

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121919\
 Data File : VY001013.D
 Acq On : 19 Dec 2019 17:04
 Operator : SY/MD
 Sample : K6117-07
 Misc : 6.15G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-121919

Quant Time: Dec 20 03:49:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	235711	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	440928	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	390672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	166254	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	130682	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
35) Dibromofluoromethane	7.72	113	128253	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
50) Toluene-d8	10.17	98	523459	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.48	95	167017	43.29	ug/l	0.00
Spiked Amount			Recovery	=	86.58%	

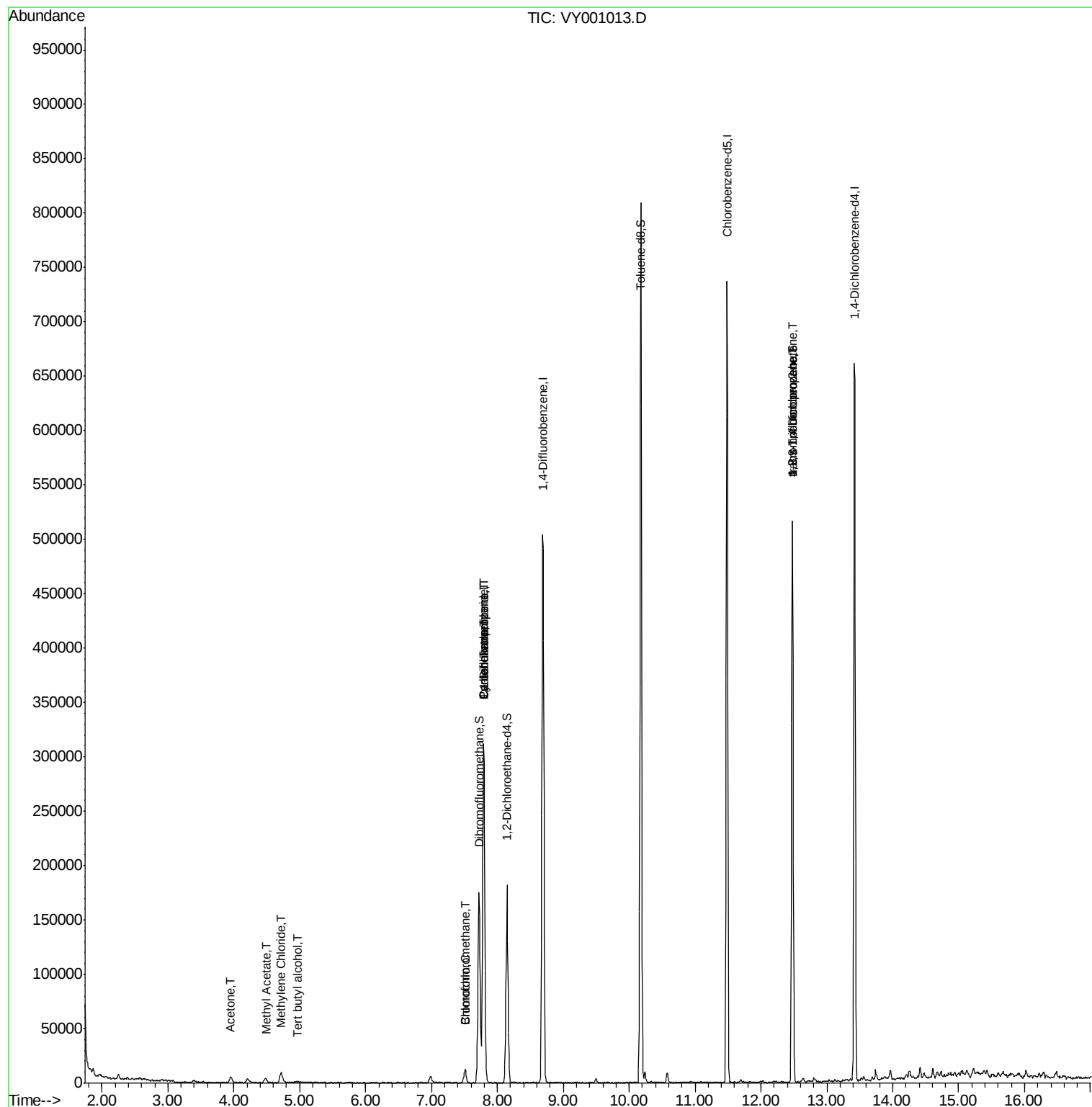
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.65	94	278	Below Cal	#	3
11) Tert butyl alcohol	4.96	59	1105	4.385	ug/l	96
16) Acetone	3.96	43	9768	17.001	ug/l	91
18) Methyl Acetate	4.49	43	7536	3.137	ug/l	95
20) Methylene Chloride	4.72	84	6613	2.184	ug/l	90
28) Bromochloromethane	7.51	49	828	2.447	ug/l #	15
30) Chloroform	7.52	83	11184	2.221	ug/l	95
31) Cyclohexane	7.79	56	5451	1.025	ug/l #	20
36) 1,1-Dichloropropene	7.79	75	19034	4.342	ug/l #	50
38) Carbon Tetrachloride	7.79	117	22755	5.828	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	83621	44.393	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	83621	87.201	ug/l #	18

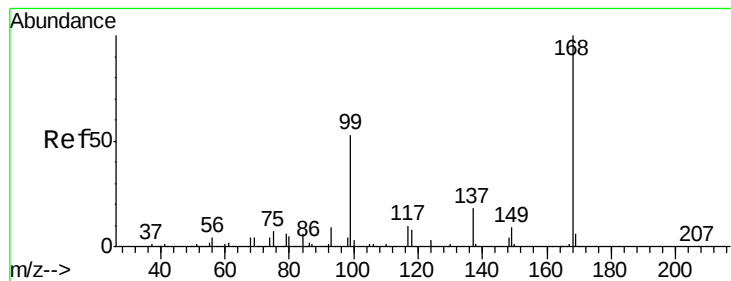
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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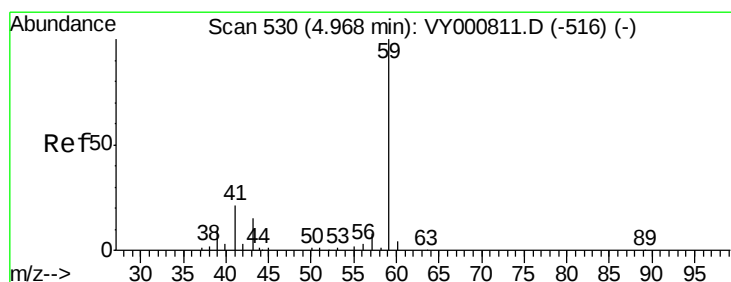
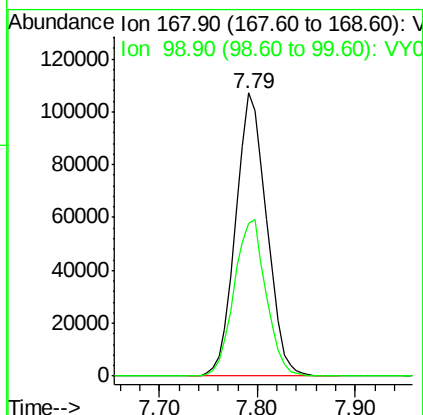
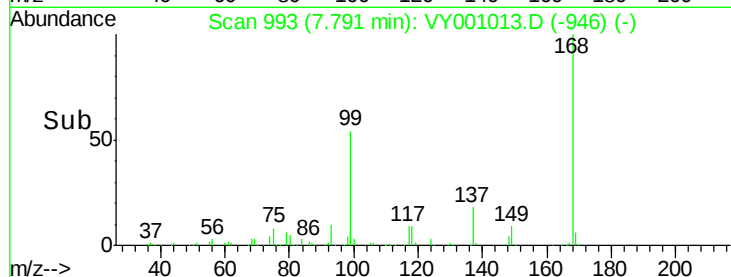
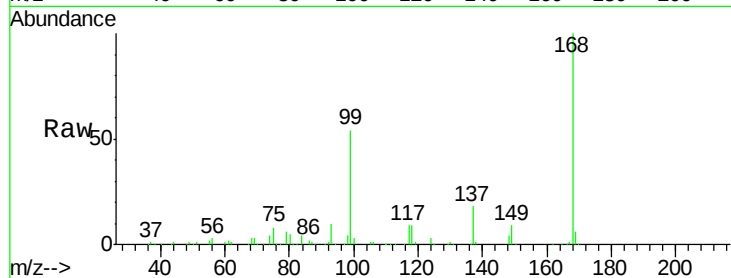




