

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021120\
 Data File : VY001599.D
 Acq On : 11 Feb 2020 15:14
 Operator : SY/MD
 Sample : L1488-03
 Misc : 6.57G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

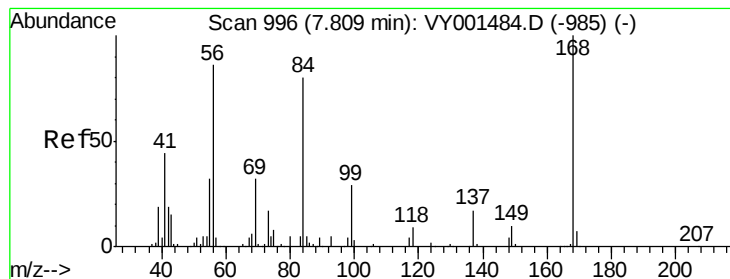
Quant Time: Feb 12 07:54:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	165315	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	298435	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	265329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	118303	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	98900	59.42	ug/l	0.00
Spiked Amount			Recovery	=	118.84%	
35) Dibromofluoromethane	7.75	113	85925	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
50) Toluene-d8	10.19	98	357545	54.91	ug/l	0.00
Spiked Amount			Recovery	=	109.82%	
62) 4-Bromofluorobenzene	12.49	95	123107	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	13330	43.251	ug/l #	79
16) Acetone	3.98	43	87375	181.476	ug/l	99
20) Methylene Chloride	4.75	84	1454	Below Cal	#	89
25) 2-Butanone	7.02	43	11228	17.975	ug/l	91
27) cis-1,2-Dichloroethene	7.02	96	34572	16.382	ug/l	95
31) Cyclohexane	7.82	56	3516	1.085	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	13770	5.044	ug/l #	48
37) Ethyl Acetate	7.02	43	11228	8.496	ug/l #	1
38) Carbon Tetrachloride	7.82	117	16348	6.189	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	60500	47.554	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	60500	92.015	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001599.D

Acq: 11 Feb 2020 15:14

Instrument :

MSVOA_Y

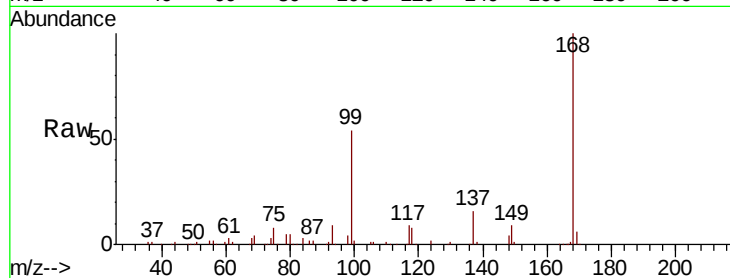
ClientSampleId :

Tot Ion:168 Resp: 165315

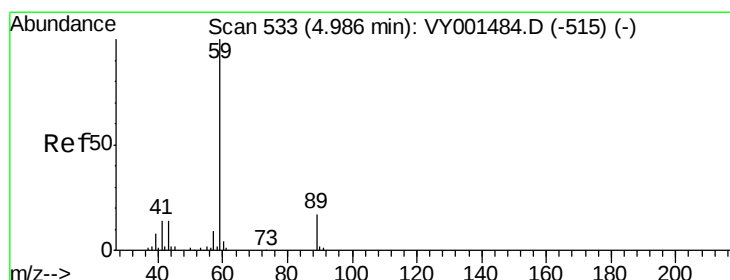
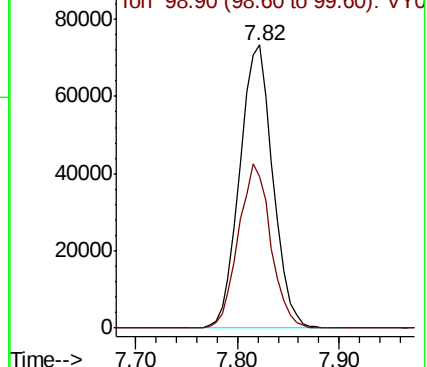
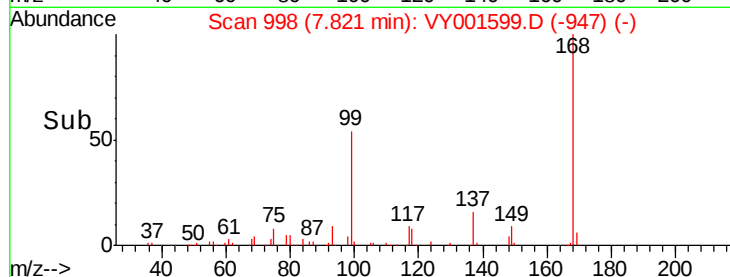
Ion Ratio Lower Upper

168 100

99 53.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001599.D (-947) (-)



