

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021020\
 Data File : VY001587.D
 Acq On : 10 Feb 2020 15:48
 Operator : SY/MD
 Sample : L1452-01RE
 Misc : 4.99G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 11 05:59:12 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	164634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	289794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	219775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	63828	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	91798	55.38	ug/l	0.00
Spiked Amount			Recovery	=	110.76%	
35) Dibromofluoromethane	7.74	113	84111	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
50) Toluene-d8	10.19	98	332512	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.48	95	84848	34.07	ug/l	0.00
Spiked Amount			Recovery	=	68.14%	

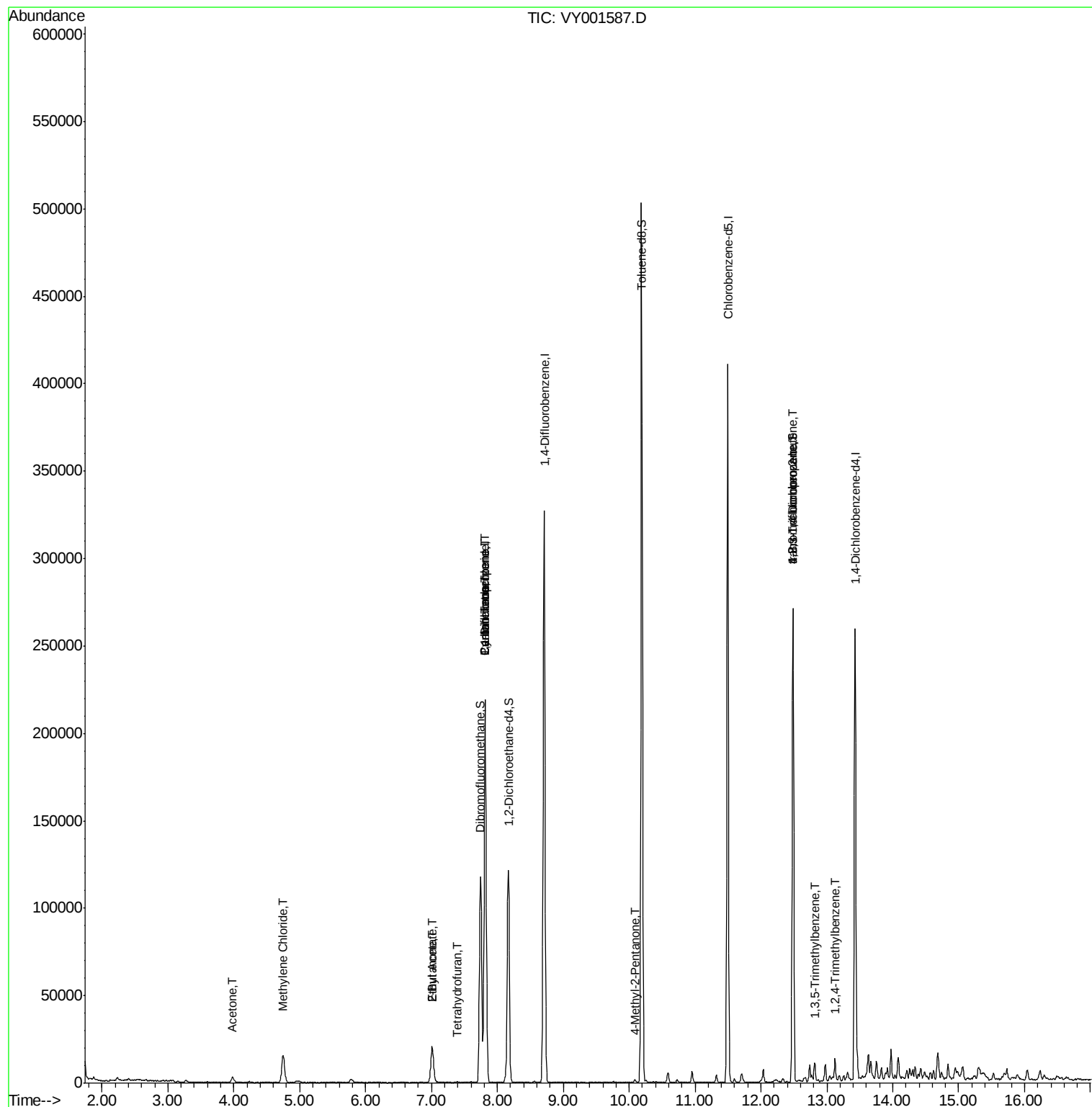
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	777	Below Cal	#	76
16) Acetone	3.98	43	5170	10.782	ug/l	95
20) Methylene Chloride	4.75	84	11960	1.816	ug/l	94
25) 2-Butanone	7.01	43	2630	4.228	ug/l #	75
29) Tetrahydrofuran	7.39	42	431	1.156	ug/l #	47
31) Cyclohexane	7.82	56	3656	1.133	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	13212	4.984	ug/l #	49
37) Ethyl Acetate	7.01	43	2630	2.049	ug/l #	60
38) Carbon Tetrachloride	7.82	117	16121	6.285	ug/l #	15
51) 4-Methyl-2-Pentanone	10.08	43	1332	1.064	ug/l #	78
76) 1,2,3-Trichloropropane	12.48	75	42323	61.659	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	4140	1.010	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.48	75	42323	119.307	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.12	105	6924	1.706	ug/l	96

(#) = 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# 997

Delta R.T. 0.01 min

Lab File: VY001587.D

Acq: 10 Feb 2020 15:48

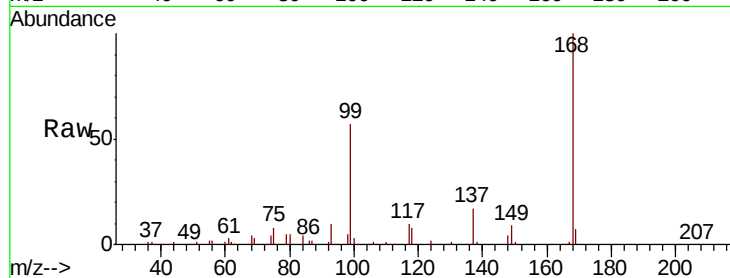
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 164634

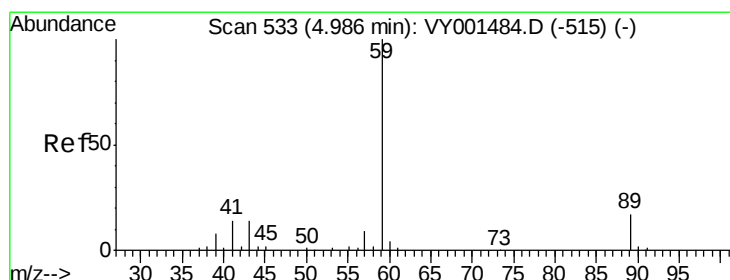
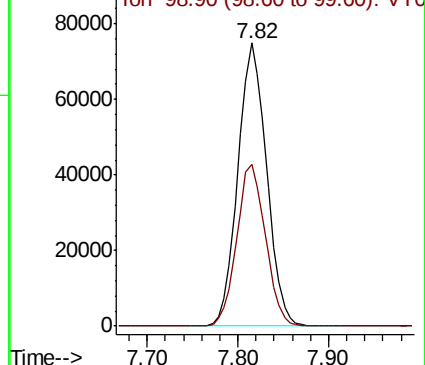
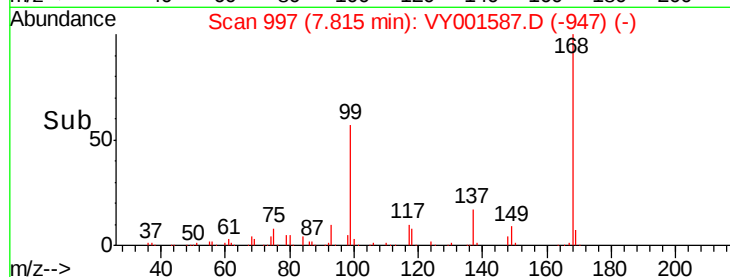
Ion Ratio Lower Upper

