

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011720\
 Data File : VY001275.D
 Acq On : 17 Jan 2020 19:02
 Operator : SY/MD
 Sample : L1006-01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-01-011520

Quant Time: Jan 18 03:26:27 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	7.83	168	228689	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.72	114	416847	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.50	117	373108	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.44	152	165457	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.18	65	133882	55.43	ug/l	0.03
Spiked Amount	50.000		Recovery	=	110.86%	
35) Dibromofluoromethane	7.76	113	124370	50.96	ug/l	0.04
Spiked Amount	50.000		Recovery	=	101.92%	
50) Toluene-d8	10.21	98	494260	52.56	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.12%	
62) 4-Bromofluorobenzene	12.49	95	185241	48.18	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.36%	

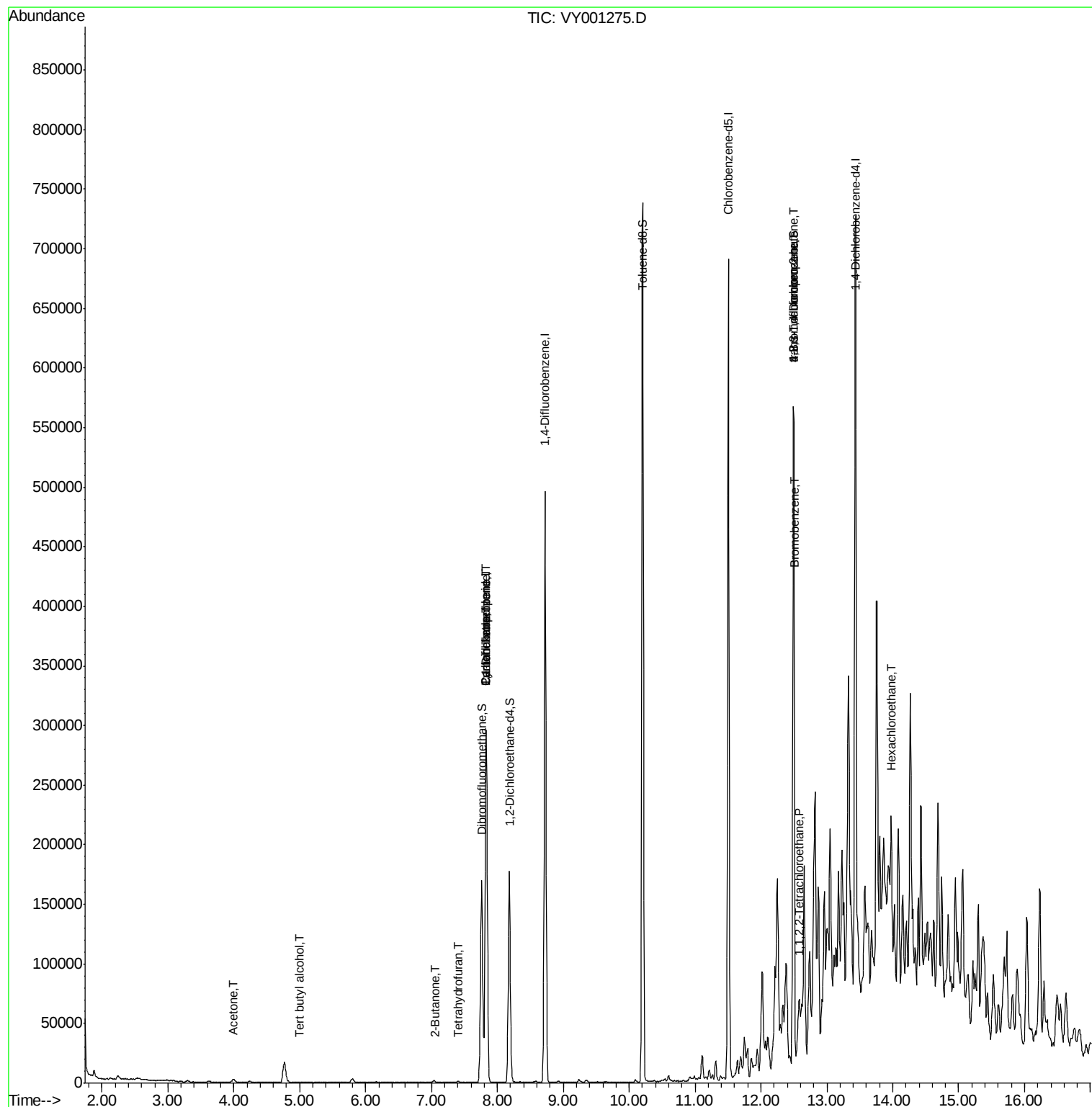
Target Compounds						Qvalue
11) Tert butyl alcohol	5.00	59	474	1.95	ug/l	96
16) Acetone	3.99	43	4270	7.61	ug/l	89
20) Methylene Chloride	4.77	84	13104	Below	Cal	94
25) 2-Butanone	7.05	43	1044	1.20	ug/l #	47
29) Tetrahydrofuran	7.40	42	813	1.36	ug/l #	53
31) Cyclohexane	7.83	56	4867	1.04	ug/l #	1
36) 1,1-Dichloropropene	7.83	75	18086	4.76	ug/l #	48
38) Carbon Tetrachloride	7.83	117	22652	6.51	ug/l #	15
75) 1,1,2,2-Tetrachloroethane	12.57	83	4087	1.56	ug/l #	72
76) 1,2,3-Trichloropropane	12.49	75	87573	49.44	ug/l #	100
77) Bromobenzene	12.51	156	3732	1.36	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.49	75	87573	83.84	ug/l #	7
90) Hexachloroethane	13.98	117	3531	1.66	ug/l #	14

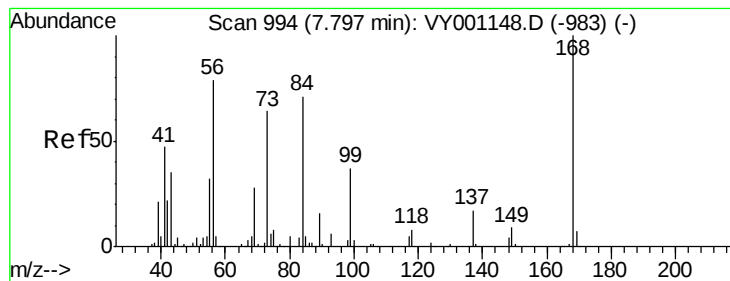
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.83 min Scan# 1000

Delta R.T. 0.04 min

Lab File: VY001275.D

Acq: 17 Jan 2020 19:02

Instrument :

MSVOA_Y

ClientSampleId :

