

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011520\
 Data File : VY001244.D
 Acq On : 16 Jan 2020 01:56
 Operator : SY/MD
 Sample : L1136-08
 Misc : 7.64G/5ML/MSVOA_Y/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB457_200113_36-38

Quant Time: Jan 16 04:56:52 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	174209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	311205	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	283981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	134832	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	104626	56.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.72%	
35) Dibromofluoromethane	7.73	113	91280	50.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.20%	
50) Toluene-d8	10.18	98	365064	52.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.00%	
62) 4-Bromofluorobenzene	12.48	95	137421	47.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.76%	

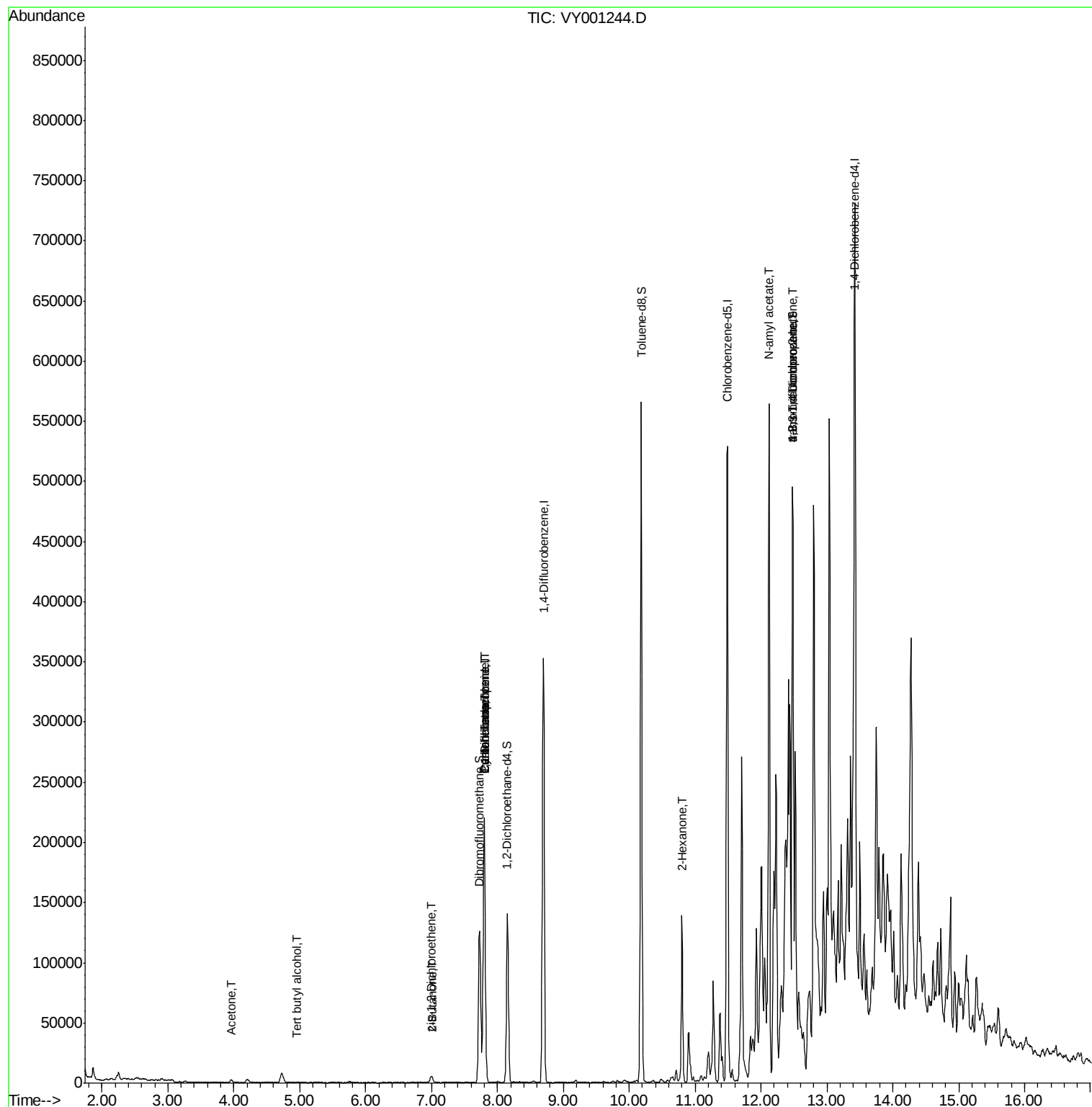
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	225	1.215	ug/l #	73
16) Acetone	3.96	43	3569	8.352	ug/l	98
20) Methylene Chloride	4.74	84	5977	Below Cal		92
25) 2-Butanone	7.02	43	1480	2.225	ug/l #	47
27) cis-1,2-Dichloroethene	6.99	96	2646	1.196	ug/l	85
31) Cyclohexane	7.80	56	3946	1.109	ug/l #	10
36) 1,1-Dichloropropene	7.80	75	12978	4.575	ug/l #	48
38) Carbon Tetrachloride	7.80	117	16512	6.352	ug/l #	15
59) 2-Hexanone	10.80	43	50741	44.826	ug/l #	27
74) N-amyl acetate	12.12	43	116922	36.961	ug/l #	64
76) 1,2,3-Trichloropropane	12.48	75	66608	46.147	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	66608	78.255	ug/l #	8

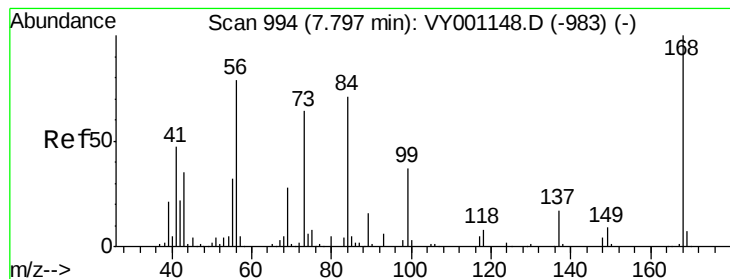
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001244.D

Acq: 16 Jan 2020 01:56

Instrument :

MSVOA_Y

ClientSampleId :