168 100

99 57.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001587.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. 0.00 min

Lab File: VY001587.D

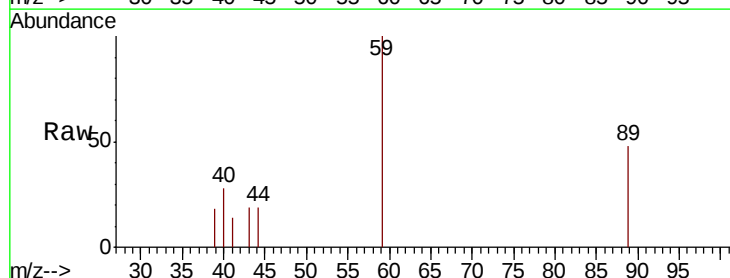
Acq: 10 Feb 2020 15:48

Tgt Ion: 59 Resp: 777

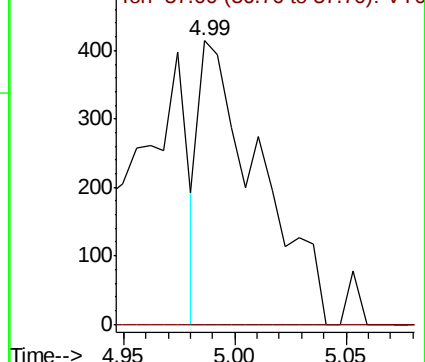
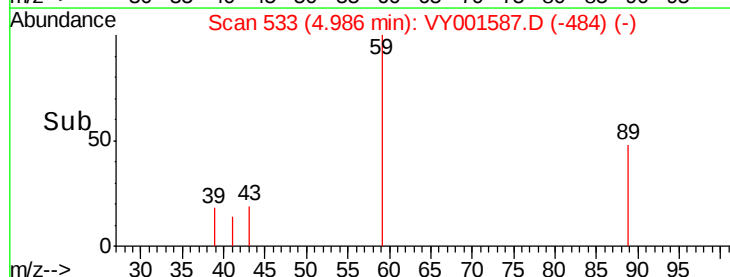
Ion Ratio Lower Upper

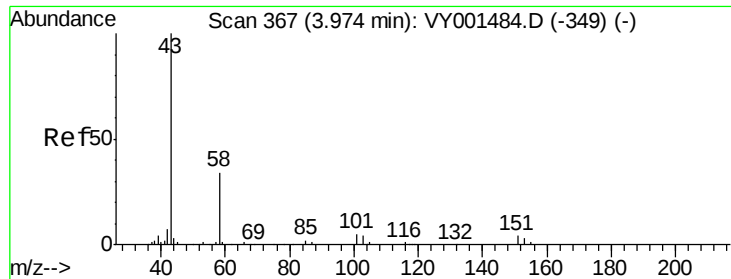
59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001587.D (-484) (-)

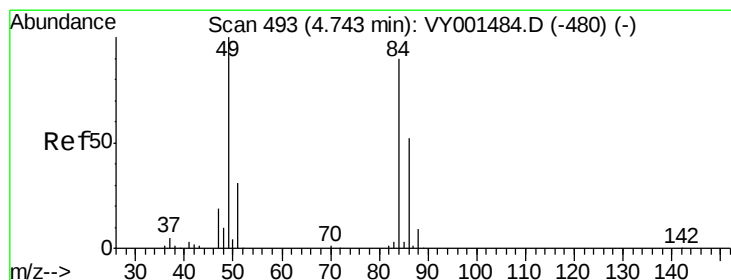
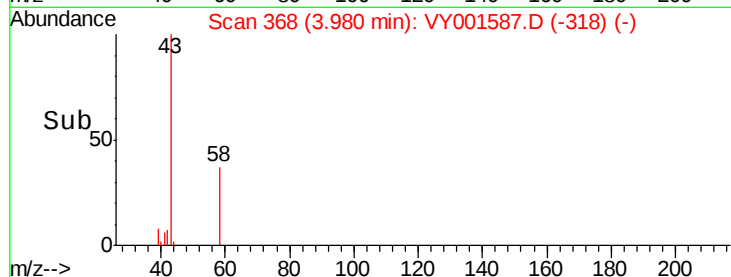
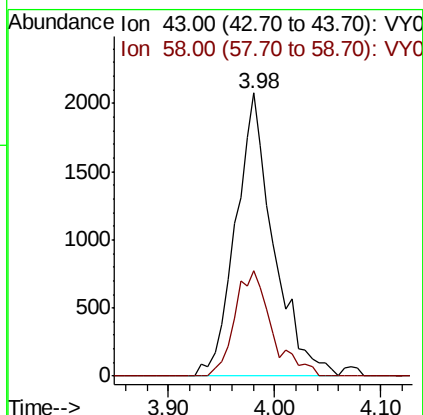
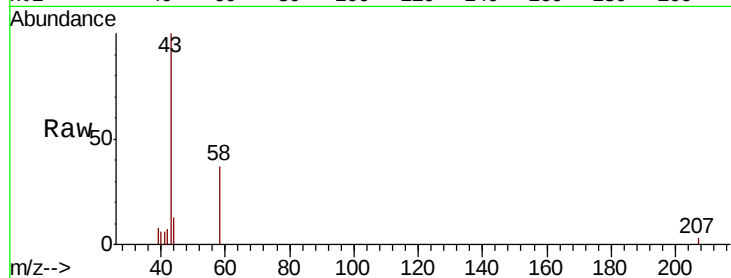




#16
Acetone
Concen: 10.782 ug/l
RT: 3.98 min Scan# 368
Delta R.T. 0.01 min
Lab File: VY001587.D
Acq: 10 Feb 2020 15:48

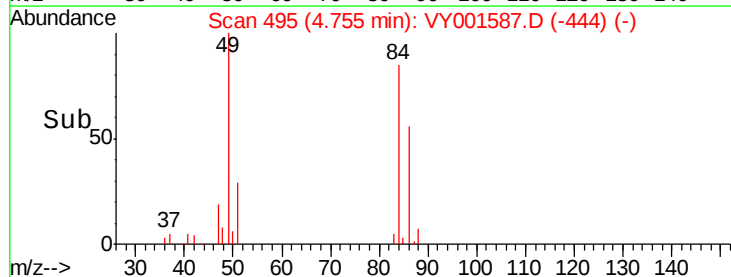
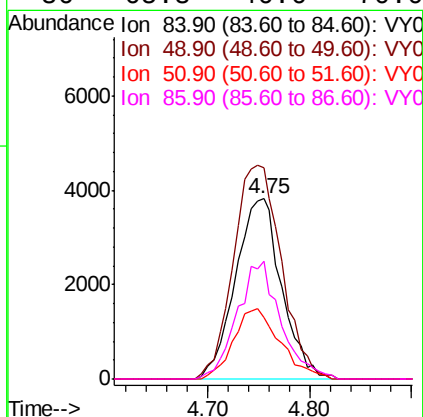
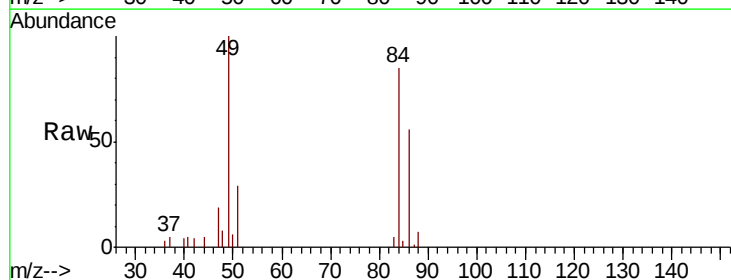
Instrument :
MSVOA_Y
ClientSampleId :