#11

Tert butyl alcohol

Concen: 43.251 ug/l

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001599.D

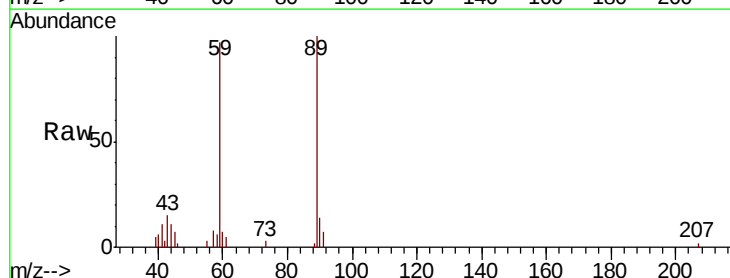
Acq: 11 Feb 2020 15:14

Tgt Ion: 59 Resp: 13330

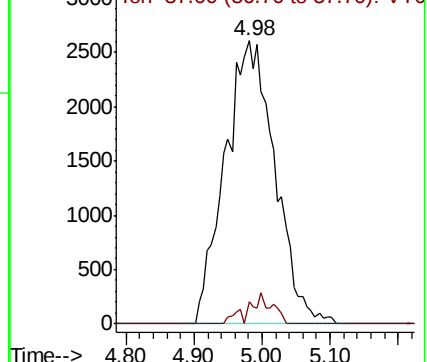
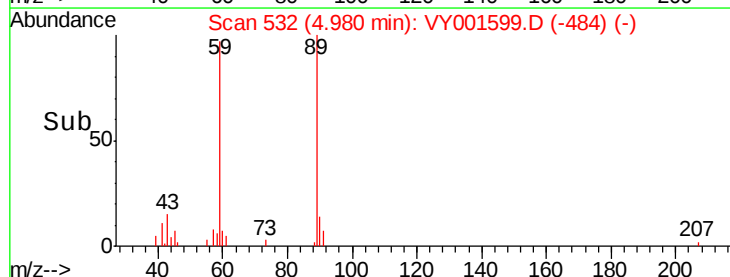
Ion Ratio Lower Upper

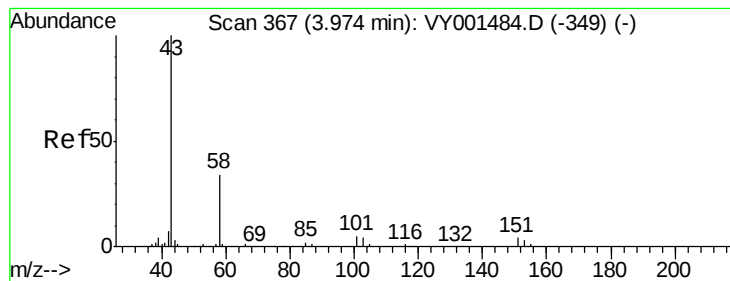
59 100

57 1.1 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001599.D (-484) (-)





#16

Acetone

Concen: 181.476 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001599.D

Acq: 11 Feb 2020 15:14

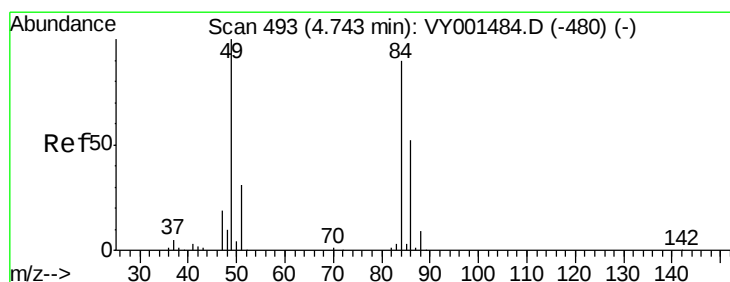
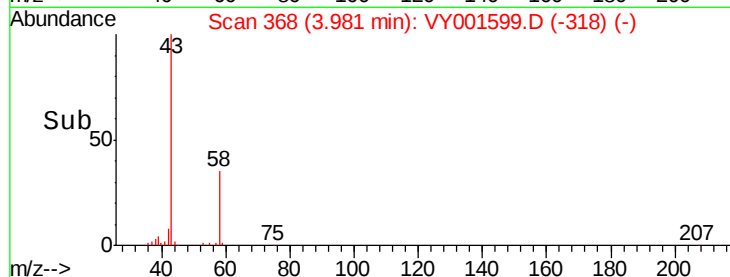
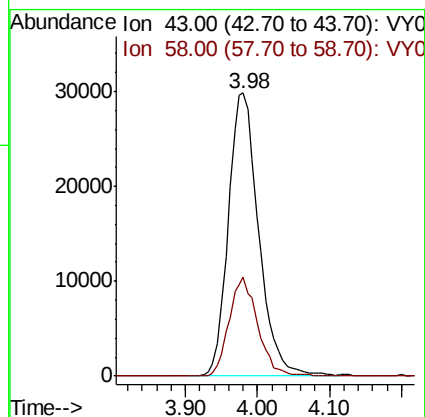
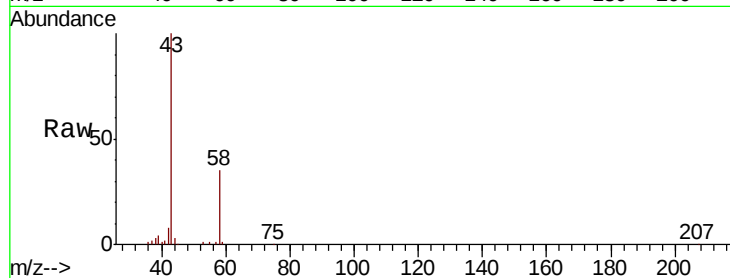
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 87375