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.01 min
Lab File: VY001013.D
Acq: 19 Dec 2019 17:04

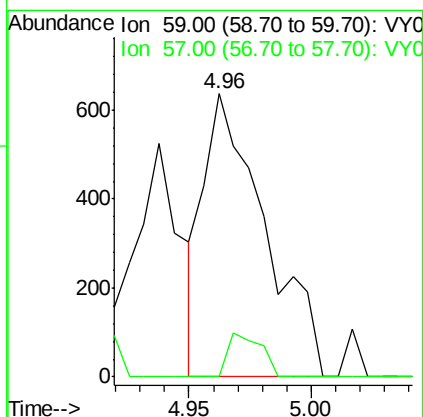
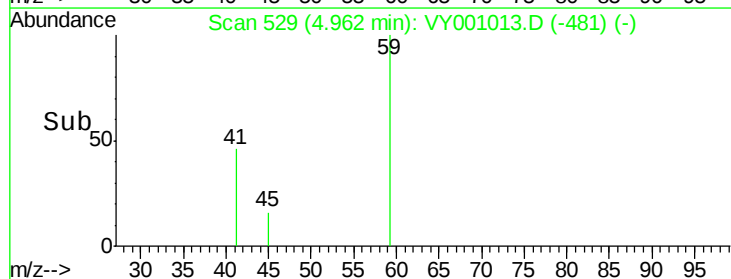
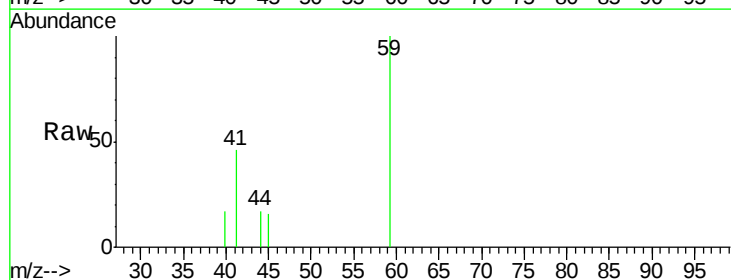
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-121919

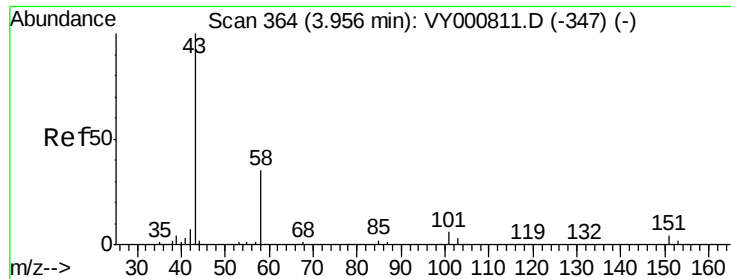
Tgt Ion: 168 Resp: 235711
Ion Ratio Lower Upper
168 100
99 54.0 45.0 67.6



#11
Tert butyl alcohol
Concen: 4.385 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY001013.D
Acq: 19 Dec 2019 17:04

Tgt Ion: 59 Resp: 1105
Ion Ratio Lower Upper
59 100
57 8.2 7.8 11.6





#16

Acetone

Concen: 17.001 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY001013.D

Acq: 19 Dec 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

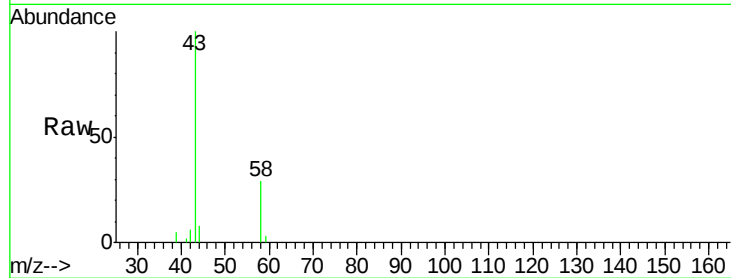
TR-04-121919

Tgt Ion: 43 Resp: 9768

Ion Ratio Lower Upper

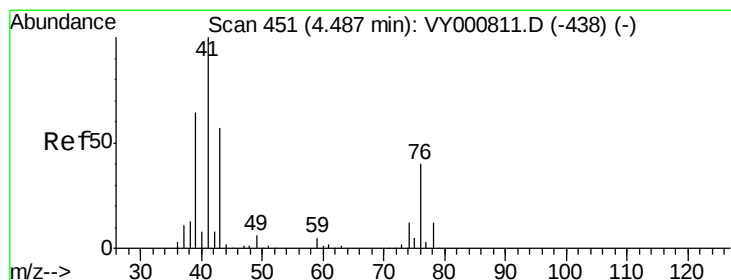
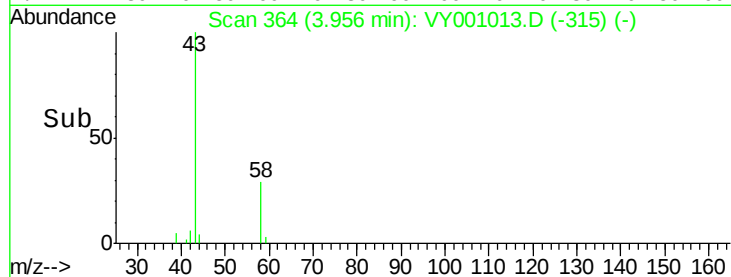
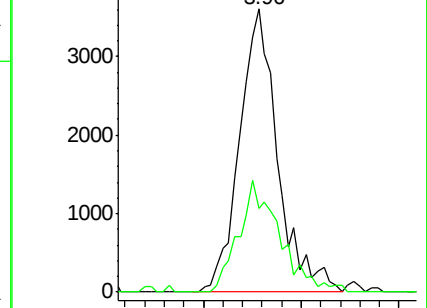
43 100

