

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY013120\
 Data File : VY001456.D
 Acq On : 31 Jan 2020 15:31
 Operator : SY/MD
 Sample : L1343-01
 Misc : 8.7G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NW-SP

Quant Time: Jan 31 16:08:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	154554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	284746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	257959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	115450	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	91439	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
35) Dibromofluoromethane	7.75	113	84332	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
50) Toluene-d8	10.20	98	339715	52.32	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.64%	
62) 4-Bromofluorobenzene	12.49	95	121863	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	

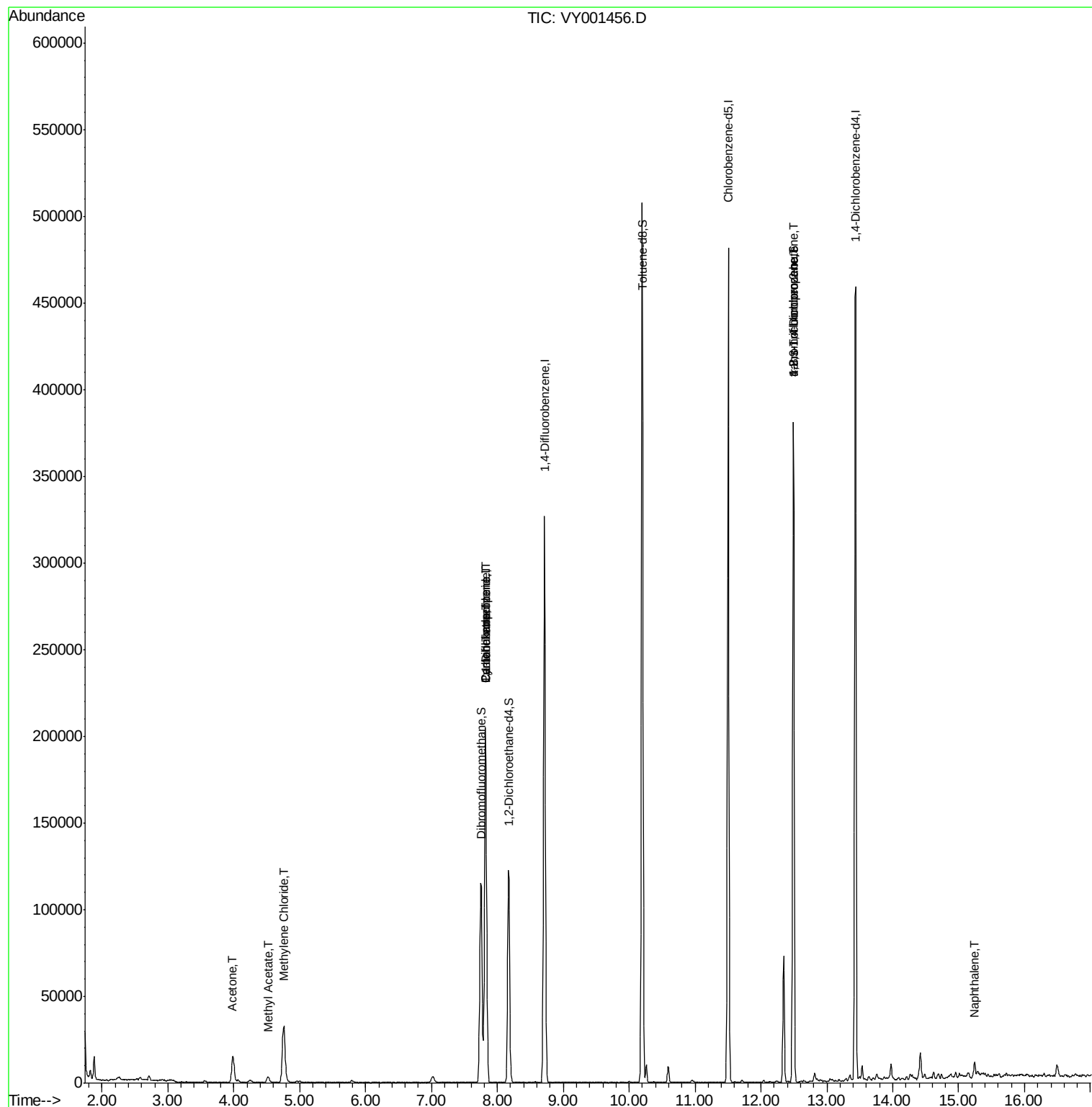
Target Compounds						Qvalue
11) Tert butyl alcohol	4.99	59	1293	Below Cal	#	74
16) Acetone	3.98	43	28005	57.37	ug/l	96
18) Methyl Acetate	4.52	43	6746	4.76	ug/l	100
20) Methylene Chloride	4.76	84	25413	8.74	ug/l	98
31) Cyclohexane	7.82	56	3641	1.12	ug/l	# 1
36) 1,1-Dichloropropene	7.82	75	12419	4.62	ug/l	# 51
38) Carbon Tetrachloride	7.82	117	15316	6.39	ug/l	# 16
76) 1,2,3-Trichloropropane	12.49	75	61010	43.85	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.49	75	61010	82.99	ug/l	# 14
95) Naphthalene	15.25	128	7053	1.28	ug/l	99

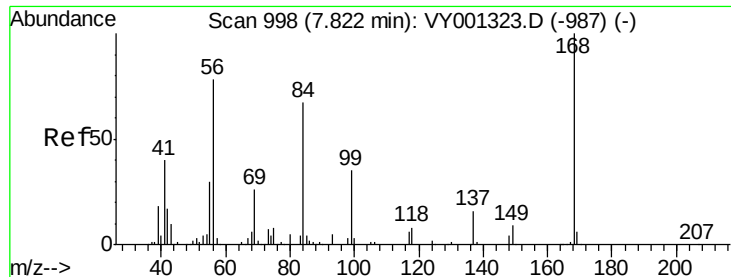
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY001456.D

Acq: 31 Jan 2020 15:31

Instrument :

MSVOA_Y

ClientSampled :

