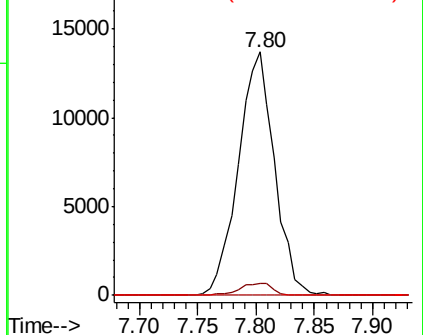
121 0.0 26.6 40.0#



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: 54.236 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000774.D

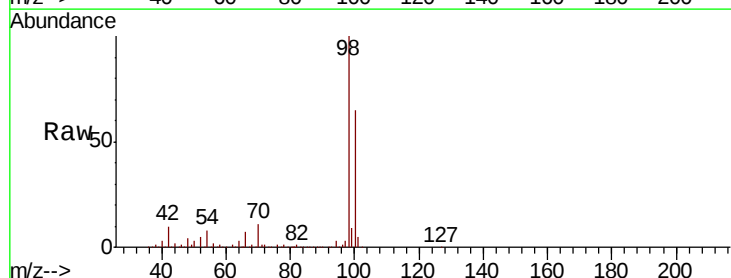
Acq: 21 Nov 2019 17:33

Tgt Ion: 98 Resp: 673485

Ion Ratio Lower Upper

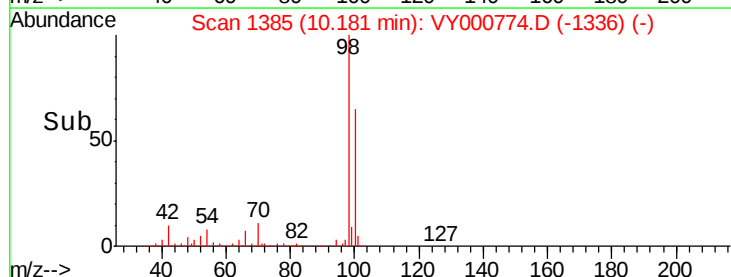
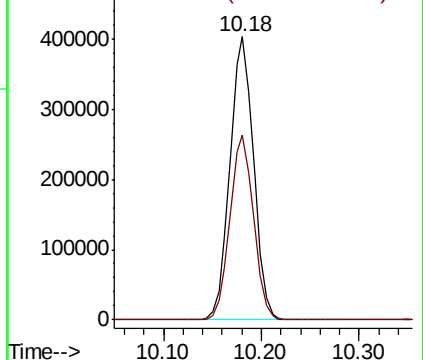
98 100

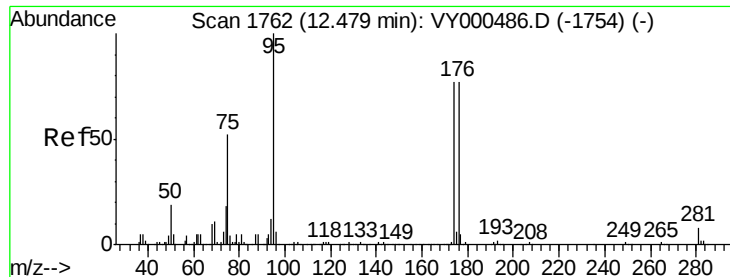
100 65.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

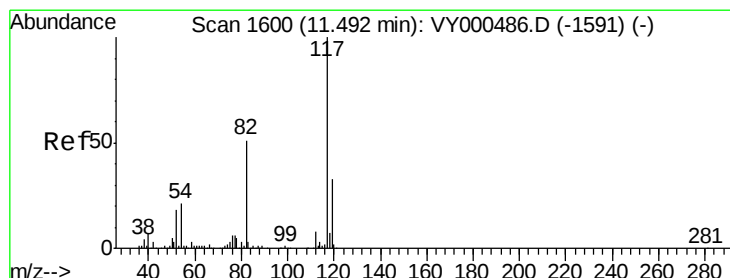
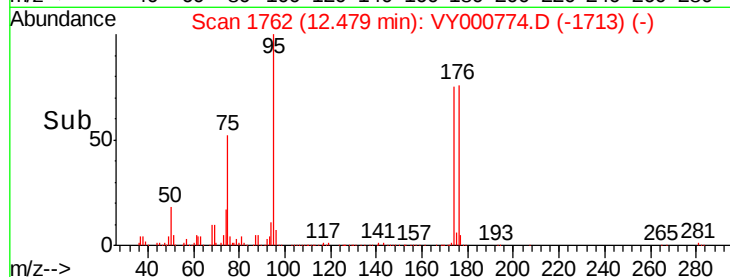
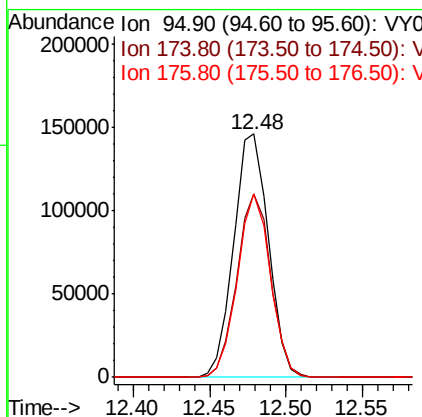
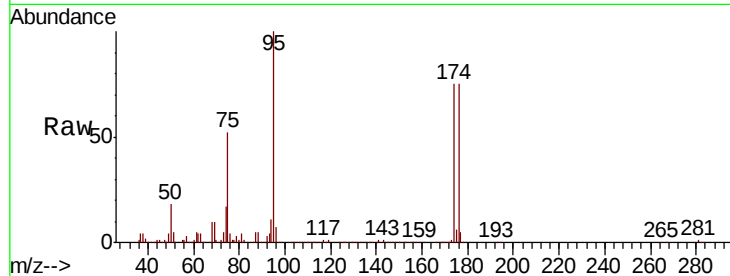