58 29.5 28.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#18

Methyl Acetate

Concen: 3.137 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY001013.D

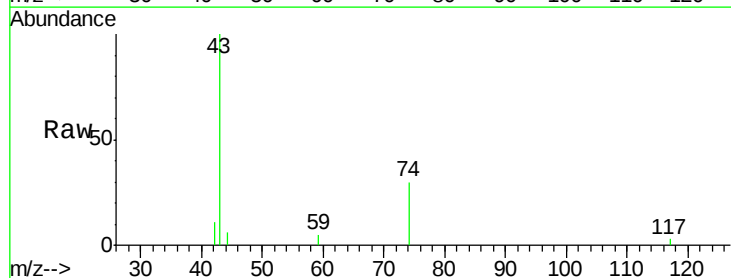
Acq: 19 Dec 2019 17:04

Tgt Ion: 43 Resp: 7536

Ion Ratio Lower Upper

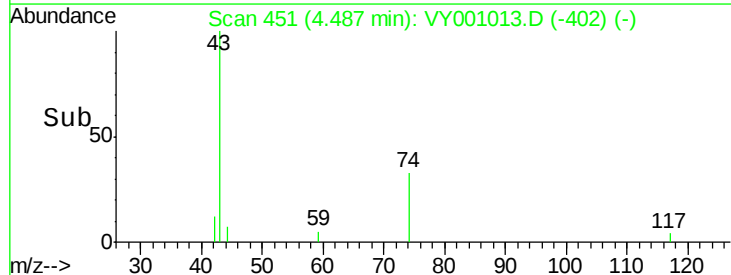
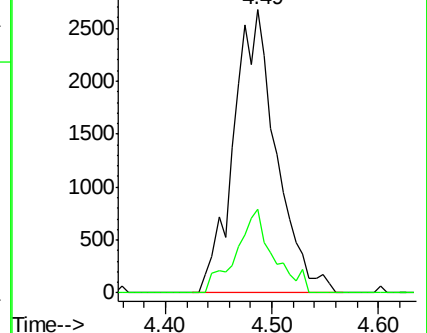
43 100

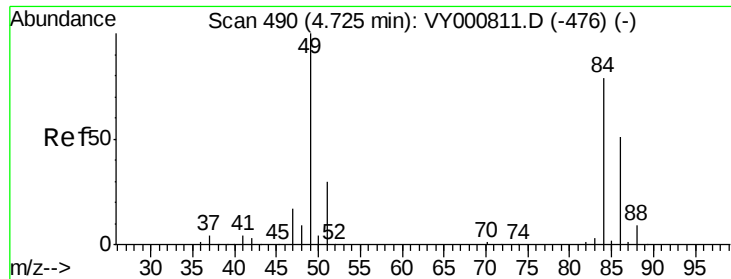
74 25.5 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

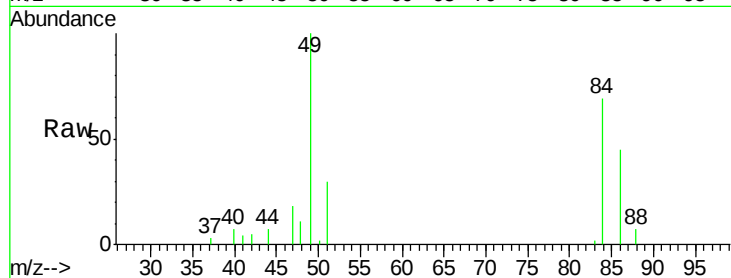




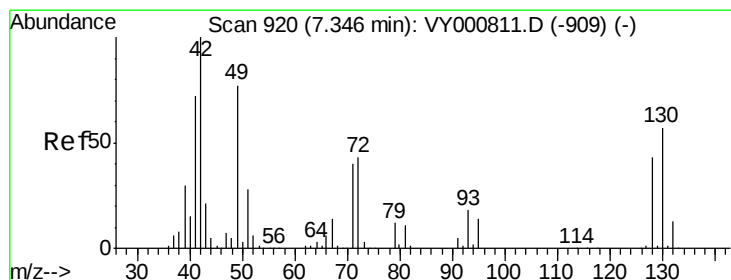
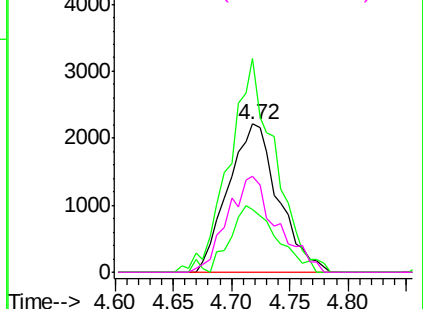
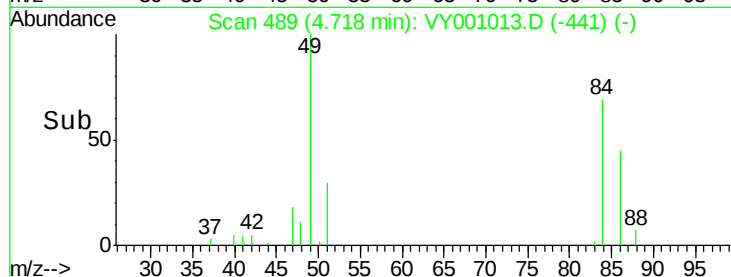
#20
Methylene Chloride
Concen: 2.184 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY001013.D
Acq: 19 Dec 2019 17:04

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-121919

Tgt Ion: 84 Resp: 6613
Ion Ratio Lower Upper
84 100
49 144.1 101.3 151.9
51 42.7 30.6 45.8
86 64.6 51.3 76.9

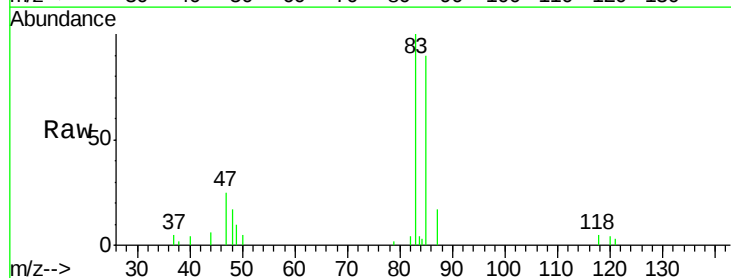


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

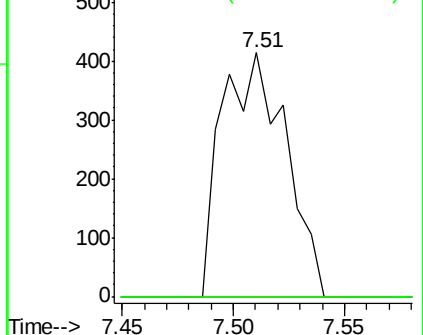
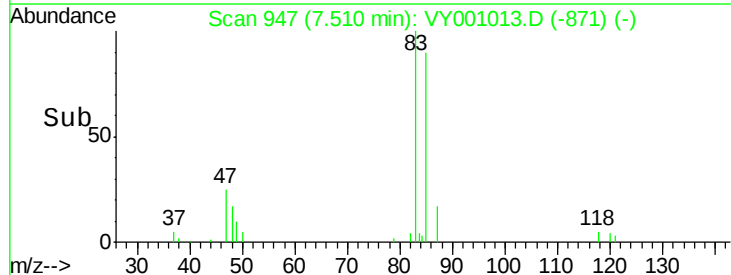


