

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011520\
 Data File : VY001239.D
 Acq On : 16 Jan 2020 00:05
 Operator : SY/MD
 Sample : L1136-01
 Misc : 8.47G/5ML/MSVOA_Y/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB456_200113_28-30

Quant Time: Jan 16 04:55:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	171549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	304083	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	260477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	107347	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	96069	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
35) Dibromofluoromethane	7.73	113	90048	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	10.18	98	352257	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.48	95	118170	42.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.26%	

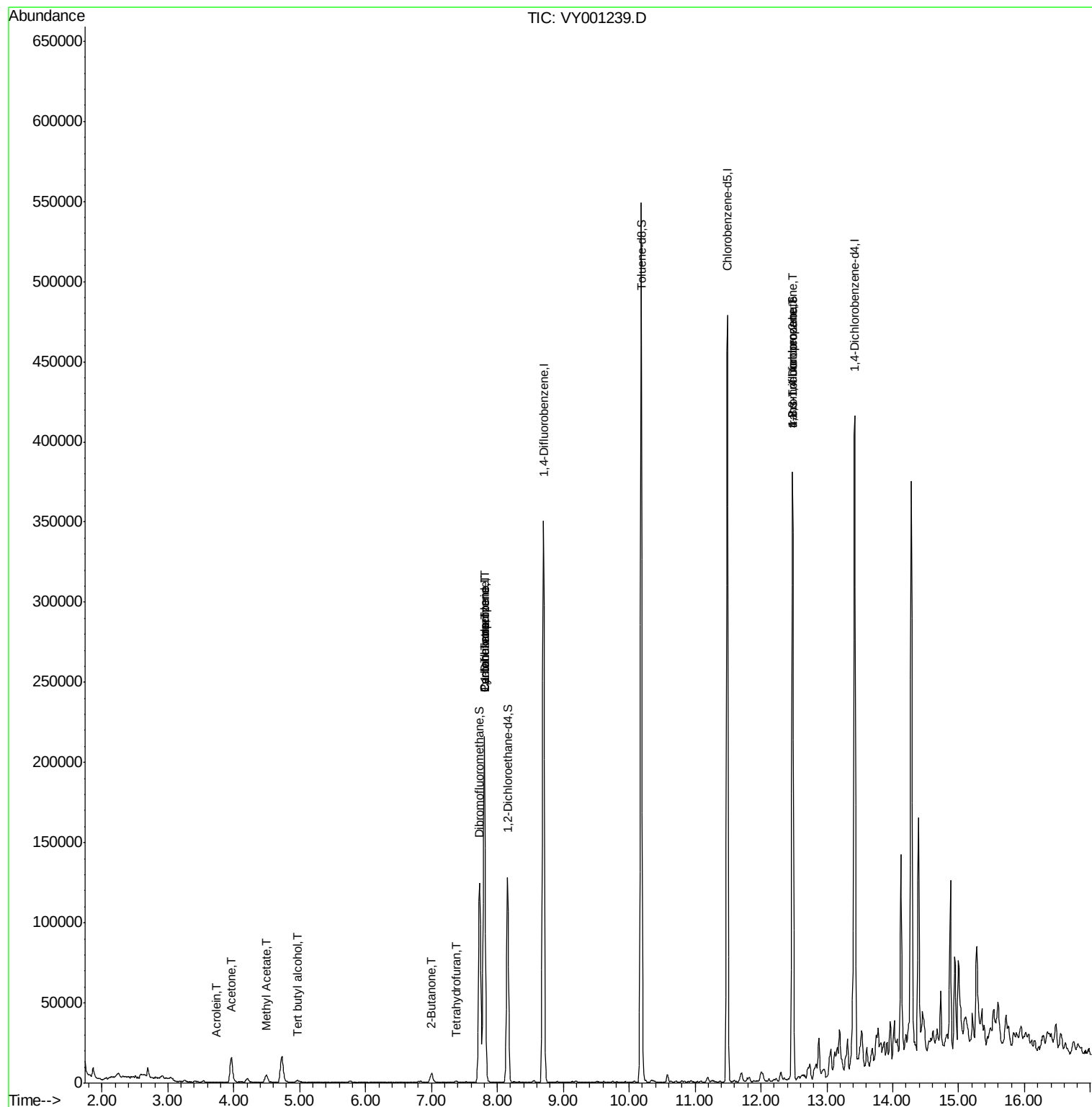
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	2480	13.604	ug/l	97
13) Acrolein	3.73	56	383	2.334	ug/l	86
16) Acetone	3.96	43	27532	65.429	ug/l	100
18) Methyl Acetate	4.49	43	9218	6.626	ug/l	98
25) 2-Butanone	7.00	43	1493	2.280	ug/l	100
29) Tetrahydrofuran	7.38	42	469	1.045	ug/l #	45
31) Cyclohexane	7.80	56	3630	1.036	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	13475	4.862	ug/l #	49
38) Carbon Tetrachloride	7.80	117	15993	6.297	ug/l #	14
76) 1,2,3-Trichloropropane	12.48	75	56792	49.420	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	56792	83.806	ug/l #	8

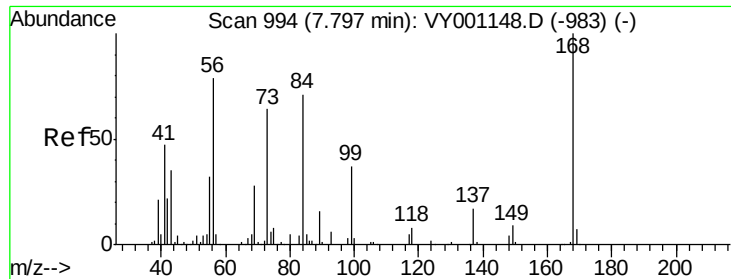
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001239.D

Acq: 16 Jan 2020 00:05

Instrument :

MSVOA_Y

ClientSampleId :