#62
4-Bromofluorobenzene
Concen: 48.592 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000774.D
Acq: 21 Nov 2019 17:33

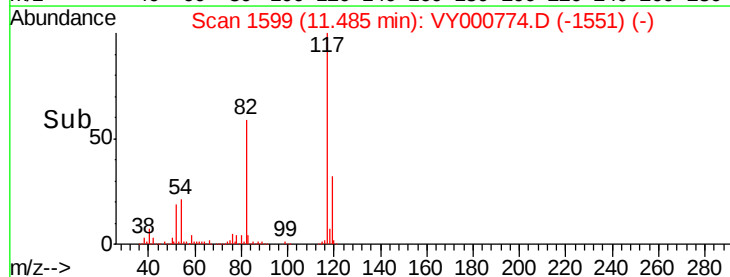
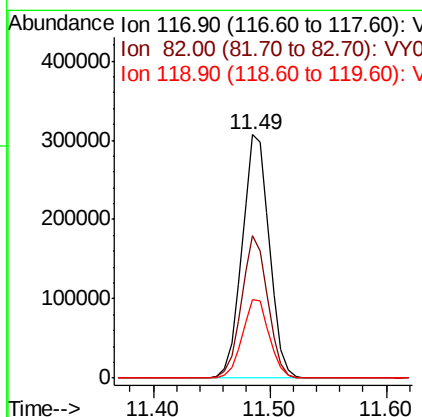
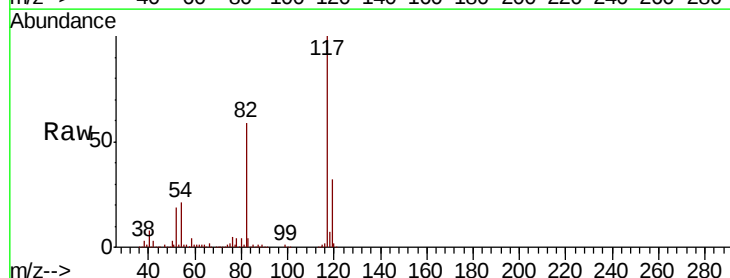
Instrument :
MSVOA_Y
ClientSampleId :

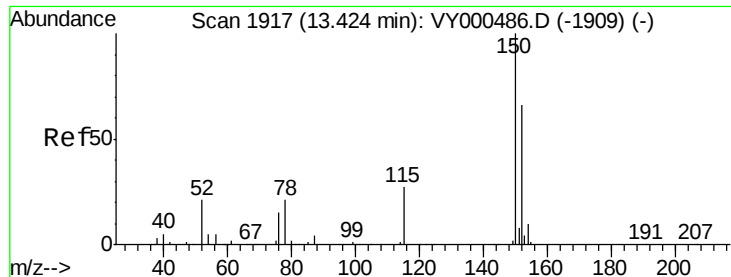
Tot Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	161.6
176	71.8	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000774.D
Acq: 21 Nov 2019 17:33

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.7	40.8	61.2
119	32.1	26.2	39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1916

Delta R.T. -0.01 min

Lab File: VY000774.D

Acq: 21 Nov 2019 17:33

Instrument :

MSVOA_Y

ClientSampleId :

