

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020620\
 Data File : VY001540.D
 Acq On : 06 Feb 2020 18:47
 Operator : SY/MD
 Sample : L1408-16RE
 Misc : 5.60G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 04:09:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	151137	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	277423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	253192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	110145	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	91678	60.25	ug/l	0.00
Spiked Amount			Recovery	=	120.50%	
35) Dibromofluoromethane	7.75	113	83312	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	
50) Toluene-d8	10.19	98	327730	54.15	ug/l	0.00
Spiked Amount			Recovery	=	108.30%	
62) 4-Bromofluorobenzene	12.49	95	117199	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	

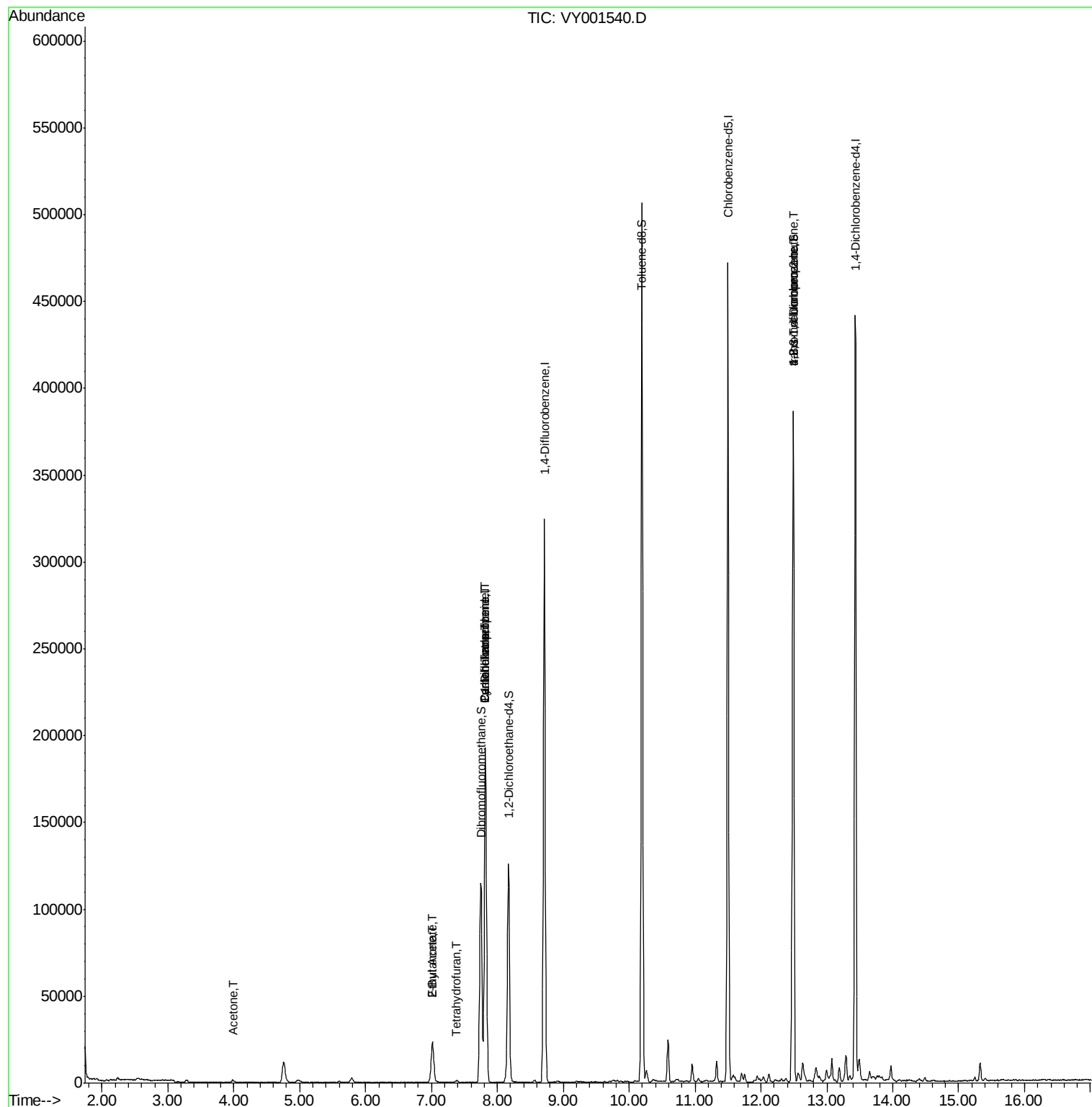
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	1683	Below Cal	#	76
16) Acetone	3.99	43	2561	5.818	ug/l #	76
25) 2-Butanone	7.02	43	1975	3.458	ug/l #	71
29) Tetrahydrofuran	7.38	42	849	2.480	ug/l #	64
31) Cyclohexane	7.82	56	3362	1.135	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	12135	4.782	ug/l #	49
37) Ethyl Acetate	7.02	43	1975	1.608	ug/l #	43
38) Carbon Tetrachloride	7.82	117	15075	6.139	ug/l #	18
76) 1,2,3-Trichloropropane	12.49	75	60348	50.948	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	60348	98.582	ug/l #	16

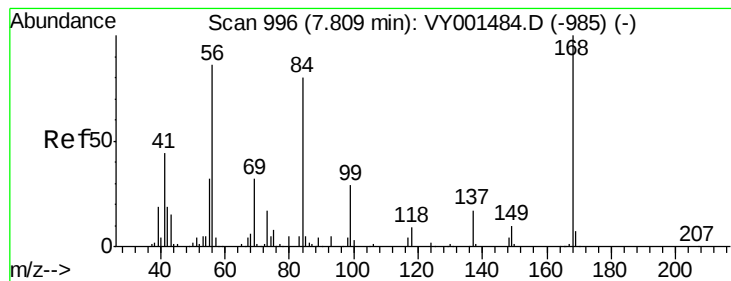
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001540.D

Acq: 06 Feb 2020 18:47

Instrument :

MSVOA_Y

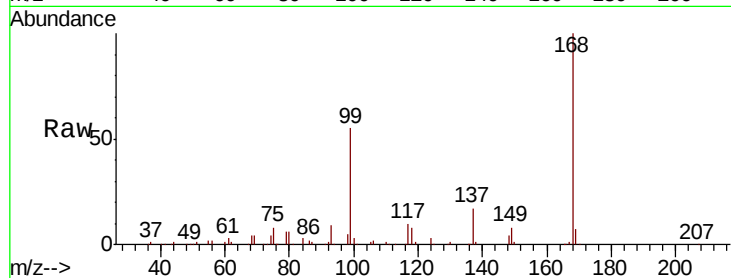
ClientSampleId :