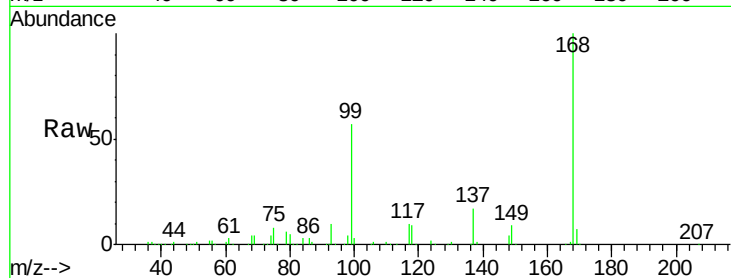
WP022SB456_200113_28-30

Tgt Ion: 168 Resp: 171549

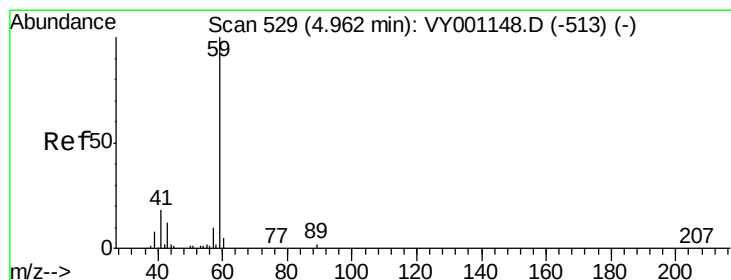
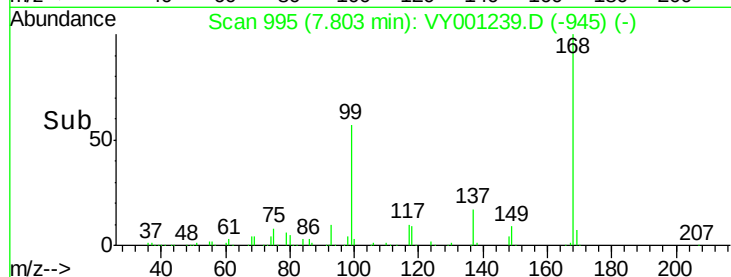
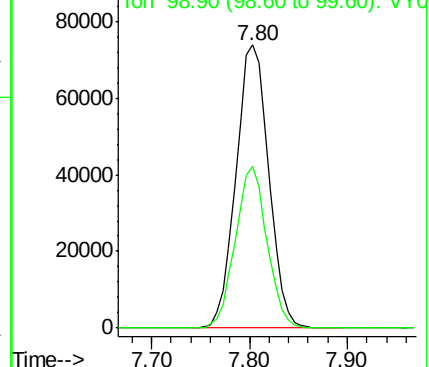
Ion Ratio Lower Upper

168 100

99 57.0 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)



#11

Tert butyl alcohol

Concen: 13.604 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY001239.D

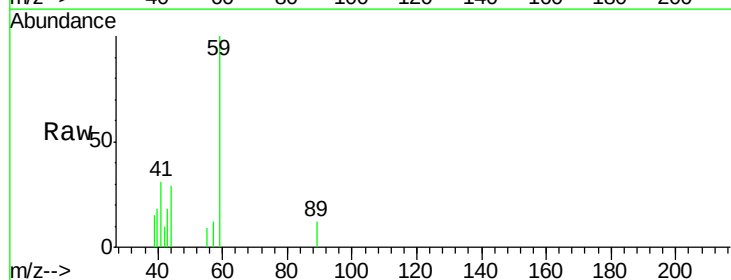
Acq: 16 Jan 2020 00:05

Tgt Ion: 59 Resp: 2480

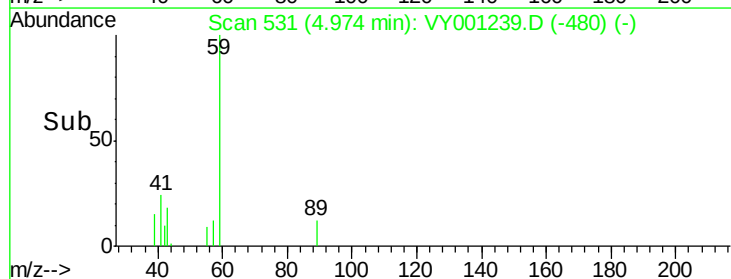
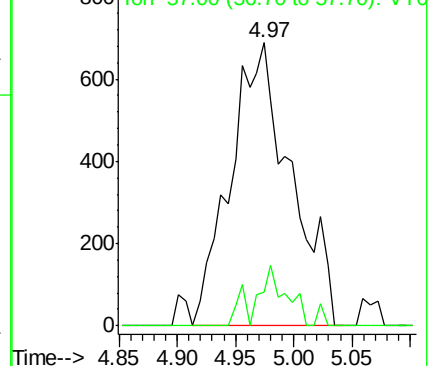
Ion Ratio Lower Upper

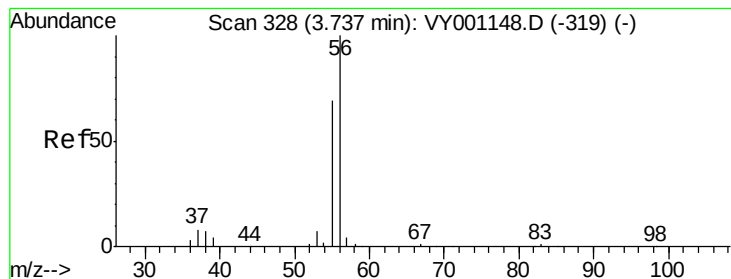
59 100

57 8.7 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VY001148.D (-513) (-)





#13

Acrolein

Concen: 2.334 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.01 min

Lab File: VY001239.D

Acq: 16 Jan 2020 00:05

Instrument :

MSVOA_Y

ClientSampleId :

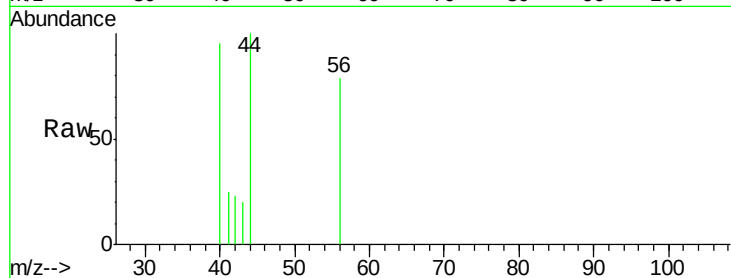
WP022SB456_200113_28-30

Tgt Ion: 56 Resp: 383

Ion Ratio Lower Upper

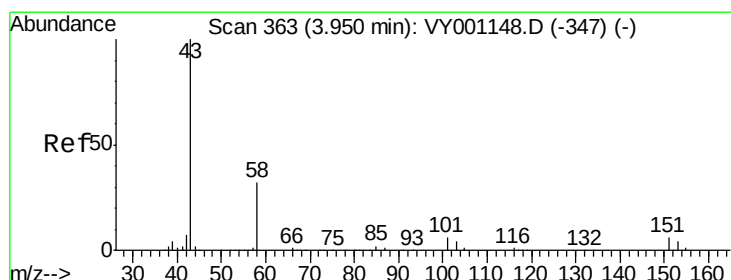
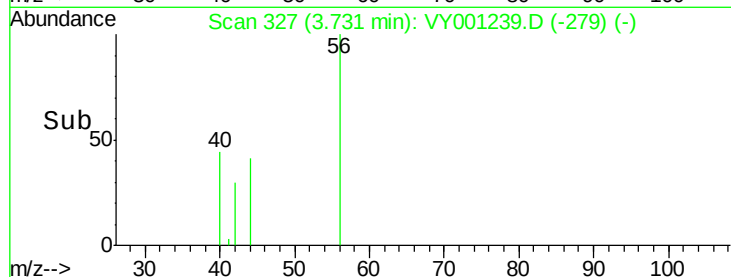
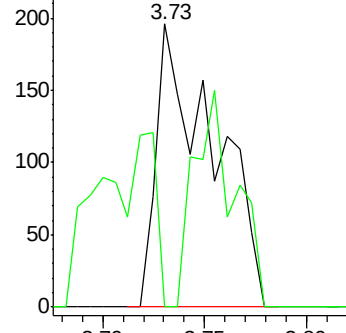
56 100