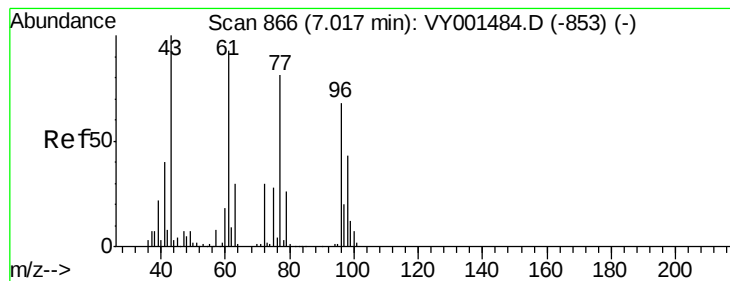
Tot Ion: 43 Resp: 5170
Ion Ratio Lower Upper
43 100
58 37.1 27.5 41.3



#20
Methylene Chloride
Concen: 1.816 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.01 min
Lab File: VY001587.D
Acq: 10 Feb 2020 15:48

Tgt Ion: 84 Resp: 11960
Ion Ratio Lower Upper
84 100
49 117.4 89.0 133.6
51 34.5 27.4 41.2
86 65.8 46.6 70.0





#25

2-Butanone

Concen: 4.228 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001587.D

Acq: 10 Feb 2020 15:48

Instrument :

MSVOA_Y

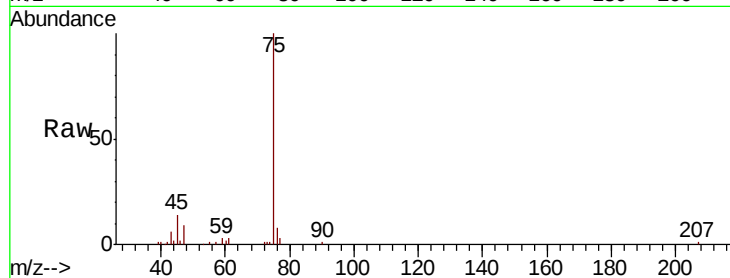
ClientSampleId :

Tot Ion: 43 Resp: 2630

Ion Ratio Lower Upper

43 100

72 16.3 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.01

800

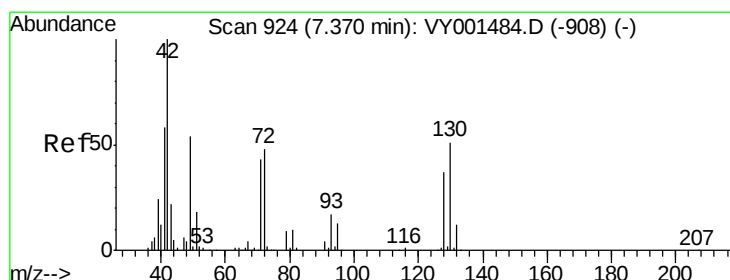
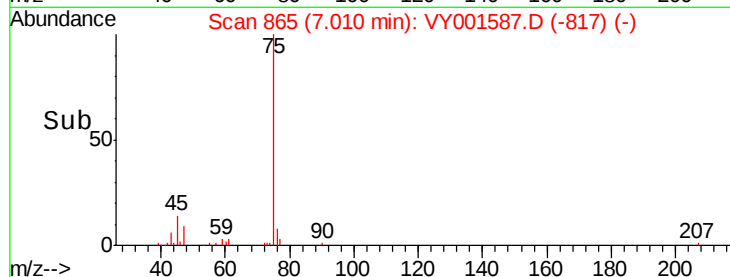
600

400

200

0

Time-->



#29

Tetrahydrofuran

Concen: 1.156 ug/l

RT: 7.39 min Scan# 927

Delta R.T. 0.02 min

Lab File: VY001587.D

Acq: 10 Feb 2020 15:48

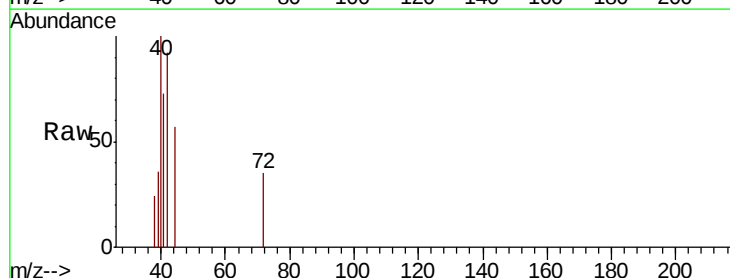
Tgt Ion: 42 Resp: 431

Ion Ratio Lower Upper

42 100

72 7.0 37.8 56.6#

71 14.6 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

7.39

300

250

200

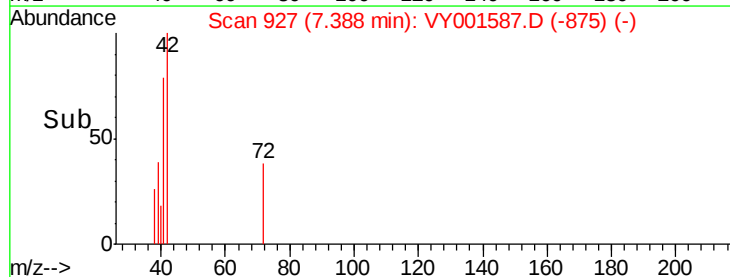
150

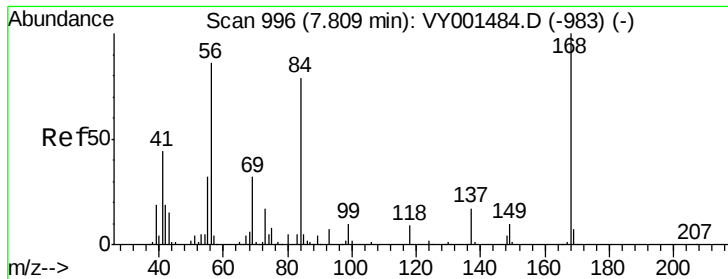
100

50

0

Time-->

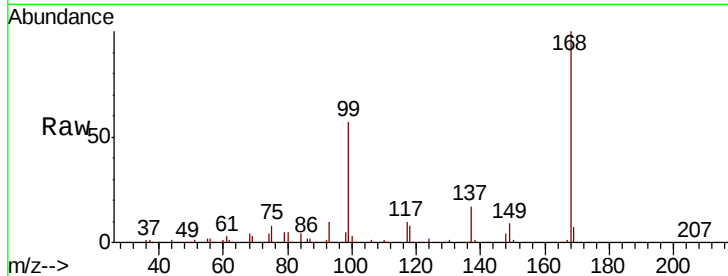




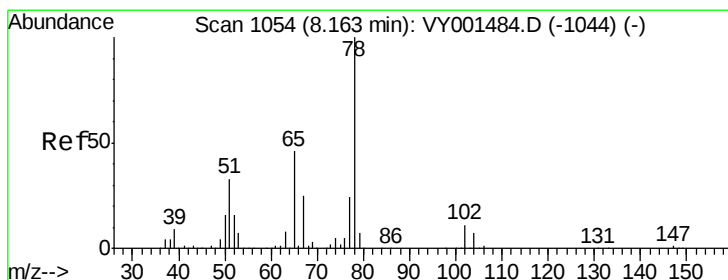
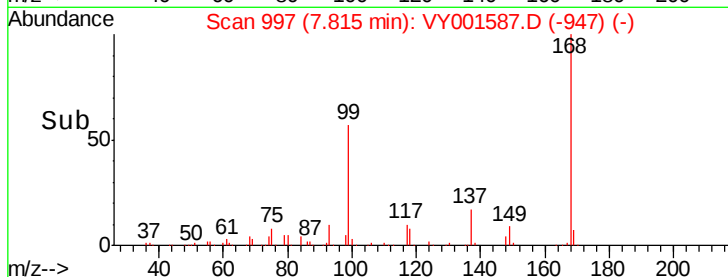
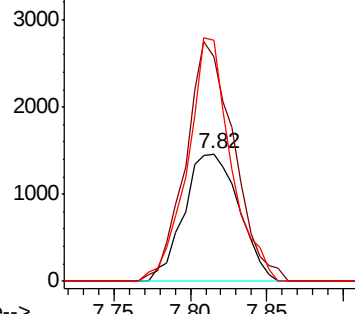
#31
Cyclohexane
Concen: 1.133 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY001587.D
Acq: 10 Feb 2020 15:48