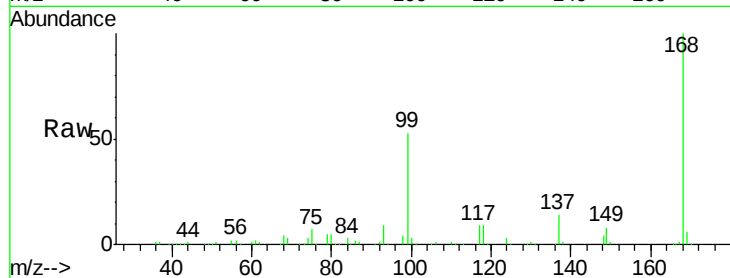
WP022SB457_200113_36-38

Tgt Ion:168 Resp: 174209

Ion Ratio Lower Upper

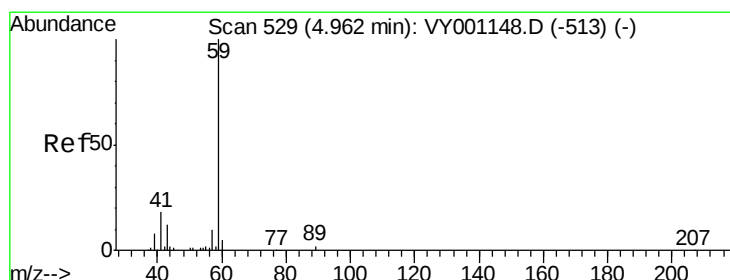
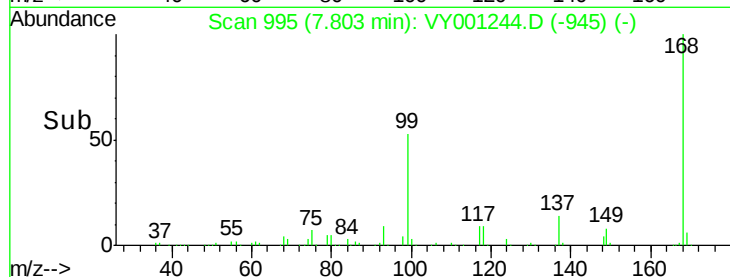
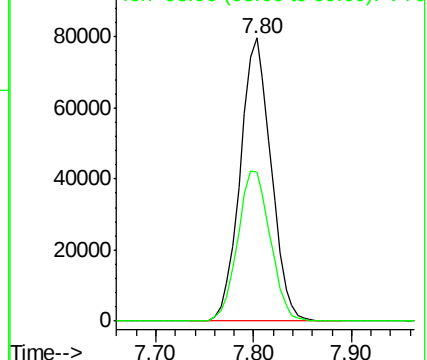
168 100

99 52.7 47.9 71.9



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

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)



#11

Tert butyl alcohol

Concen: 1.215 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY001244.D

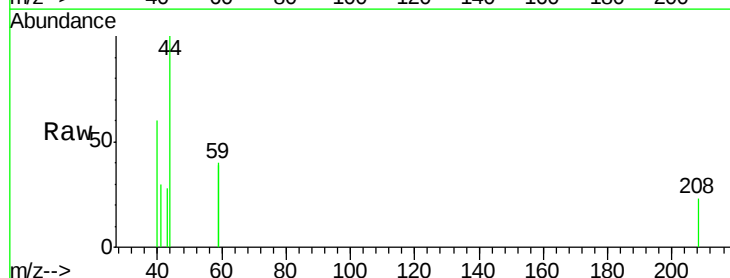
Acq: 16 Jan 2020 01:56

Tgt Ion: 59 Resp: 225

Ion Ratio Lower Upper

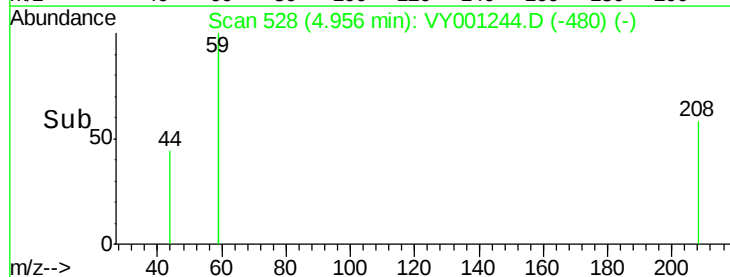
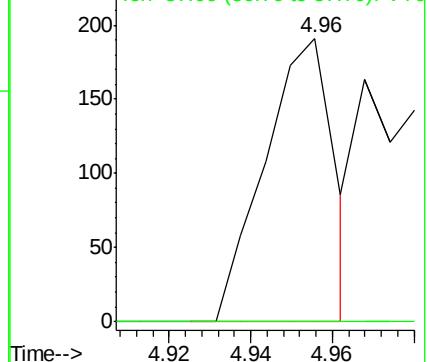
59 100

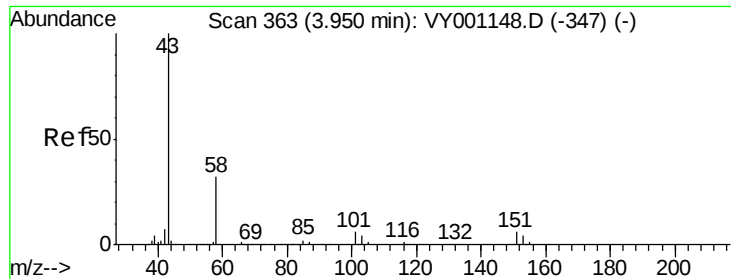
57 0.0 7.8 11.8#



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

Ion 57.00 (56.70 to 57.70): VY001148.D (-513) (-)





#16

Acetone

Concen: 8.352 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001244.D

Acq: 16 Jan 2020 01:56

Instrument :

MSVOA_Y

ClientSampleId :

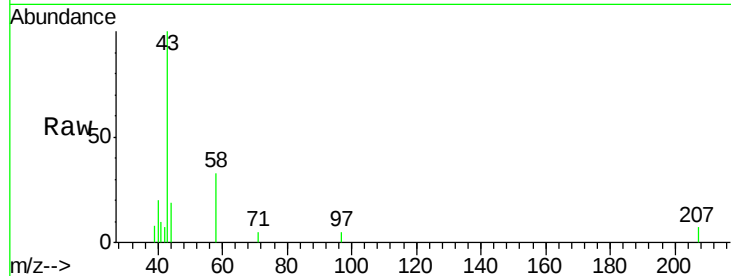
WP022SB457_200113_36-38

Tgt Ion: 43 Resp: 3569

Ion Ratio Lower Upper

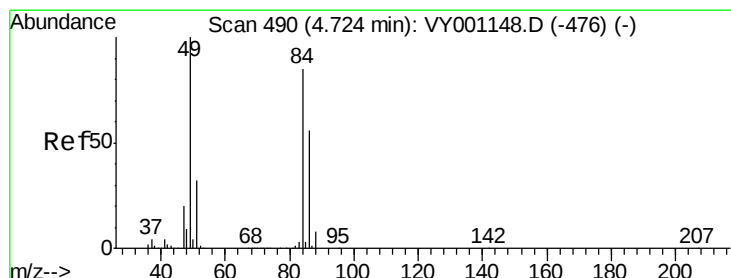
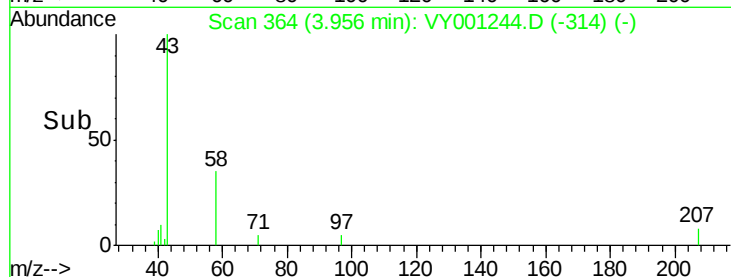
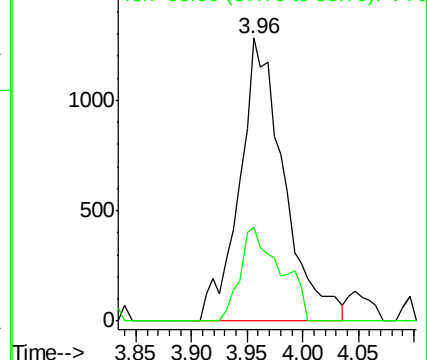
43 100

58 33.4 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY001148.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001148.D (-347) (-)