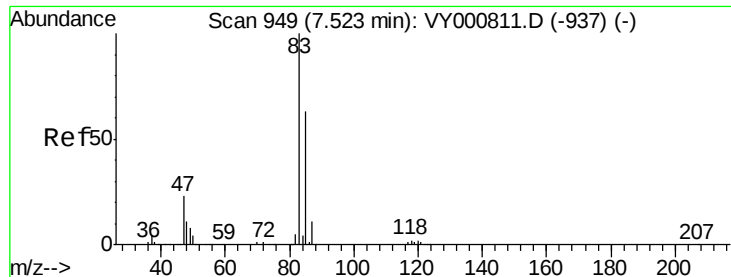
#28
Bromochloromethane
Concen: 2.447 ug/l
RT: 7.51 min Scan# 947
Delta R.T. 0.16 min
Lab File: VY001013.D
Acq: 19 Dec 2019 17:04

Tgt Ion: 49 Resp: 828
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.7 88.1#



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

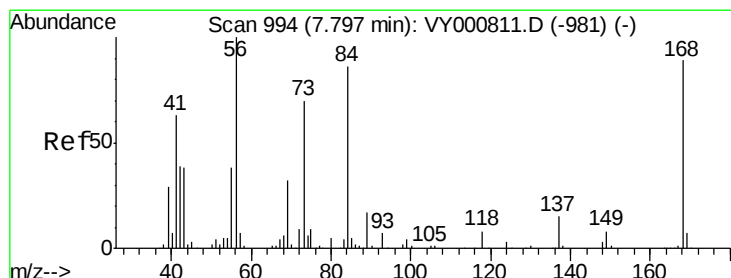
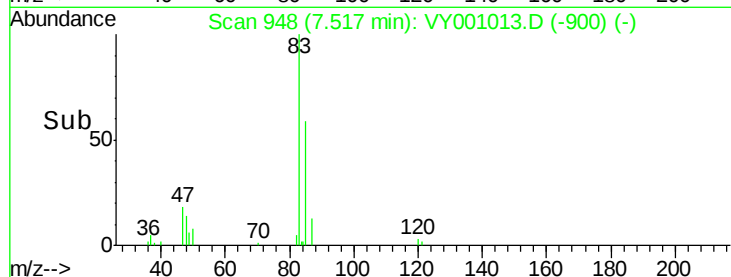
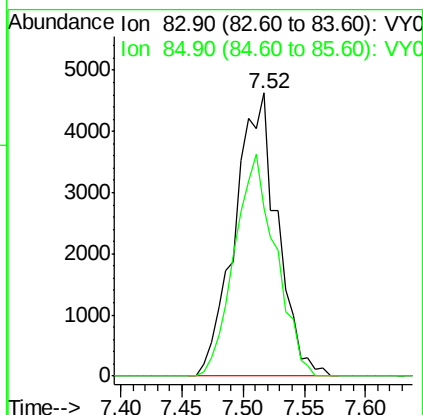
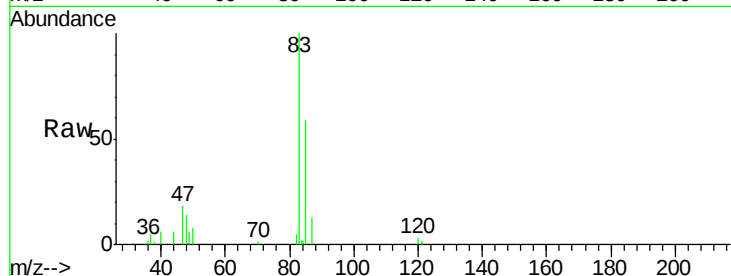




#30
Chloroform
Concen: 2.221 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY001013.D
Acq: 19 Dec 2019 17:04

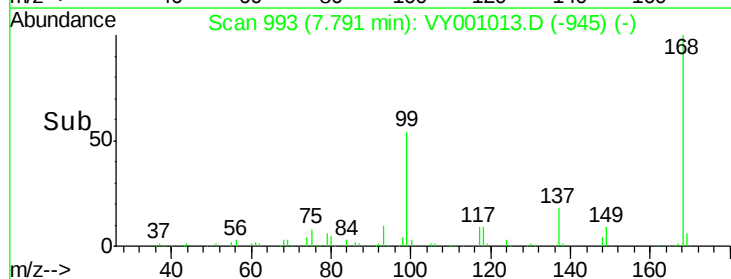
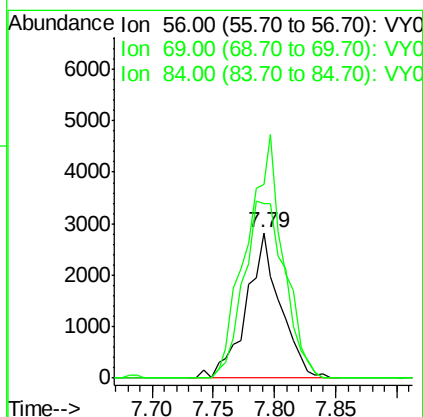
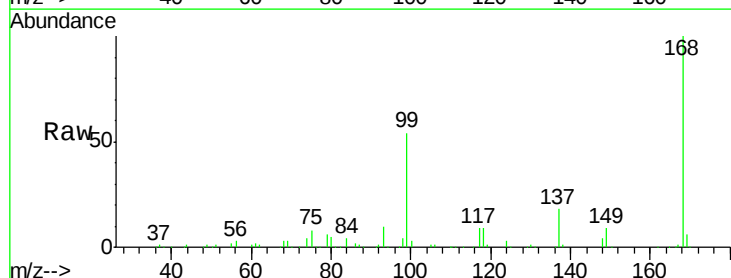
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-121919

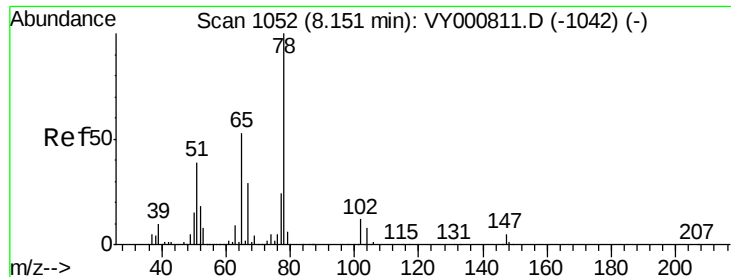
Tgt Ion: 83 Resp: 11184
Ion Ratio Lower Upper
83 100
85 59.4 50.4 75.6



#31
Cyclohexane
Concen: 1.025 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.01 min
Lab File: VY001013.D
Acq: 19 Dec 2019 17:04

Tgt Ion: 56 Resp: 5451
Ion Ratio Lower Upper
56 100
69 120.0 25.9 38.9#
84 132.8 68.6 102.8#