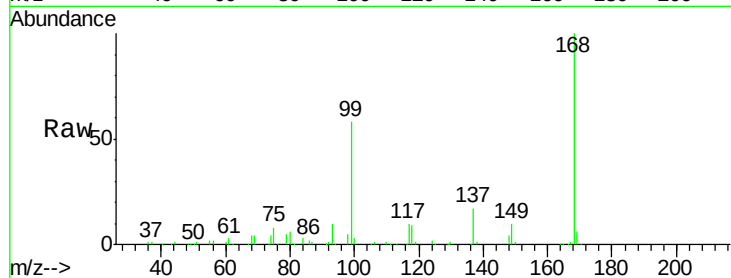
NW-SP

Tgt Ion:168 Resp: 154554

Ion Ratio Lower Upper

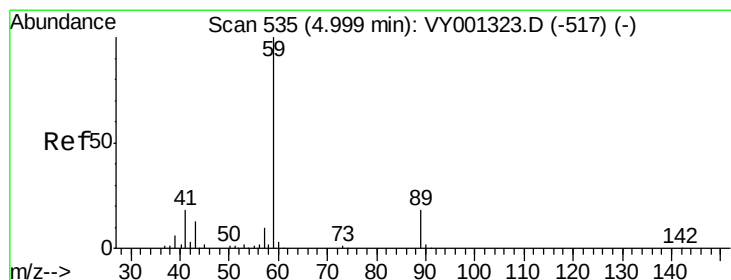
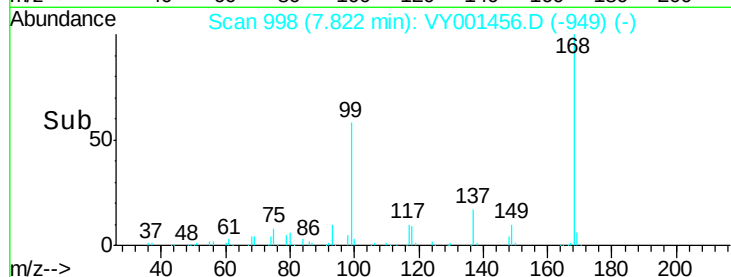
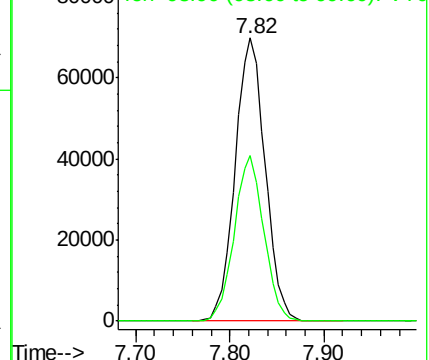
168 100

99 58.4 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. -0.01 min

Lab File: VY001456.D

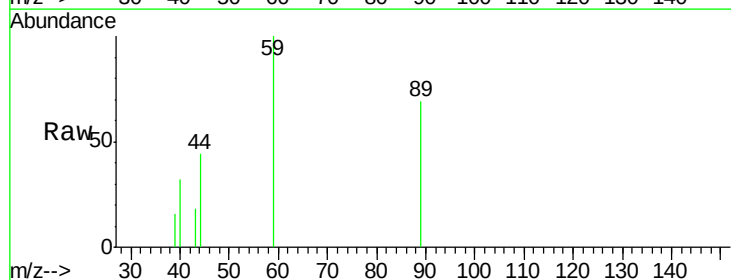
Acq: 31 Jan 2020 15:31

Tgt Ion: 59 Resp: 1293

Ion Ratio Lower Upper

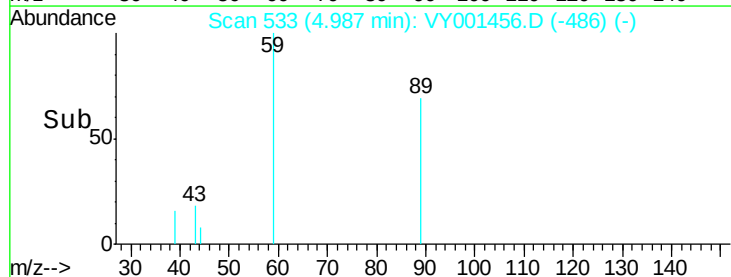
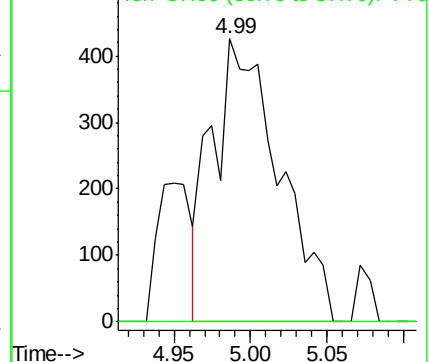
59 100

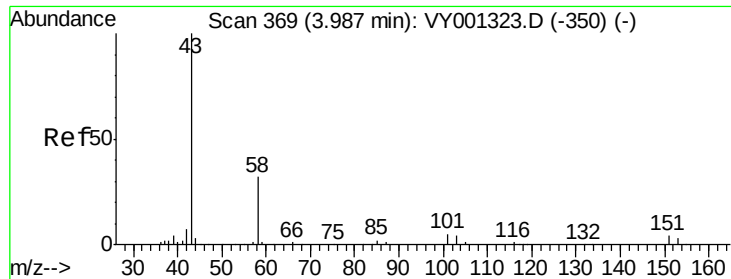
57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 57.37 ug/l

RT: 3.98 min Scan# 368

Delta R.T. -0.01 min

Lab File: VY001456.D

Acq: 31 Jan 2020 15:31

Instrument :

MSVOA_Y

ClientSampleId :

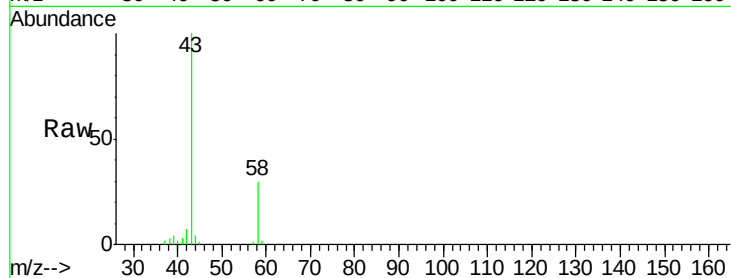
NW-SP

Tgt Ion: 43 Resp: 28005

Ion Ratio Lower Upper

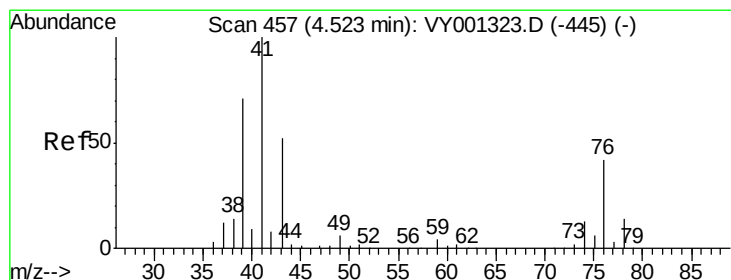
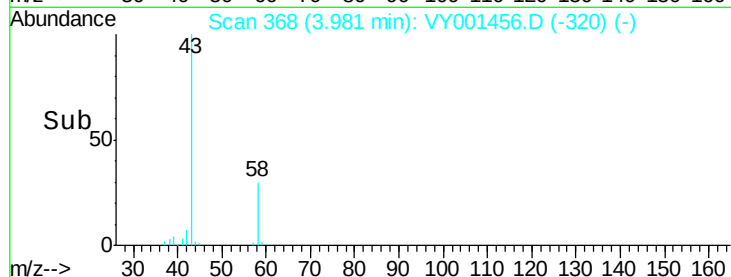
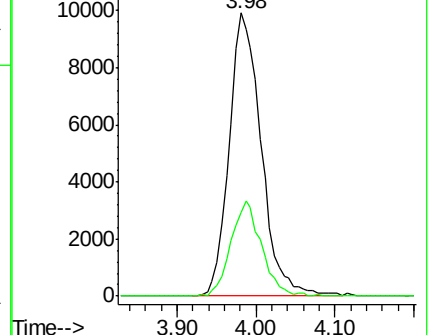
43 100