Tot Ion:168 Resp: 151137

Ion Ratio Lower Upper

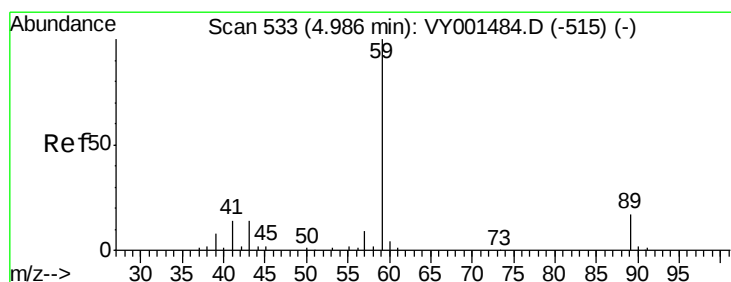
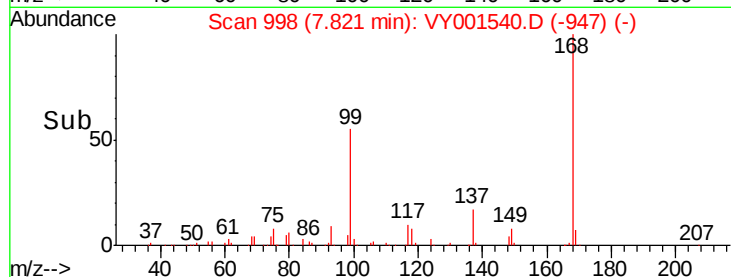
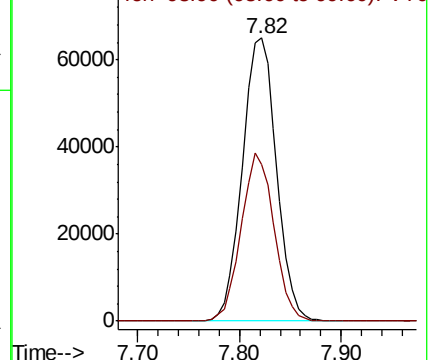
168 100

99 55.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001540.D

Ion 98.90 (98.60 to 99.60): VY001540.D



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001540.D

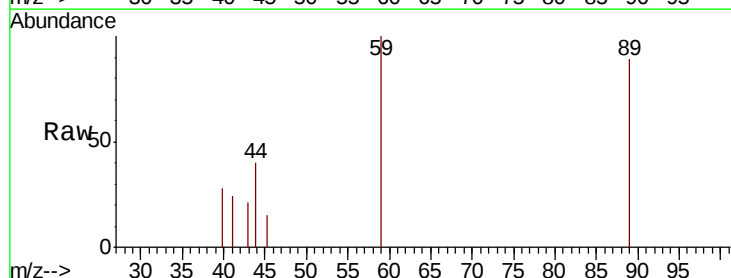
Acq: 06 Feb 2020 18:47

Tgt Ion: 59 Resp: 1683

Ion Ratio Lower Upper

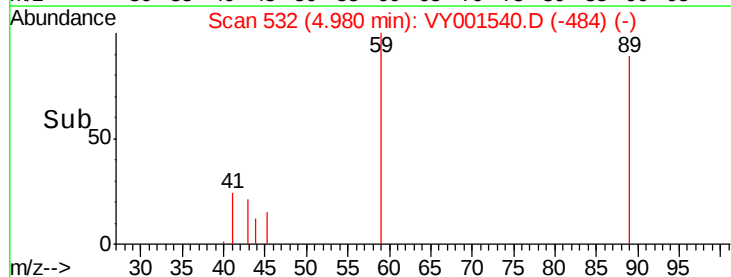
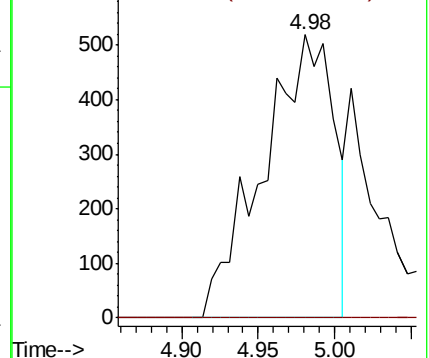
59 100

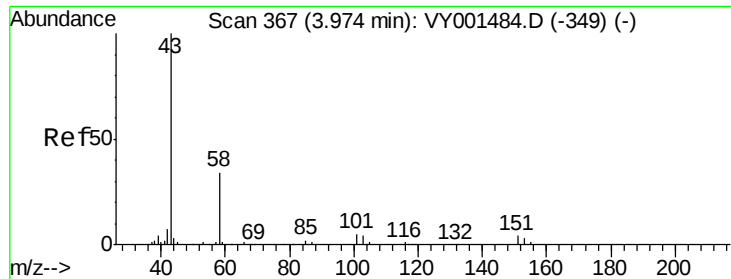
57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001540.D

Ion 57.00 (56.70 to 57.70): VY001540.D





#16

Acetone

Concen: 5.818 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.02 min

Lab File: VY001540.D

Acq: 06 Feb 2020 18:47

Instrument :

MSVOA_Y

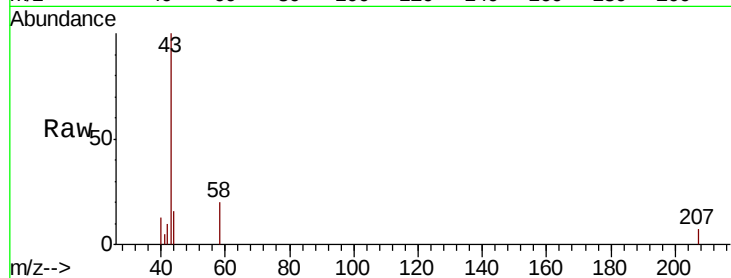
ClientSampleId :

Tot Ion: 43 Resp: 2561

Ion Ratio Lower Upper

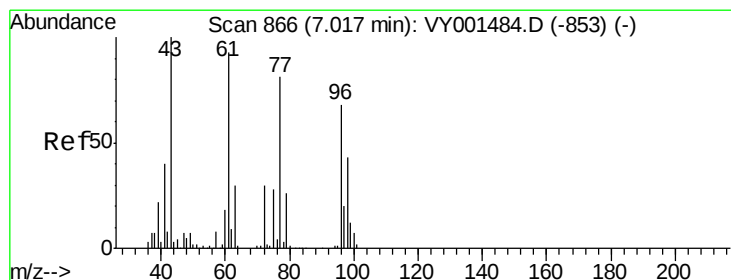
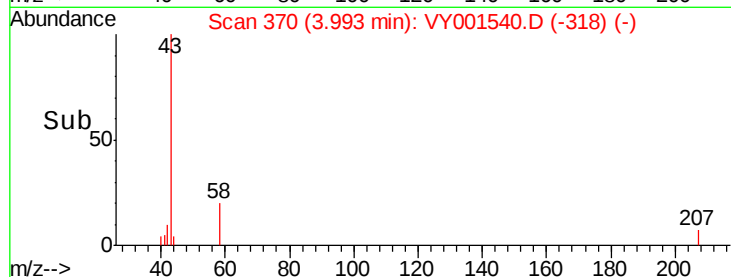
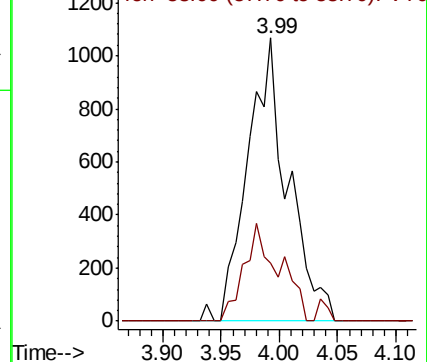
43 100