#33

1,2-Dichloroethane-d4

Concen: 52.176 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY001013.D

Acq: 19 Dec 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

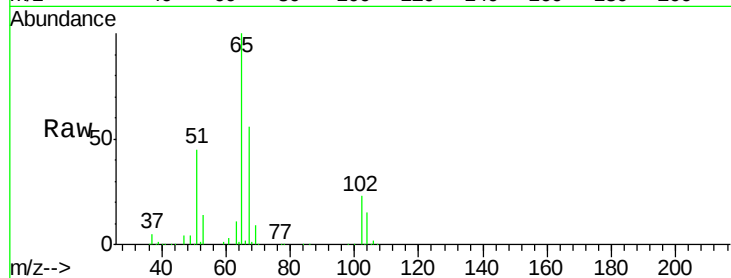
TR-04-121919

Tgt Ion: 65 Resp: 130682

Ion Ratio Lower Upper

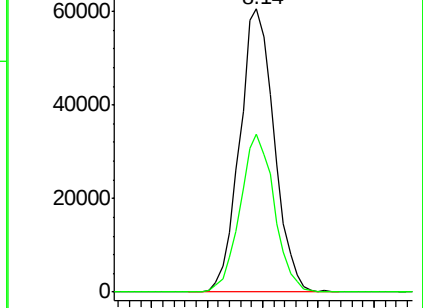
65 100

67 55.3 0.0 112.0

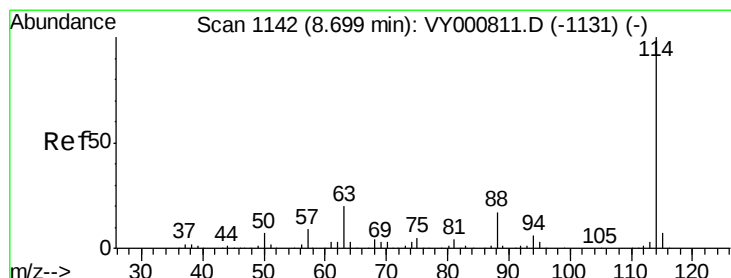
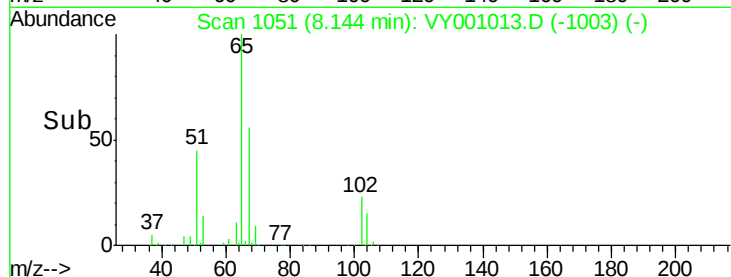


Abundance Ion 64.90 (64.60 to 65.60): VY000811.D (-1042) (-)

Ion 66.90 (66.60 to 67.60): VY000811.D (-1042) (-)



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VY001013.D

Acq: 19 Dec 2019 17:04

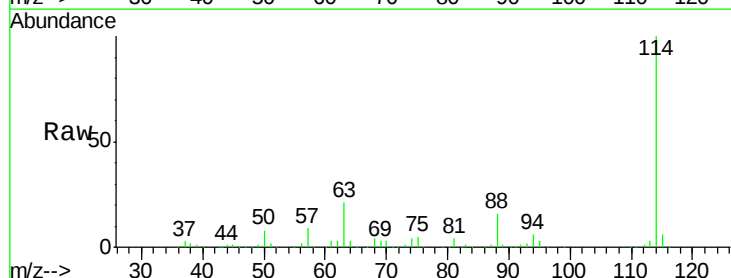
Tgt Ion: 114 Resp: 440928

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.8

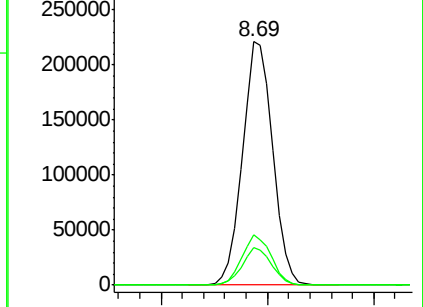
88 15.5 0.0 33.2



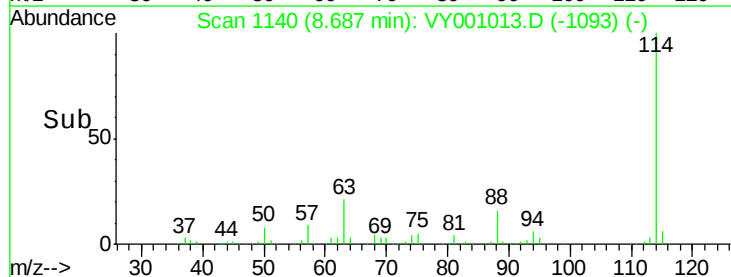
Abundance Ion 113.90 (113.60 to 114.60): VY000811.D (-1131) (-)

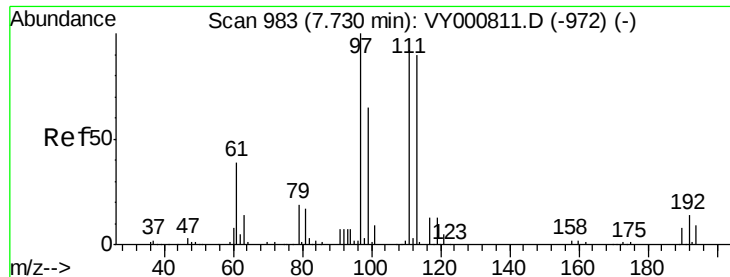
Ion 63.00 (62.70 to 63.70): VY000811.D (-1131) (-)

Ion 87.90 (87.60 to 88.60): VY000811.D (-1131) (-)



Time-->

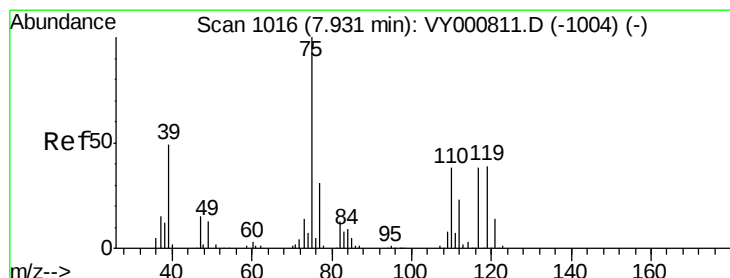
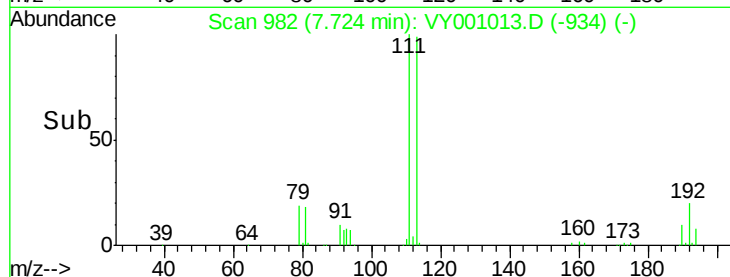
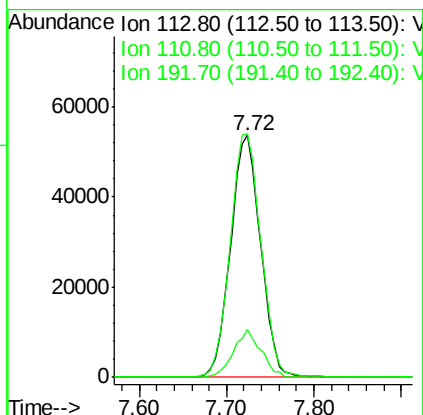
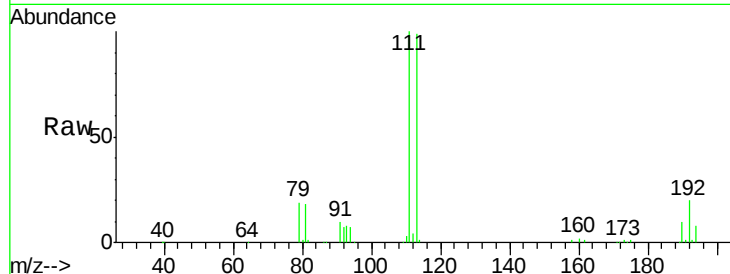