58 29.7 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#18

Methyl Acetate

Concen: 4.76 ug/l

RT: 4.52 min Scan# 456

Delta R.T. -0.01 min

Lab File: VY001456.D

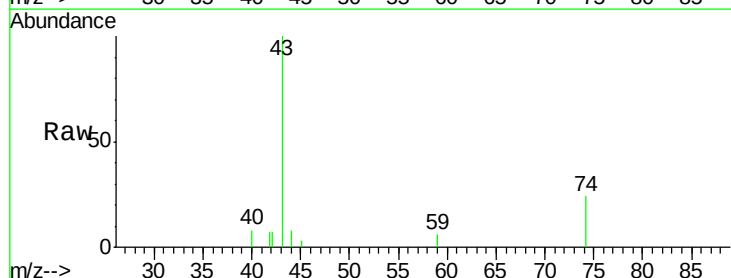
Acq: 31 Jan 2020 15:31

Tgt Ion: 43 Resp: 6746

Ion Ratio Lower Upper

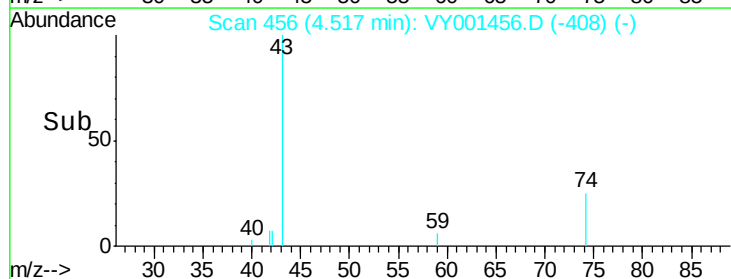
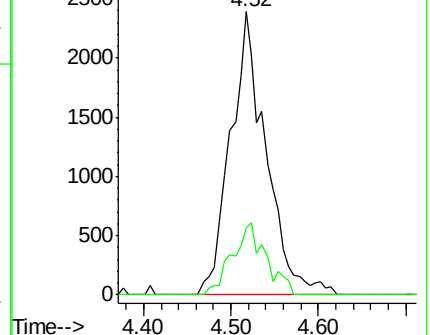
43 100

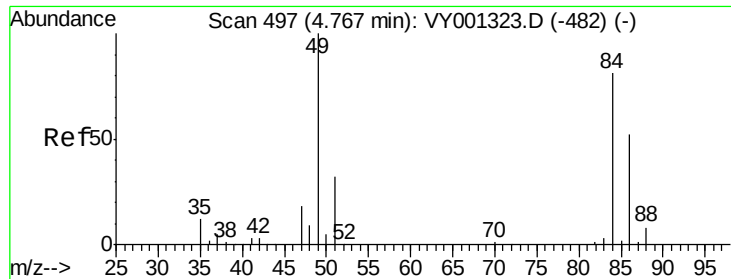
74 24.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

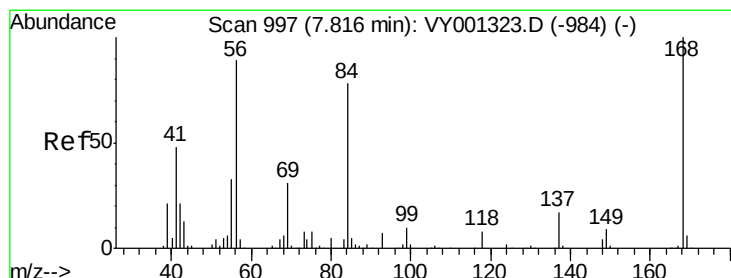
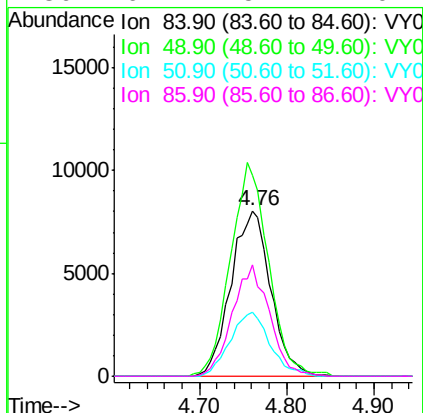
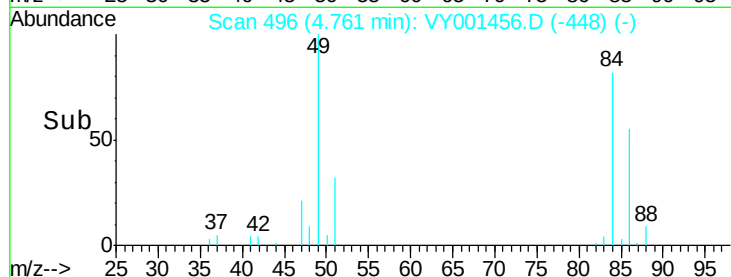
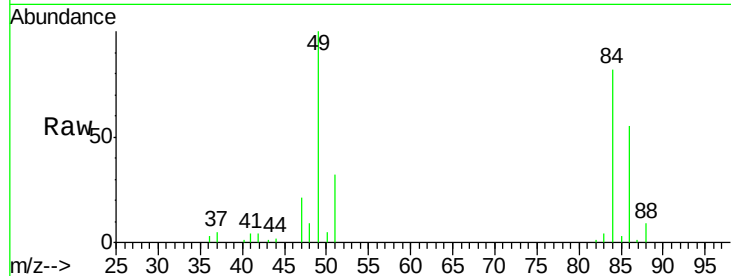




#20
Methylene Chloride
Concen: 8.74 ug/l
RT: 4.76 min Scan# 496
Delta R.T. -0.01 min
Lab File: VY001456.D
Acq: 31 Jan 2020 15:31