#20

Methylene Chloride

Concen: Below Cal

RT: 4.74 min Scan# 492

Delta R.T. 0.01 min

Lab File: VY001244.D

Acq: 16 Jan 2020 01:56

Tgt Ion: 84 Resp: 5977

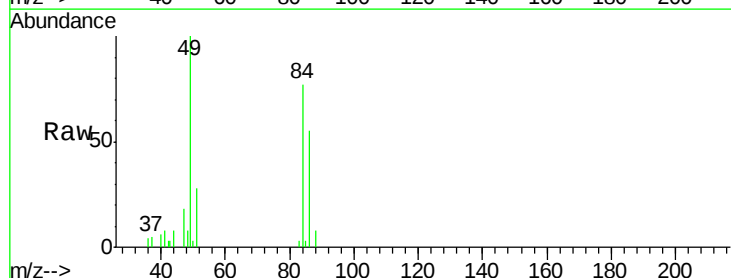
Ion Ratio Lower Upper

84 100

49 129.7 93.8 140.6

51 37.0 29.9 44.9

86 70.8 52.6 78.8

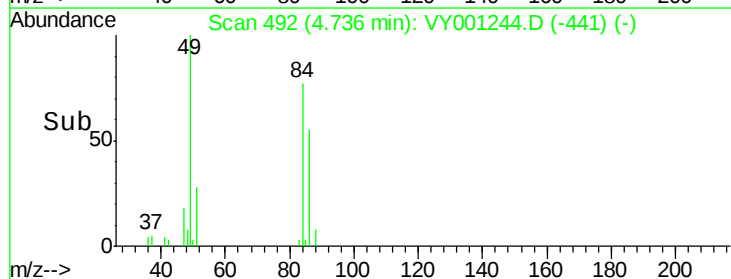
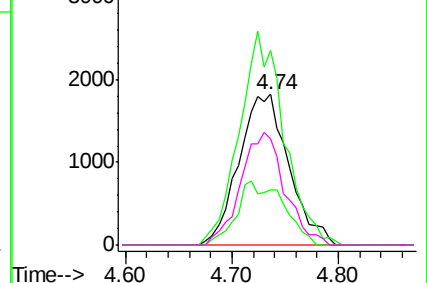


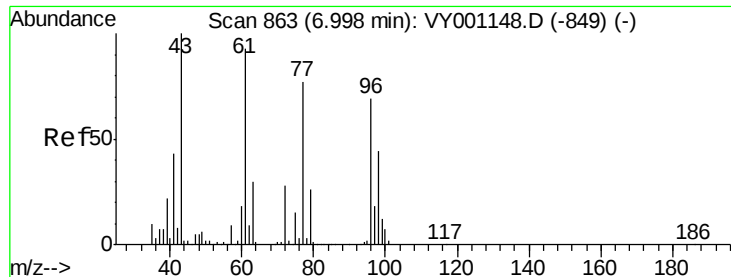
Abundance Ion 83.90 (83.60 to 84.60): VY001148.D (-476) (-)

Ion 48.90 (48.60 to 49.60): VY001148.D (-476) (-)

Ion 50.90 (50.60 to 51.60): VY001148.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY001148.D (-476) (-)





#25

2-Butanone

Concen: 2.225 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.02 min

Lab File: VY001244.D

Acq: 16 Jan 2020 01:56

Instrument :

MSVOA_Y

ClientSampleId :

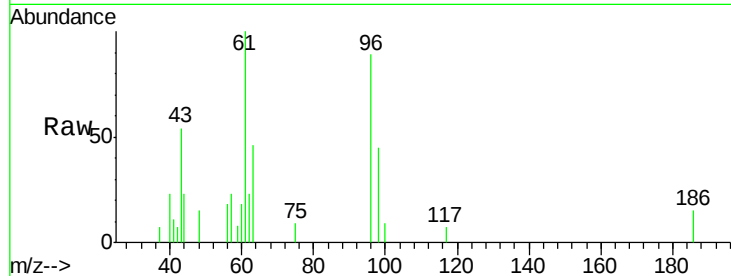
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Tgt Ion: 43 Resp: 1480

Ion Ratio Lower Upper

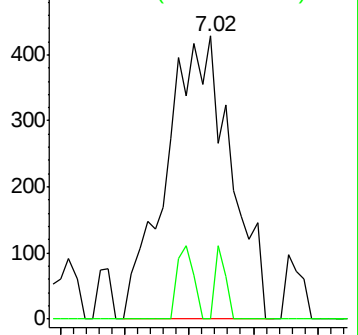
43 100

72 0.0 22.2 33.2#

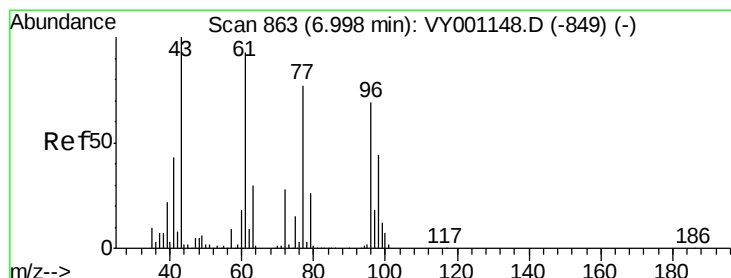
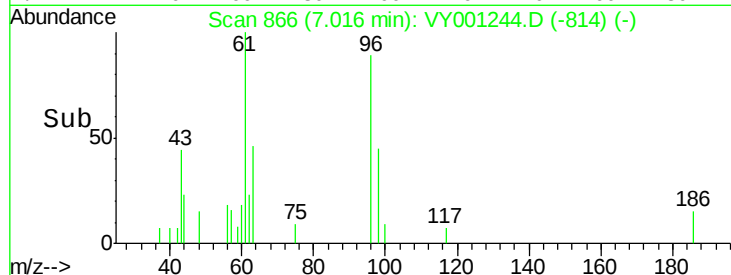


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



Time--> 6.90 6.95 7.00 7.05 7.10



#27

cis-1,2-Dichloroethene

Concen: 1.196 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY001244.D

Acq: 16 Jan 2020 01:56

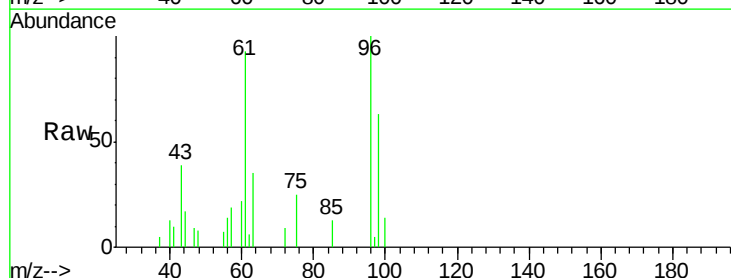
Tgt Ion: 96 Resp: 2646

Ion Ratio Lower Upper

96 100

61 120.3 0.0 284.0

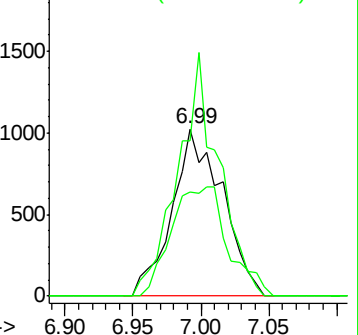
98 72.0 0.0 130.2



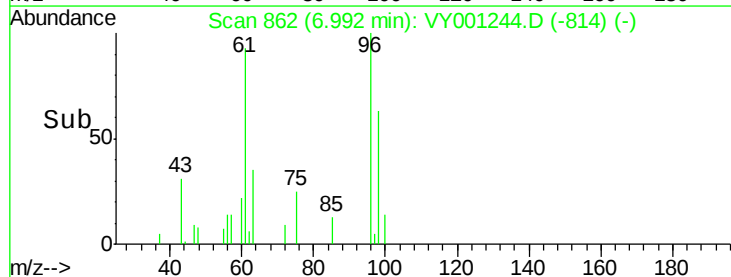
Abundance Ion 95.90 (95.60 to 96.60): VY0