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 3656
Ion Ratio Lower Upper
56 100
69 176.3 29.6 44.4#
84 188.7 73.6 110.4#

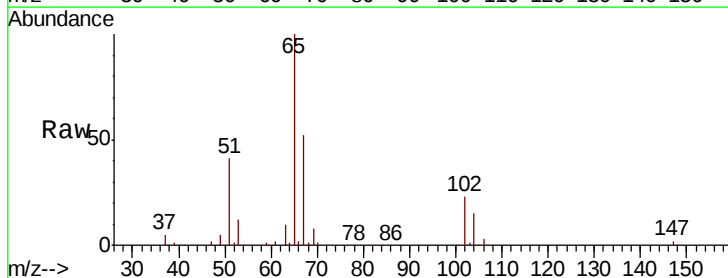


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

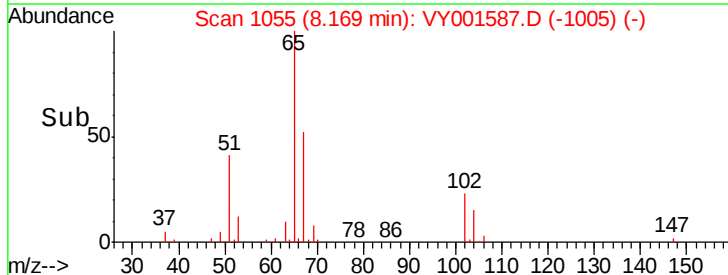
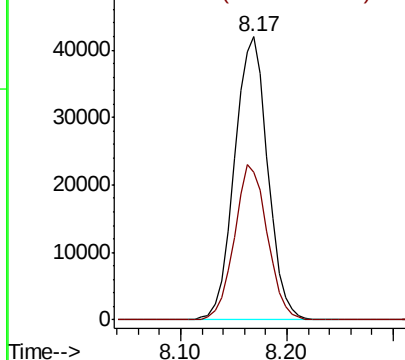


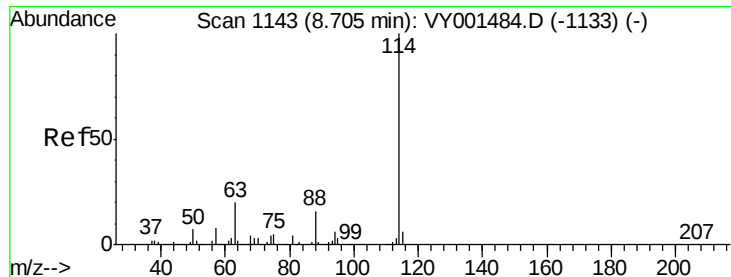
#33
1,2-Dichloroethane-d4
Concen: 55.379 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VY001587.D
Acq: 10 Feb 2020 15:48

Tgt Ion: 65 Resp: 91798
Ion Ratio Lower Upper
65 100
67 54.4 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

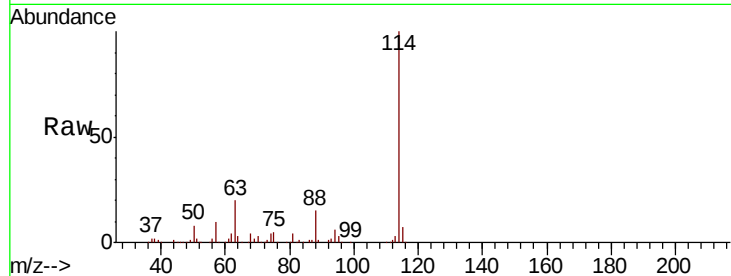




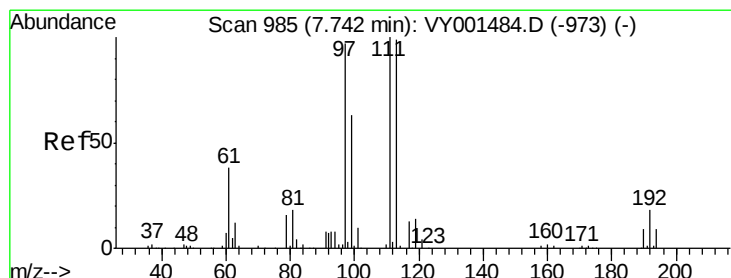
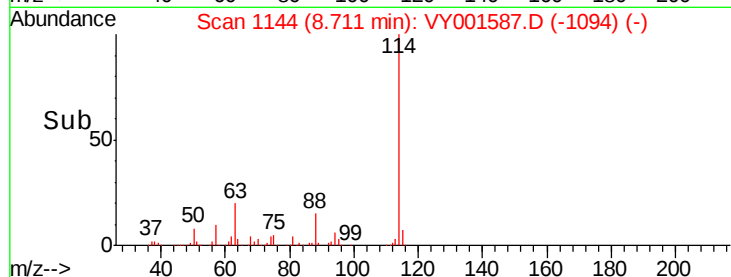
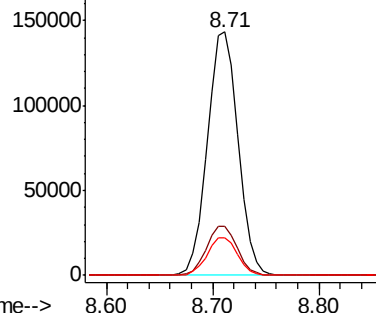
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001587.D
 Acq: 10 Feb 2020 15:48

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	39.8
88	15.4	0.0	32.6

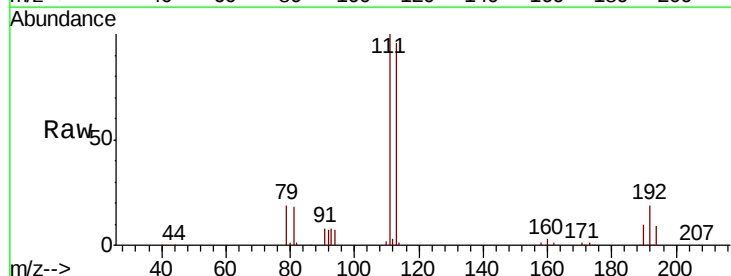


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

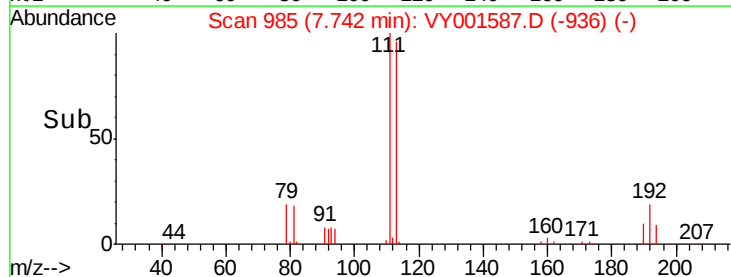
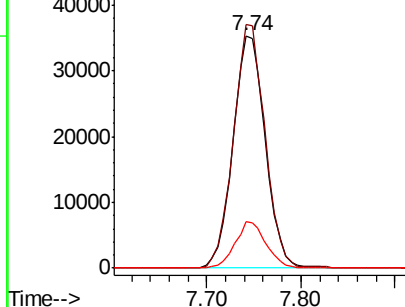


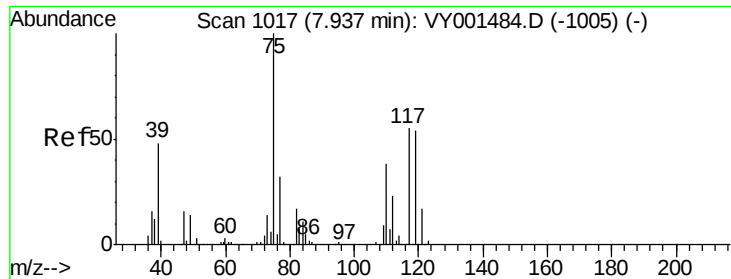
#35
 Dibromofluoromethane
 Concen: 50.333 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.00 min
 Lab File: VY001587.D
 Acq: 10 Feb 2020 15:48