55 59.5 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#16

Acetone

Concen: 65.429 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001239.D

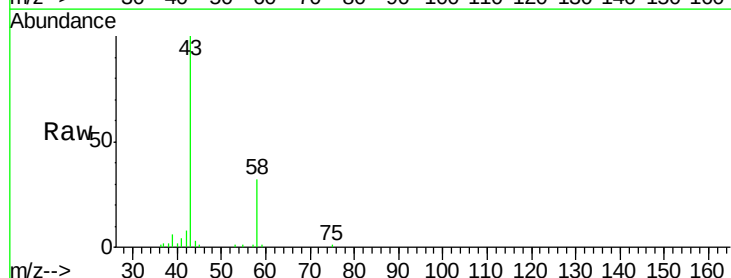
Acq: 16 Jan 2020 00:05

Tgt Ion: 43 Resp: 27532

Ion Ratio Lower Upper

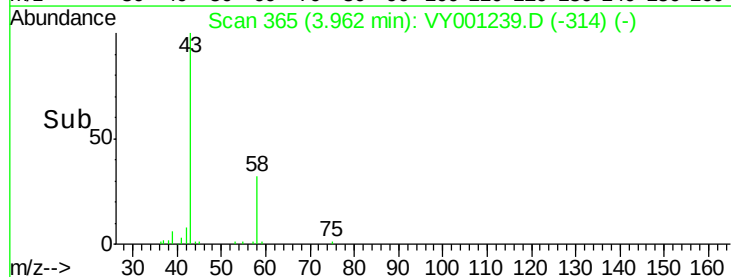
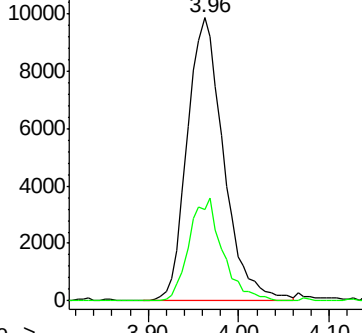
43 100

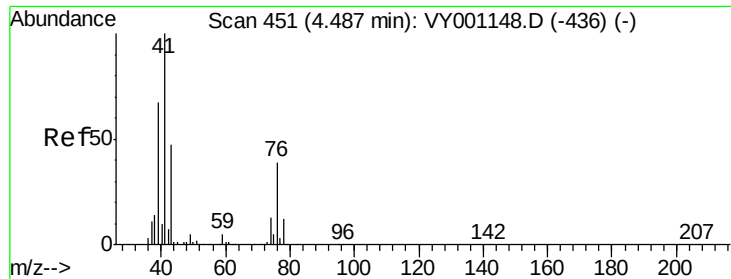
58 32.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

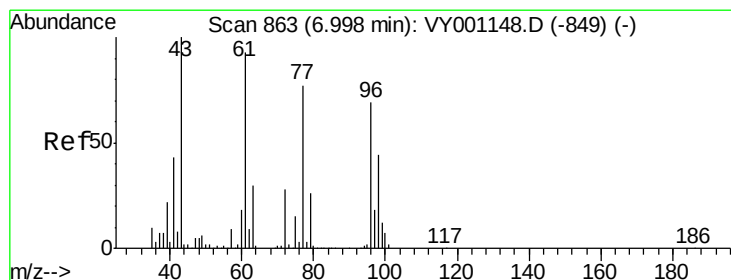
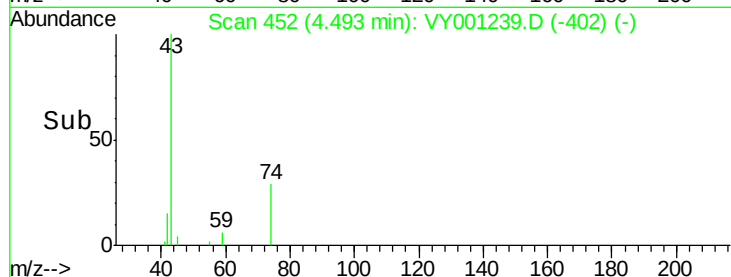
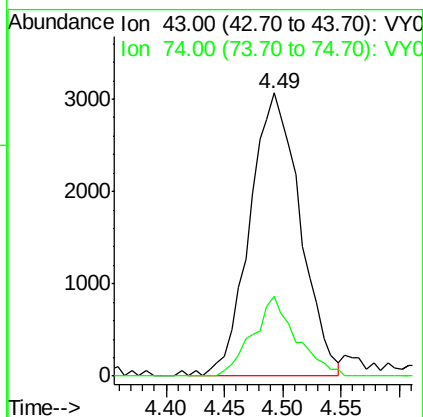
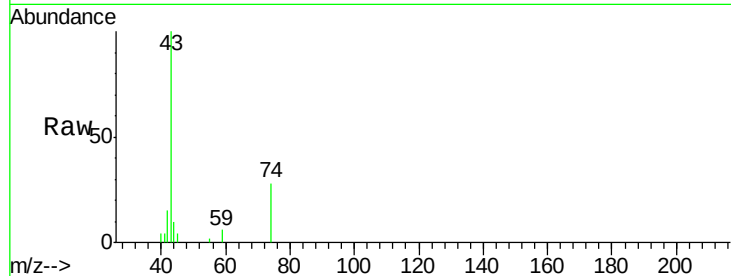




#18
Methyl Acetate
Concen: 6.626 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY001239.D
Acq: 16 Jan 2020 00:05

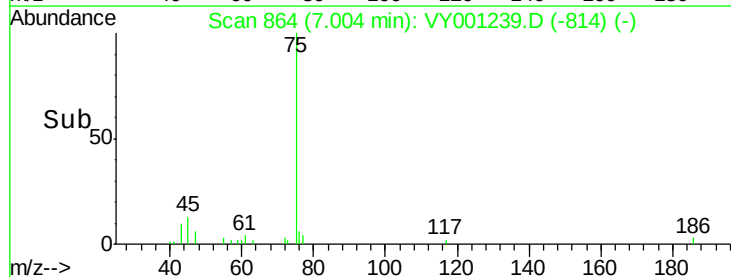
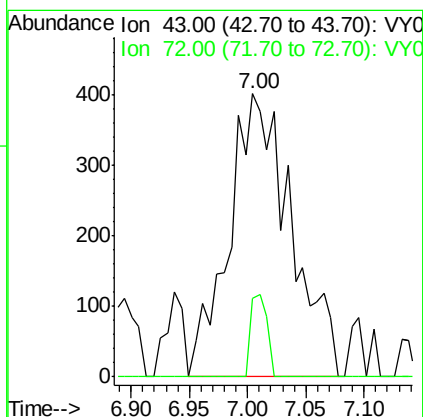
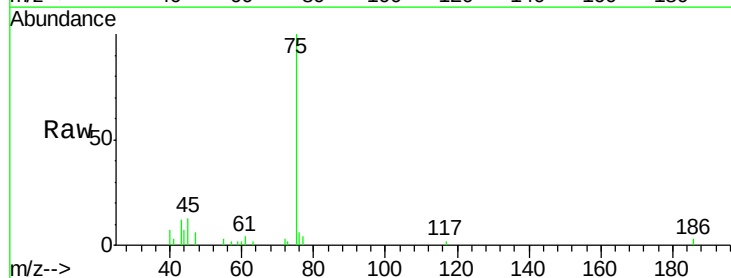
Instrument :
MSVOA_Y
ClientSampleId :
WP022SB456_200113_28-30