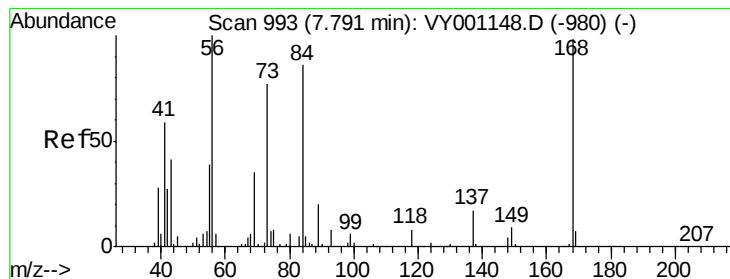
Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



Time--> 6.90 6.95 7.00 7.05





#31

Cyclohexane

Concen: 1.109 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001244.D

Acq: 16 Jan 2020 01:56

Instrument :

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ClientSampleId :

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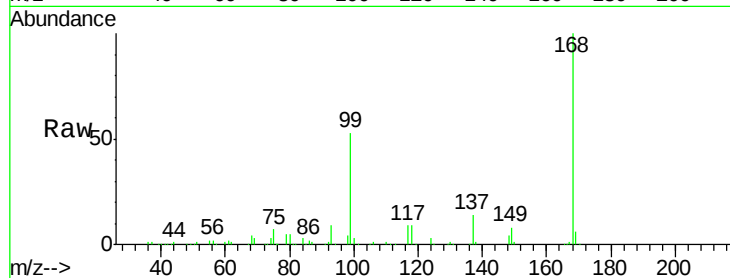
Tgt Ion: 56 Resp: 3946

Ion Ratio Lower Upper

56 100

69 142.3 27.8 41.8#

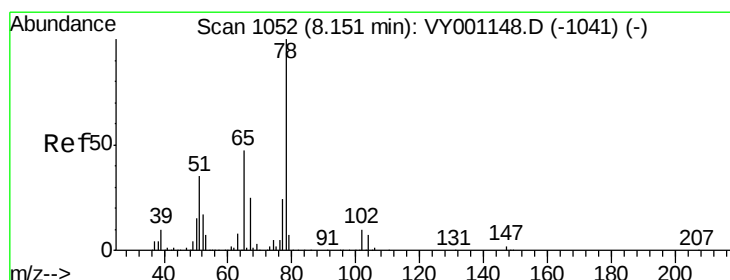
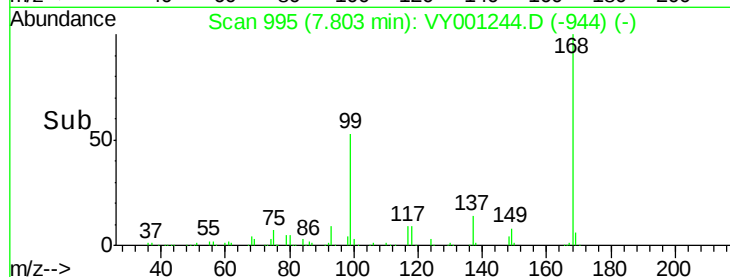
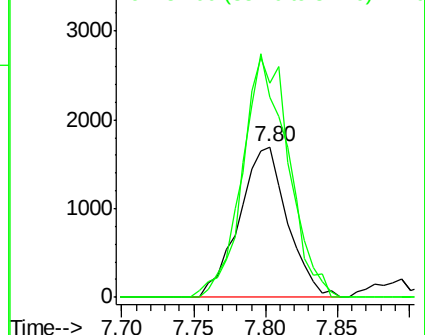
84 133.0 68.9 103.3#



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: 56.863 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001244.D

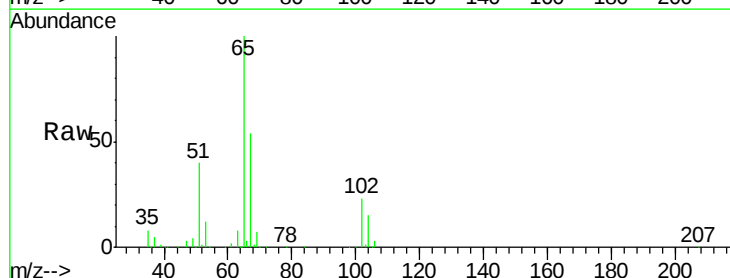
Acq: 16 Jan 2020 01:56

Tgt Ion: 65 Resp: 104626

Ion Ratio Lower Upper

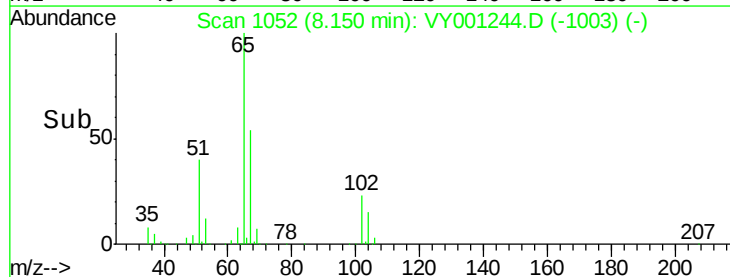
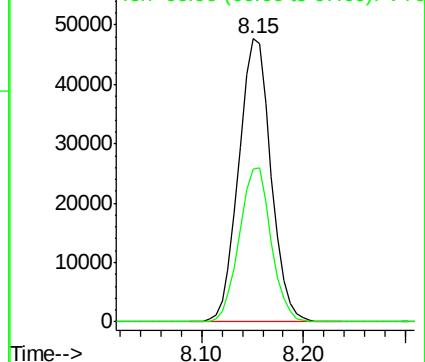
65 100

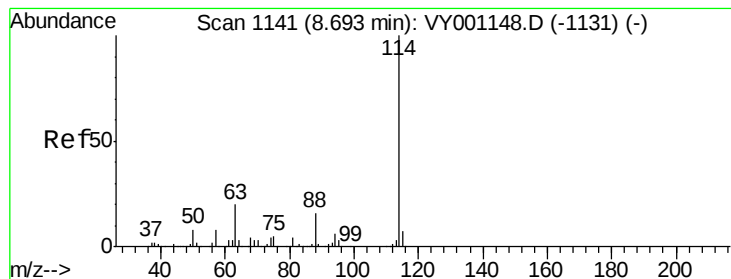
67 53.7 0.0 105.2



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. 0.01 min

Lab File: VY001244.D

Acq: 16 Jan 2020 01:56

Instrument :

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ClientSampleId :

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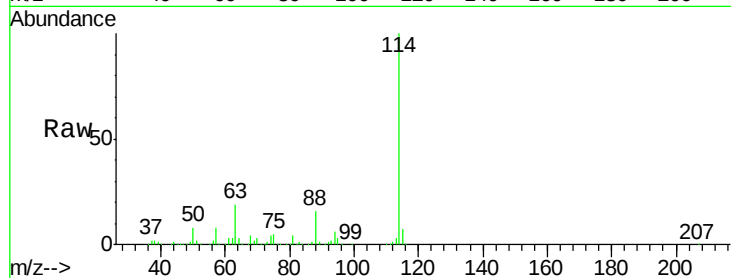
Tgt Ion:114 Resp: 311205