58 20.3 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#25

2-Butanone

Concen: 3.458 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001540.D

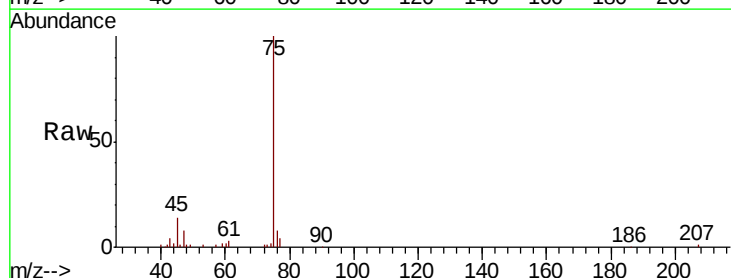
Acq: 06 Feb 2020 18:47

Tgt Ion: 43 Resp: 1975

Ion Ratio Lower Upper

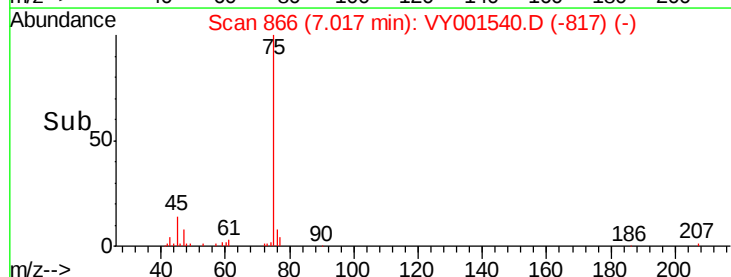
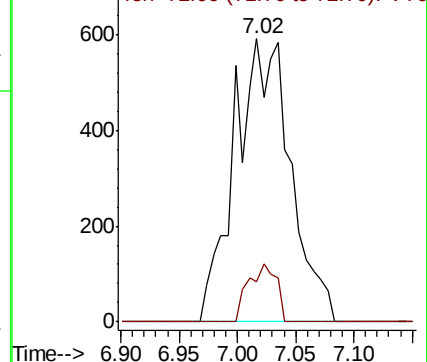
43 100

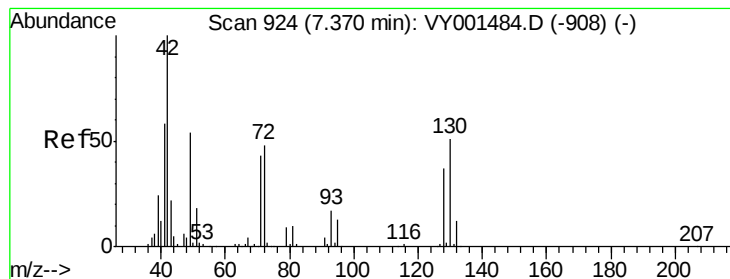
72 14.2 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#29

Tetrahydrofuran

Concen: 2.480 ug/l

RT: 7.38 min Scan# 926

Delta R.T. 0.01 min

Lab File: VY001540.D

Acq: 06 Feb 2020 18:47

Instrument :
MSVOA_Y
ClientSampleId :

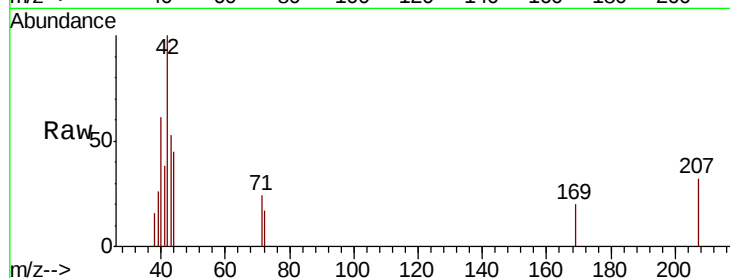
Tot Ion: 42 Resp: 849

Ion Ratio Lower Upper

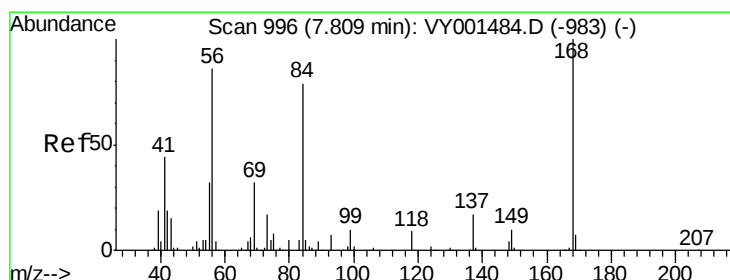
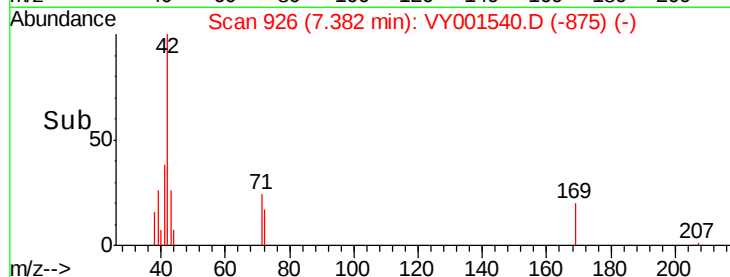
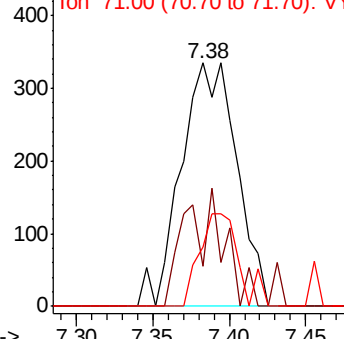
42 100

72 17.1 37.8 56.6#

71 26.6 34.8 52.2#



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: 1.135 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001540.D