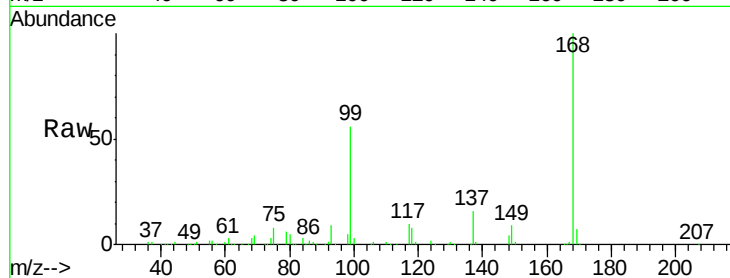
HD-01-011520

Tgt Ion: 168 Resp: 228689

Ion Ratio Lower Upper

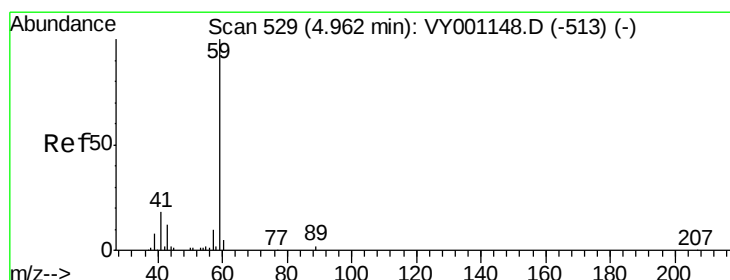
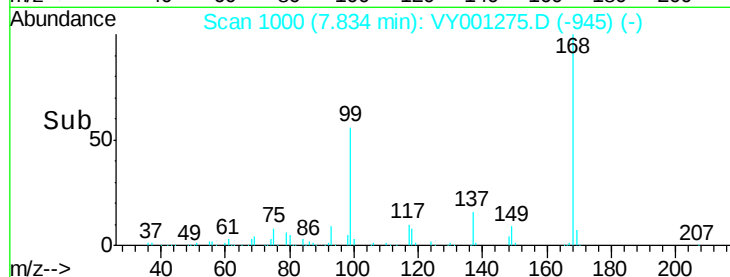
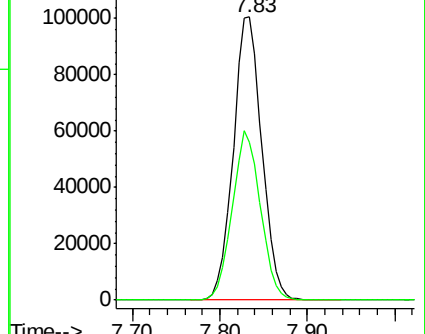
168 100

99 55.9 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: 1.95 ug/l

RT: 5.00 min Scan# 535

Delta R.T. 0.04 min

Lab File: VY001275.D

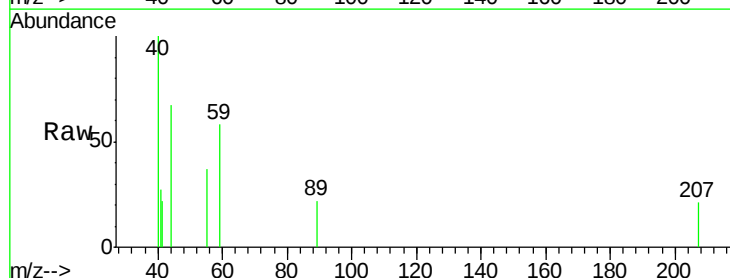
Acq: 17 Jan 2020 19:02

Tgt Ion: 59 Resp: 474

Ion Ratio Lower Upper

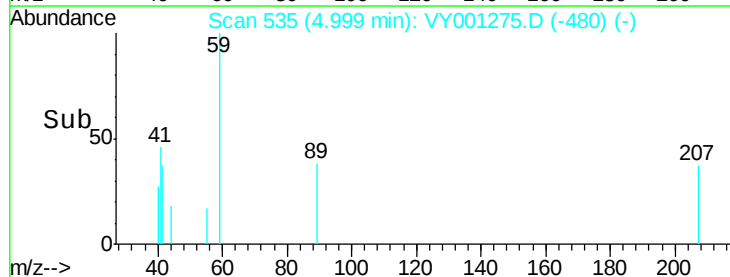
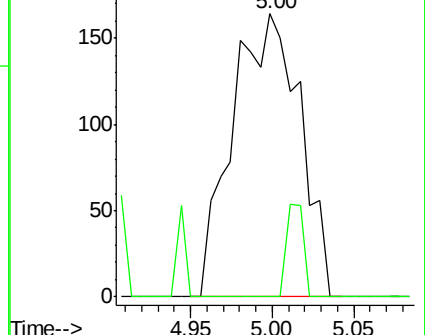
59 100

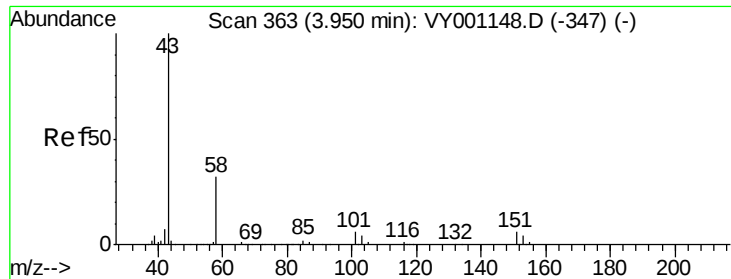
57 8.2 7.8 11.8



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: 7.61 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.04 min

Lab File: VY001275.D

Acq: 17 Jan 2020 19:02

Instrument :

MSVOA_Y

ClientSampleId :

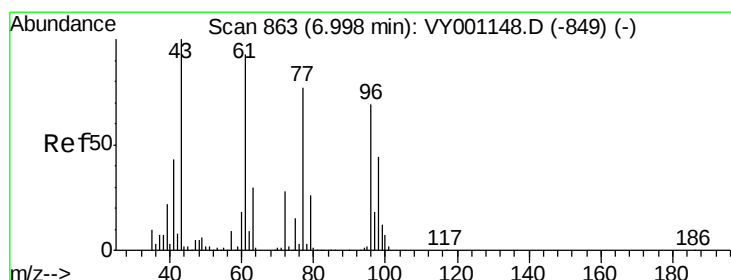
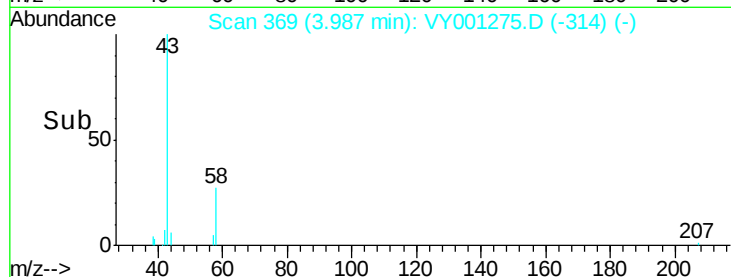
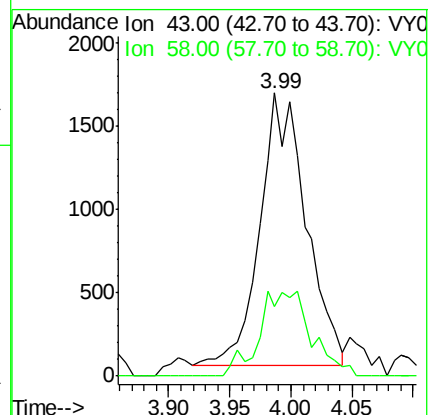
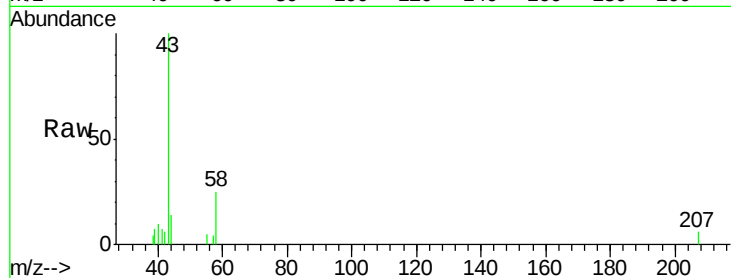
HD-01-011520