Ion Ratio Lower Upper

43 100

58 35.1 27.5 41.3



#20

Methylene Chloride

Concen: Below Cal

RT: 4.75 min Scan# 495

Delta R.T. 0.01 min

Lab File: VY001599.D

Acq: 11 Feb 2020 15:14

Tgt Ion: 84 Resp: 1454

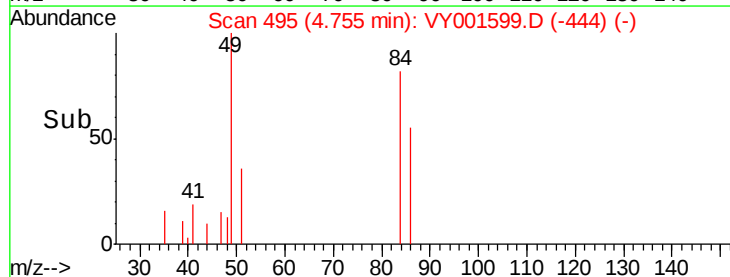
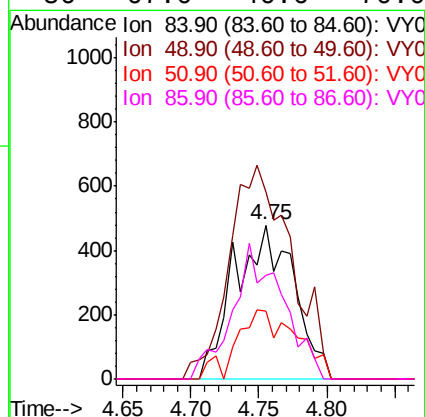
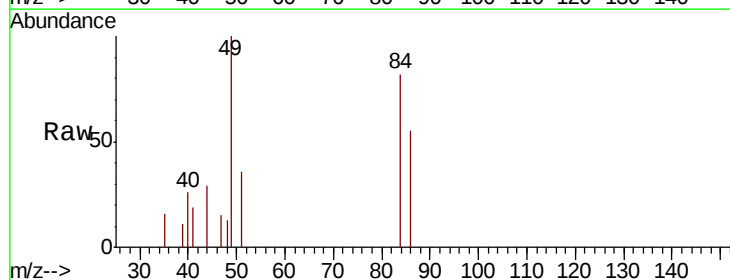
Ion Ratio Lower Upper

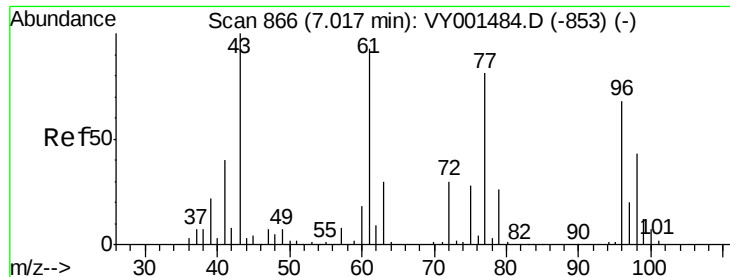
84 100

49 121.3 89.0 133.6

51 44.1 27.4 41.2#

86 67.0 46.6 70.0





#25

2-Butanone

Concen: 17.975 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001599.D

Acq: 11 Feb 2020 15:14

Instrument :

MSVOA_Y

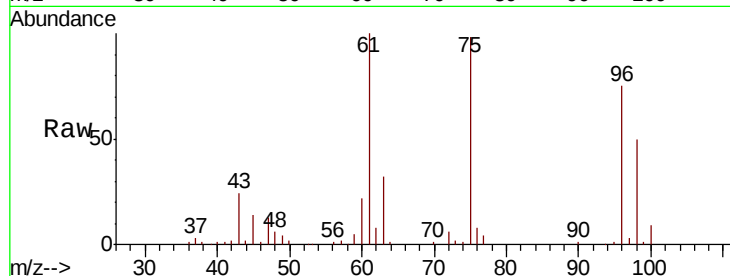
ClientSampled :

Tot Ion: 43 Resp: 11228

Ion Ratio Lower Upper

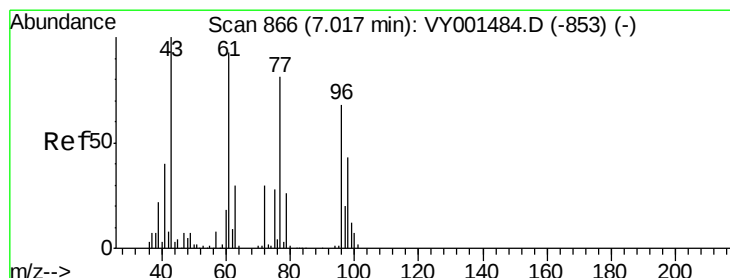
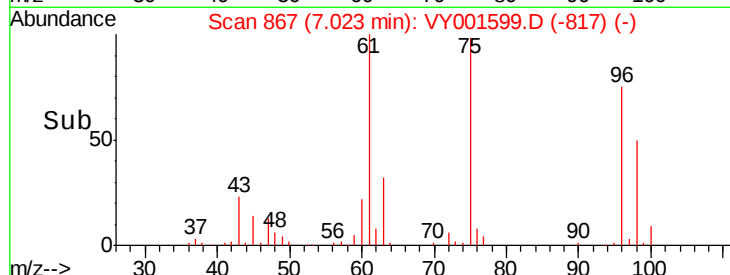
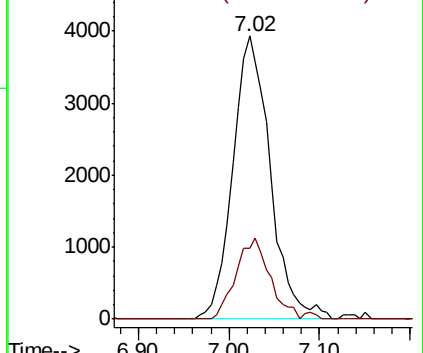
43 100