Acq: 06 Feb 2020 18:47

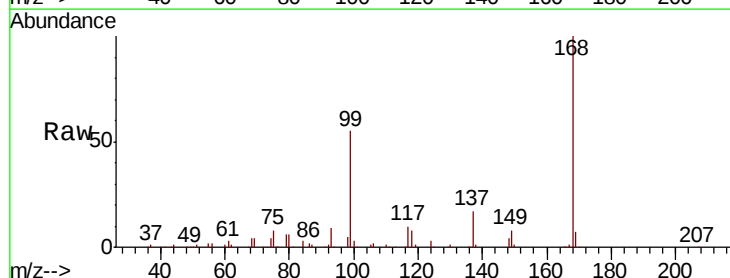
Tgt Ion: 56 Resp: 3362

Ion Ratio Lower Upper

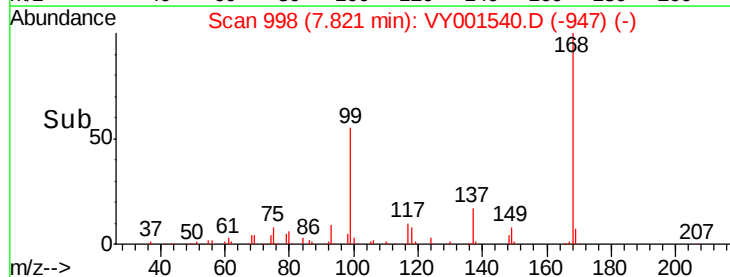
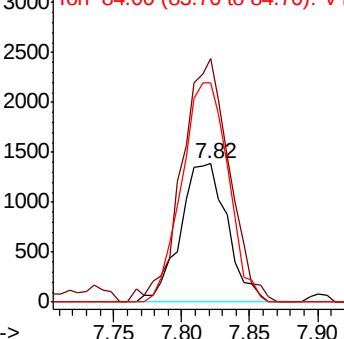
56 100

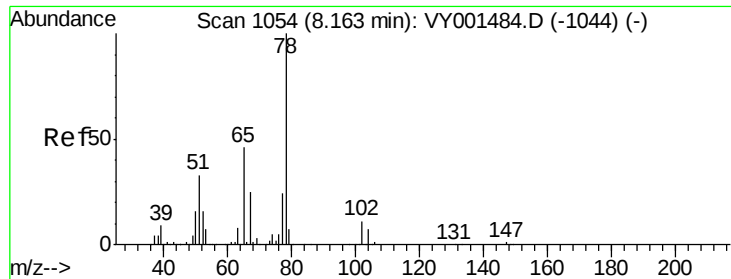
69 176.4 29.6 44.4#

84 159.1 73.6 110.4#



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: 60.246 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY001540.D

Acq: 06 Feb 2020 18:47

Instrument :

MSVOA_Y

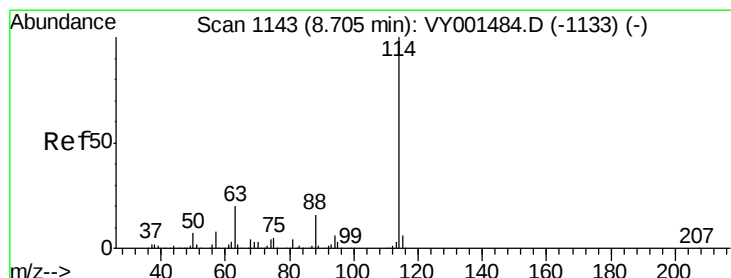
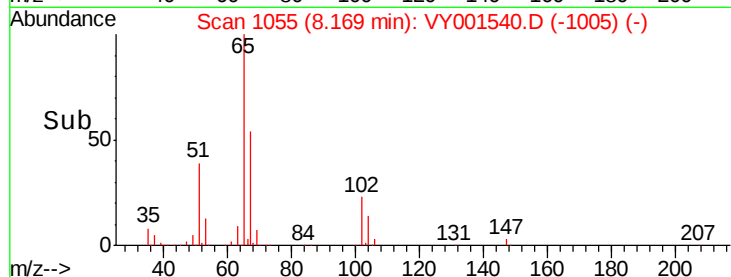
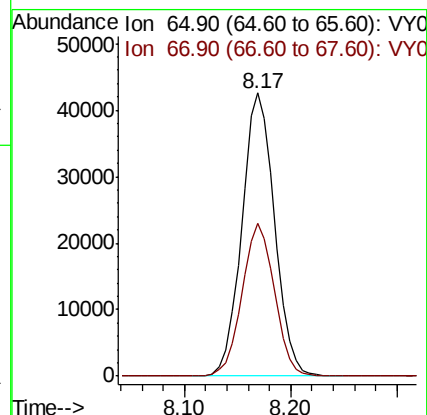
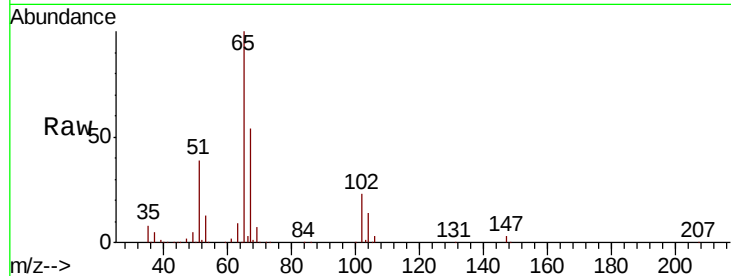
ClientSampleId :

Tot Ion: 65 Resp: 91678

Ion Ratio Lower Upper

65 100

67 53.4 0.0 108.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VY001540.D

Acq: 06 Feb 2020 18:47

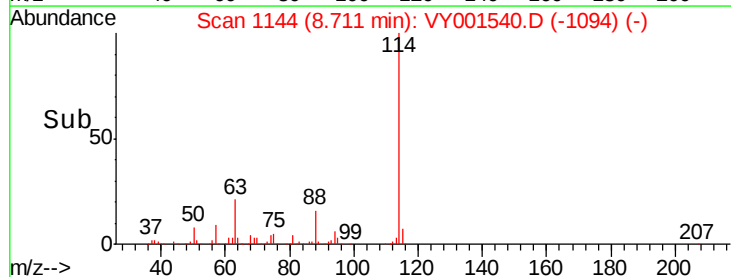
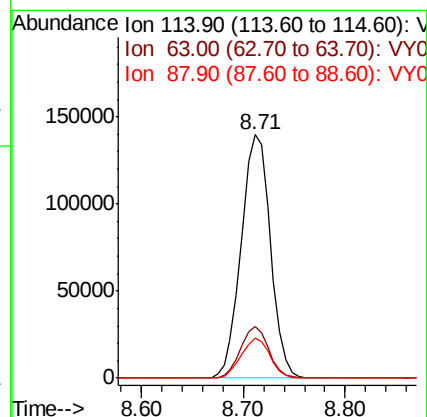
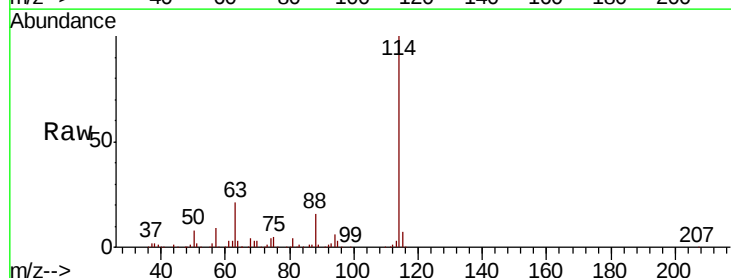
Tgt Ion: 114 Resp: 277423