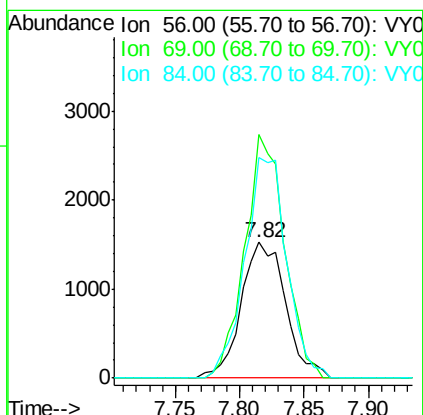
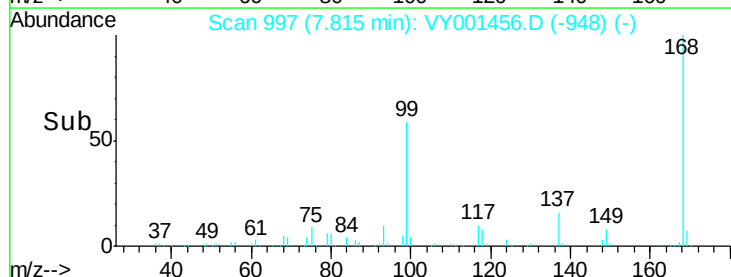
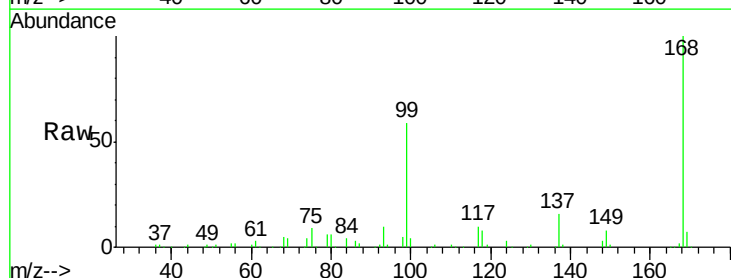
Instrument :
MSVOA_Y
ClientSampleId :
NW-SP

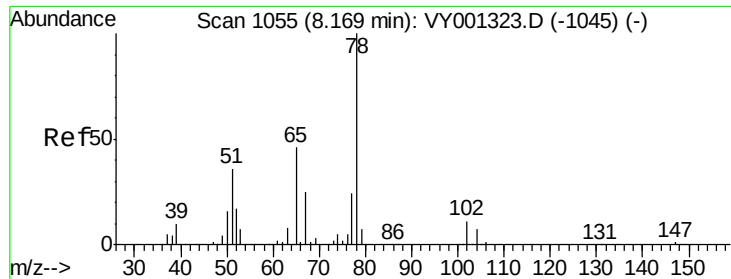
Tgt Ion:	84	Resp:	25413
Ion	Ratio	Lower	Upper
84	100		
49	121.2	98.3	147.5
51	38.4	31.6	47.4
86	67.1	51.1	76.7



#31
Cyclohexane
Concen: 1.12 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.00 min
Lab File: VY001456.D
Acq: 31 Jan 2020 15:31

Tgt Ion:	56	Resp:	3641
Ion	Ratio	Lower	Upper
56	100		
69	179.5	27.6	41.4#
84	162.5	69.7	104.5#

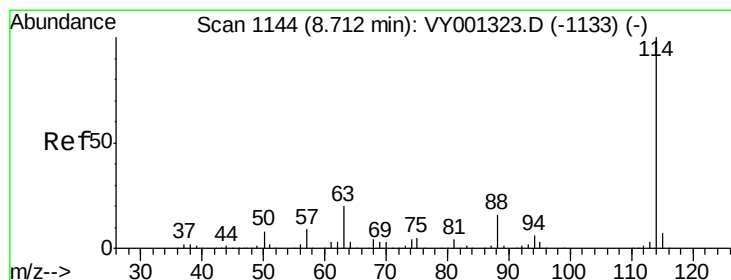
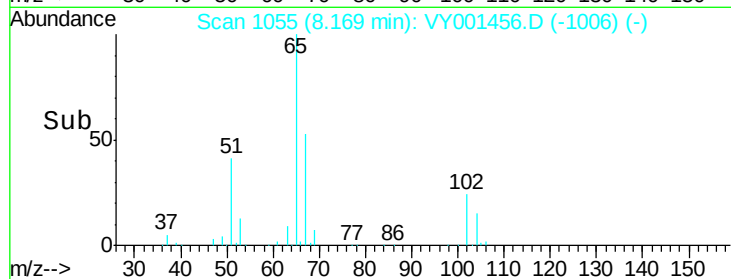
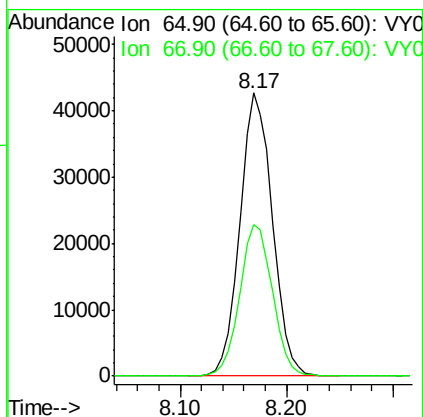
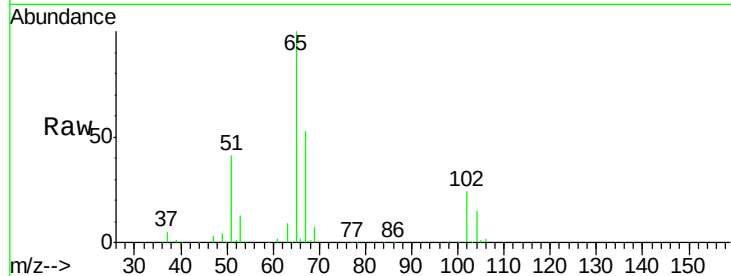




#33
 1,2-Dichloroethane-d4
 Concen: 54.37 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VY001456.D
 Acq: 31 Jan 2020 15:31

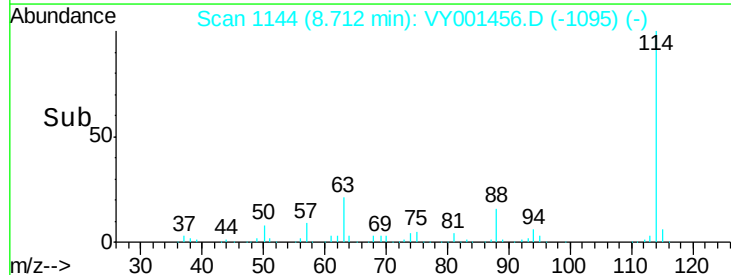
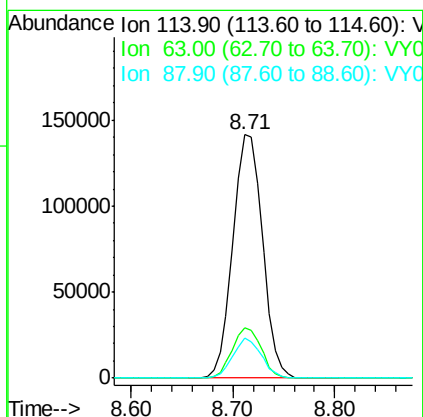
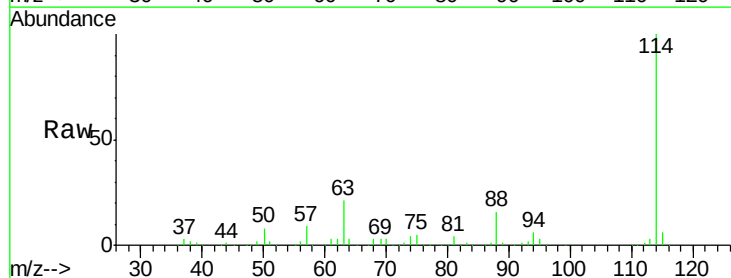
Instrument :
 MSVOA_Y
 ClientSampleId :
 NW-SP