#35
 Dibromofluoromethane
 Concen: 49.909 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY001013.D
 Acq: 19 Dec 2019 17:04

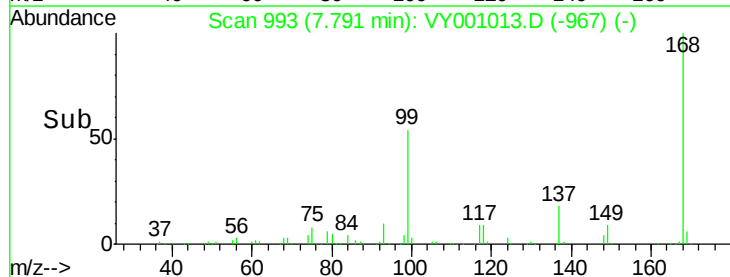
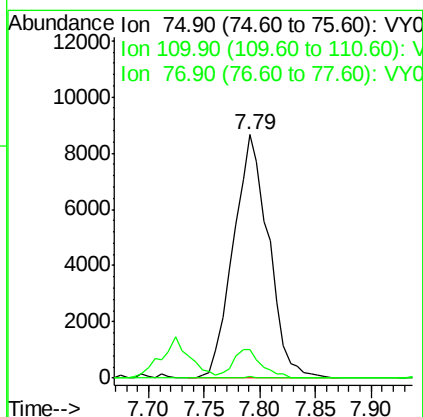
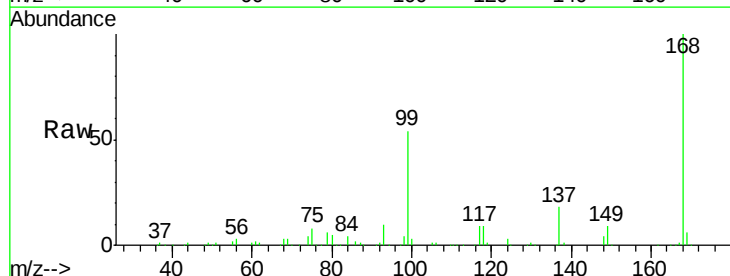
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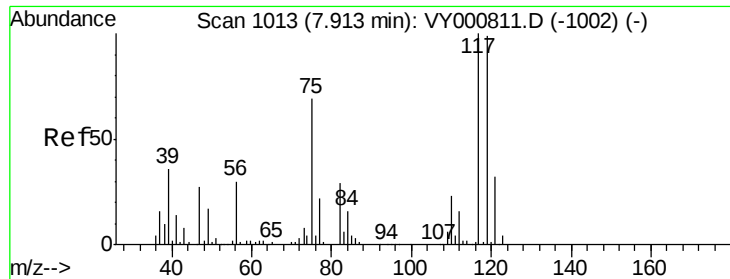
Tgt Ion: 113 Resp: 128253
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.4 123.6
 192 18.0 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.342 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.14 min
 Lab File: VY001013.D
 Acq: 19 Dec 2019 17:04

Tgt Ion: 75 Resp: 19034
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.9 53.7#
 77 0.2 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.828 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY001013.D

Acq: 19 Dec 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-121919

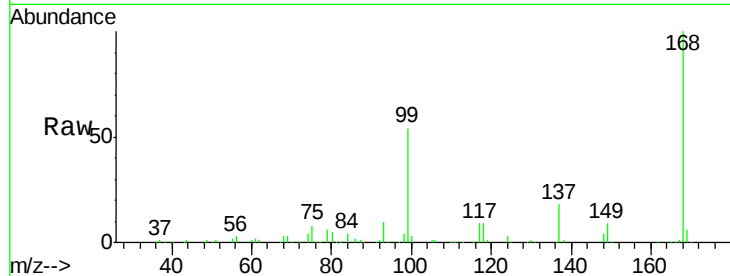
Tgt Ion: 117 Resp: 22755

Ion Ratio Lower Upper

117 100

119 5.5 79.3 118.9#

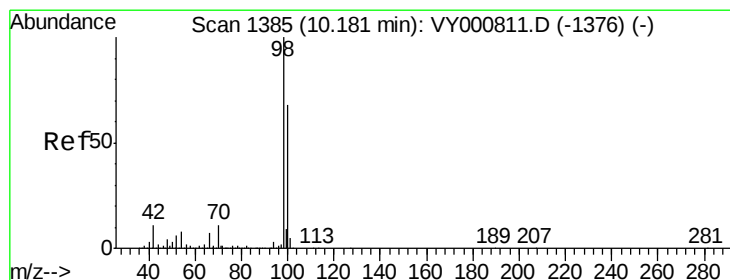
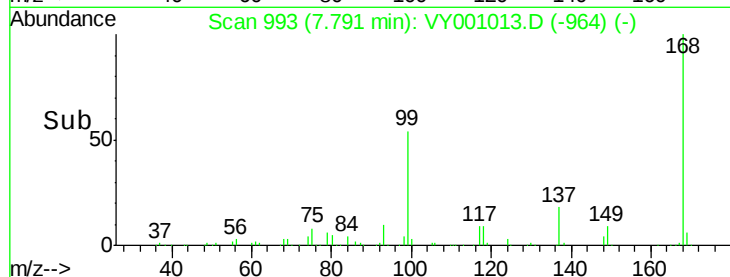
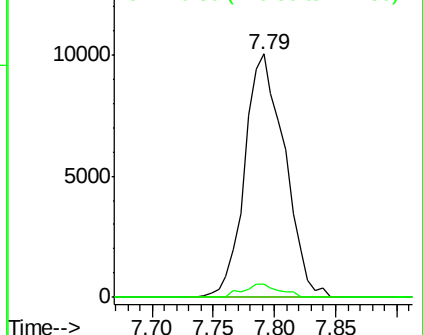
121 0.0 25.5 38.3#



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: 50.952 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. -0.01 min