Tgt Ion: 43 Resp: 4270

Ion Ratio Lower Upper

43 100

58 25.8 25.8 38.6



#25

2-Butanone

Concen: 1.20 ug/l

RT: 7.05 min Scan# 872

Delta R.T. 0.05 min

Lab File: VY001275.D

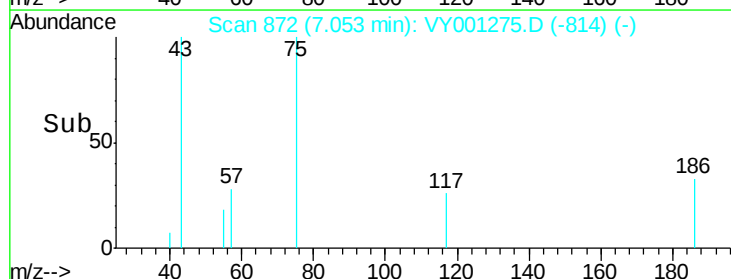
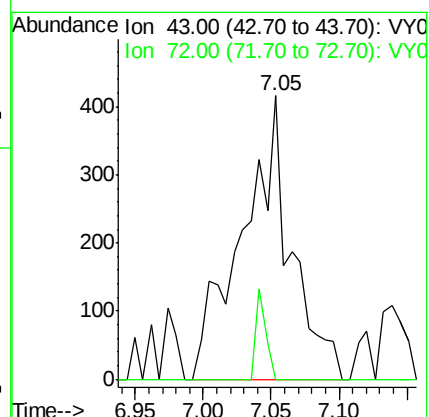
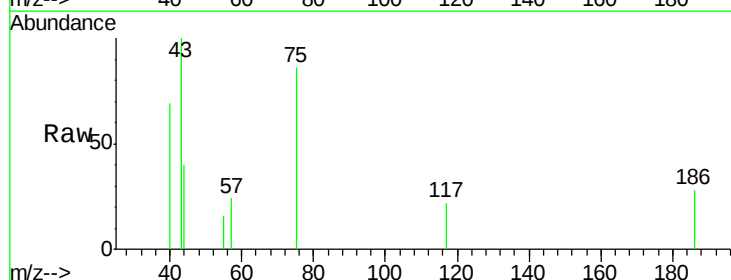
Acq: 17 Jan 2020 19:02

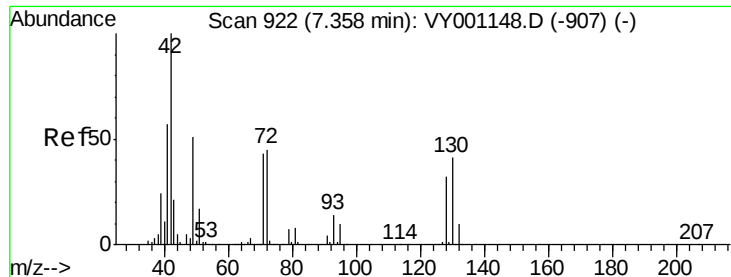
Tgt Ion: 43 Resp: 1044

Ion Ratio Lower Upper

43 100

72 0.0 22.2 33.2#





#29

Tetrahydrofuran

Concen: 1.36 ug/l

RT: 7.40 min Scan# 929

Delta R.T. 0.04 min

Lab File: VY001275.D

Acq: 17 Jan 2020 19:02

Instrument :

MSVOA_Y

ClientSampleId :

HD-01-011520

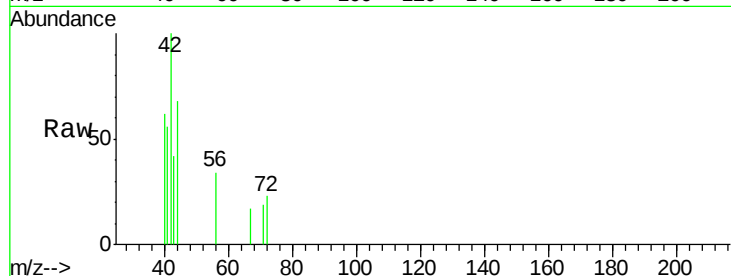
Tgt Ion: 42 Resp: 813

Ion Ratio Lower Upper

42 100

72 15.7 36.9 55.3#

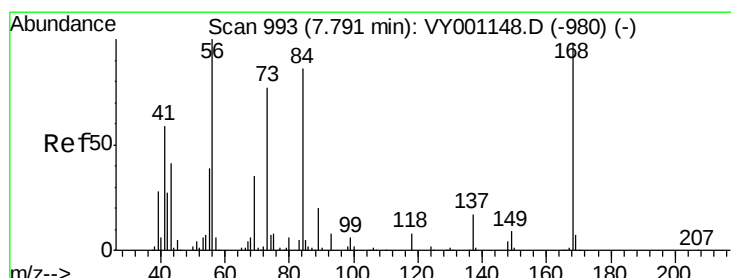
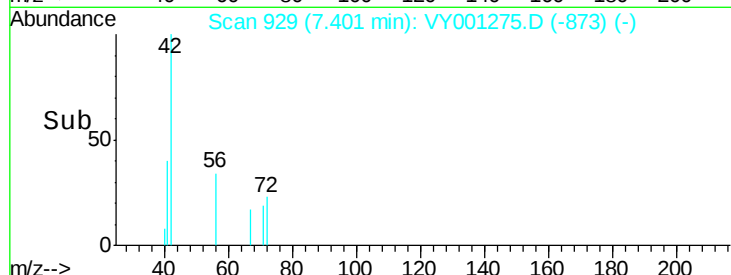
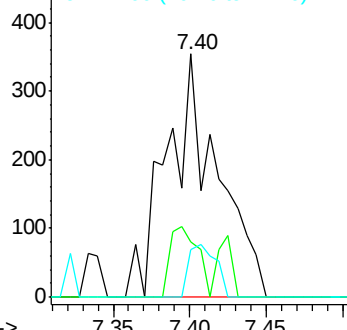
71 11.6 34.0 51.0#



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: 1.04 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.04 min

Lab File: VY001275.D

Acq: 17 Jan 2020 19:02

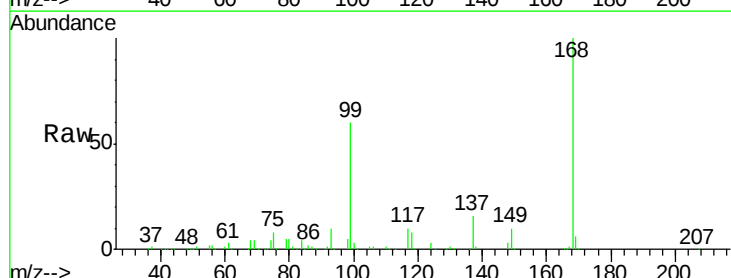
Tgt Ion: 56 Resp: 4867

Ion Ratio Lower Upper

56 100

69 171.4 27.8 41.8#

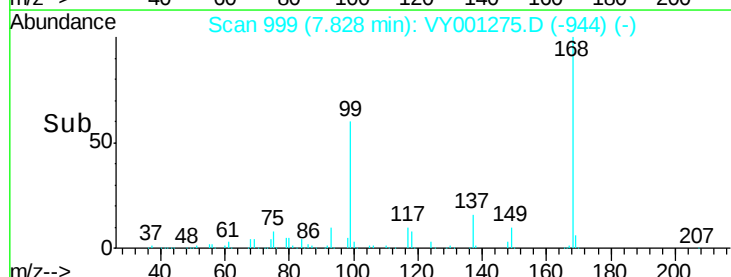
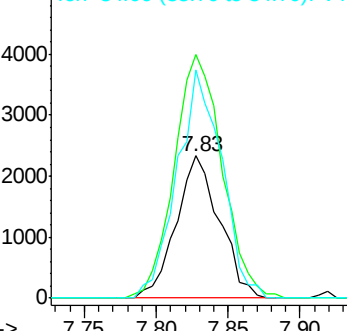
84 166.7 68.9 103.3#