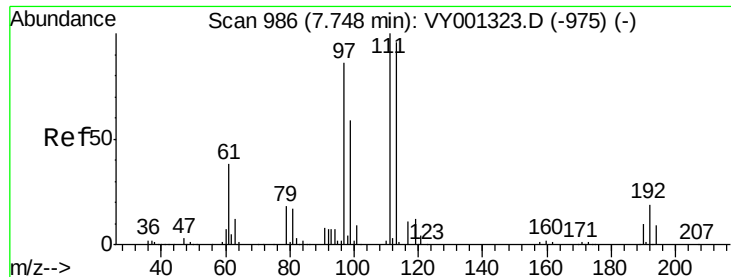
Tgt Ion: 65 Resp: 91439
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY001456.D
 Acq: 31 Jan 2020 15:31

Tgt Ion: 114 Resp: 284746
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.8
 88 16.3 0.0 31.0

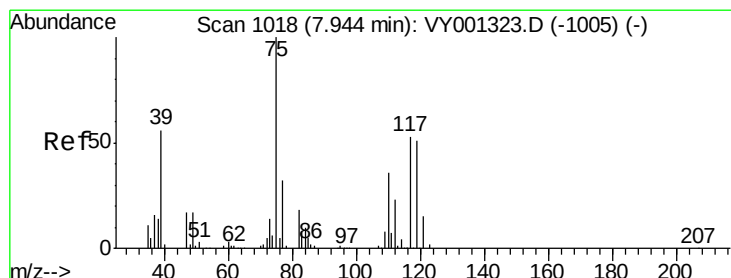
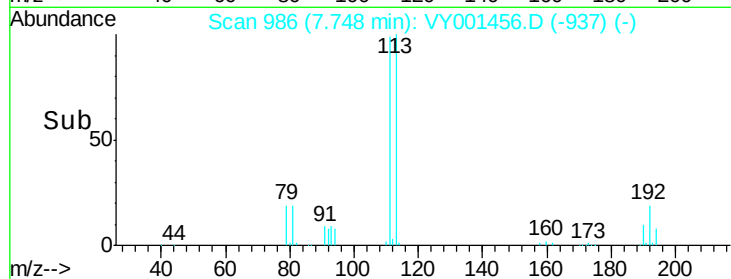
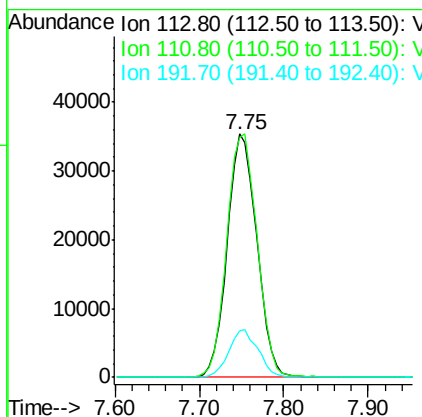
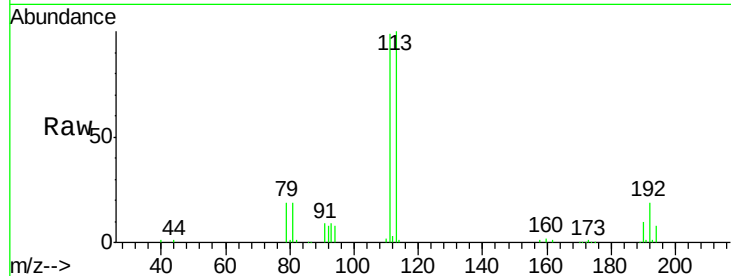




#35
 Dibromofluoromethane
 Concen: 50.46 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: VY001456.D
 Acq: 31 Jan 2020 15:31

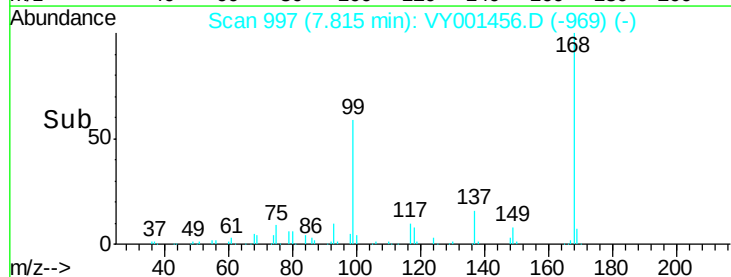
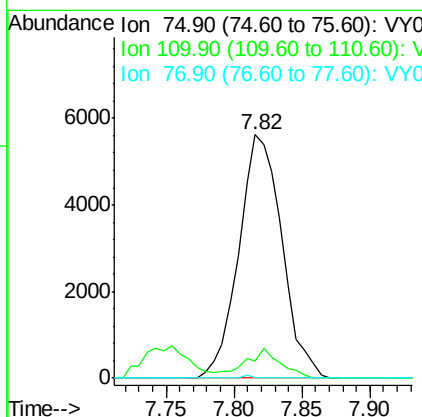
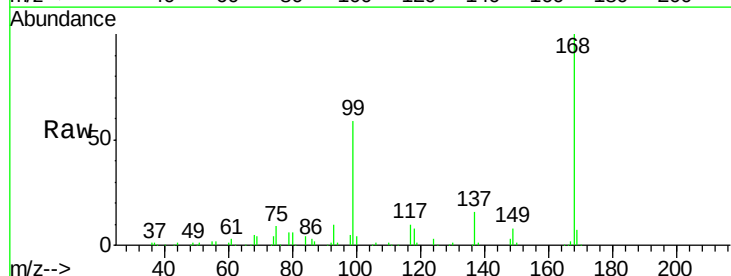
Instrument :
 MSVOA_Y
 ClientSampleId :
 NW-SP

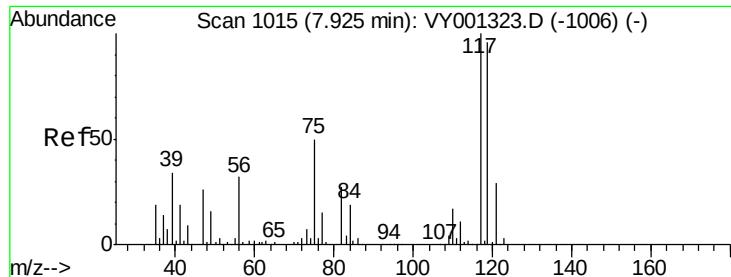
Tgt Ion: 113 Resp: 84332
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.8 124.2
 192 19.2 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 4.62 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001456.D
 Acq: 31 Jan 2020 15:31