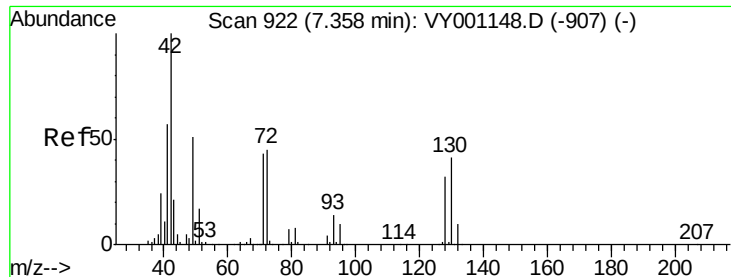
Tgt Ion: 43 Resp: 9218
Ion Ratio Lower Upper
43 100
74 24.2 20.2 30.2



#25
2-Butanone
Concen: 2.280 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY001239.D
Acq: 16 Jan 2020 00:05

Tgt Ion: 43 Resp: 1493
Ion Ratio Lower Upper
43 100
72 27.6 22.2 33.2





#29

Tetrahydrofuran

Concen: 1.045 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.02 min

Lab File: VY001239.D

Acq: 16 Jan 2020 00:05

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB456_200113_28-30

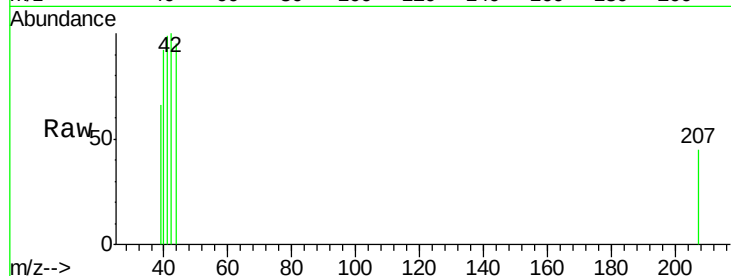
Tgt Ion: 42 Resp: 469

Ion Ratio Lower Upper

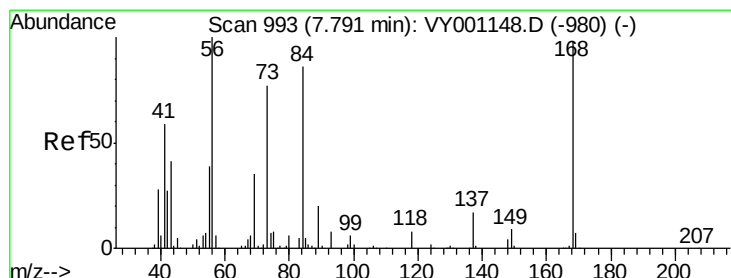
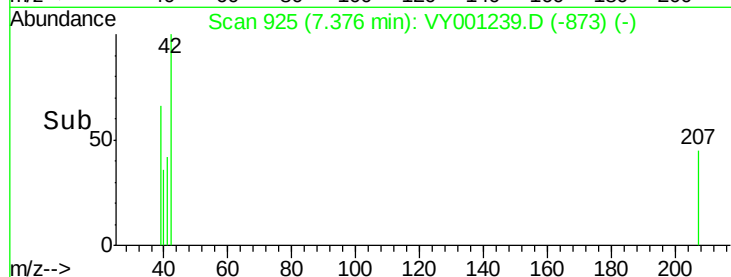
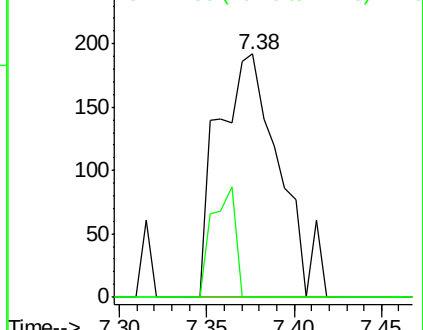
42 100

72 0.0 36.9 55.3#

71 17.3 34.0 51.0#



Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0



#31

Cyclohexane

Concen: 1.036 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY001239.D

Acq: 16 Jan 2020 00:05

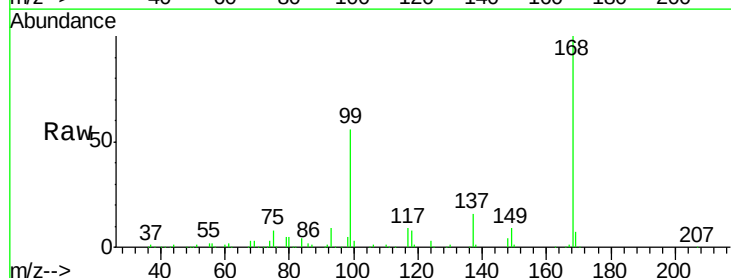
Tgt Ion: 56 Resp: 3630

Ion Ratio Lower Upper

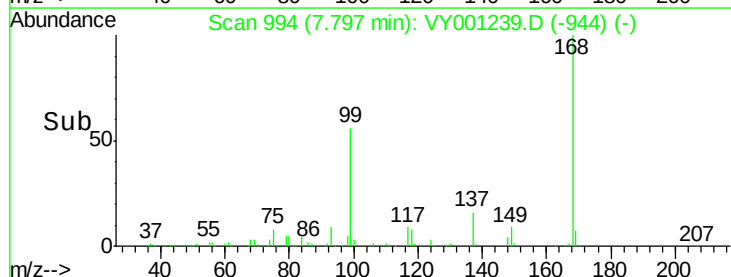
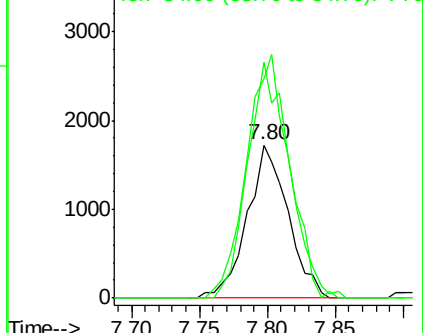
56 100