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.8

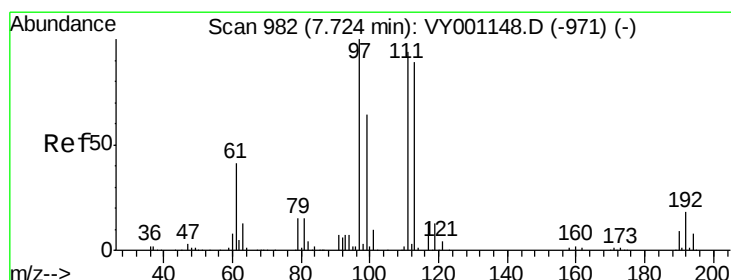
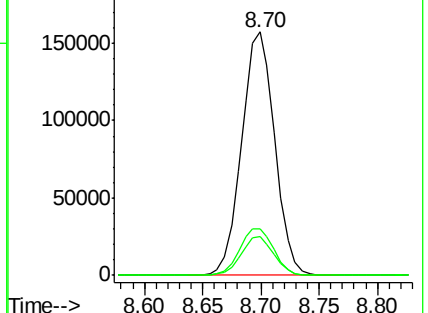
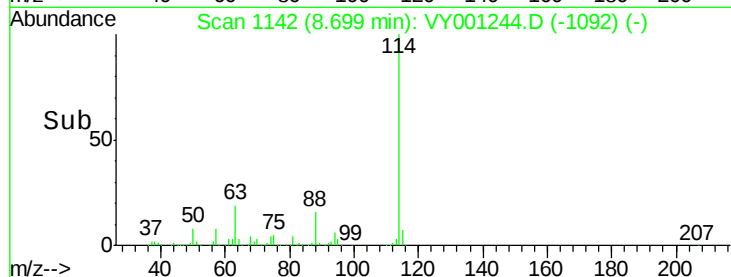
88 15.8 0.0 32.4



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: 50.096 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001244.D

Acq: 16 Jan 2020 01:56

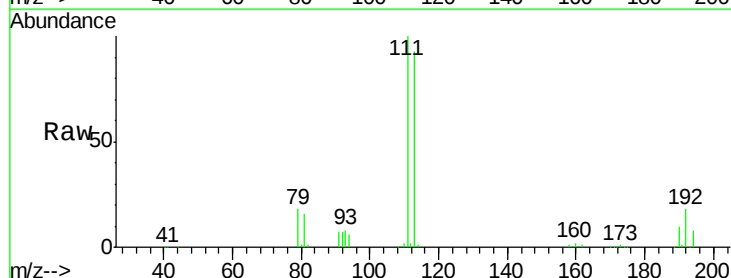
Tgt Ion:113 Resp: 91280

Ion Ratio Lower Upper

113 100

111 106.3 82.9 124.3

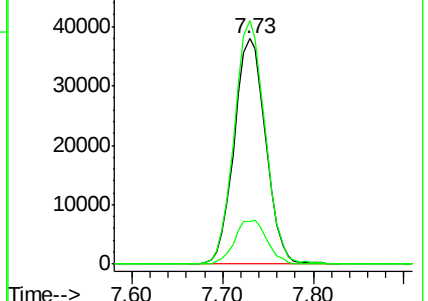
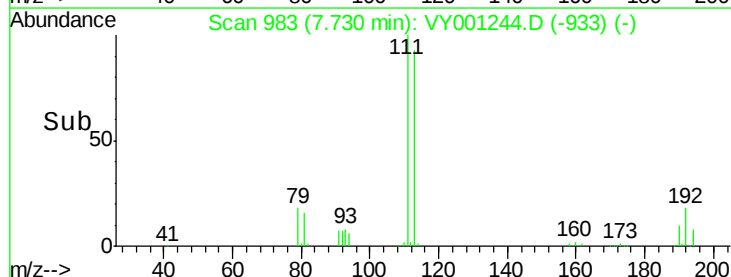
192 20.0 15.4 23.2

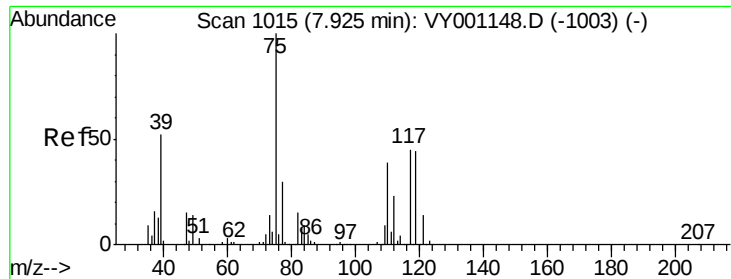


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

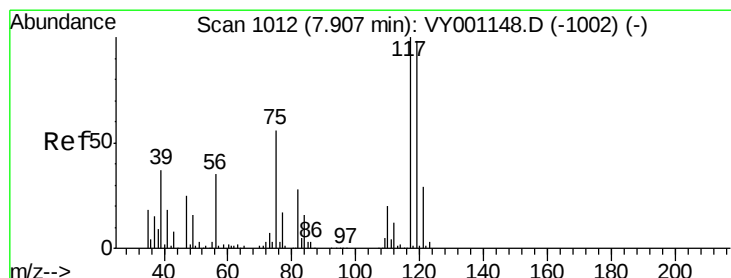
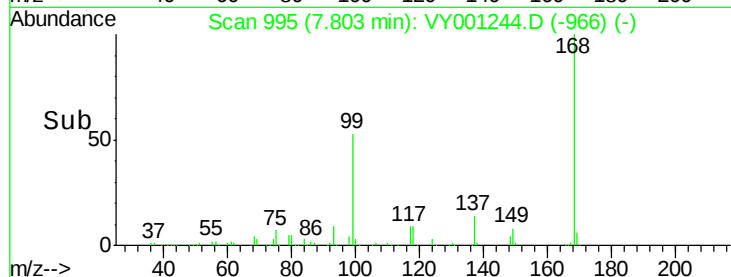
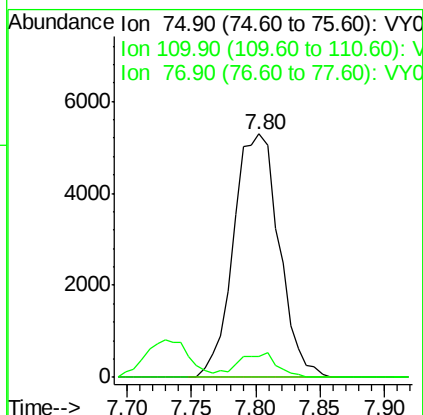
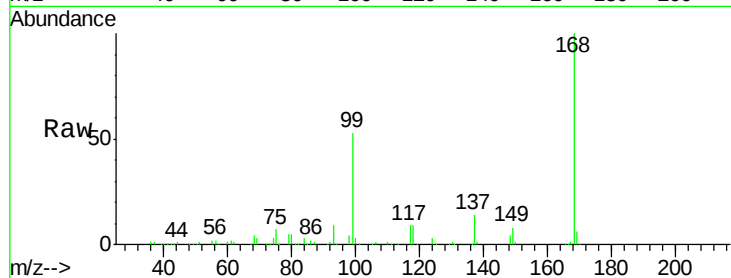




#36
 1,1-Dichloropropene
 Concen: 4.575 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001244.D
 Acq: 16 Jan 2020 01:56