Lab File: VY001013.D

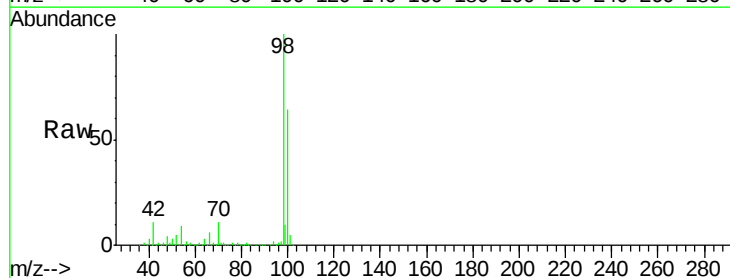
Acq: 19 Dec 2019 17:04

Tgt Ion: 98 Resp: 523459

Ion Ratio Lower Upper

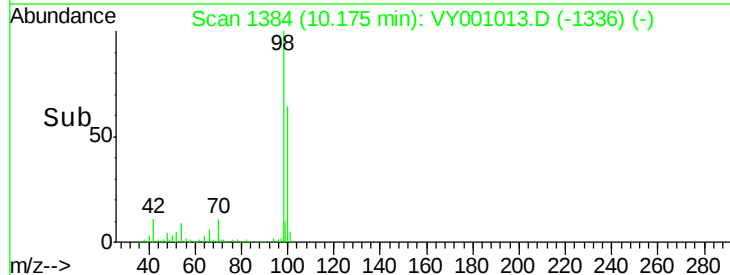
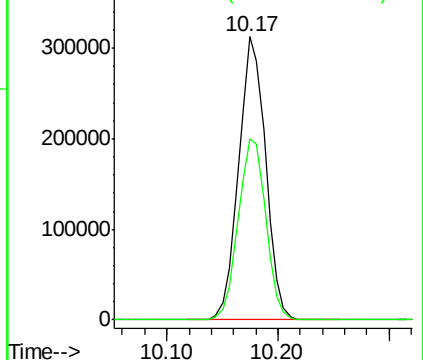
98 100

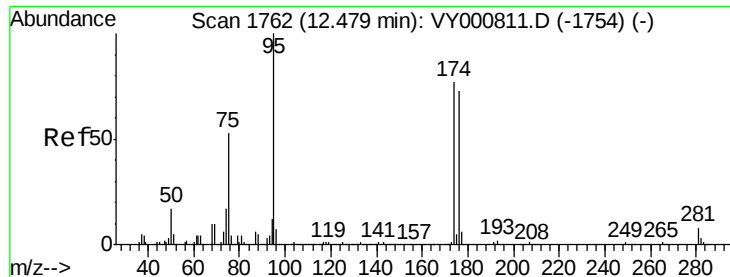
100 65.5 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

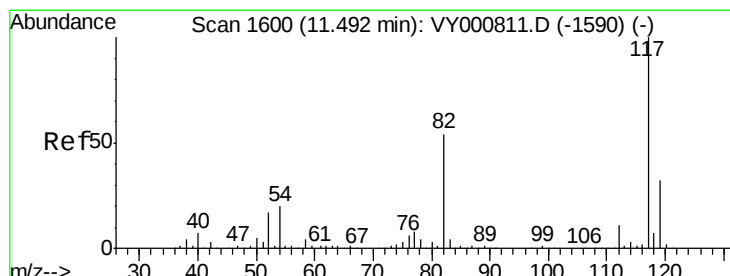
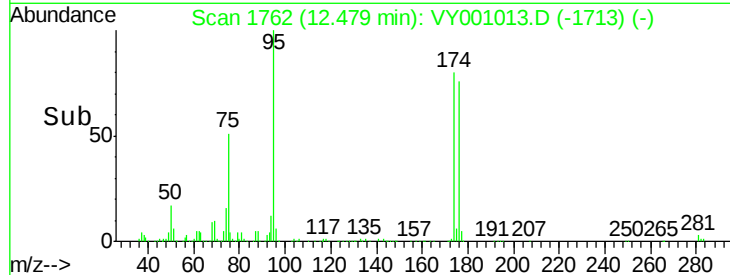
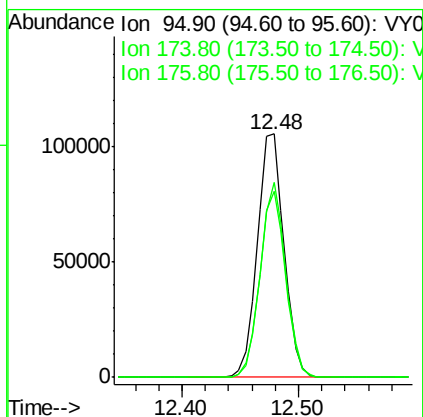
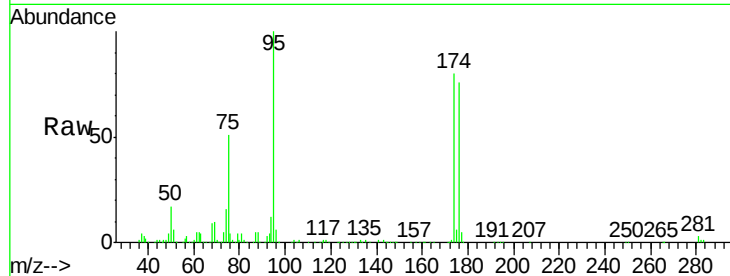




#62
4-Bromofluorobenzene
Concen: 43.288 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY001013.D
Acq: 19 Dec 2019 17:04

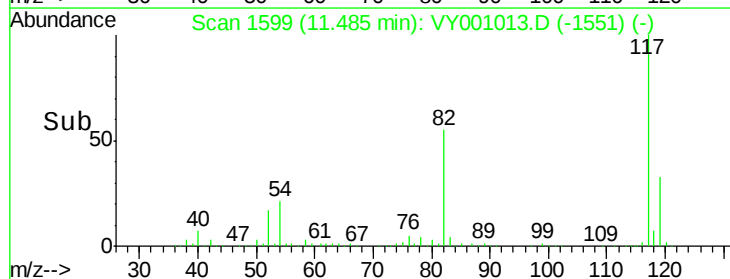
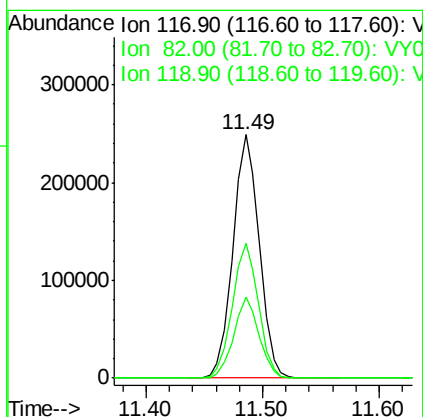
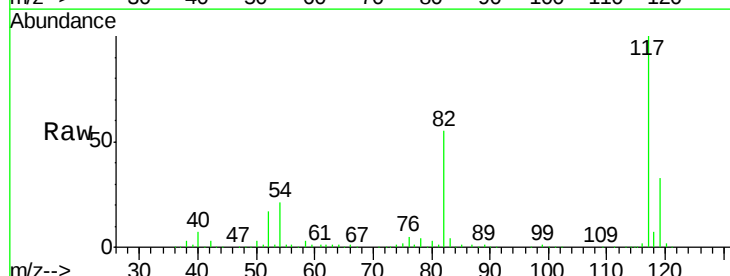
Instrument :
MSVOA_Y
ClientSampled :
TR-04-121919

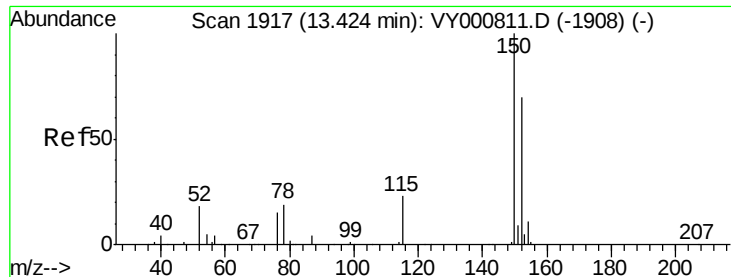
Tgt Ion: 95 Resp: 167017
Ion Ratio Lower Upper
95 100
174 76.2 0.0 150.6
176 74.0 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY001013.D
Acq: 19 Dec 2019 17:04