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	18.9	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

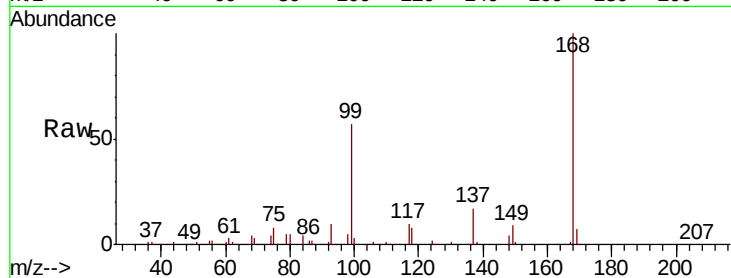




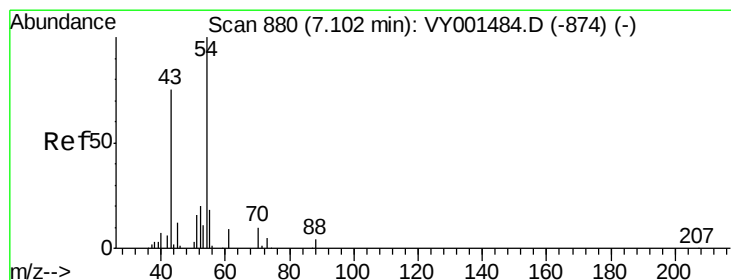
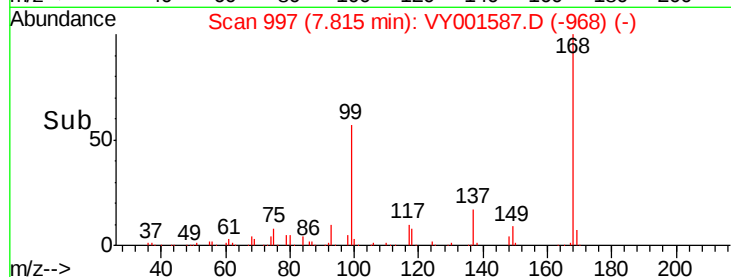
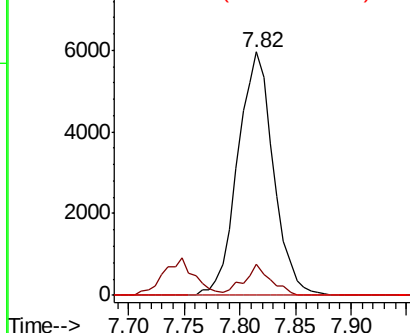
#36
 1,1-Dichloropropene
 Concen: 4.984 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY001587.D
 Acq: 10 Feb 2020 15:48

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.2	54.6#
77	0.0	25.0	37.4#

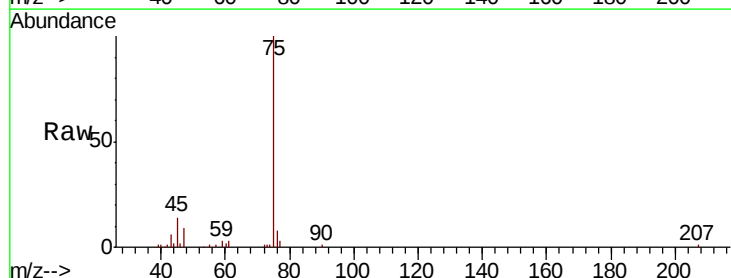


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

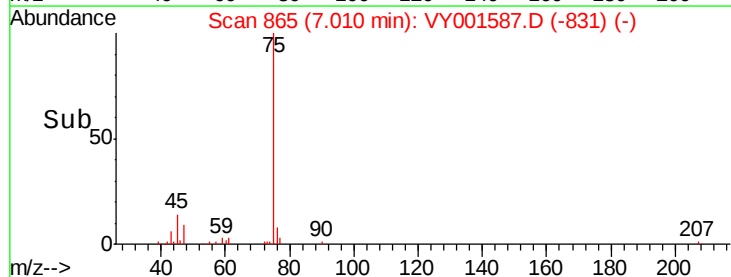
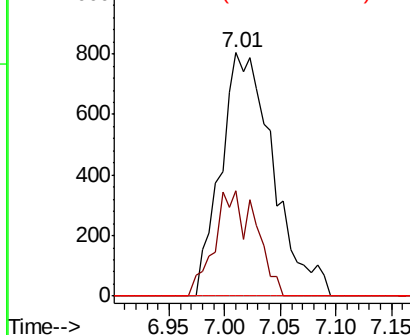


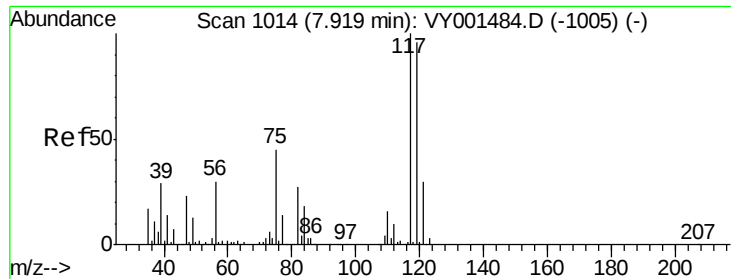
#37
 Ethyl Acetate
 Concen: 2.049 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.09 min
 Lab File: VY001587.D
 Acq: 10 Feb 2020 15:48

Tgt Ion	Ratio	Lower	Upper
43	100		
61	34.2	12.0	18.0#
70	0.0	10.2	15.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 70.00 (69.70 to 70.70): VY0





#38

Carbon Tetrachloride

Concen: 6.285 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.10 min

Lab File: VY001587.D

Acq: 10 Feb 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

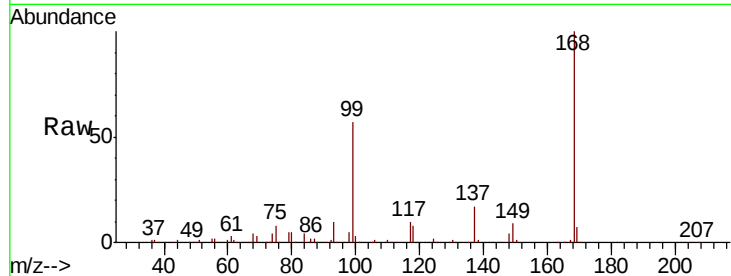
Tot Ion:117 Resp: 16121

Ion Ratio Lower Upper

117 100

119 3.4 76.4 114.6#

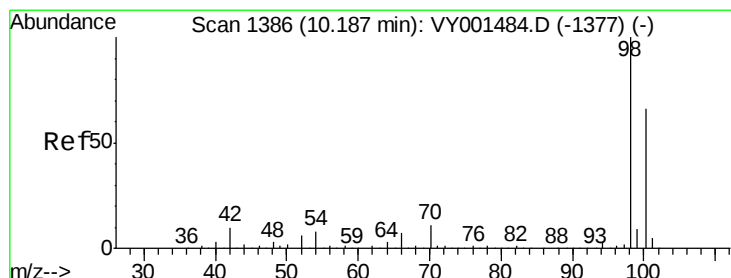
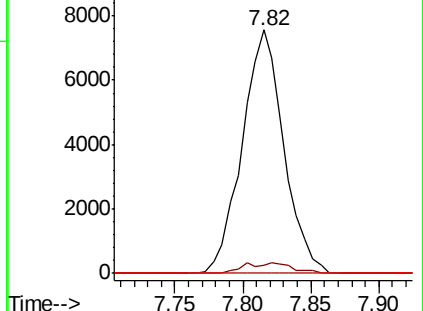
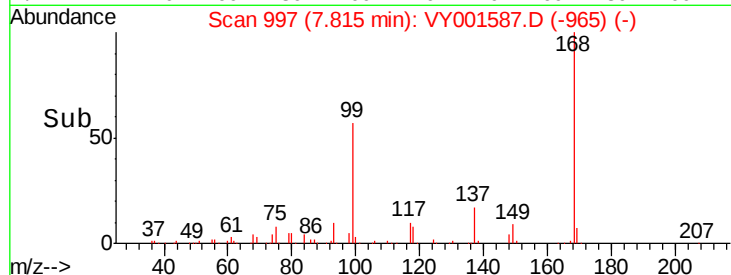
121 0.0 24.2 36.4#