Tgt Ion: 75 Resp: 12419
 Ion Ratio Lower Upper
 75 100
 110 10.0 17.6 52.8#
 77 0.2 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.39 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY001456.D

Acq: 31 Jan 2020 15:31

Instrument :

MSVOA_Y

ClientSampleId :

NW-SP

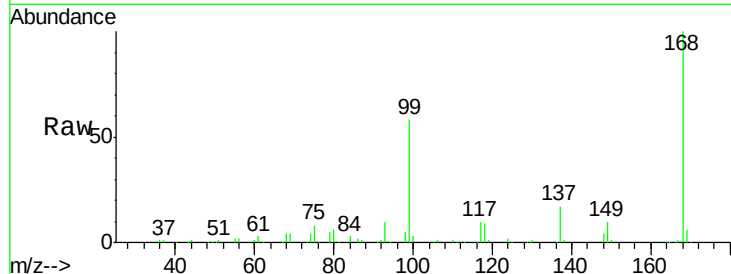
Tgt Ion:117 Resp: 15316

Ion Ratio Lower Upper

117 100

119 5.0 76.3 114.5#

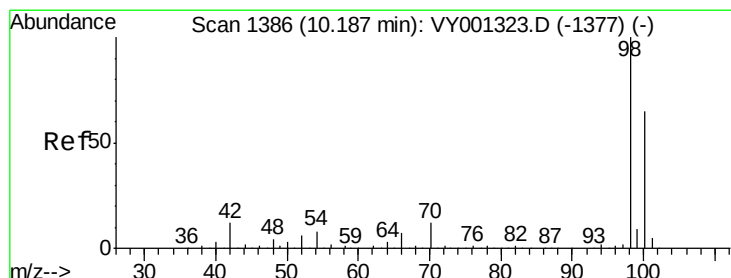
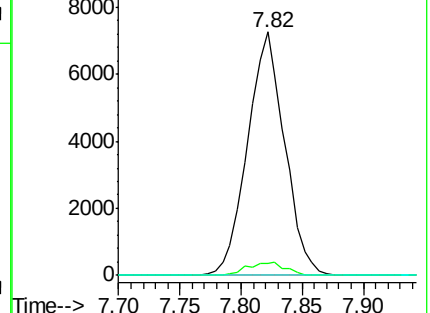
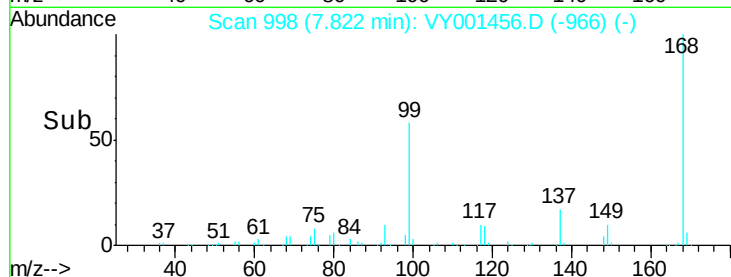
121 0.0 23.5 35.3#



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: 52.32 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001456.D

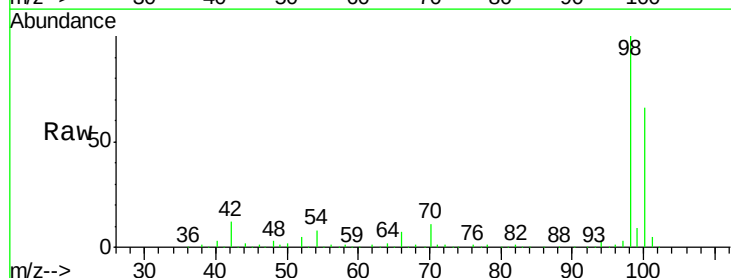
Acq: 31 Jan 2020 15:31

Tgt Ion: 98 Resp: 339715

Ion Ratio Lower Upper

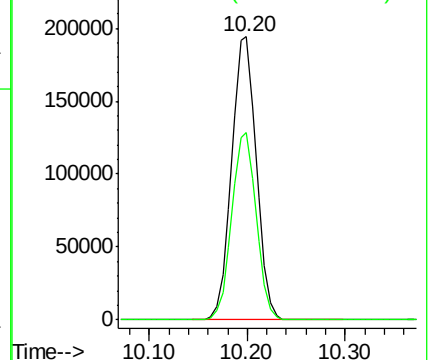
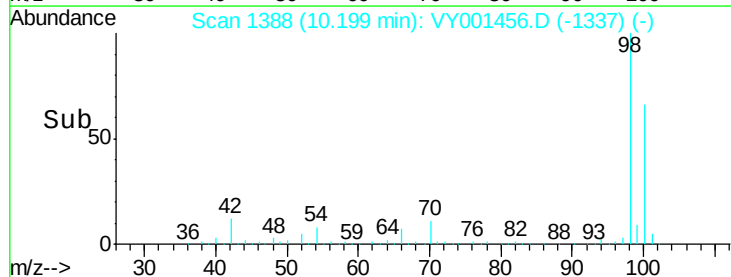
98 100

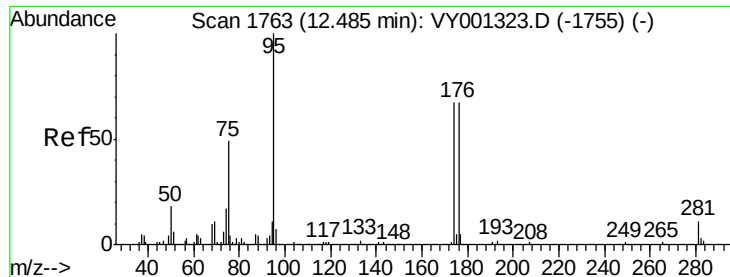
100 65.6 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