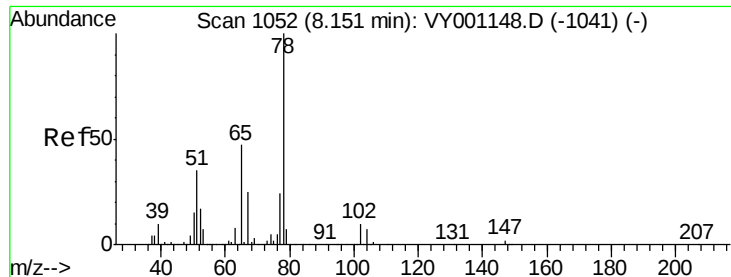


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 55.43 ug/l

RT: 8.18 min Scan# 1057

Delta R.T. 0.03 min

Lab File: VY001275.D

Acq: 17 Jan 2020 19:02

Instrument :

MSVOA_Y

ClientSampleId :

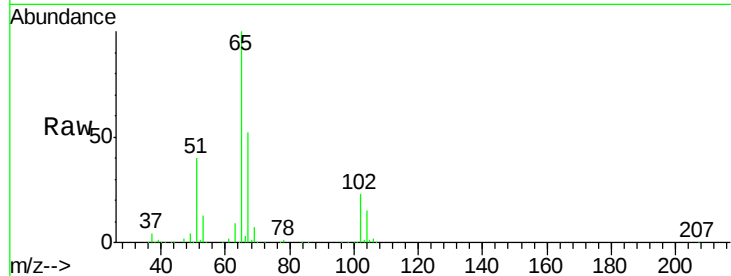
HD-01-011520

Tgt Ion: 65 Resp: 133882

Ion Ratio Lower Upper

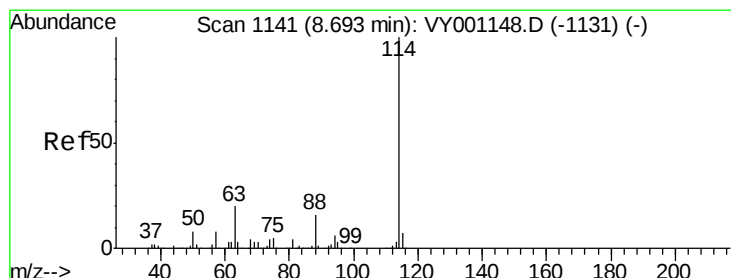
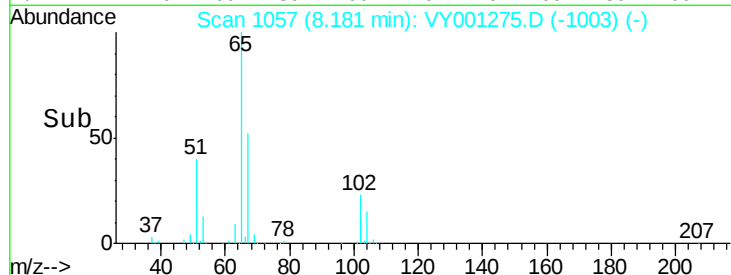
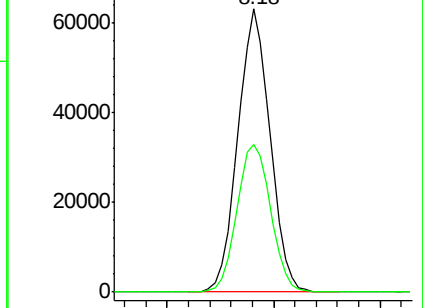
65 100

67 54.8 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY001148.D (-1041) (-)

Ion 66.90 (66.60 to 67.60): VY001148.D (-1041) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.72 min Scan# 1146

Delta R.T. 0.03 min

Lab File: VY001275.D

Acq: 17 Jan 2020 19:02

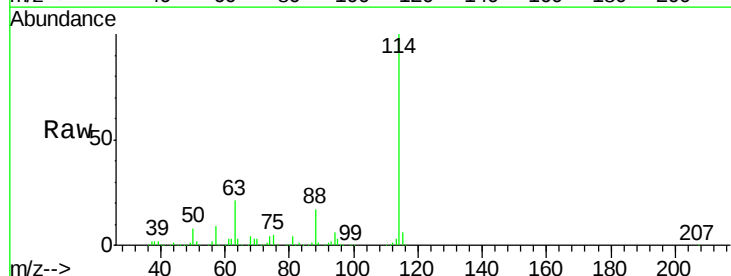
Tgt Ion: 114 Resp: 416847

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

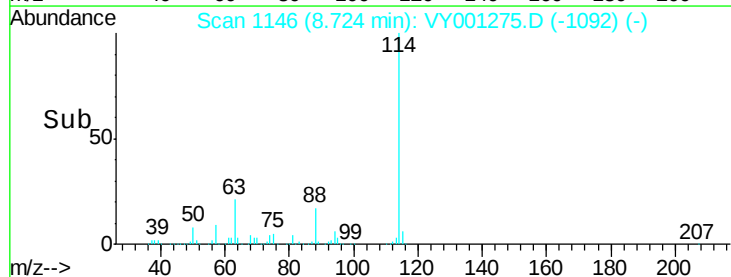
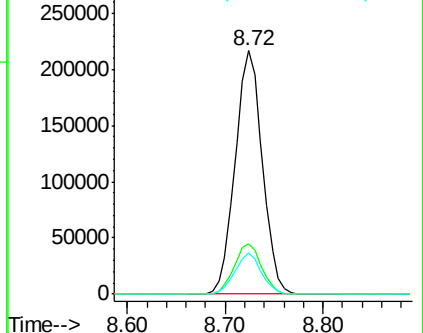
88 16.8 0.0 32.4

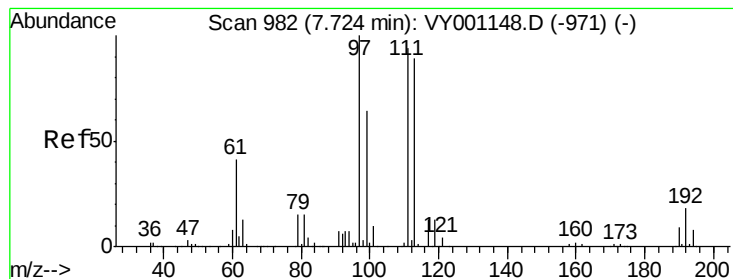


Abundance Ion 113.90 (113.60 to 114.60): VY001148.D (-1131) (-)

Ion 63.00 (62.70 to 63.70): VY001148.D (-1131) (-)

Ion 87.90 (87.60 to 88.60): VY001148.D (-1131) (-)





#35

Dibromofluoromethane

Concen: 50.96 ug/l

RT: 7.76 min Scan# 988

Delta R.T. 0.04 min

Lab File: VY001275.D

Acq: 17 Jan 2020 19:02

Instrument :

MSVOA_Y

ClientSampleId :