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: 52.592 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001587.D

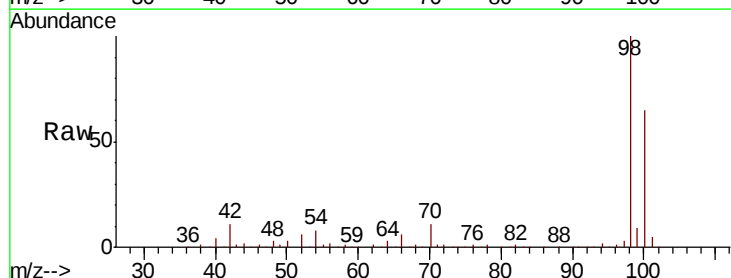
Acq: 10 Feb 2020 15:48

Tgt Ion: 98 Resp: 332512

Ion Ratio Lower Upper

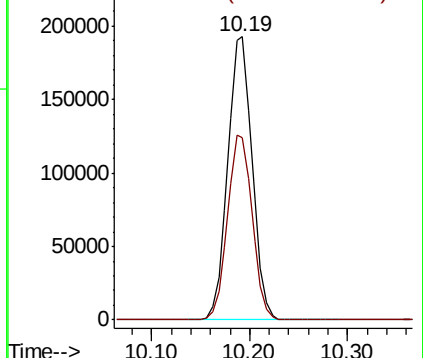
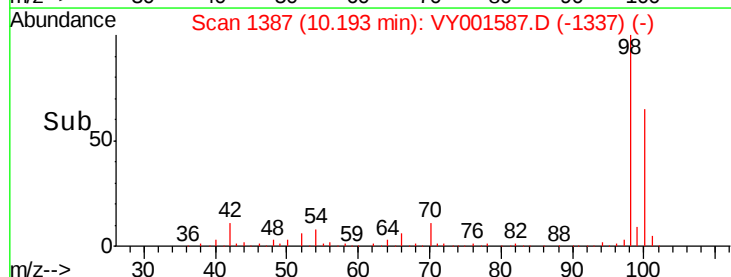
98 100

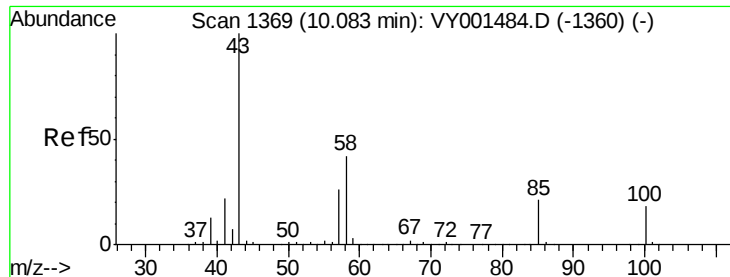
100 66.3 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

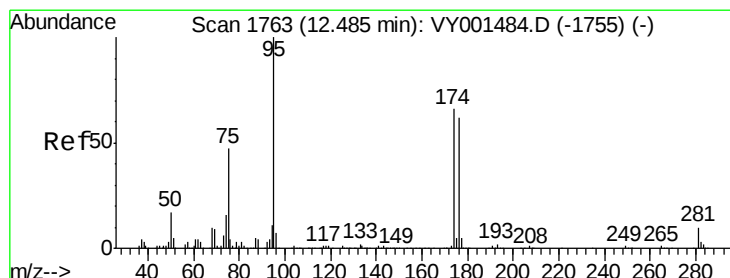
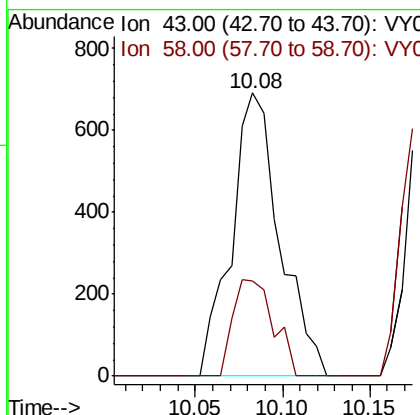
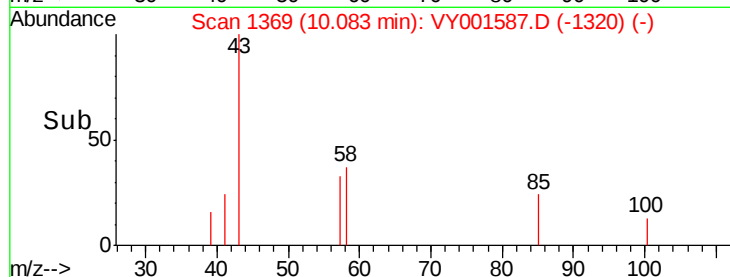
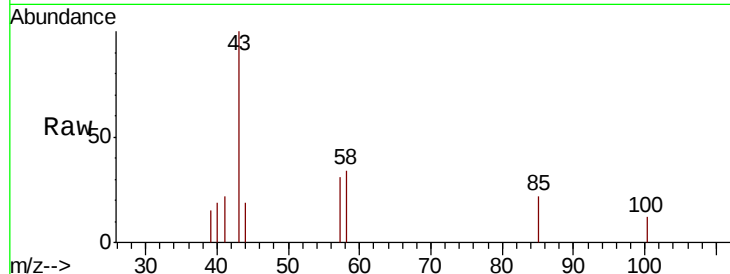




#51
4-Methyl-2-Pentanone
Concen: 1.064 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VY001587.D
Acq: 10 Feb 2020 15:48

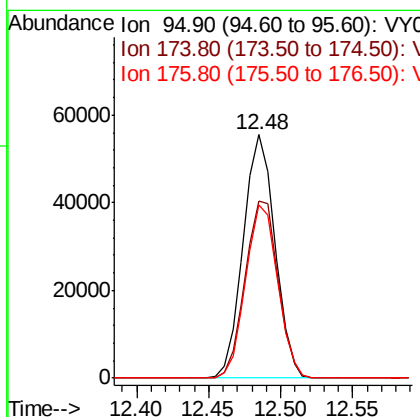
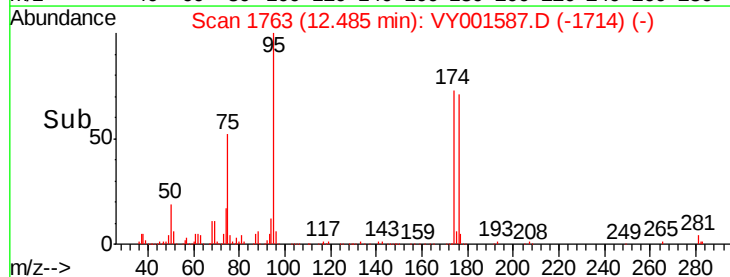
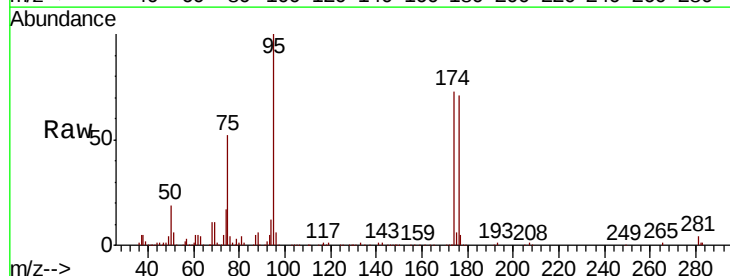
Instrument :
MSVOA_Y
ClientSampleId :