72 24.9 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#27

cis-1,2-Dichloroethene

Concen: 16.382 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001599.D

Acq: 11 Feb 2020 15:14

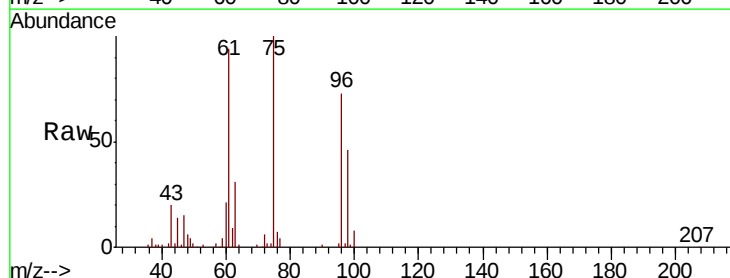
Tgt Ion: 96 Resp: 34572

Ion Ratio Lower Upper

96 100

61 131.4 0.0 278.8

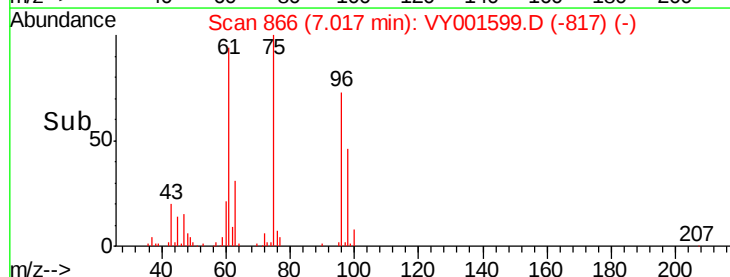
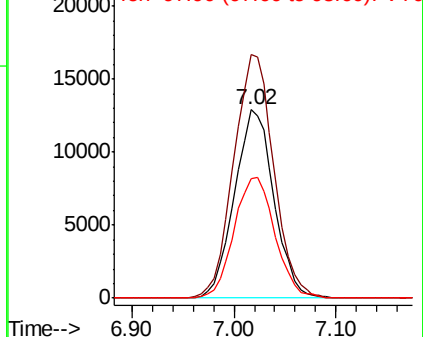
98 66.2 0.0 128.8

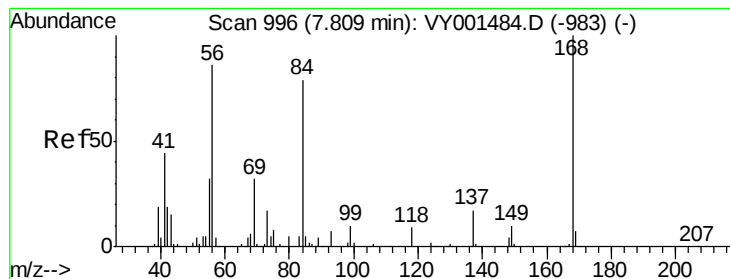


Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#31

Cyclohexane

Concen: 1.085 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001599.D

Acq: 11 Feb 2020 15:14

Instrument :

MSVOA_Y

ClientSampleId :

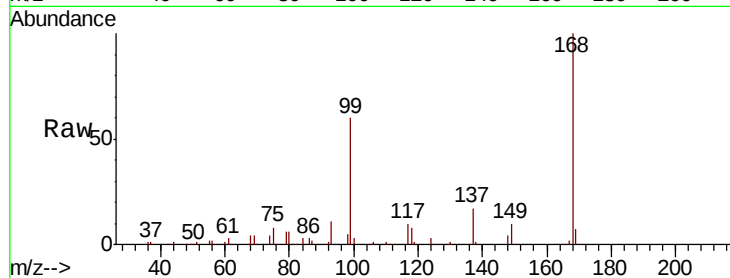
Tot Ion: 56 Resp: 3516

Ion Ratio Lower Upper

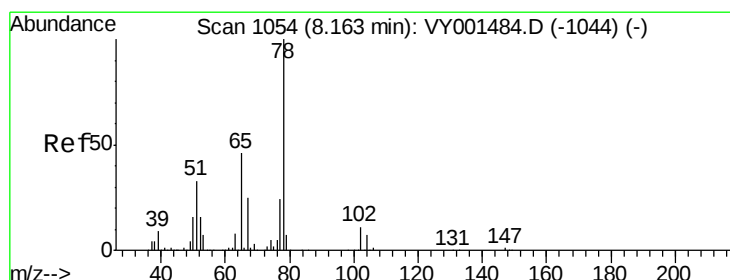
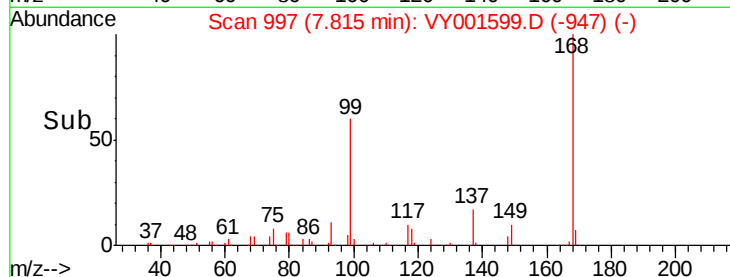
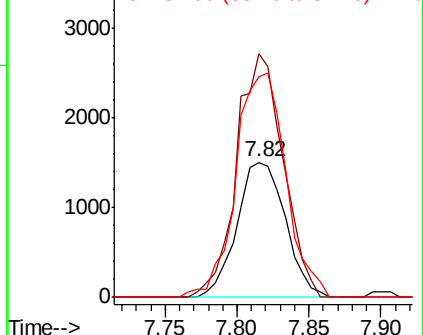
56 100

69 180.0 29.6 44.4#

84 163.1 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: 59.418 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY001599.D