HD-01-011520

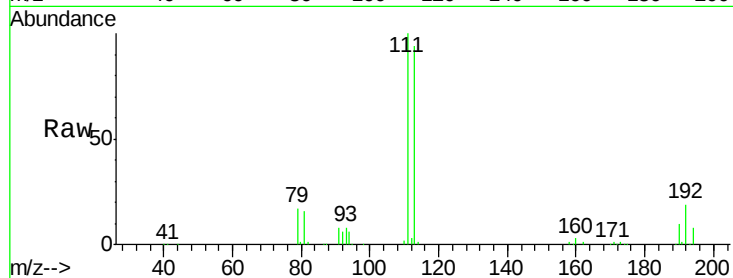
Tgt Ion:113 Resp: 124370

Ion Ratio Lower Upper

113 100

111 104.0 82.9 124.3

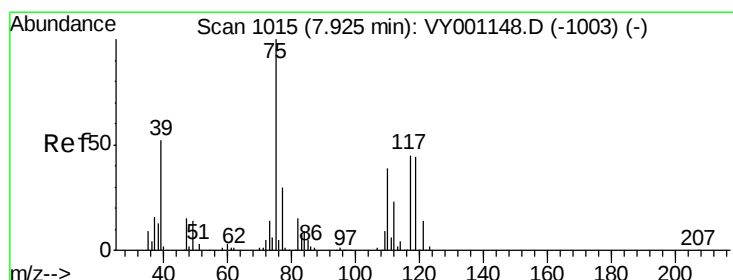
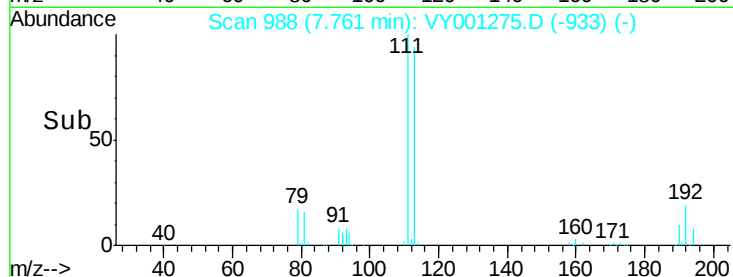
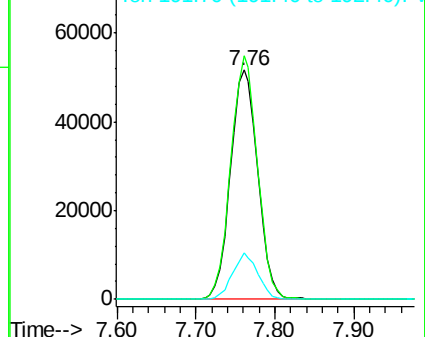
192 18.8 15.4 23.2



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: 4.76 ug/l

RT: 7.83 min Scan# 999

Delta R.T. -0.10 min

Lab File: VY001275.D

Acq: 17 Jan 2020 19:02

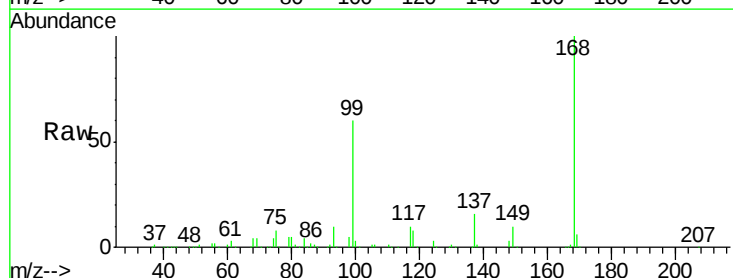
Tgt Ion: 75 Resp: 18086

Ion Ratio Lower Upper

75 100

110 8.5 18.3 54.8#

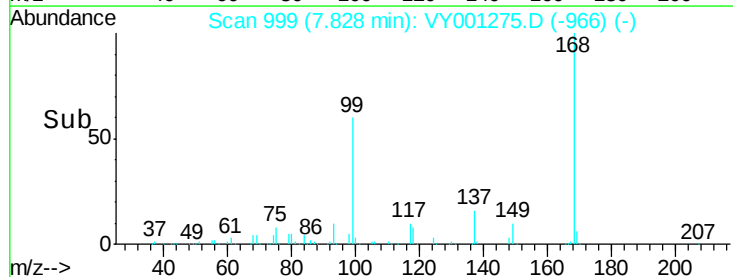
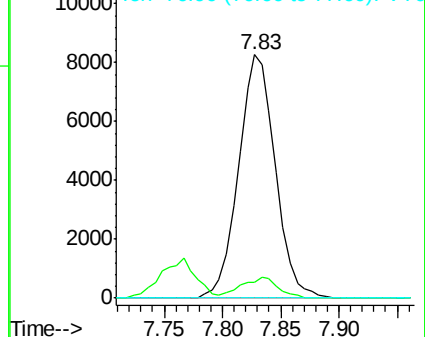
77 0.0 25.1 37.7#

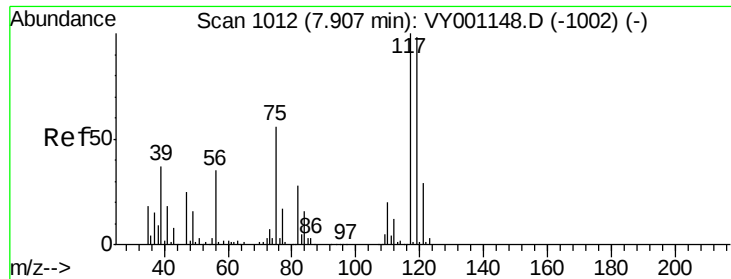


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

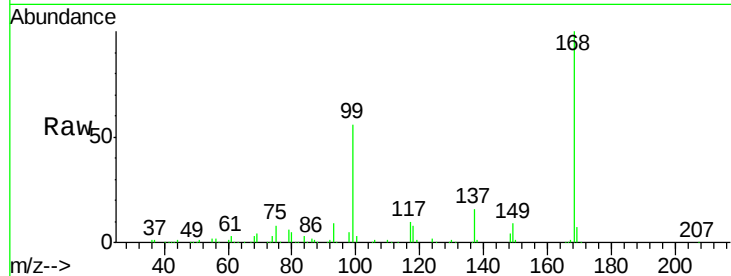




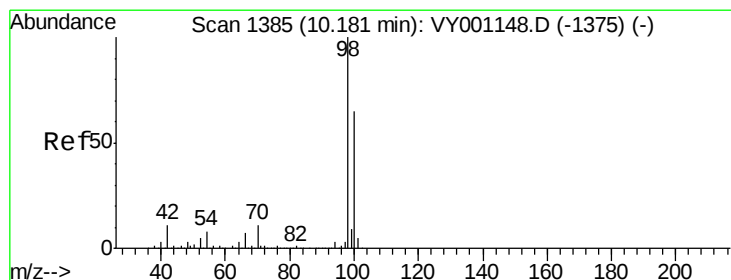
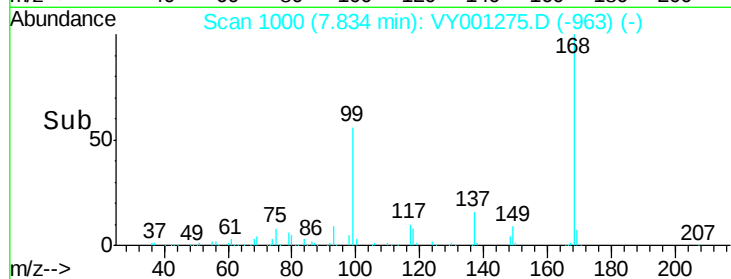
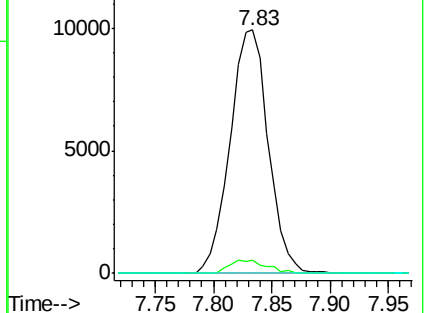
#38
Carbon Tetrachloride
Concen: 6.51 ug/l
RT: 7.83 min Scan# 1000
Delta R.T. -0.07 min
Lab File: VY001275.D
Acq: 17 Jan 2020 19:02

Instrument :
MSVOA_Y
ClientSampleId :
HD-01-011520

Tgt Ion: 117 Resp: 22652
Ion Ratio Lower Upper
117 100
119 5.3 78.3 117.5#
121 0.0 23.5 35.3#