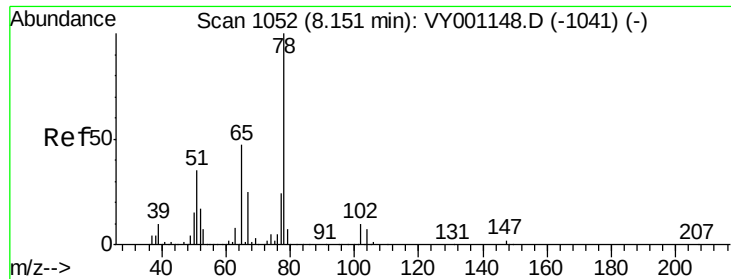
69 143.4 27.8 41.8#

84 154.3 68.9 103.3#



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

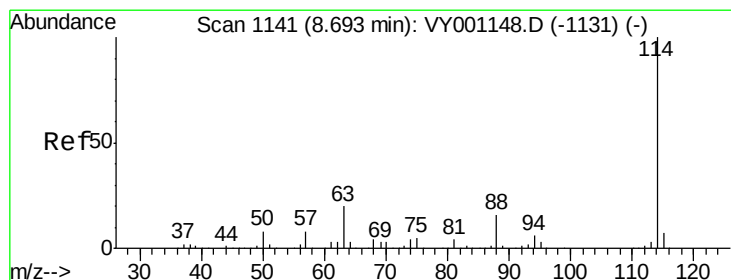
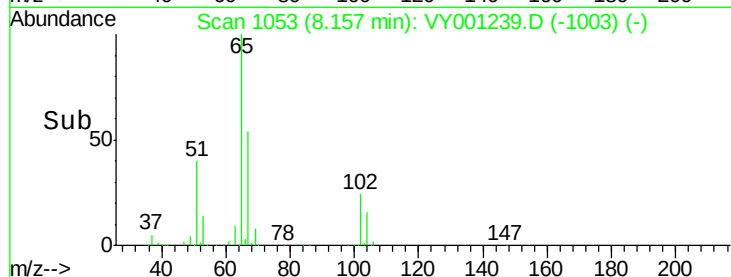
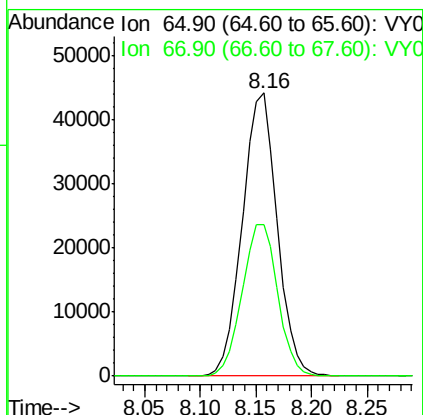
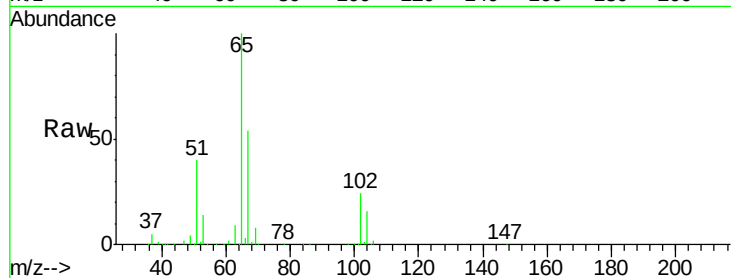




#33
 1,2-Dichloroethane-d4
 Concen: 53.022 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY001239.D
 Acq: 16 Jan 2020 00:05

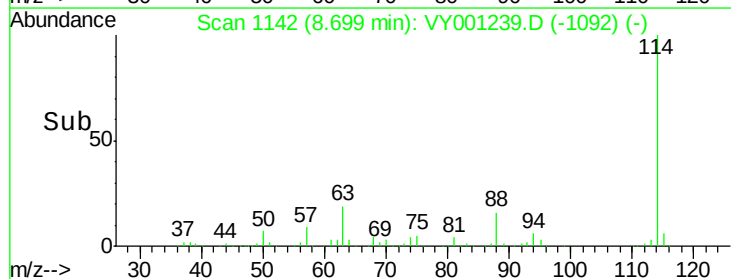
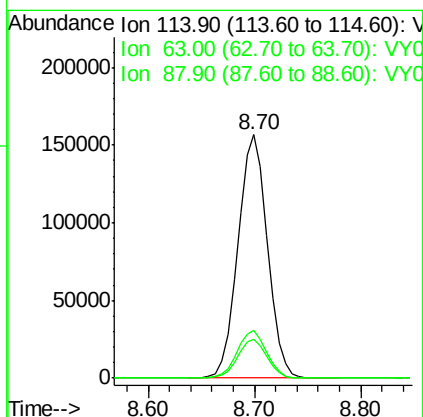
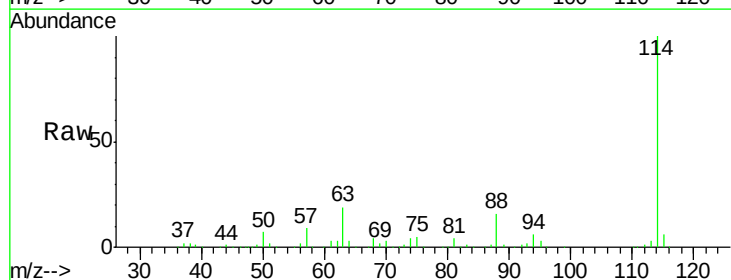
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 WP022SB456_200113_28-30

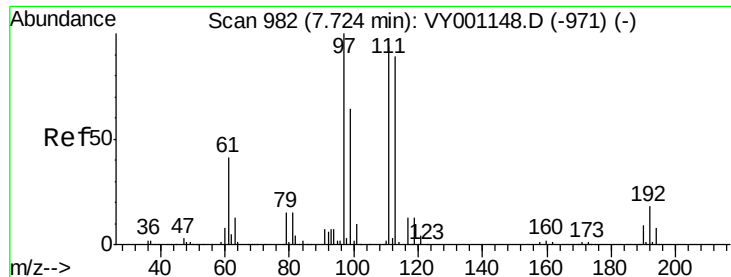
Tgt Ion: 65 Resp: 96069
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001239.D
 Acq: 16 Jan 2020 00:05

Tgt Ion: 114 Resp: 304083
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.8
 88 15.7 0.0 32.4

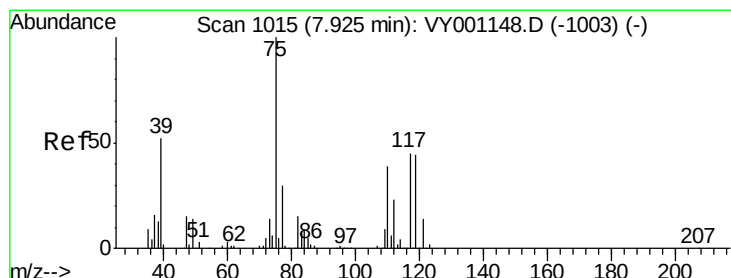
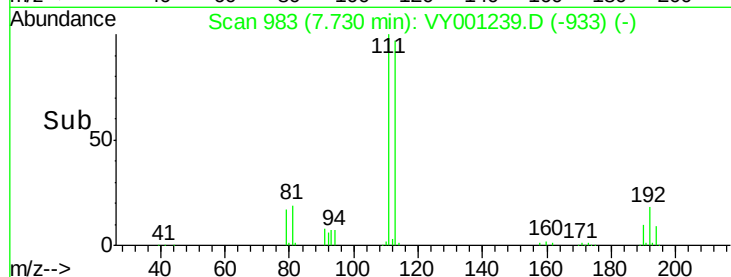
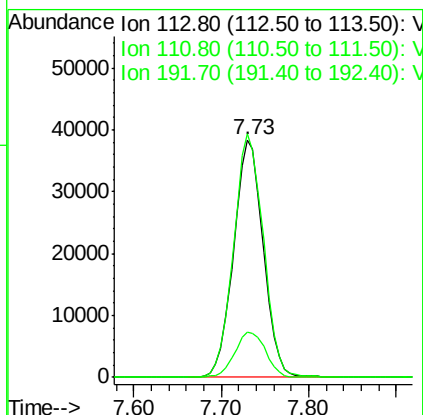
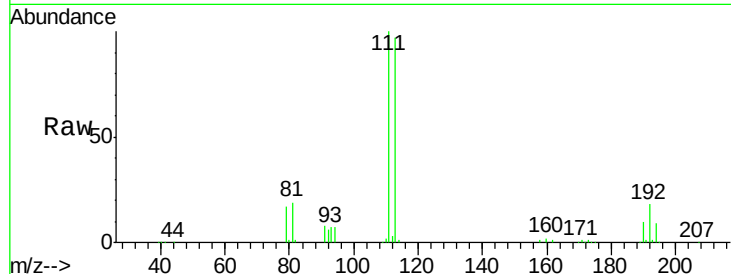