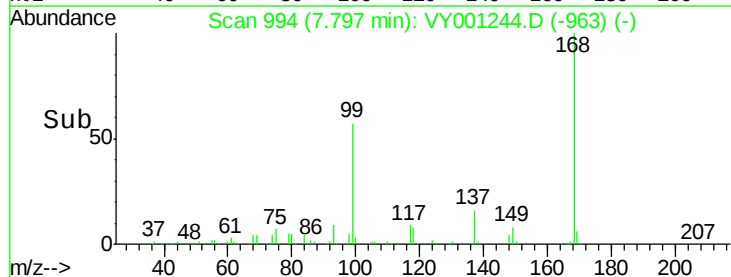
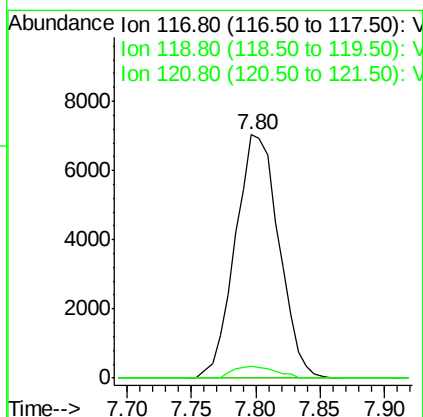
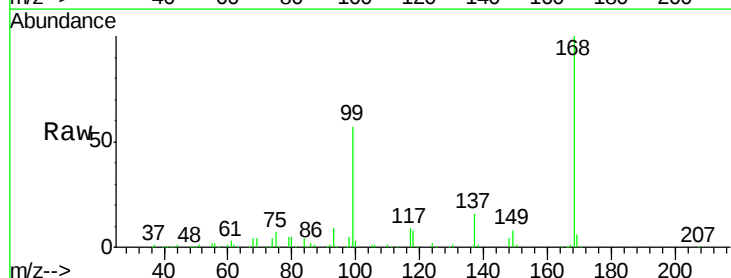
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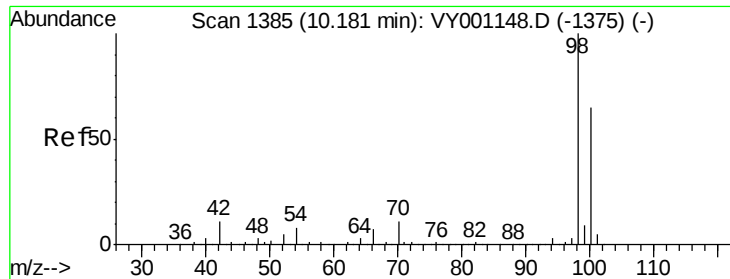
Tgt Ion: 75 Resp: 12978
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.3 54.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.352 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY001244.D
 Acq: 16 Jan 2020 01:56

Tgt Ion: 117 Resp: 16512
 Ion Ratio Lower Upper
 117 100
 119 5.1 78.3 117.5#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 51.997 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001244.D

Acq: 16 Jan 2020 01:56

Instrument :

MSVOA_Y

ClientSampleId :

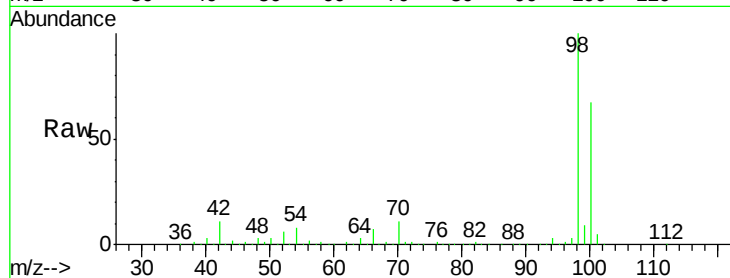
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Tgt Ion: 98 Resp: 365064

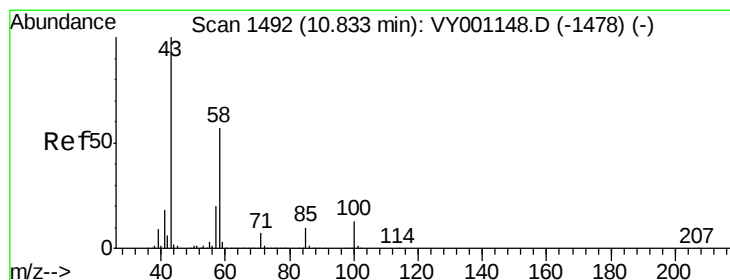
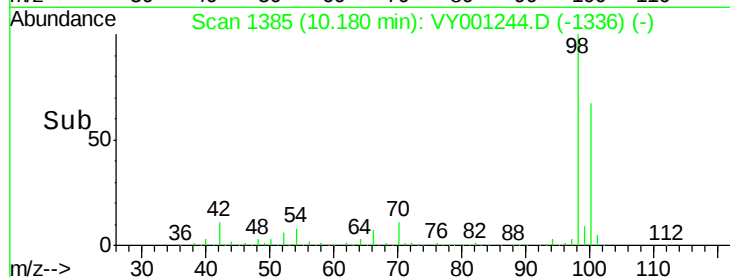
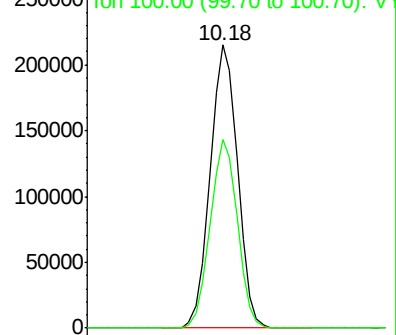
Ion Ratio Lower Upper

98 100

100 66.2 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY001148.D (-1375) (-)



#59

2-Hexanone

Concen: 44.826 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.03 min

Lab File: VY001244.D

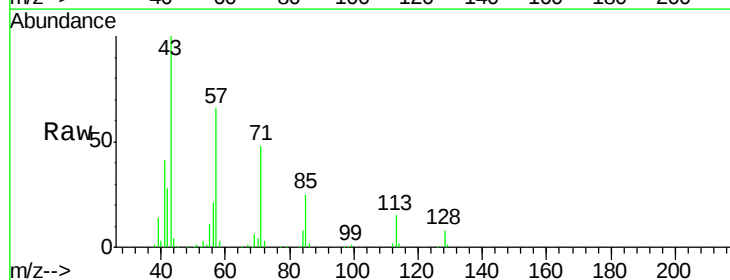
Acq: 16 Jan 2020 01:56

Tgt Ion: 43 Resp: 50741

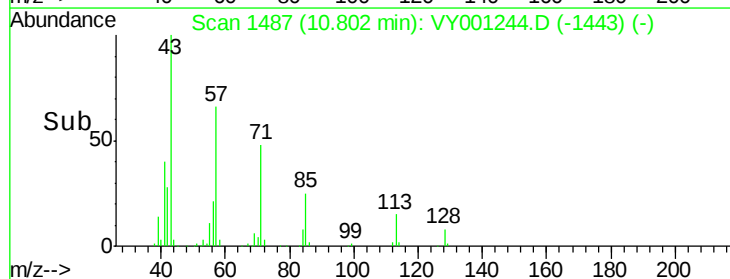
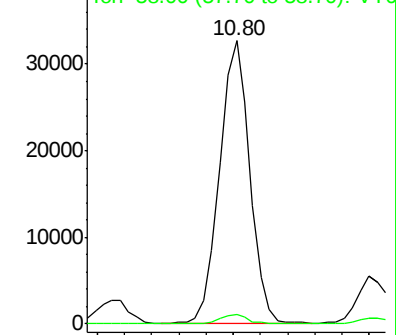
Ion Ratio Lower Upper

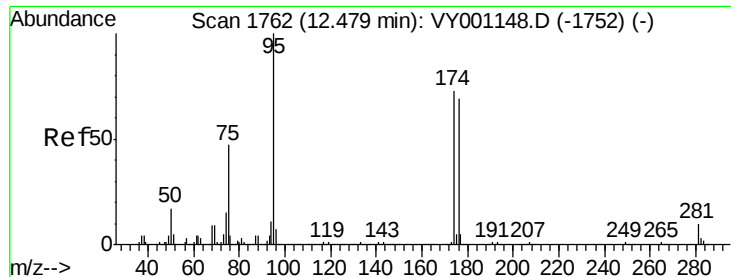
43 100

58 3.2 28.4 85.2#



Abundance Ion 43.00 (42.70 to 43.70): VY001148.D (-1478) (-)