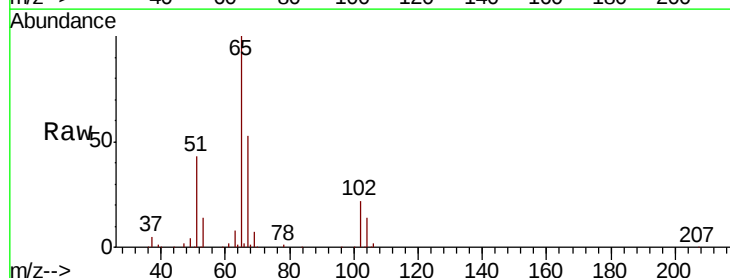
Acq: 11 Feb 2020 15:14

Tgt Ion: 65 Resp: 98900

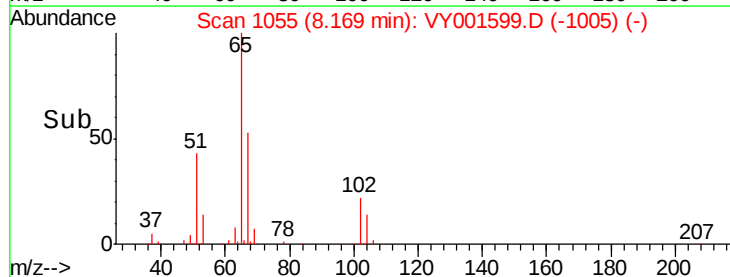
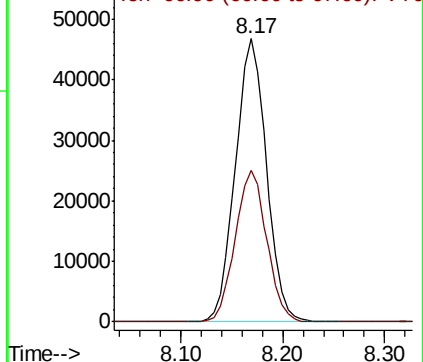
Ion Ratio Lower Upper

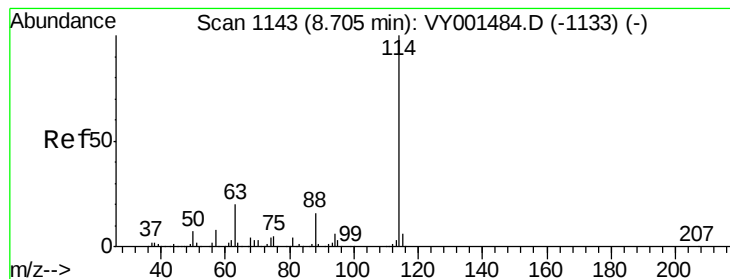
65 100

67 54.2 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: VY001599.D

Acq: 11 Feb 2020 15:14

Instrument :

MSVOA_Y

ClientSampleId :

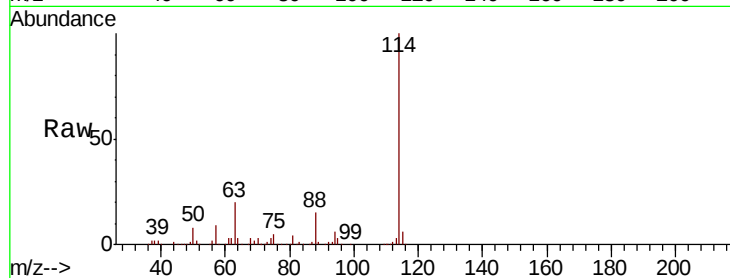
Tot Ion:114 Resp: 298435

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.8

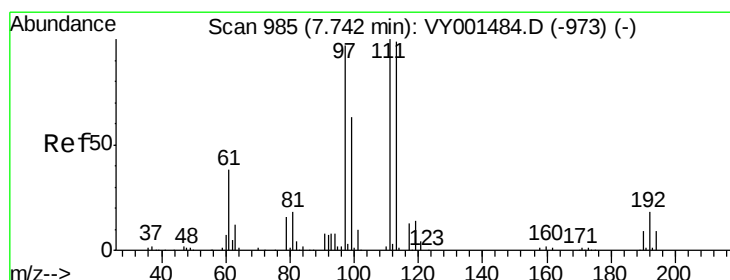
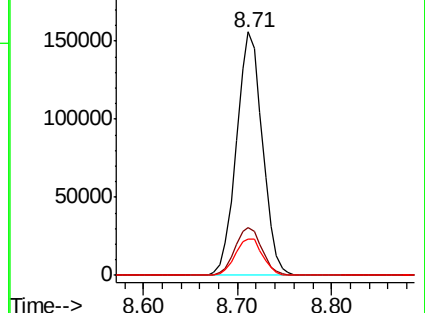
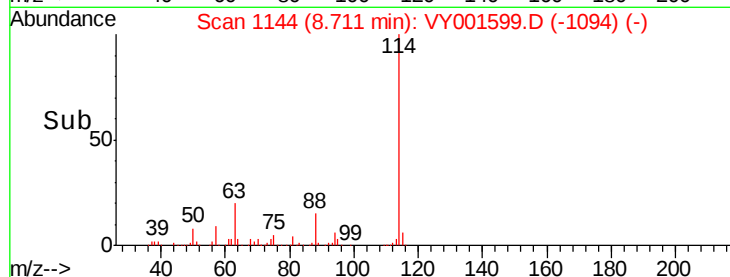
88 15.1 0.0 32.6



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: 49.930 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY001599.D