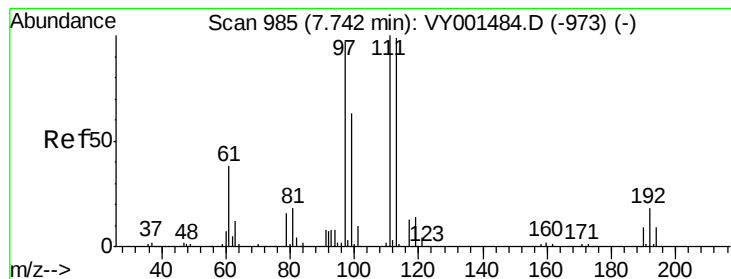
Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.8

88 16.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.078 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY001540.D

Acq: 06 Feb 2020 18:47

Instrument :

MSVOA_Y

ClientSampleId :

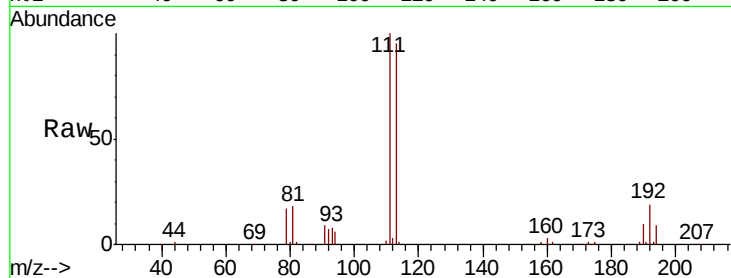
Tot Ion:113 Resp: 83312

Ion Ratio Lower Upper

113 100

111 103.3 82.9 124.3

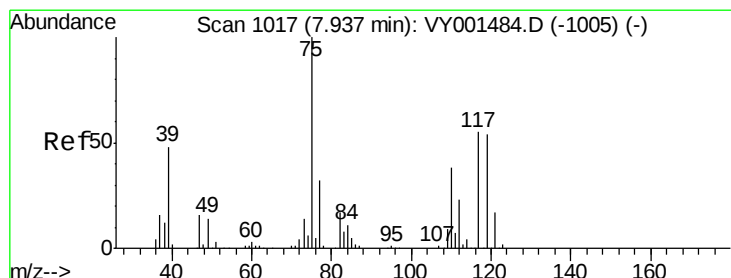
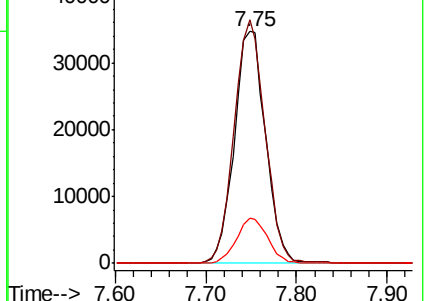
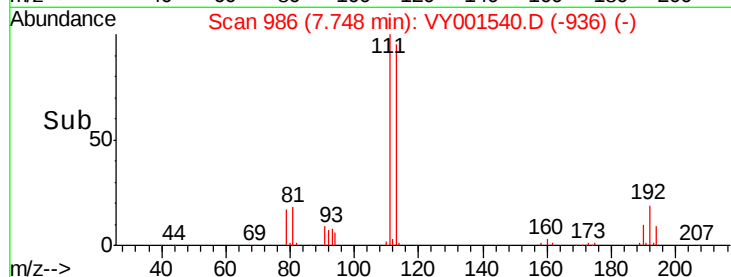
192 19.4 14.6 22.0



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: 4.782 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.12 min

Lab File: VY001540.D

Acq: 06 Feb 2020 18:47

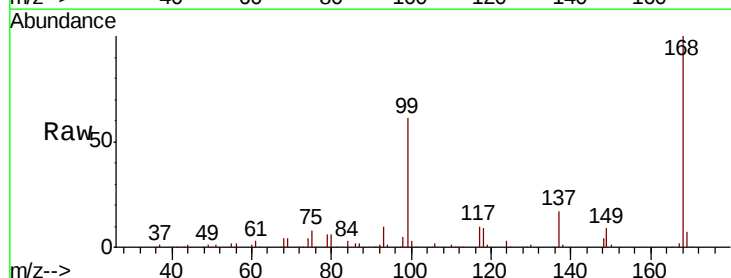
Tgt Ion: 75 Resp: 12135

Ion Ratio Lower Upper

75 100

110 8.7 18.2 54.6#

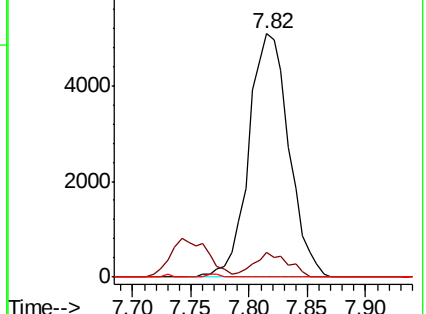
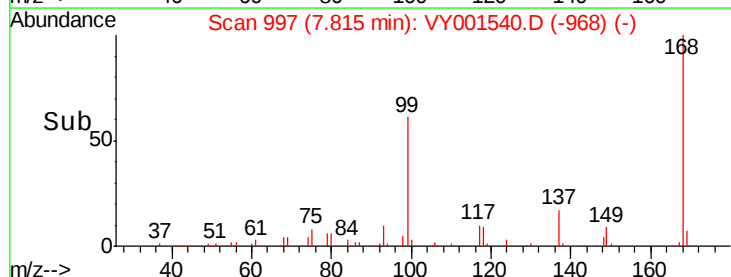
77 0.0 25.0 37.4#