#62

4-Bromofluorobenzene

Concen: 47.876 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY001244.D

Acq: 16 Jan 2020 01:56

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_36-38

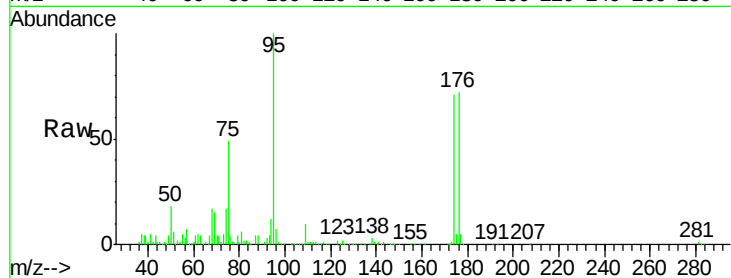
Tgt Ion: 95 Resp: 137421

Ion Ratio Lower Upper

95 100

174 74.1 0.0 143.2

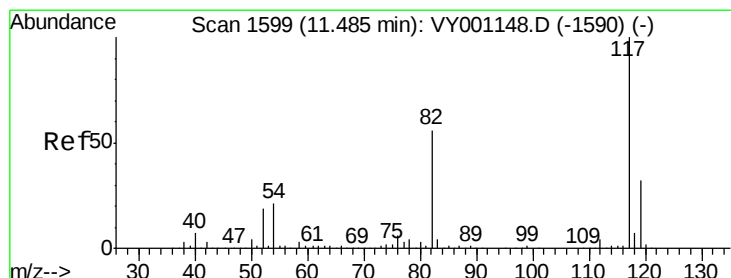
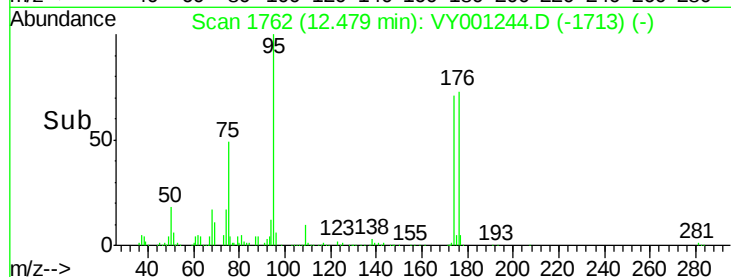
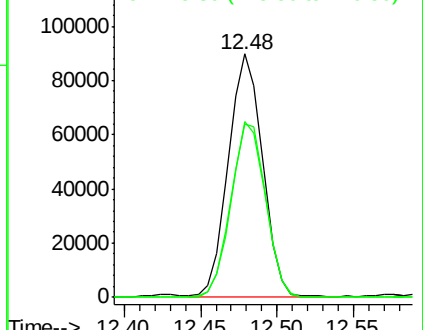
176 73.2 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VY001148.D (-1752) (-)

Ion 173.80 (173.50 to 174.50): VY001148.D (-1752) (-)

Ion 175.80 (175.50 to 176.50): VY001148.D (-1752) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VY001244.D

Acq: 16 Jan 2020 01:56

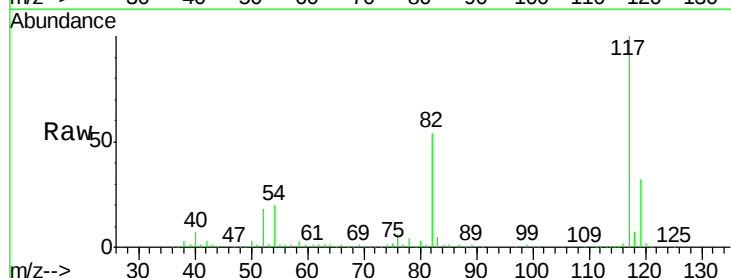
Tgt Ion: 117 Resp: 283981

Ion Ratio Lower Upper

117 100

82 54.2 44.9 67.3

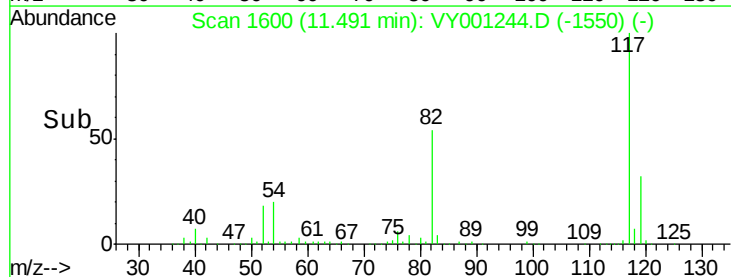
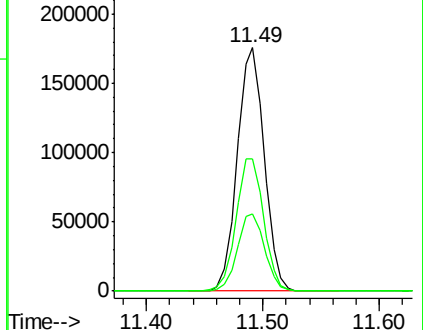
119 32.0 25.7 38.5

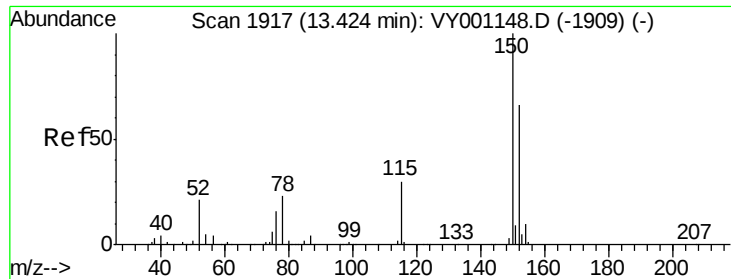


Abundance Ion 116.90 (116.60 to 117.60): VY001148.D (-1590) (-)

Ion 82.00 (81.70 to 82.70): VY001148.D (-1590) (-)

Ion 118.90 (118.60 to 119.60): VY001148.D (-1590) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY001244.D