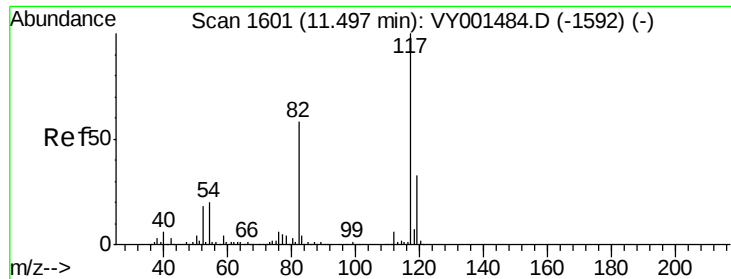
Tot Ion: 43 Resp: 1332
Ion Ratio Lower Upper
43 100
58 28.3 33.9 50.9#



#62
4-Bromofluorobenzene
Concen: 34.066 ug/l
RT: 12.48 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY001587.D
Acq: 10 Feb 2020 15:48

Tgt Ion: 95 Resp: 84848
Ion Ratio Lower Upper
95 100
174 75.1 0.0 141.4
176 71.5 0.0 135.4

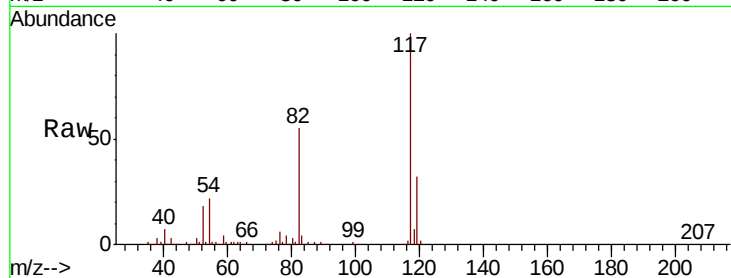




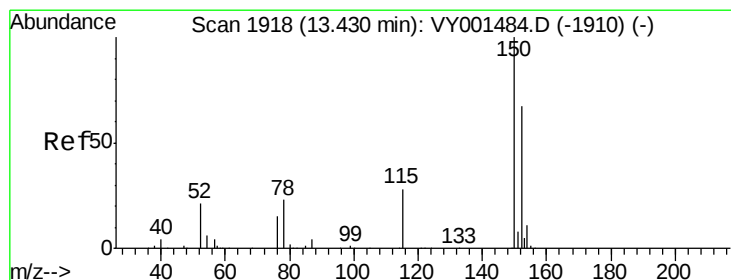
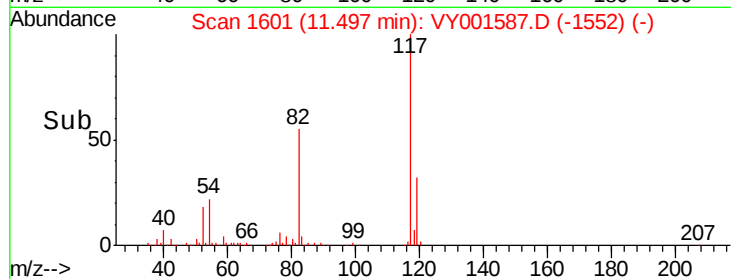
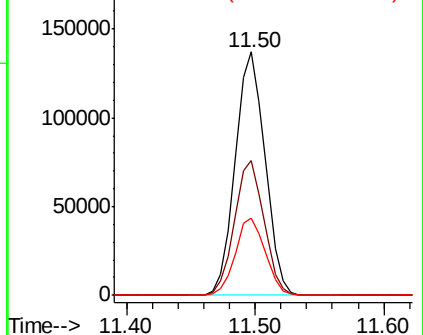
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY001587.D
Acq: 10 Feb 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.1	69.1
119	31.8	26.1	39.1

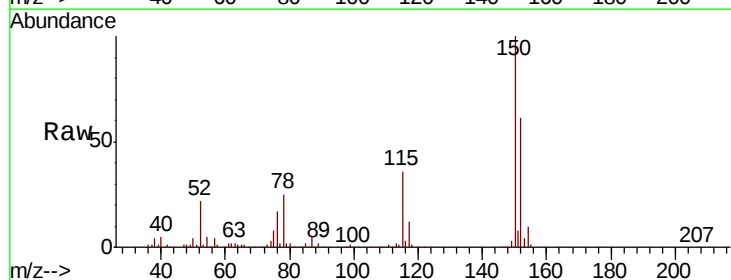


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

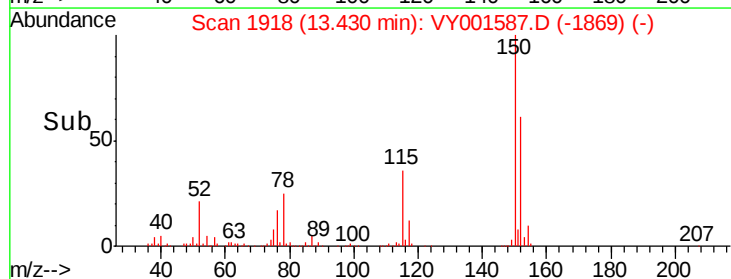
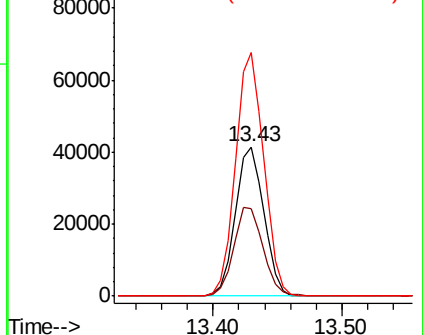


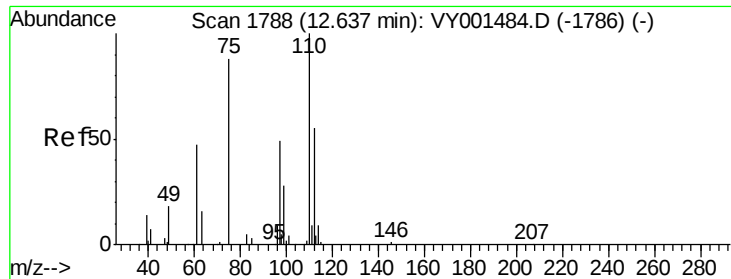
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY001587.D
Acq: 10 Feb 2020 15:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	31.4	94.3
150	161.0	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



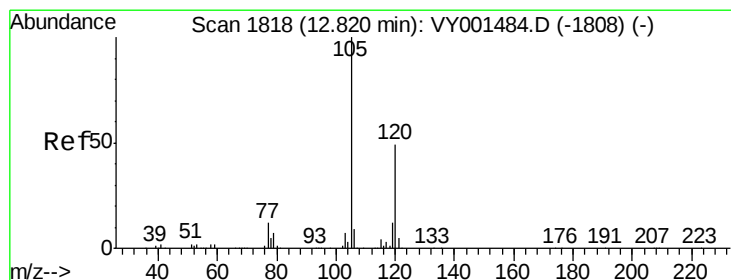
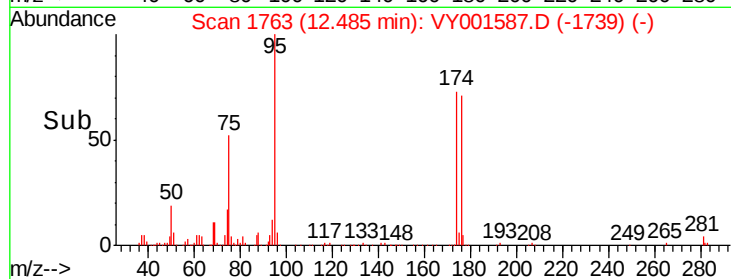
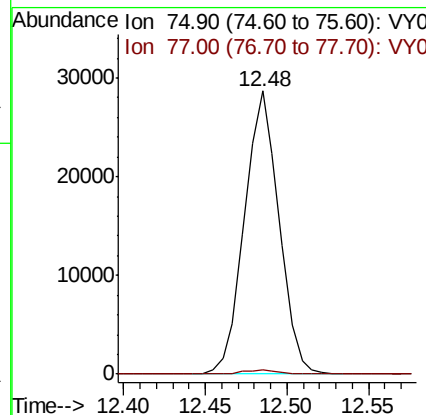
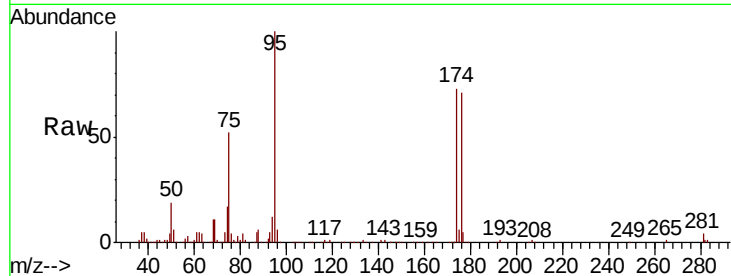