Acq: 11 Feb 2020 15:14

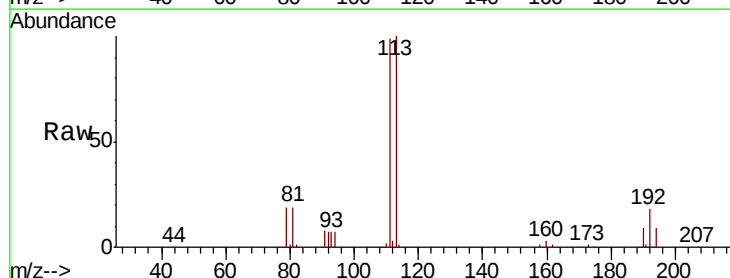
Tgt Ion:113 Resp: 85925

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

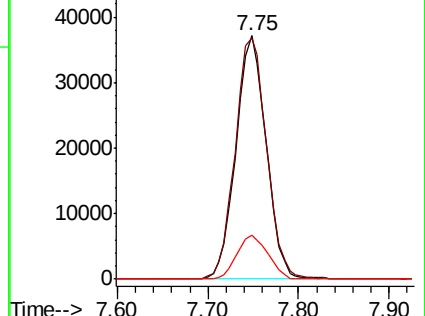
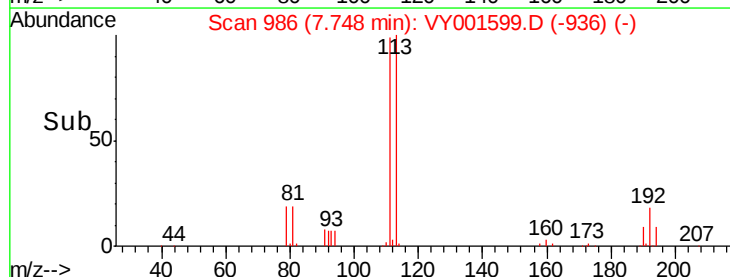
192 18.5 14.6 22.0

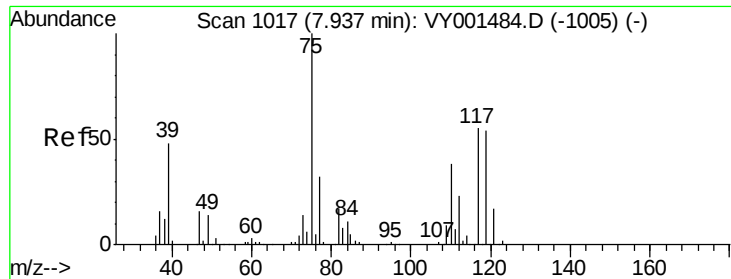


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

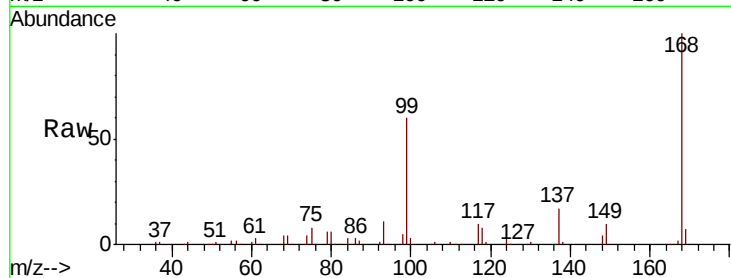




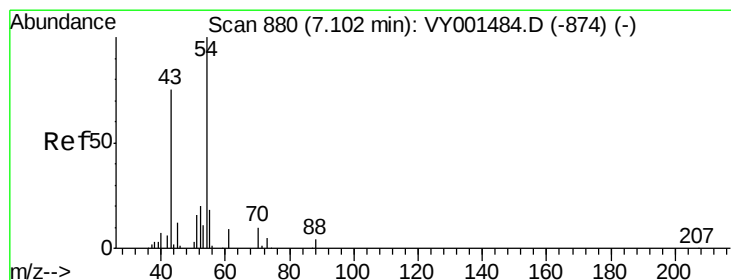
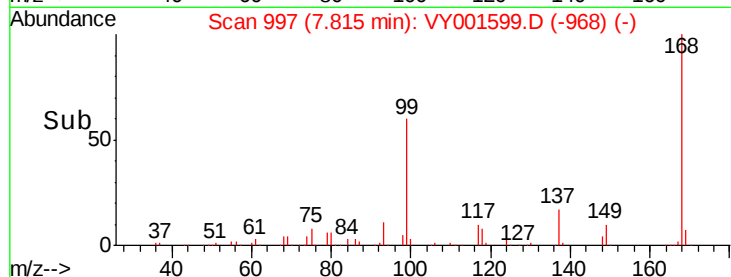
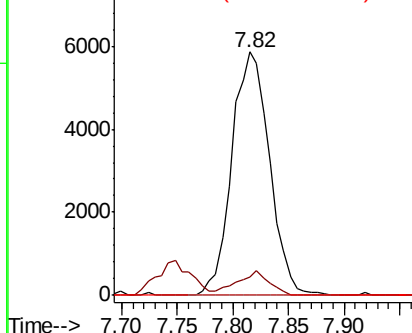
#36
 1,1-Dichloropropene
 Concen: 5.044 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY001599.D
 Acq: 11 Feb 2020 15:14

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	75	Resp	13770
Ion Ratio	Lower	Upper	
75	100		
110	8.4	18.2	54.6#
77	0.0	25.0	37.4#