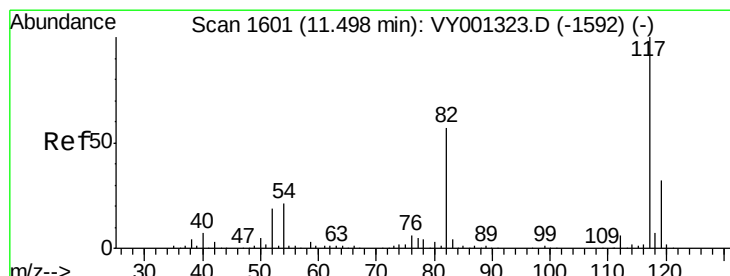
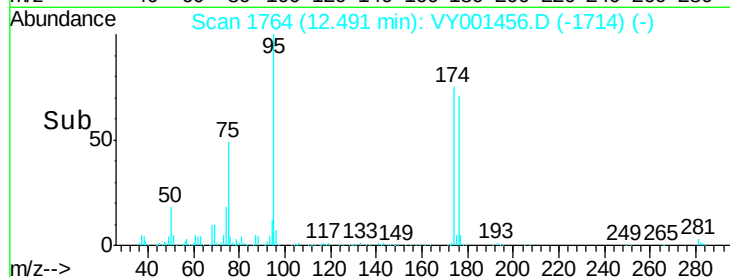
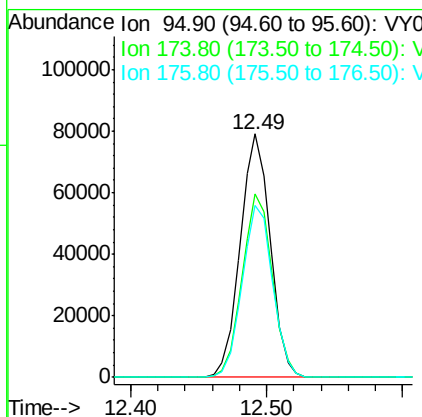
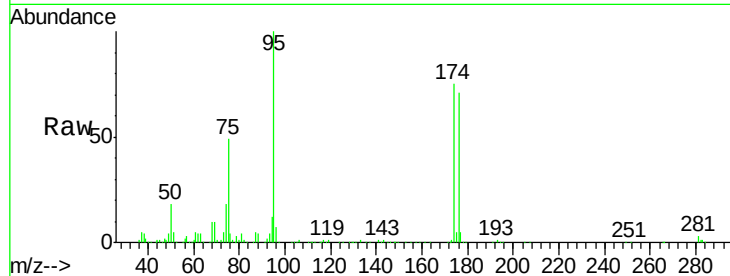




#62
4-Bromofluorobenzene
Concen: 47.13 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001456.D
Acq: 31 Jan 2020 15:31

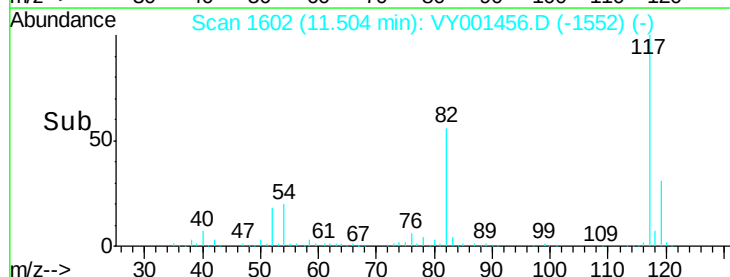
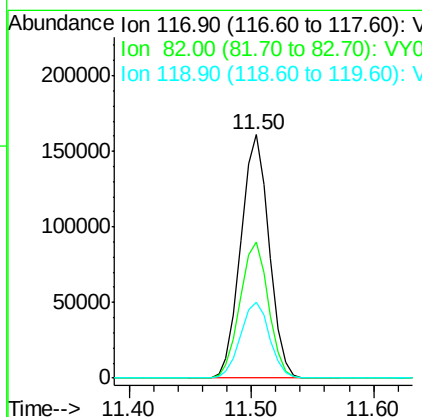
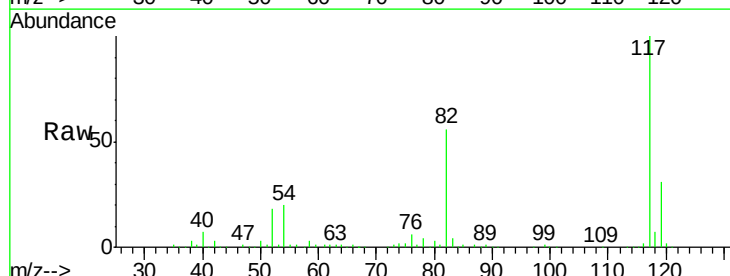
Instrument :
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ClientSampleId :
NW-SP

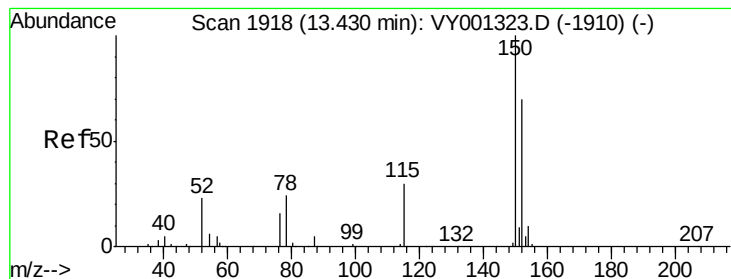
Tgt Ion: 95 Resp: 121863
Ion Ratio Lower Upper
95 100
174 75.7 0.0 142.0
176 71.7 0.0 138.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001456.D
Acq: 31 Jan 2020 15:31

Tgt Ion: 117 Resp: 257959
Ion Ratio Lower Upper
117 100
82 56.0 45.5 68.3
119 31.3 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001456.D

Acq: 31 Jan 2020 15:31

Instrument :

MSVOA_Y

ClientSampleId :

NW-SP

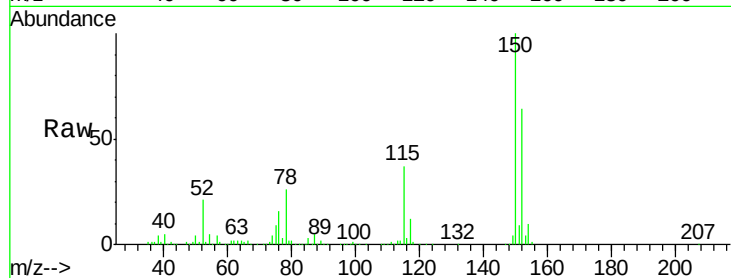
Tgt Ion:152 Resp: 115450

Ion Ratio Lower Upper

152 100

115 59.4 30.9 92.8

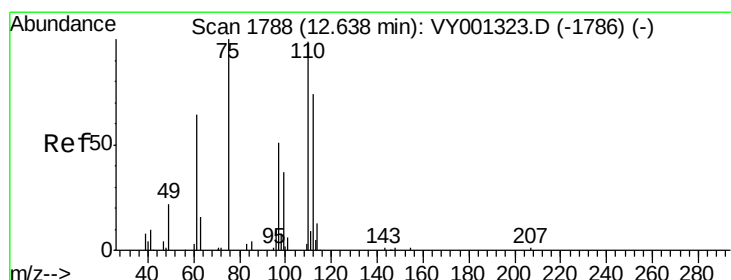
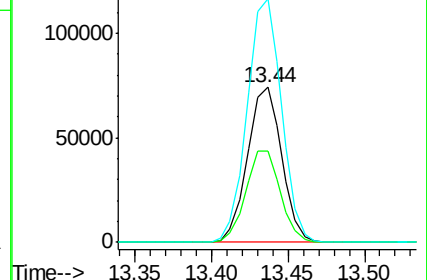
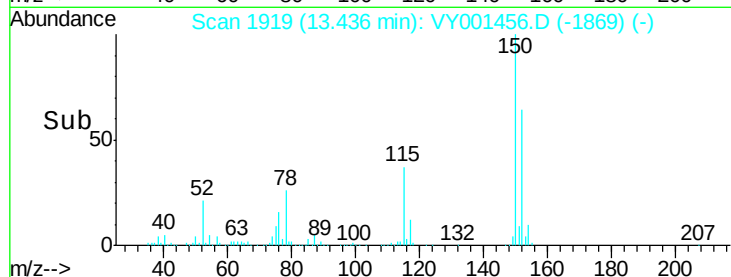
150 157.5 0.0 349.2