Tgt Ion: 117 Resp: 390672
Ion Ratio Lower Upper
117 100
82 55.2 43.1 64.7
119 33.4 25.3 37.9



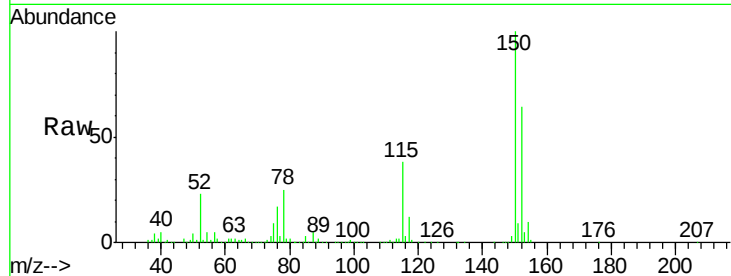


#72

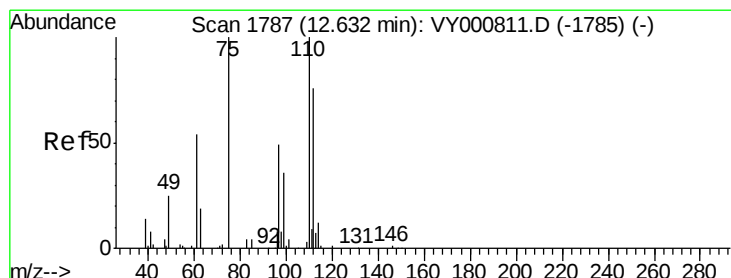
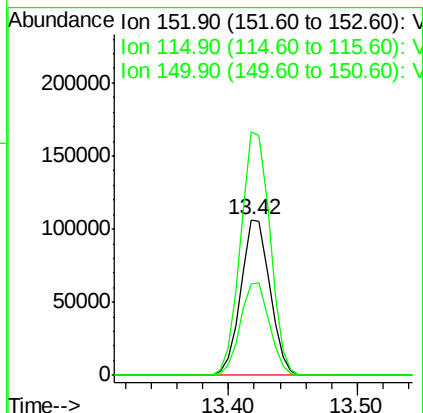
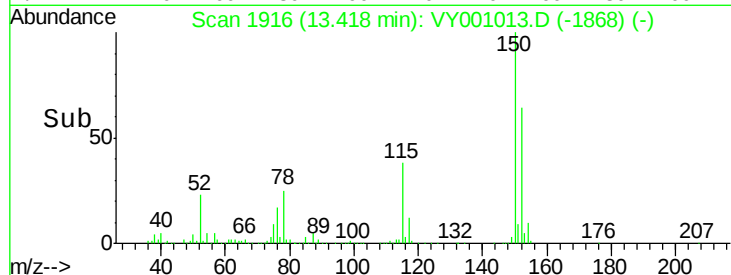
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VY001013.D
Acq: 19 Dec 2019 17:04

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-121919

Tgt Ion:152 Resp: 166254
Ion Ratio Lower Upper
152 100
115 59.3 29.3 87.8
150 158.0 0.0 351.2



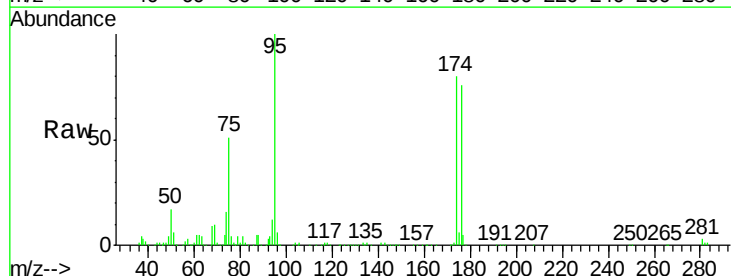
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



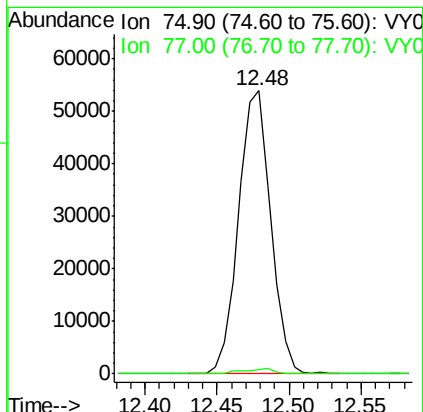
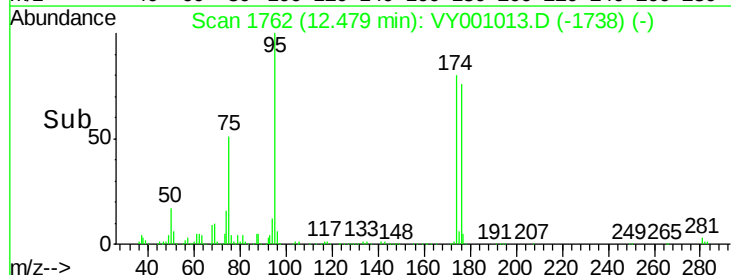
#76

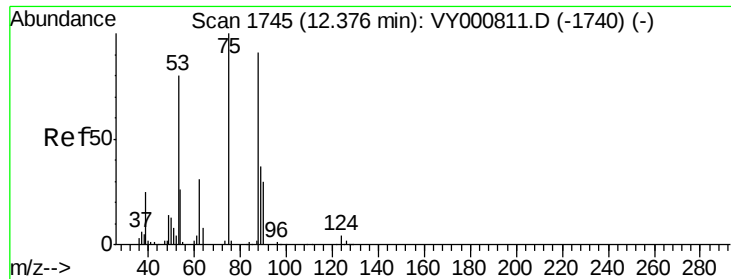
1,2,3-Trichloropropane
Concen: 44.393 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY001013.D
Acq: 19 Dec 2019 17:04

Tgt Ion: 75 Resp: 83621
Ion Ratio Lower Upper
75 100
77 1.8 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: 87.201 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001013.D

Acq: 19 Dec 2019 17:04

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-121919

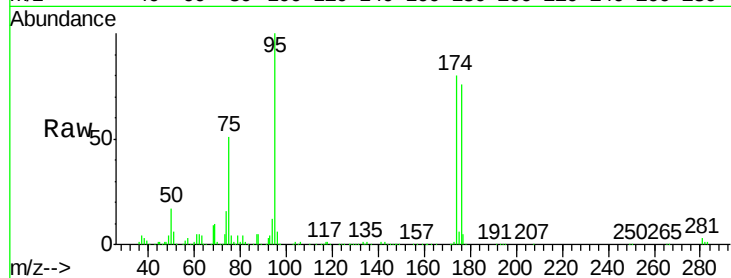
Tgt Ion: 75 Resp: 83621

Ion Ratio Lower Upper

75 100

53 0.1 64.6 96.8#

89 0.1 33.6 50.4#



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