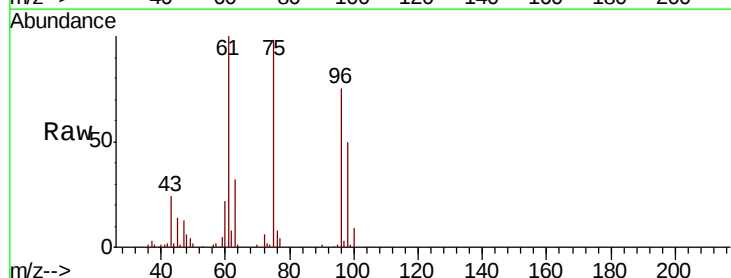


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

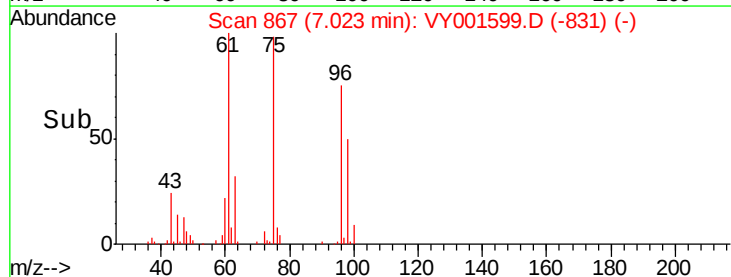
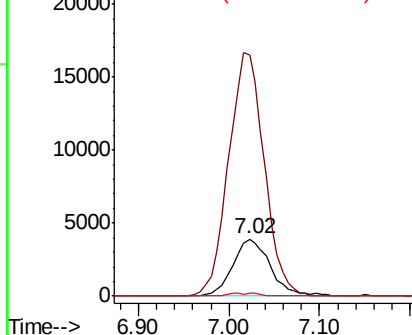


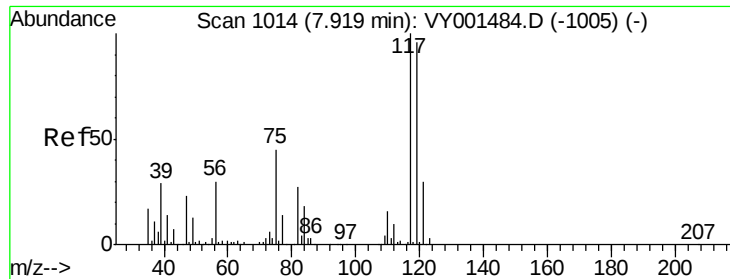
#37
 Ethyl Acetate
 Concen: 8.496 ug/l
 RT: 7.02 min Scan# 867
 Delta R.T. -0.08 min
 Lab File: VY001599.D
 Acq: 11 Feb 2020 15:14

Tgt Ion	43	Resp	11228
Ion Ratio	Lower	Upper	
43	100		
61	404.5	12.0	18.0#
70	2.6	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: 6.189 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY001599.D

Acq: 11 Feb 2020 15:14

Instrument :

MSVOA_Y

ClientSampleId :

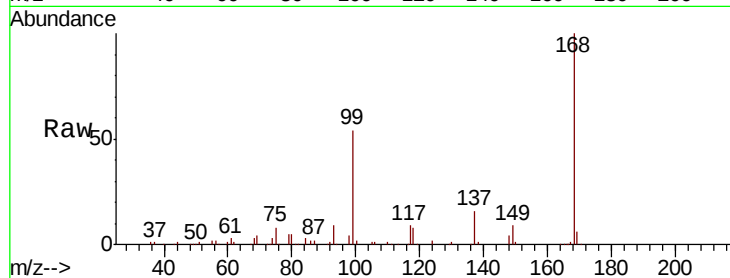
Tot Ion:117 Resp: 16348

Ion Ratio Lower Upper

117 100

119 5.0 76.4 114.6#

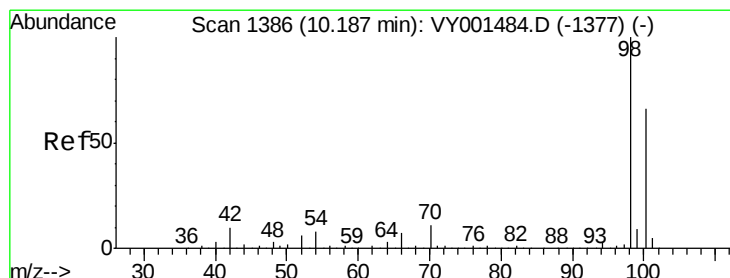
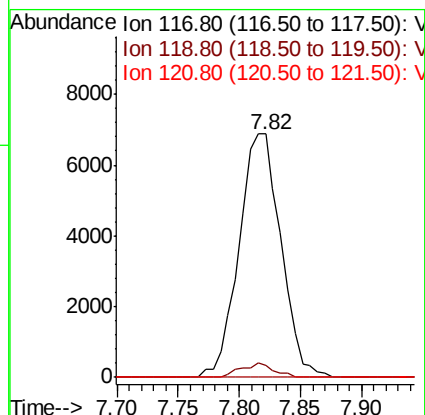
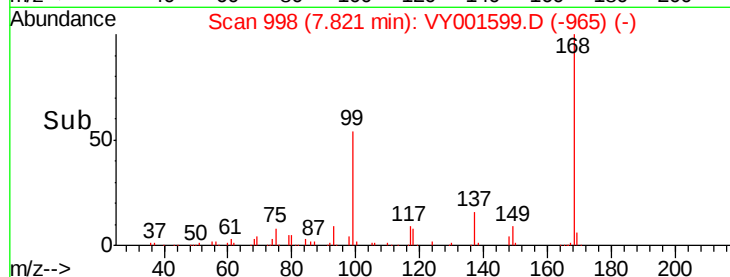
121 0.0 24.2 36.4#



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: 54.914 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001599.D