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: 43.85 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001456.D

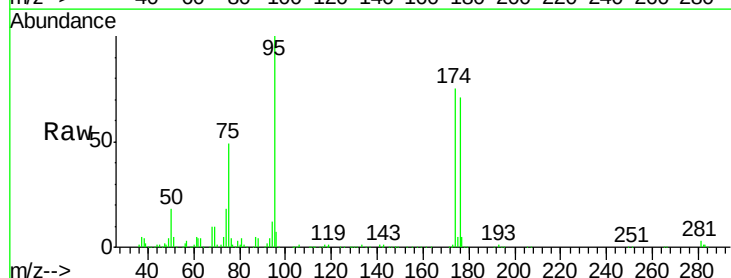
Acq: 31 Jan 2020 15:31

Tgt Ion: 75 Resp: 61010

Ion Ratio Lower Upper

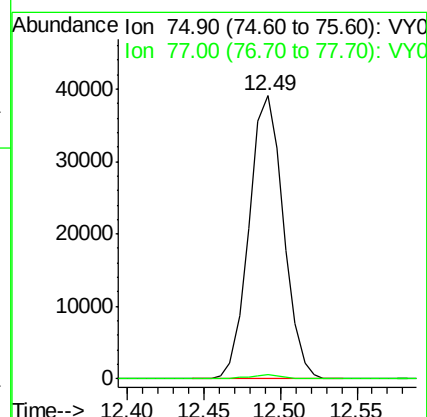
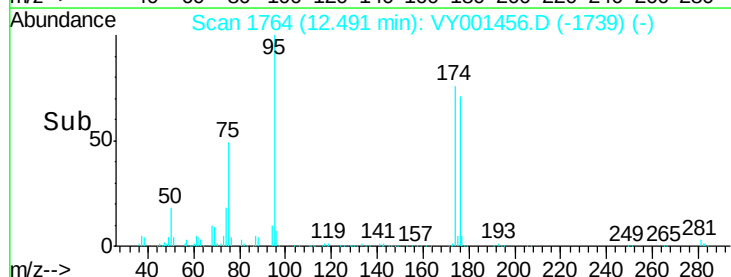
75 100

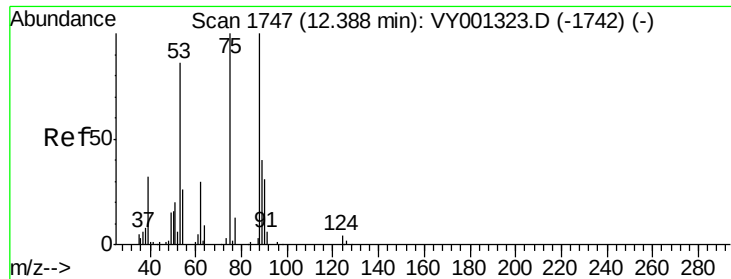
77 1.3 0.0 0.0#



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: 82.99 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001456.D

Acq: 31 Jan 2020 15:31

Instrument :

MSVOA_Y

ClientSampled :

NW-SP

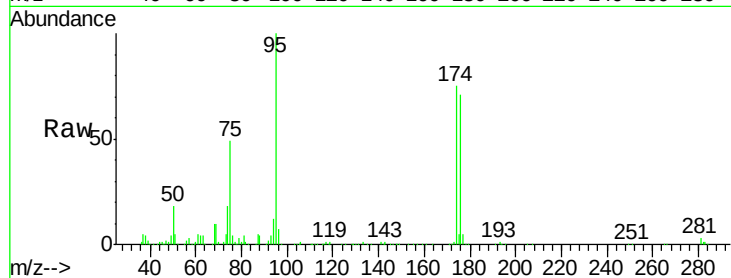
Tgt Ion: 75 Resp: 61010

Ion Ratio Lower Upper

75 100

53 0.0 69.9 104.9#

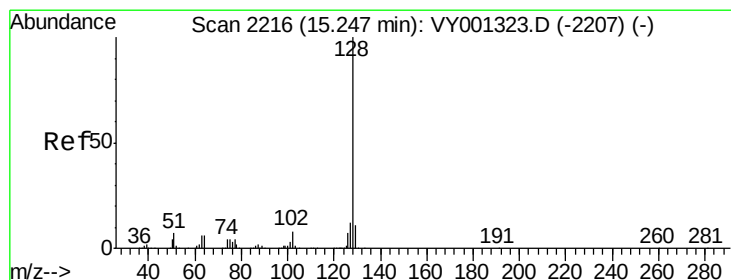
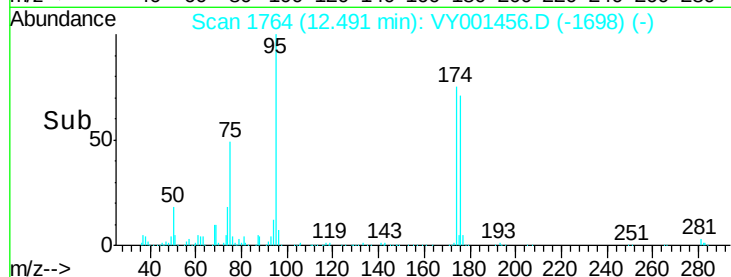
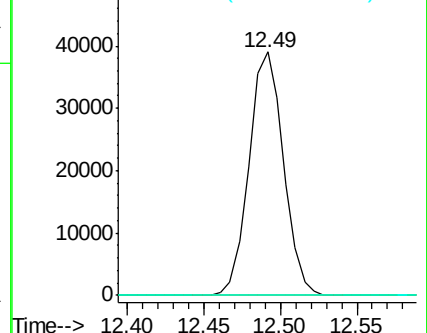
89 0.1 36.6 54.8#



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



#95

Naphthalene

Concen: 1.28 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY001456.D

Acq: 31 Jan 2020 15:31

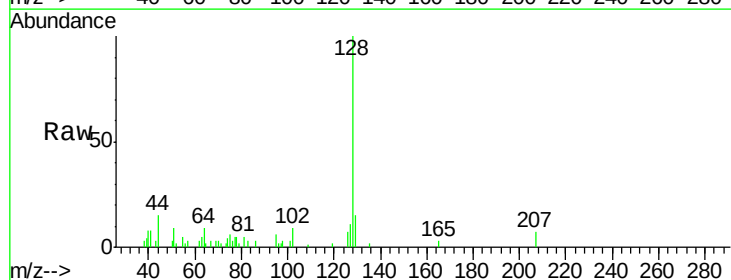
Tgt Ion: 128 Resp: 7053

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

129 11.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