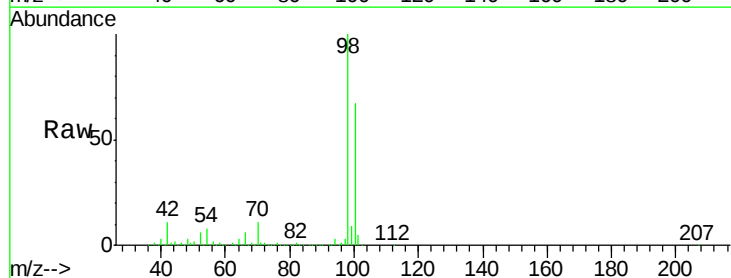


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

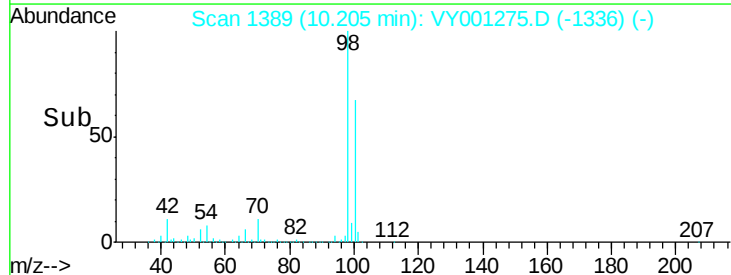
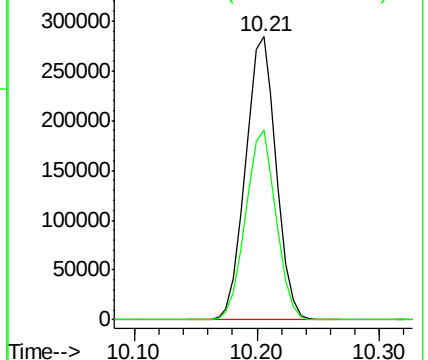


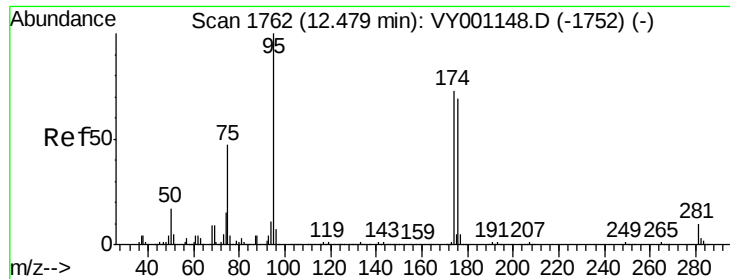
#50
Toluene-d8
Concen: 52.56 ug/l
RT: 10.21 min Scan# 1389
Delta R.T. 0.02 min
Lab File: VY001275.D
Acq: 17 Jan 2020 19:02

Tgt Ion: 98 Resp: 494260
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7



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

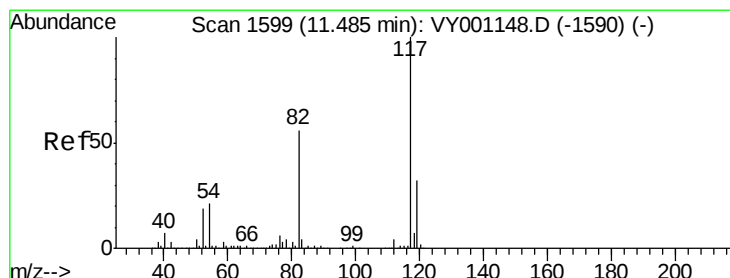
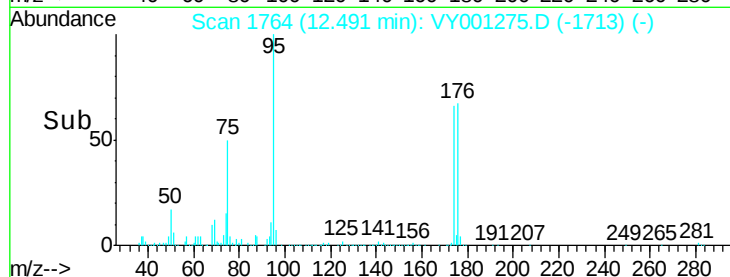
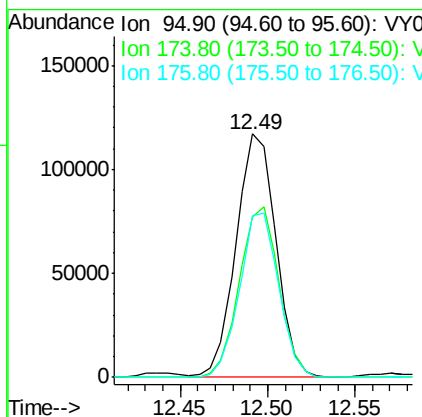
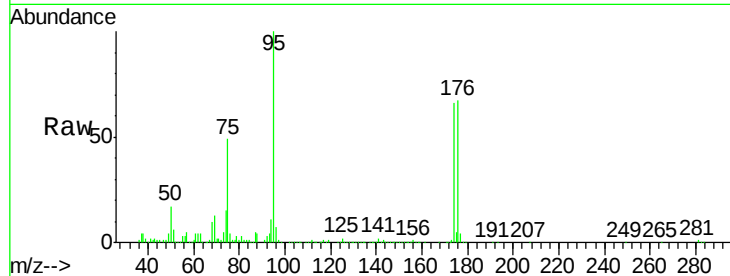




#62
4-Bromofluorobenzene
Concen: 48.18 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001275.D
Acq: 17 Jan 2020 19:02

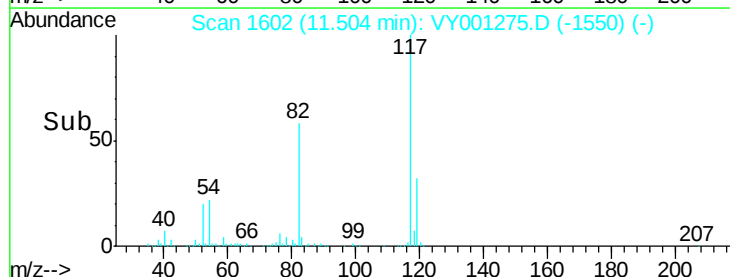
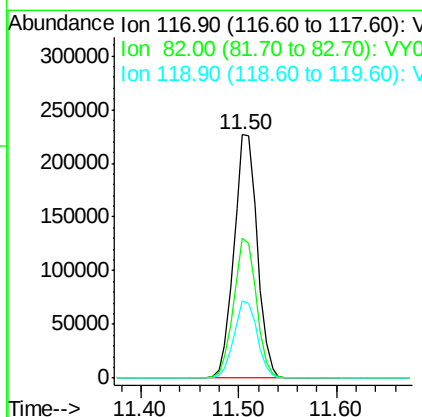
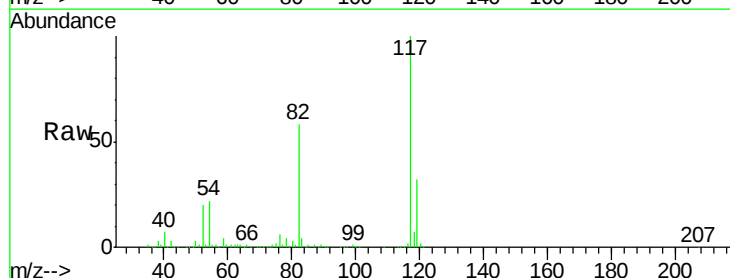
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-011520