#35
 Dibromofluoromethane
 Concen: 50.577 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001239.D
 Acq: 16 Jan 2020 00:05

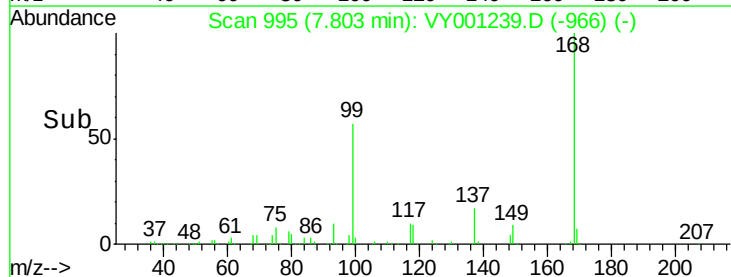
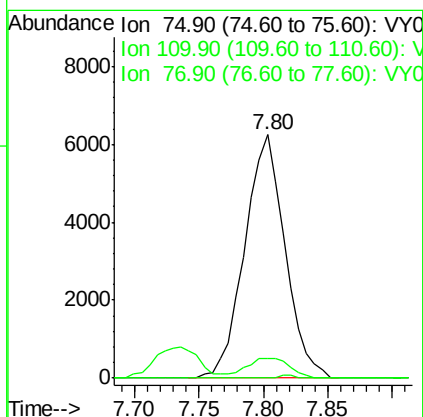
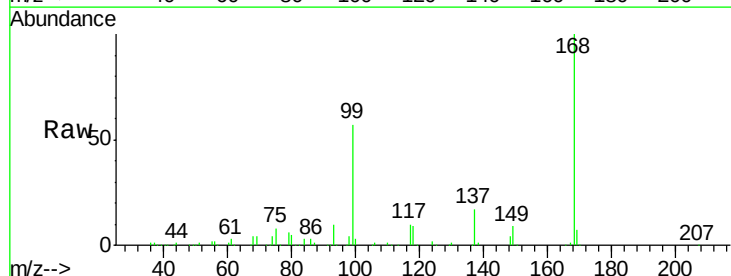
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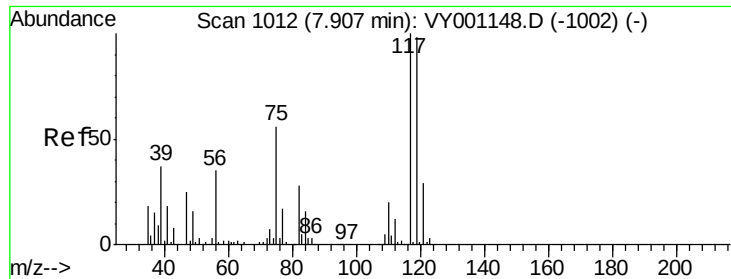
Tgt Ion:113 Resp: 90048
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.9 124.3
 192 19.8 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 4.862 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001239.D
 Acq: 16 Jan 2020 00:05

Tgt Ion: 75 Resp: 13475
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.3 54.8#
 77 0.3 25.1 37.7#

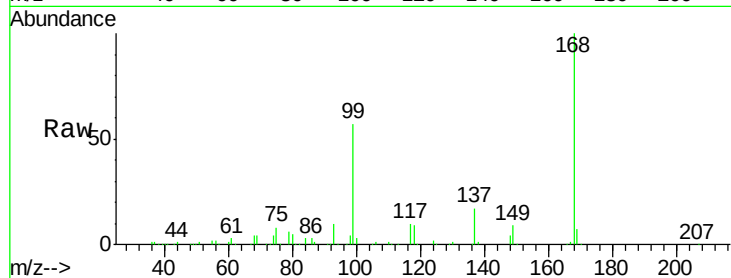




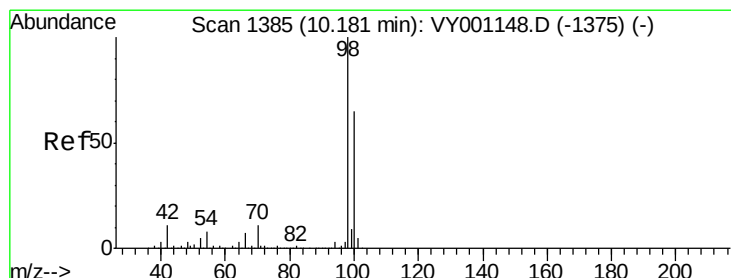
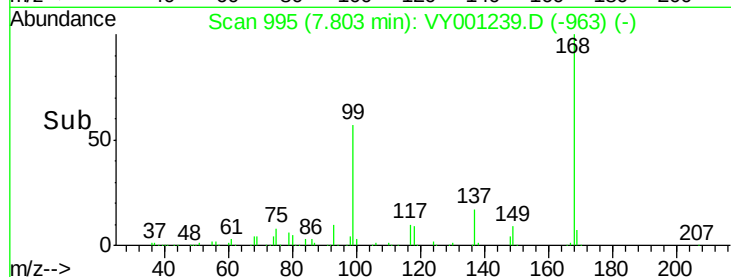
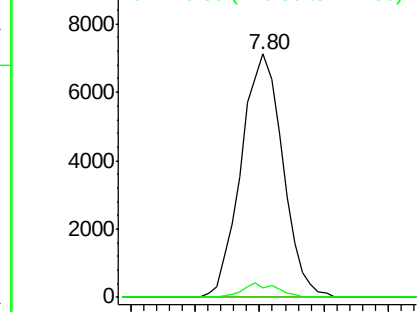
#38
Carbon Tetrachloride
Concen: 6.297 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.10 min
Lab File: VY001239.D
Acq: 16 Jan 2020 00:05

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB456_200113_28-30

Tgt Ion:117 Resp: 15993
Ion Ratio Lower Upper
117 100
119 3.9 78.3 117.5#
121 0.0 23.5 35.3#