Acq: 16 Jan 2020 01:56

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_36-38

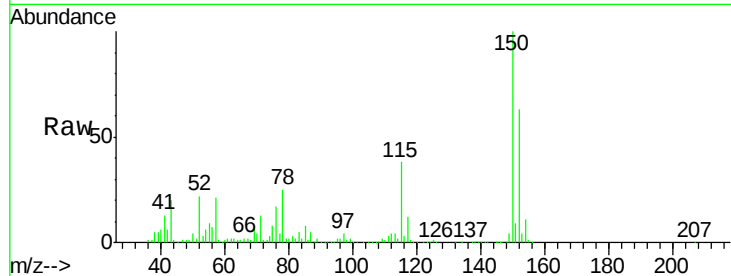
Tgt Ion:152 Resp: 134832

Ion Ratio Lower Upper

152 100

115 58.2 30.9 92.5

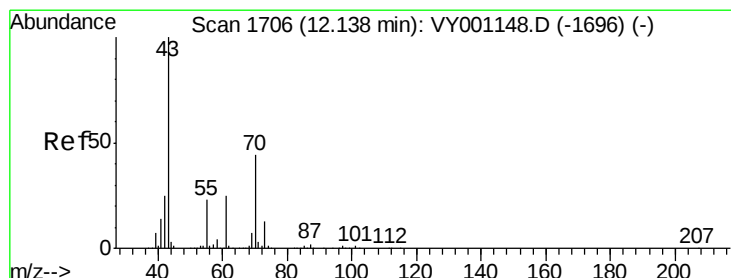
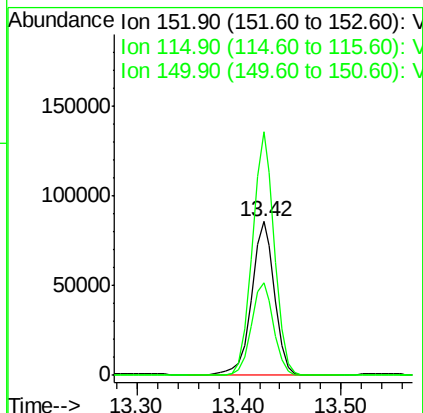
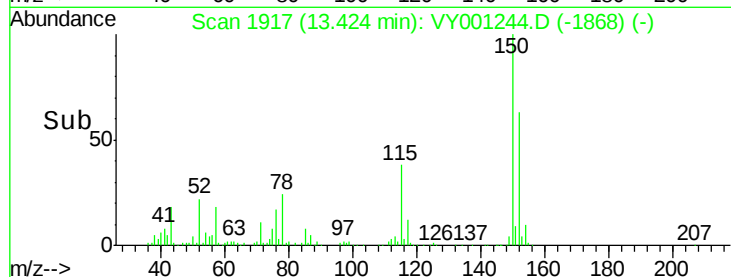
150 150.9 0.0 346.8



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



#74

N-ethyl acetate

Concen: 36.961 ug/l

RT: 12.12 min Scan# 1703

Delta R.T. -0.02 min

Lab File: VY001244.D

Acq: 16 Jan 2020 01:56

Tgt Ion: 43 Resp: 116922

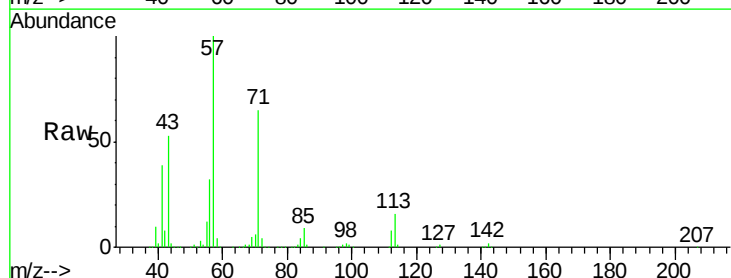
Ion Ratio Lower Upper

43 100

70 15.5 35.0 52.6#

55 26.3 18.4 27.6

61 0.0 20.1 30.1#

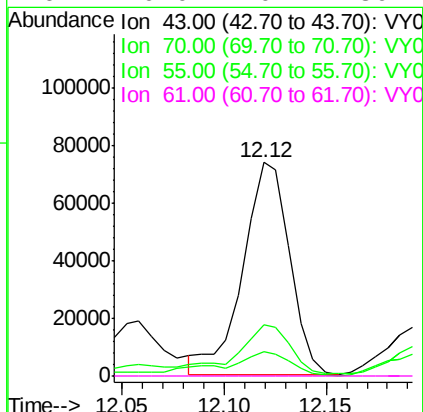
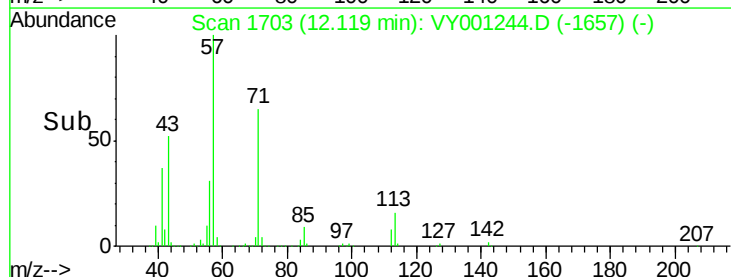


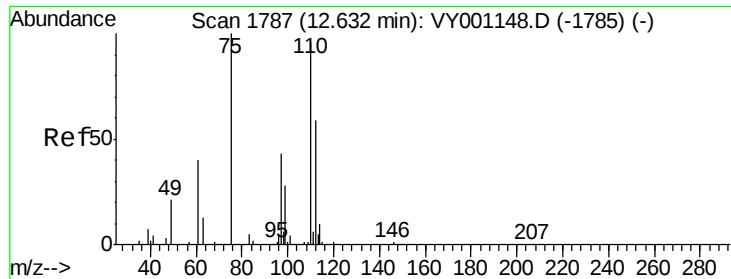
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

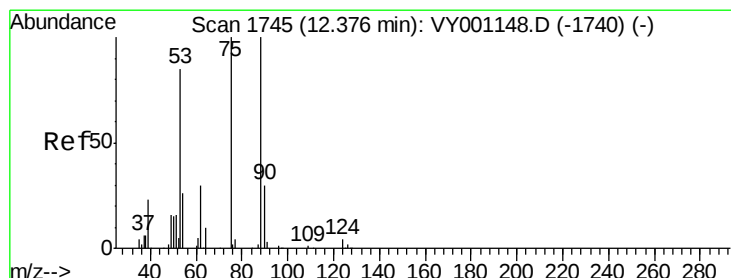
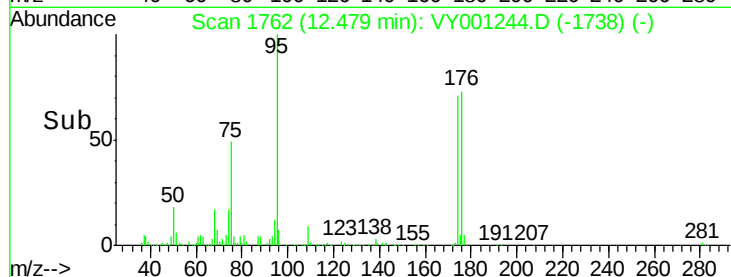
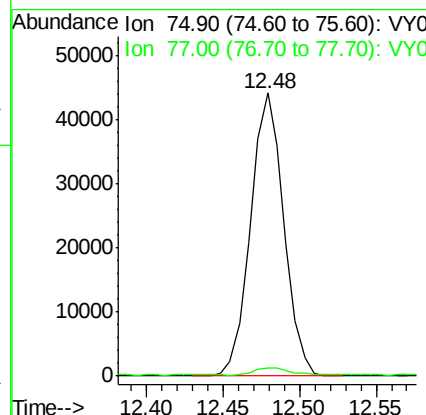
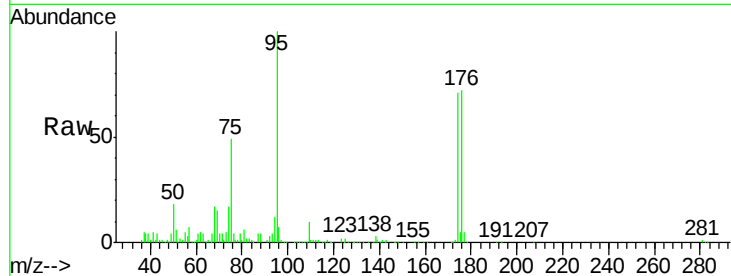




#76
 1,2,3-Trichloropropane
 Concen: 46.147 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY001244.D
 Acq: 16 Jan 2020 01:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB457_200113_36-38

Tgt Ion: 75 Resp: 66608
 Ion Ratio Lower Upper
 75 100
 77 2.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.255 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY001244.D
 Acq: 16 Jan 2020 01:56

Tgt Ion: 75 Resp: 66608
 Ion Ratio Lower Upper
 75 100
 53 2.3 69.4 104.2#
 89 0.0 0.0 0.0