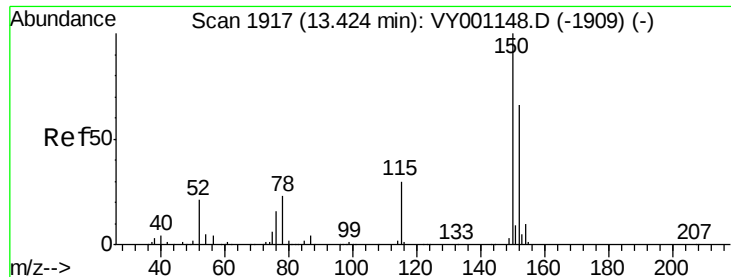
Tgt Ion: 95 Resp: 185241
Ion Ratio Lower Upper
95 100
174 70.0 0.0 143.2
176 66.7 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.02 min
Lab File: VY001275.D
Acq: 17 Jan 2020 19:02

Tgt Ion: 117 Resp: 373108
Ion Ratio Lower Upper
117 100
82 57.6 44.9 67.3
119 31.8 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001275.D

Acq: 17 Jan 2020 19:02

Instrument :

MSVOA_Y

ClientSampleId :

HD-01-011520

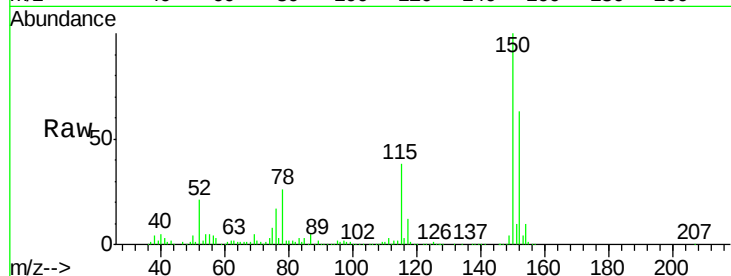
Tgt Ion:152 Resp: 165457

Ion Ratio Lower Upper

152 100

115 61.6 30.9 92.5

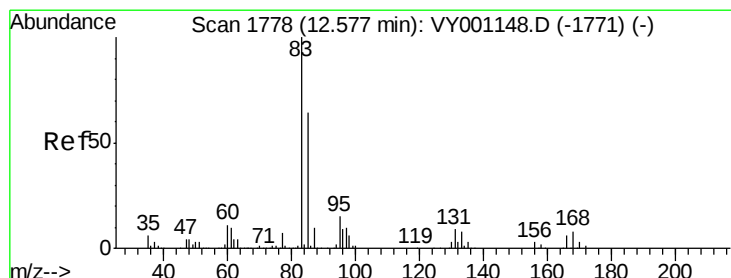
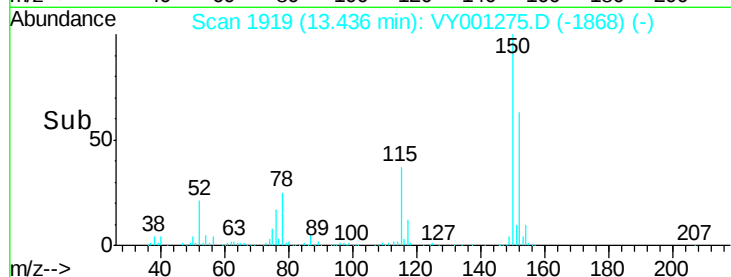
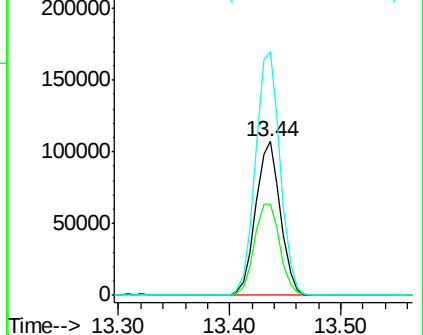
150 157.9 0.0 346.8



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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.56 ug/l

RT: 12.57 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VY001275.D

Acq: 17 Jan 2020 19:02

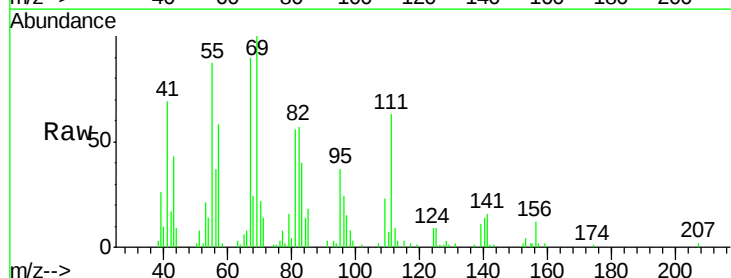
Tgt Ion: 83 Resp: 4087

Ion Ratio Lower Upper

83 100

131 0.7 5.1 15.3#

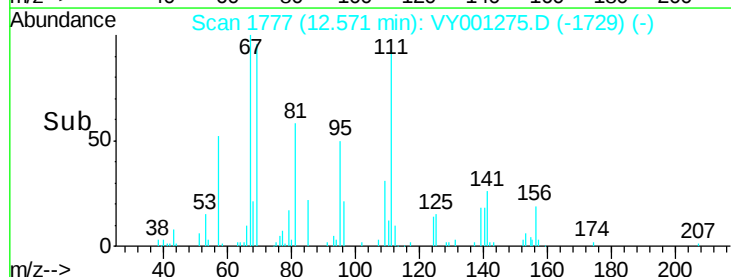
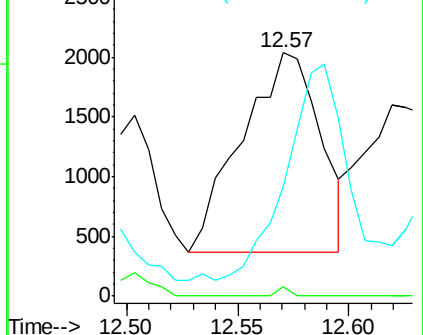
85 86.5 32.2 96.6

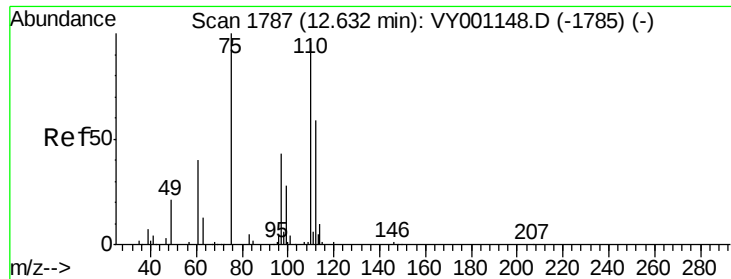


Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VY0





#76

1,2,3-Trichloropropane

Concen: 49.44 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.14 min

Lab File: VY001275.D

Acq: 17 Jan 2020 19:02

Instrument :

MSVOA_Y

ClientSampleId :