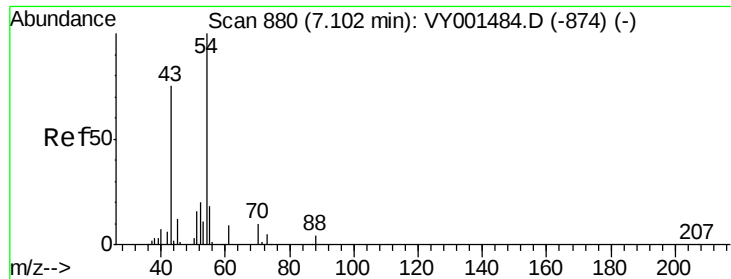


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

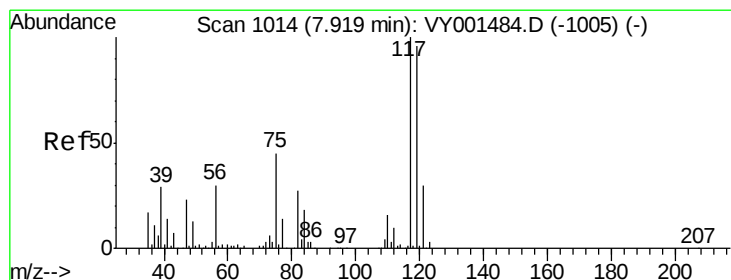
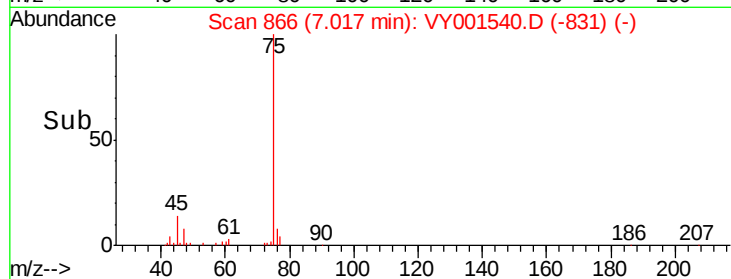
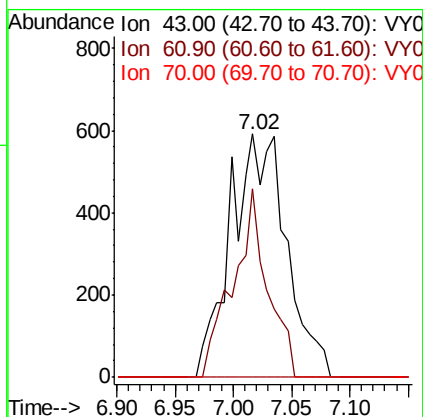
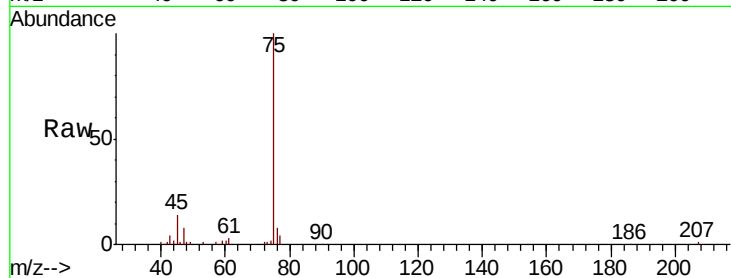




#37
Ethyl Acetate
Concen: 1.608 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.09 min
Lab File: VY001540.D
Acq: 06 Feb 2020 18:47

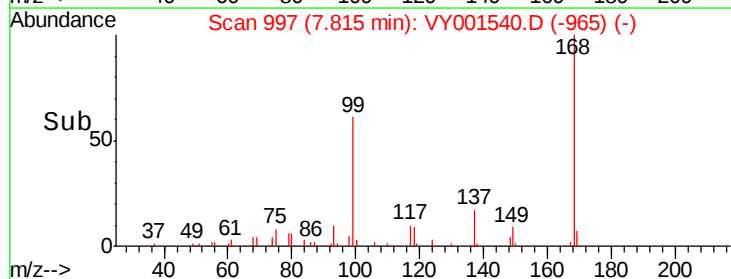
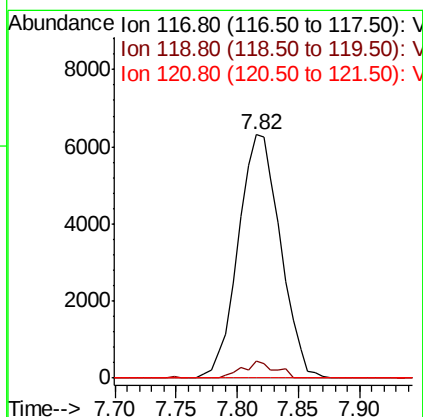
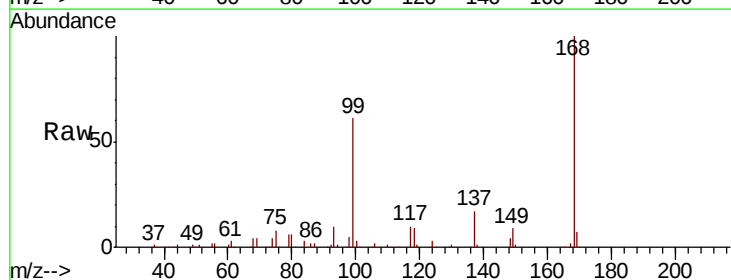
Instrument :
MSVOA_Y
ClientSampleId :

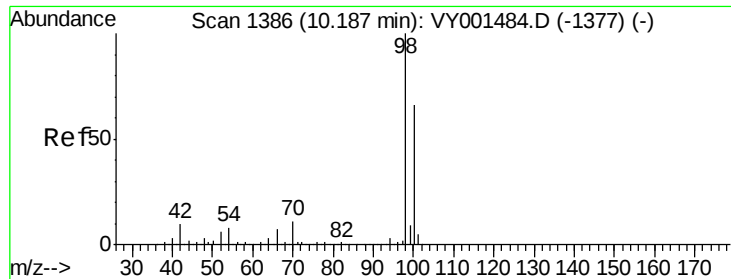
Tot Ion: 43 Resp: 1975
Ion Ratio Lower Upper
43 100
61 47.7 12.0 18.0#
70 0.0 10.2 15.4#



#38
Carbon Tetrachloride
Concen: 6.139 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.10 min
Lab File: VY001540.D
Acq: 06 Feb 2020 18:47

Tgt Ion: 117 Resp: 15075
Ion Ratio Lower Upper
117 100
119 7.1 76.4 114.6#
121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 54.147 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001540.D

Acq: 06 Feb 2020 18:47

Instrument :

MSVOA_Y

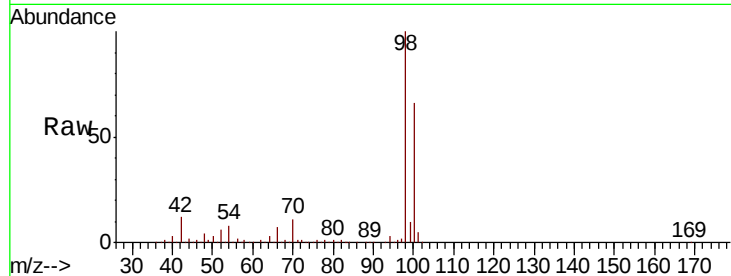
ClientSampleId :