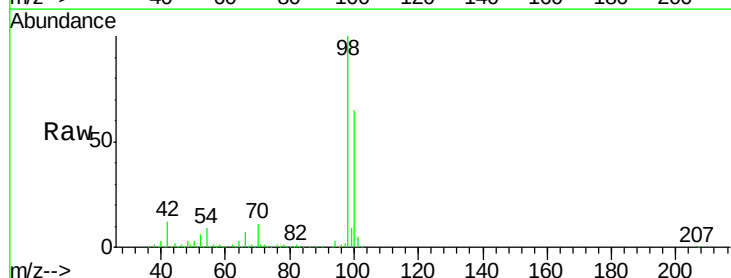


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

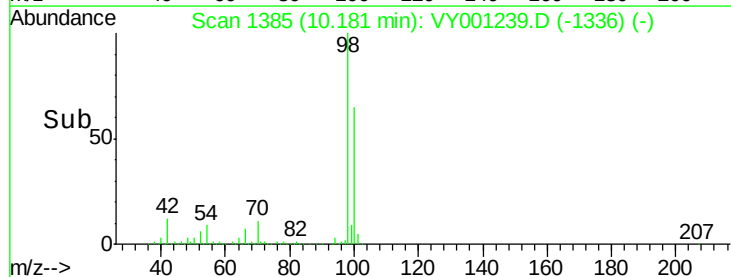
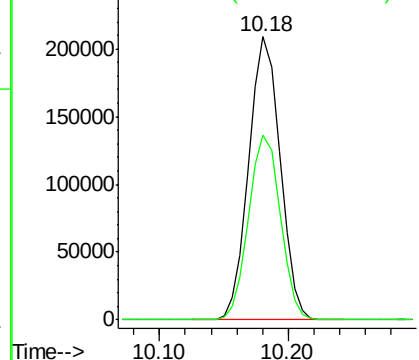


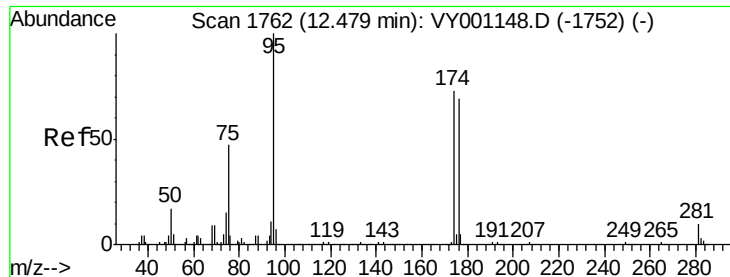
#50
Toluene-d8
Concen: 51.348 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY001239.D
Acq: 16 Jan 2020 00:05

Tgt Ion: 98 Resp: 352257
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7



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

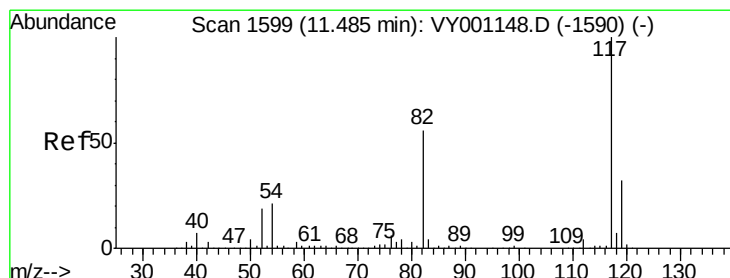
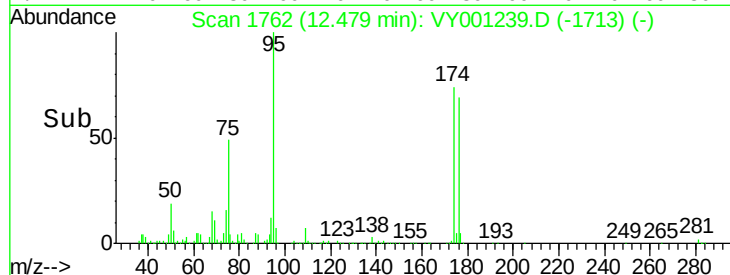
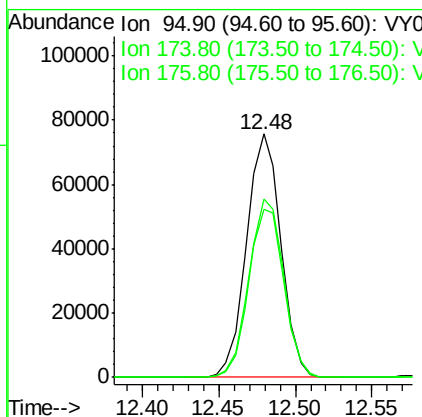
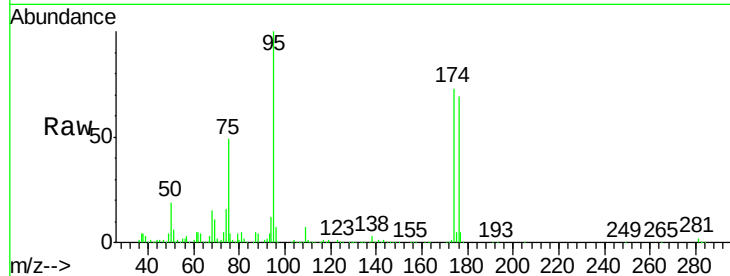




#62
4-Bromofluorobenzene
Concen: 42.134 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY001239.D
Acq: 16 Jan 2020 00:05

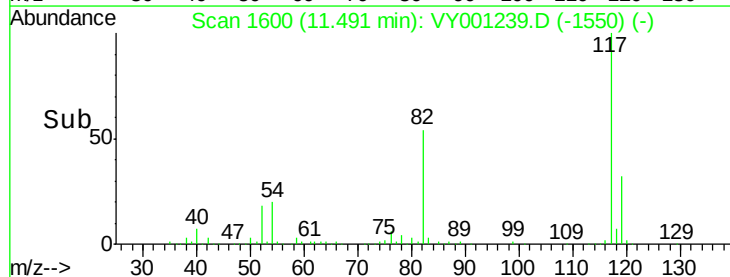
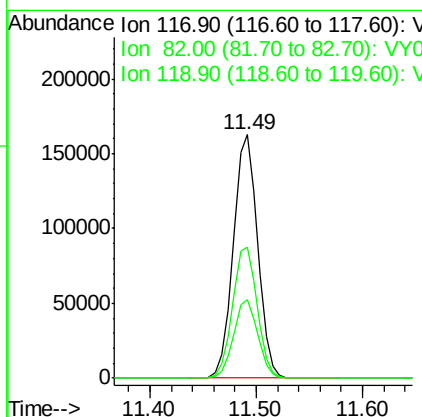
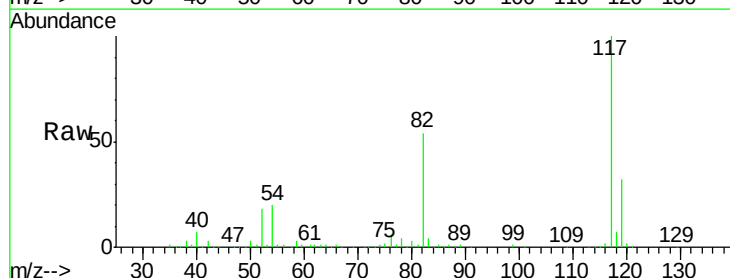
Instrument :
MSVOA_Y
ClientSampleId :
WP022SB456_200113_28-30