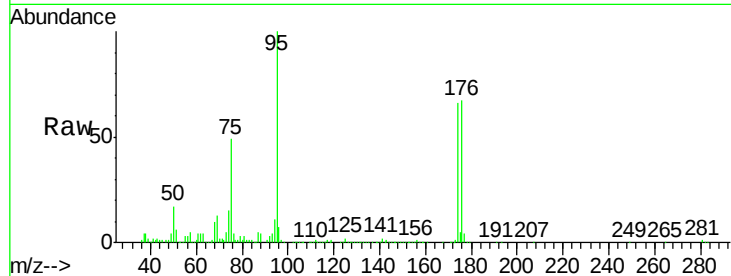
HD-01-011520

Tgt Ion: 75 Resp: 87573

Ion Ratio Lower Upper

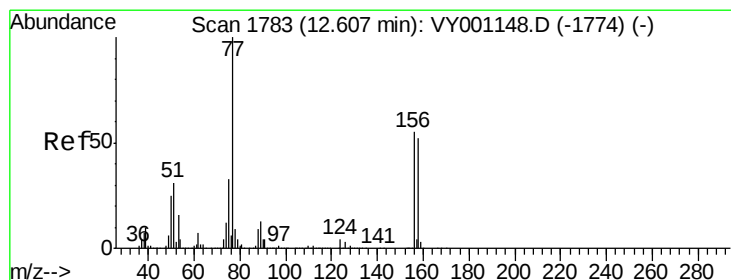
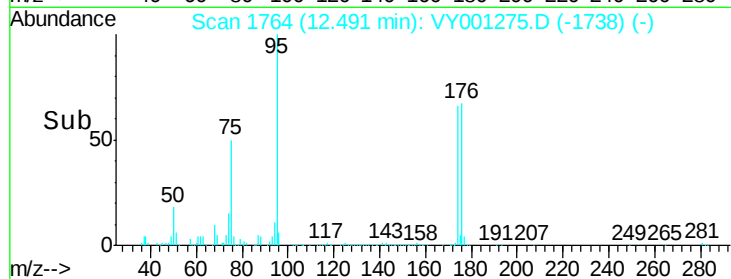
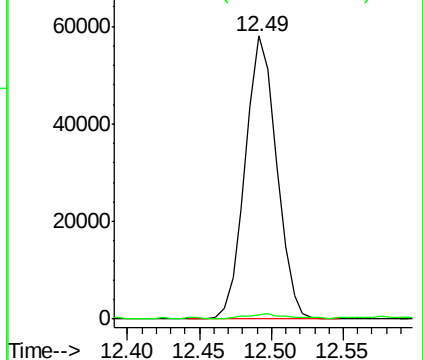
75 100

77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#77

Bromobenzene

Concen: 1.36 ug/l

RT: 12.51 min Scan# 1767

Delta R.T. -0.10 min

Lab File: VY001275.D

Acq: 17 Jan 2020 19:02

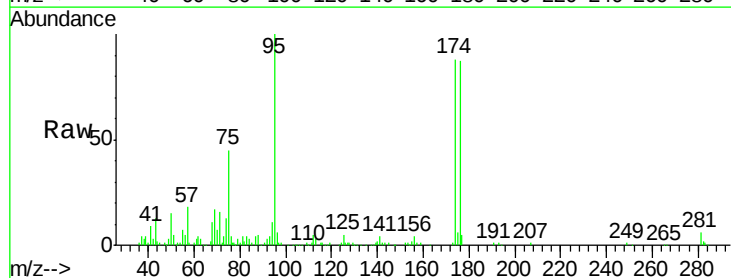
Tgt Ion: 156 Resp: 3732

Ion Ratio Lower Upper

156 100

77 44.7 106.7 320.1#

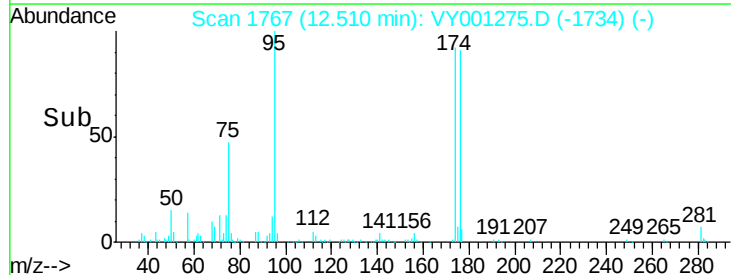
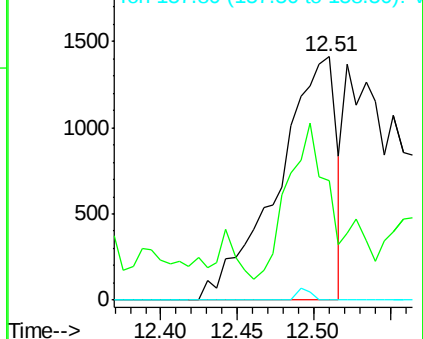
158 1.2 48.3 144.8#

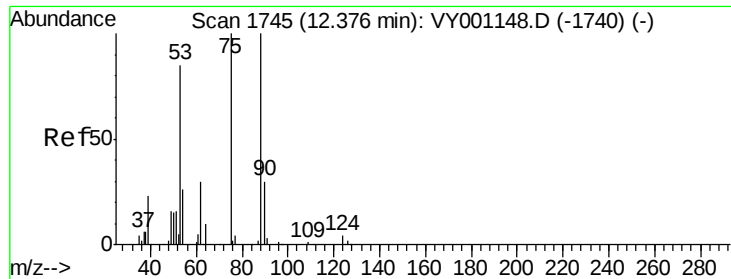


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V

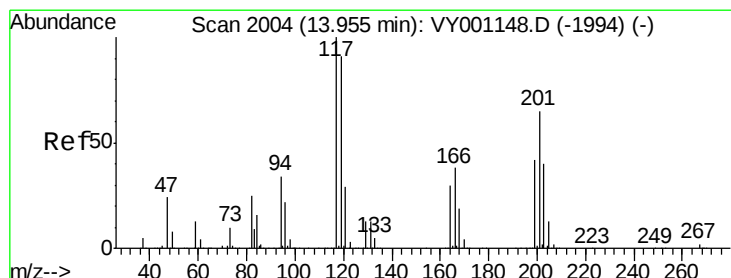
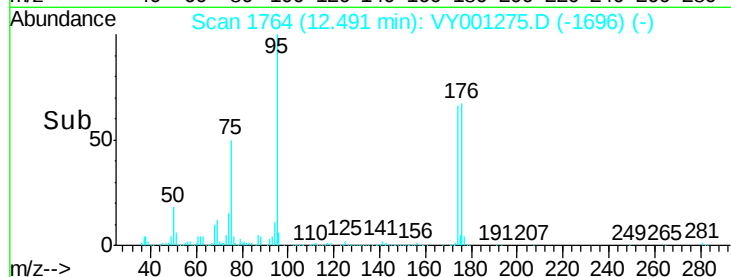
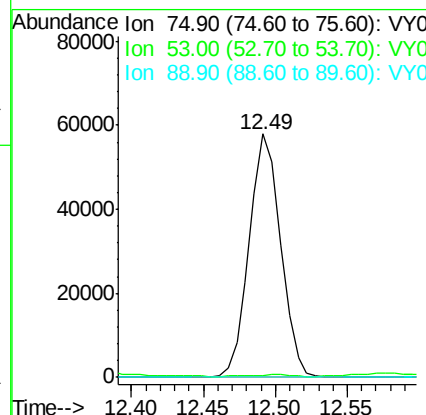
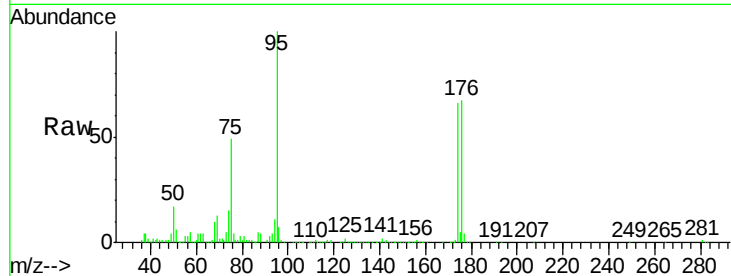




#81
trans-1,4-Dichloro-2-butene
Concen: 83.84 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.12 min
Lab File: VY001275.D
Acq: 17 Jan 2020 19:02

Instrument :
MSVOA_Y
ClientSampleId :
HD-01-011520

Tgt Ion: 75 Resp: 87573
Ion Ratio Lower Upper
75 100
53 1.2 69.4 104.2#
89 0.0 0.0 0.0#



#90
Hexachloroethane
Concen: 1.66 ug/l
RT: 13.98 min Scan# 2008
Delta R.T. 0.02 min
Lab File: VY001275.D
Acq: 17 Jan 2020 19:02

Tgt Ion: 117 Resp: 3531
Ion Ratio Lower Upper
117 100
201 0.0 35.4 106.2#