Tot Ion: 98 Resp: 327730

Ion Ratio Lower Upper

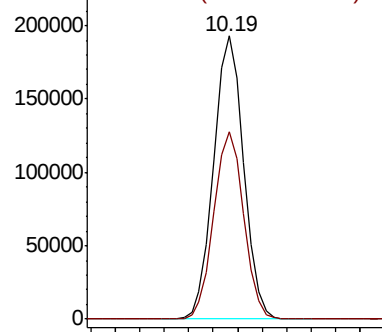
98 100

100 66.0 53.0 79.6

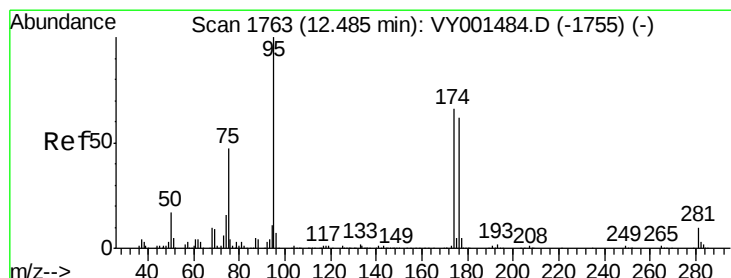
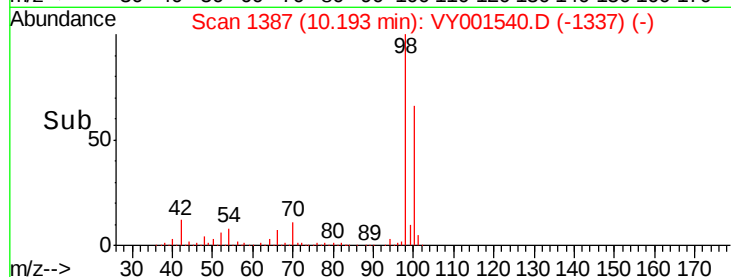


Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



Time-->



#62

4-Bromofluorobenzene

Concen: 49.153 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001540.D

Acq: 06 Feb 2020 18:47

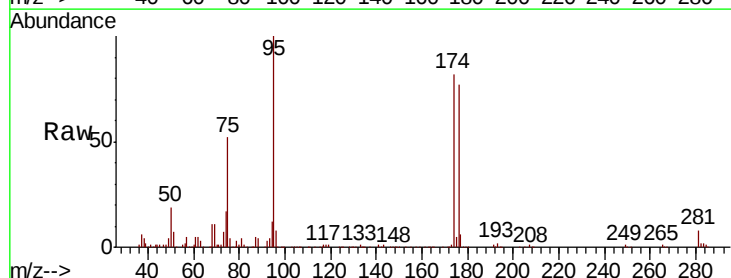
Tgt Ion: 95 Resp: 117199

Ion Ratio Lower Upper

95 100

174 76.7 0.0 141.4

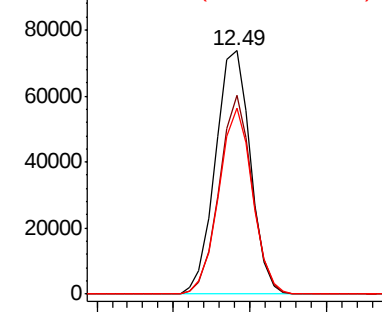
176 73.7 0.0 135.4



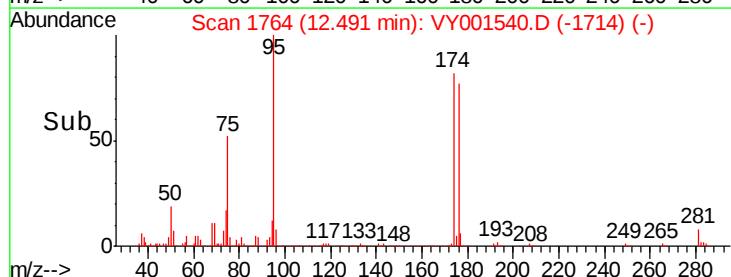
Abundance Ion 94.90 (94.60 to 95.60): VY0

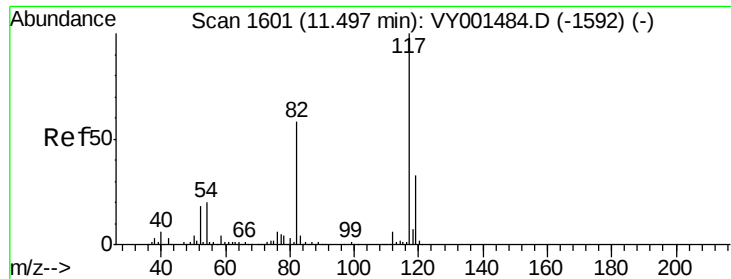
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

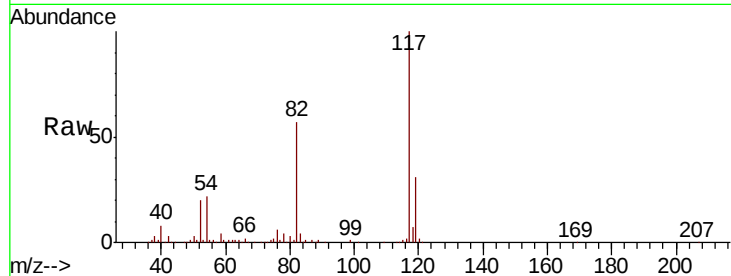




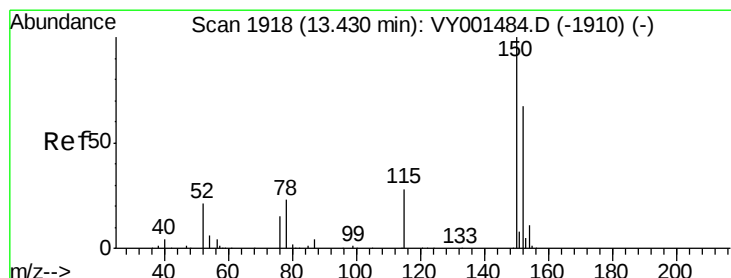
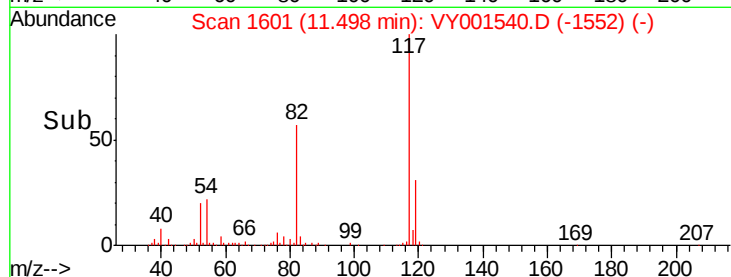
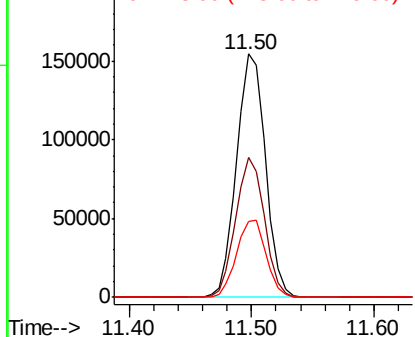
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001540.D
Acq: 06 Feb 2020 18:47