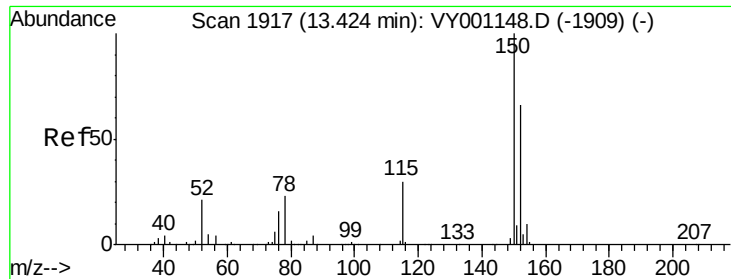
Tgt Ion: 95 Resp: 118170
Ion Ratio Lower Upper
95 100
174 74.5 0.0 143.2
176 71.0 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001239.D
Acq: 16 Jan 2020 00:05

Tgt Ion: 117 Resp: 260477
Ion Ratio Lower Upper
117 100
82 53.6 44.9 67.3
119 32.3 25.7 38.5

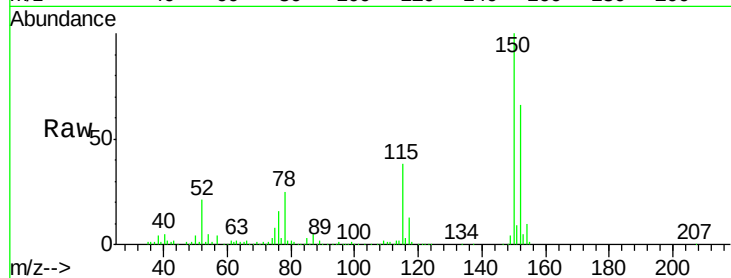




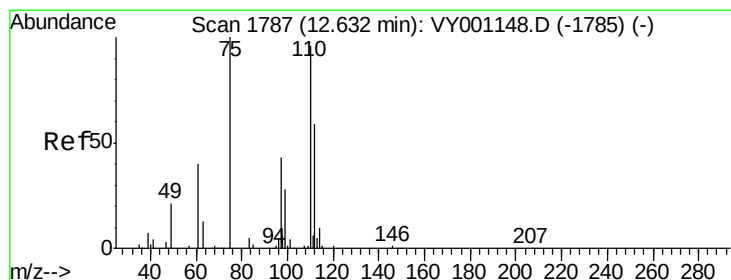
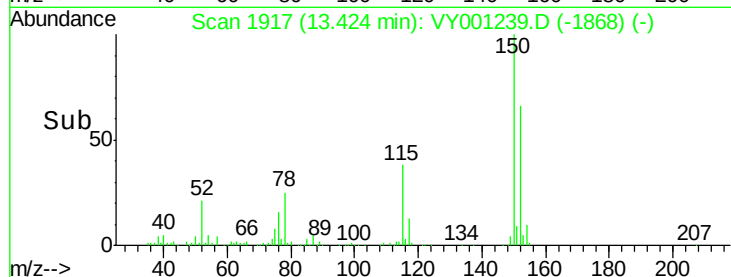
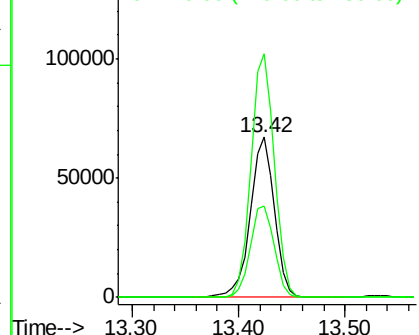
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.42 min Scan# 1917
 Delta R.T. -0.00 min
 Lab File: VY001239.D
 Acq: 16 Jan 2020 00:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB456_200113_28-30

Tgt Ion:152 Resp: 107347
 Ion Ratio Lower Upper
 152 100
 115 56.2 30.9 92.5
 150 146.0 0.0 346.8

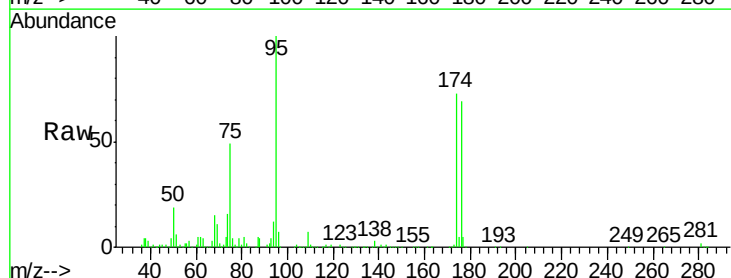


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

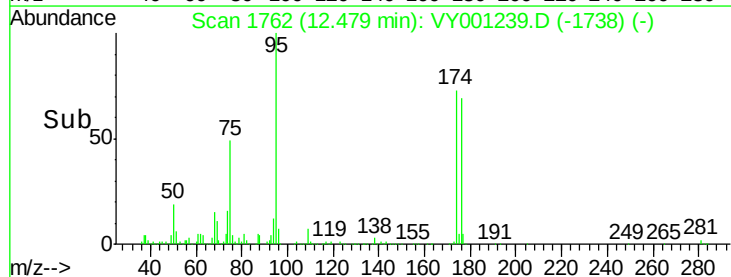
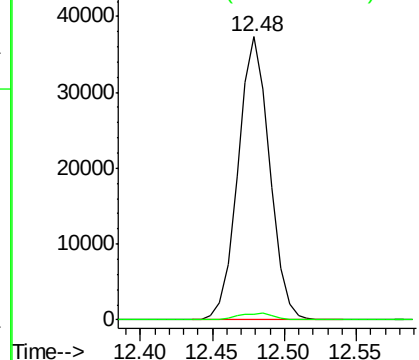


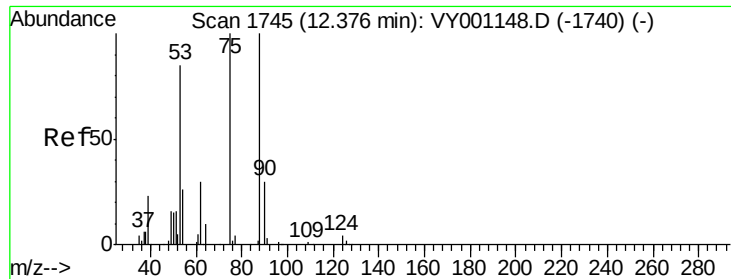
#76
 1,2,3-Trichloropropane
 Concen: 49.420 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY001239.D
 Acq: 16 Jan 2020 00:05

Tgt Ion: 75 Resp: 56792
 Ion Ratio Lower Upper
 75 100
 77 2.8 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: 83.806 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001239.D

Acq: 16 Jan 2020 00:05

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB456_200113_28-30

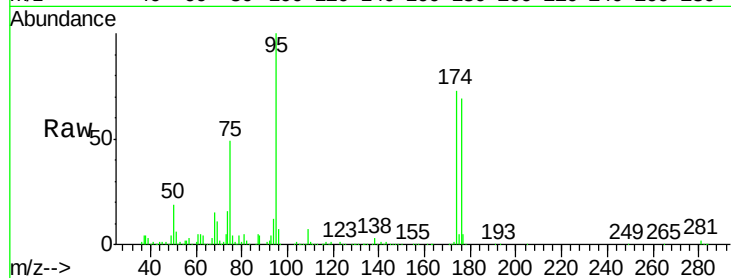
Tgt Ion: 75 Resp: 56792

Ion Ratio Lower Upper

75 100

53 2.1 69.4 104.2#

89 0.1 0.0 0.0#



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