#76

1,2,3-Trichloropropane
Concen: 61.659 ug/l
RT: 12.48 min Scan# 1763
Delta R.T. -0.15 min
Lab File: VY001587.D
Acq: 10 Feb 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :

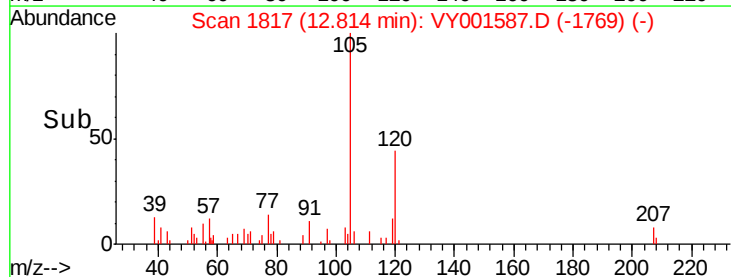
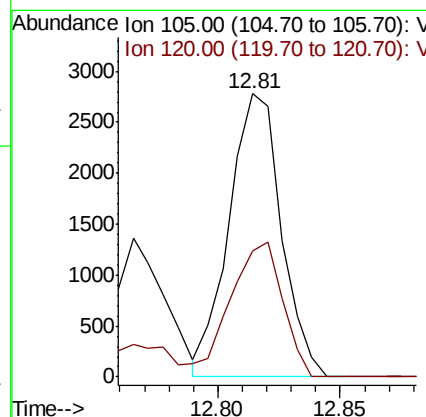
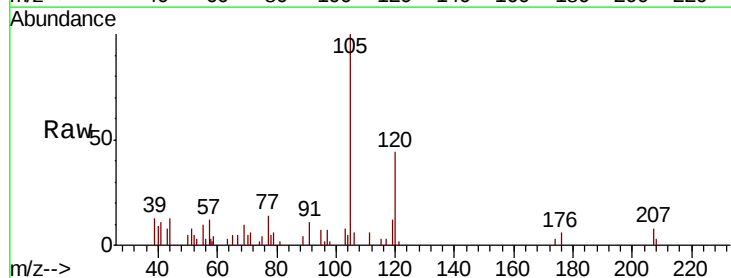
Tot Ion: 75 Resp: 42323
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

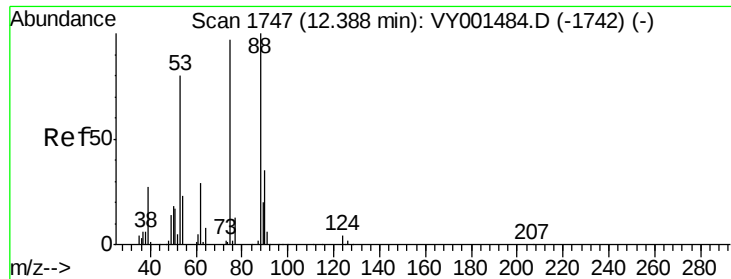


#80

1,3,5-Trimethylbenzene
Concen: 1.010 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. -0.01 min
Lab File: VY001587.D
Acq: 10 Feb 2020 15:48

Tgt Ion: 105 Resp: 4140
Ion Ratio Lower Upper
105 100
120 48.1 24.1 72.2

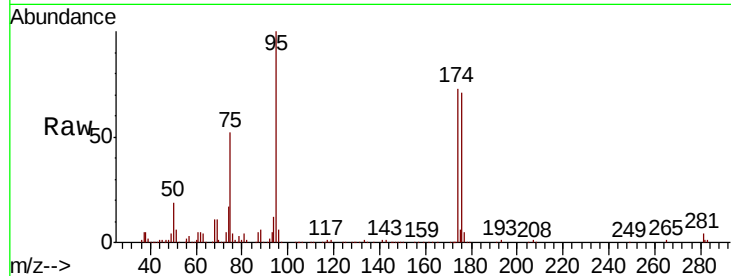




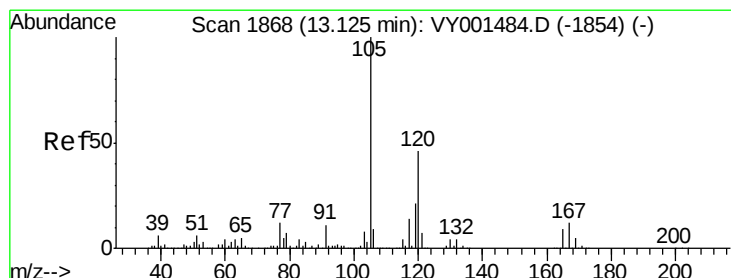
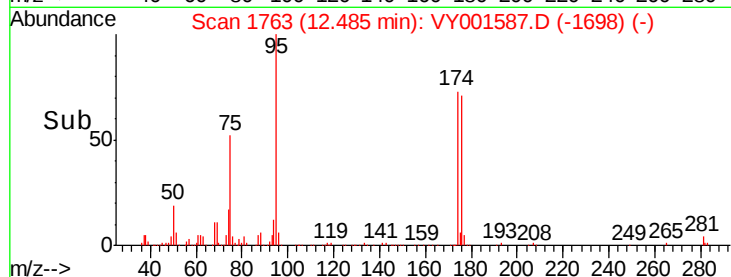
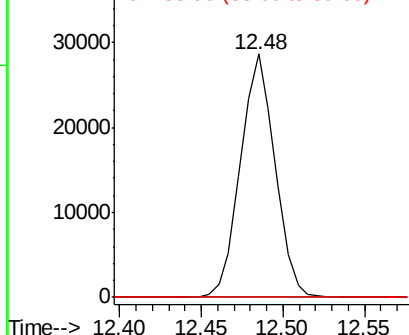
#81
trans-1,4-Dichloro-2-butene
Concen: 119.307 ug/l
RT: 12.48 min Scan# 1763
Delta R.T. 0.10 min
Lab File: VY001587.D
Acq: 10 Feb 2020 15:48

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 75 Resp: 42323
Ion Ratio Lower Upper
75 100
53 0.0 67.7 101.5#
89 0.1 34.6 52.0#

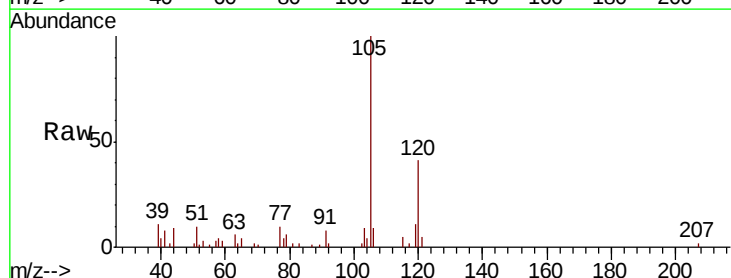


Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 53.00 (52.70 to 53.70): VY0
Ion 88.90 (88.60 to 89.60): VY0



#84
1,2,4-Trimethylbenzene
Concen: 1.706 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.01 min
Lab File: VY001587.D
Acq: 10 Feb 2020 15:48

Tgt Ion: 105 Resp: 6924
Ion Ratio Lower Upper
105 100
120 47.3 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