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 253192
Ion Ratio Lower Upper
117 100
82 57.2 46.1 69.1
119 31.1 26.1 39.1

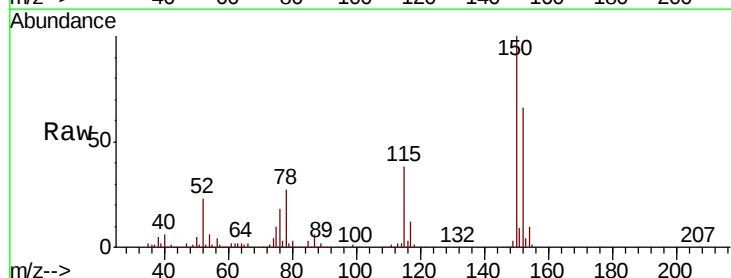


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

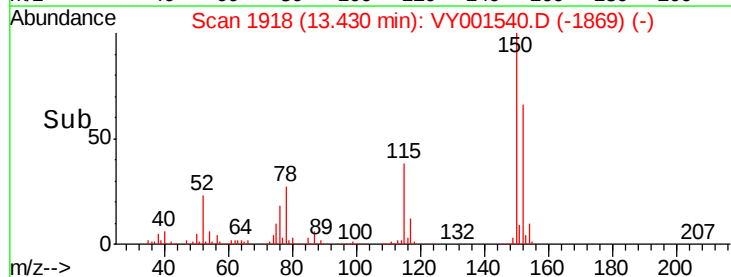
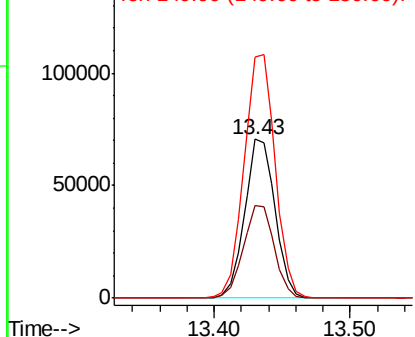


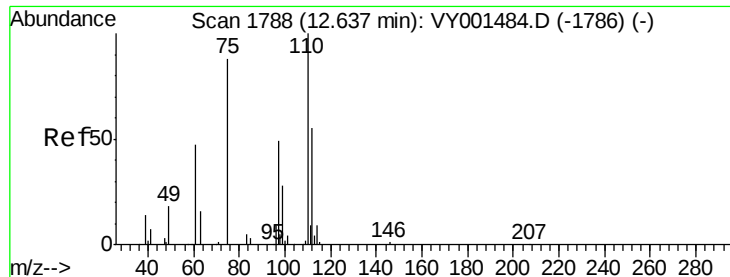
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY001540.D
Acq: 06 Feb 2020 18:47

Tgt Ion:152 Resp: 110145
Ion Ratio Lower Upper
152 100
115 58.7 31.4 94.3
150 156.9 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



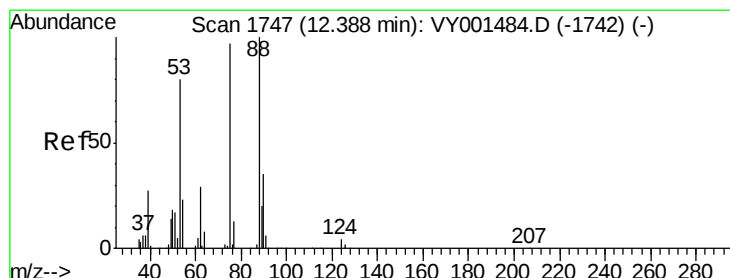
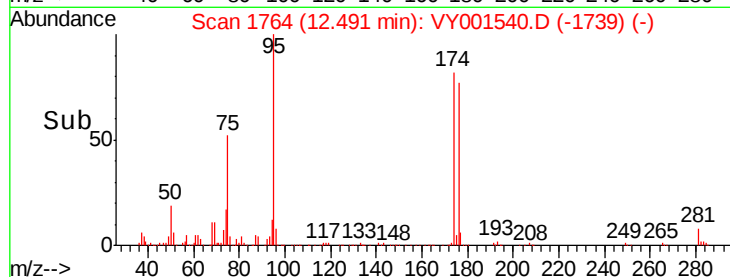
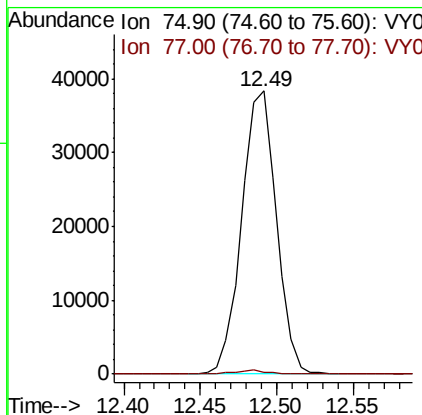
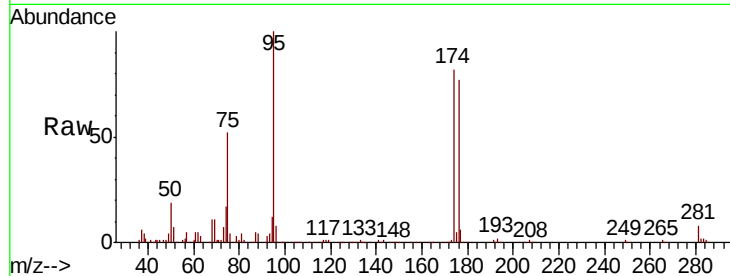


#76

1,2,3-Trichloropropane
Concen: 50.948 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.15 min
Lab File: VY001540.D
Acq: 06 Feb 2020 18:47

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 75 Resp: 60348
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 98.582 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.10 min
Lab File: VY001540.D
Acq: 06 Feb 2020 18:47

Tgt Ion: 75 Resp: 60348
Ion Ratio Lower Upper
75 100
53 1.1 67.7 101.5#
89 0.1 34.6 52.0#