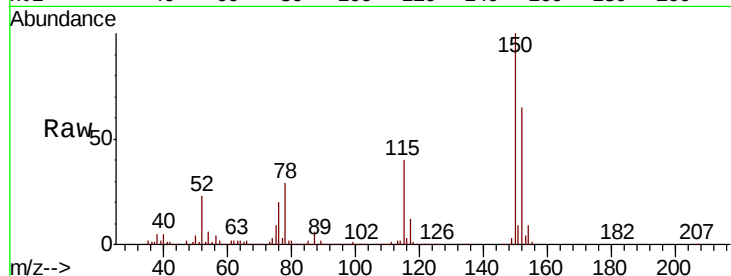
Tot Ion:152 Resp: 224226

Ion Ratio Lower Upper

152 100

115 60.8 29.1 87.4

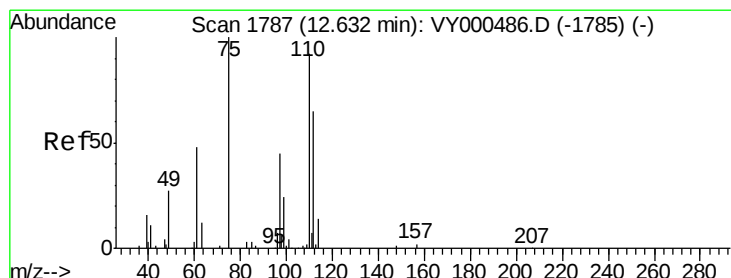
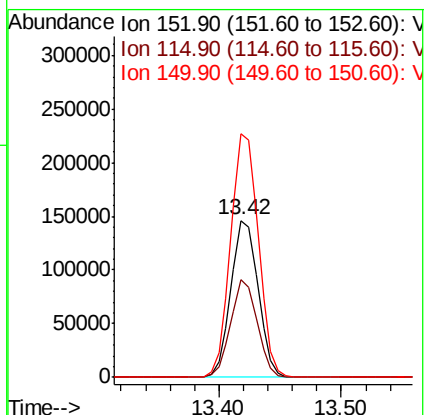
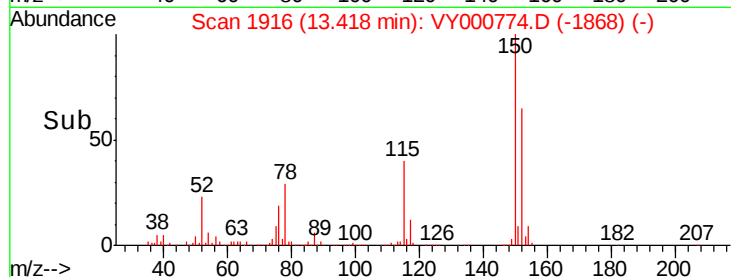
150 158.1 0.0 348.8



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: 46.440 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000774.D

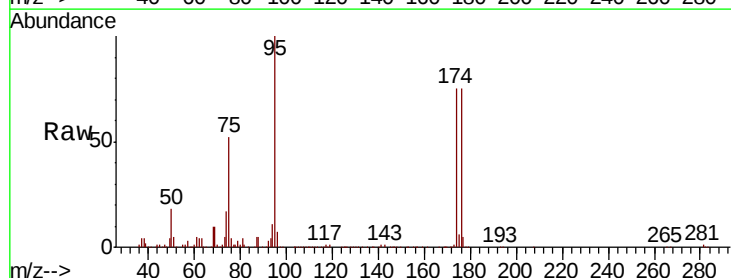
Acq: 21 Nov 2019 17:33

Tgt Ion: 75 Resp: 118568

Ion Ratio Lower Upper

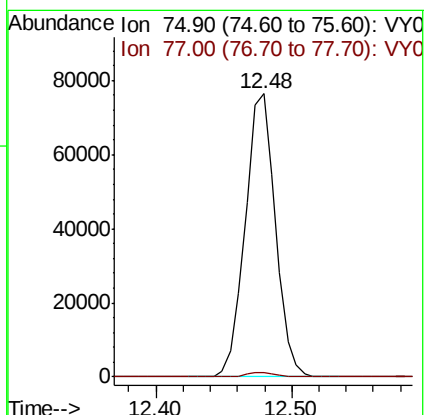
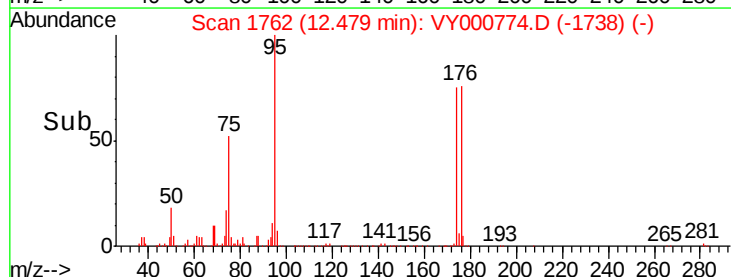
75 100

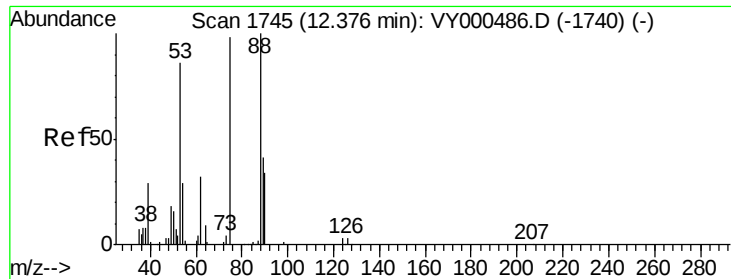
77 1.5 0.0 0.0#



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: 104.126 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000774.D

Acq: 21 Nov 2019 17:33

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 118568

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.1 35.9 53.9#