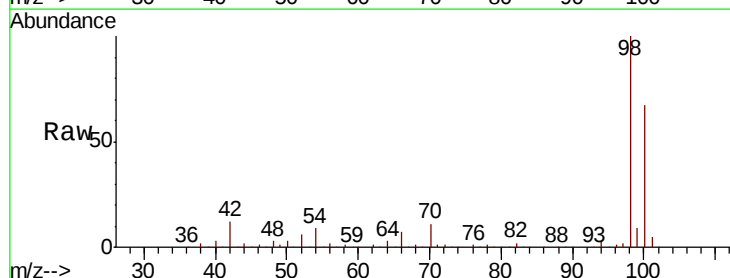
Acq: 11 Feb 2020 15:14

Tgt Ion: 98 Resp: 357545

Ion Ratio Lower Upper

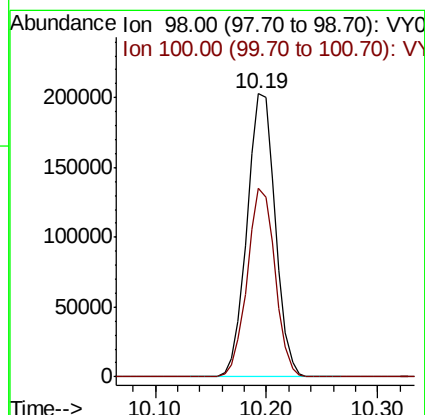
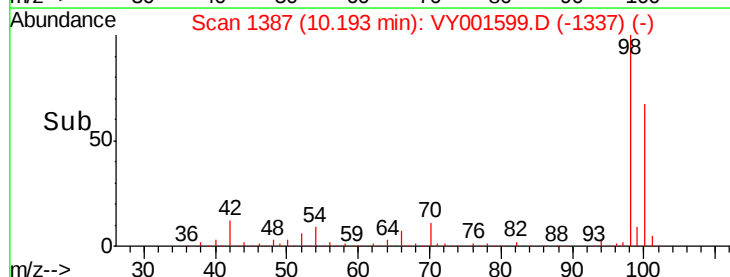
98 100

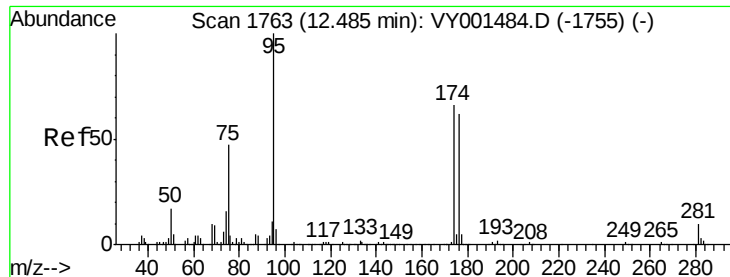
100 65.6 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

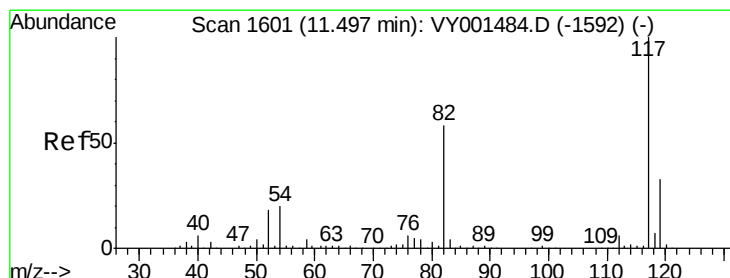
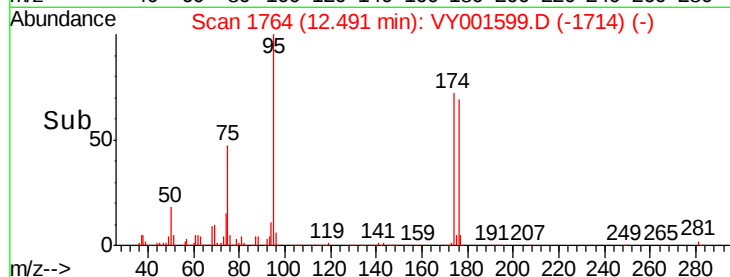
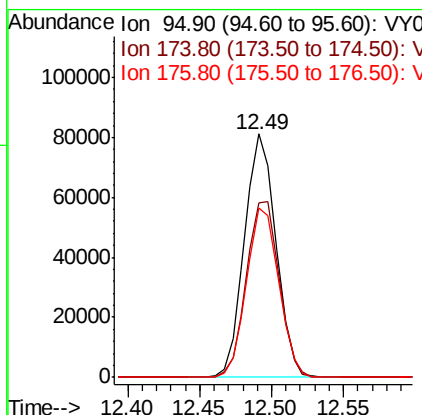
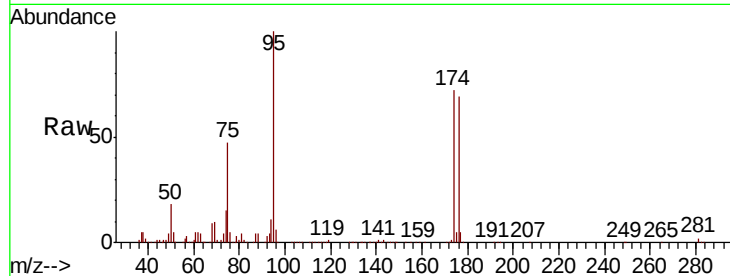




#62
4-Bromofluorobenzene
Concen: 47.995 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001599.D
Acq: 11 Feb 2020 15:14

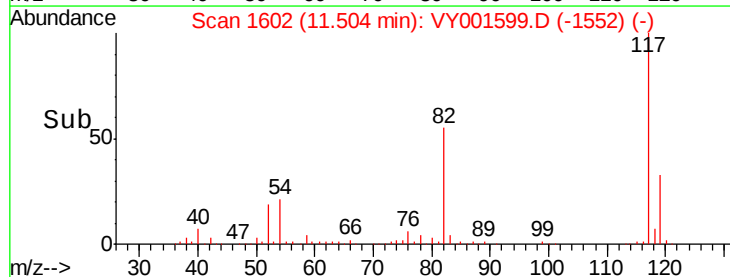
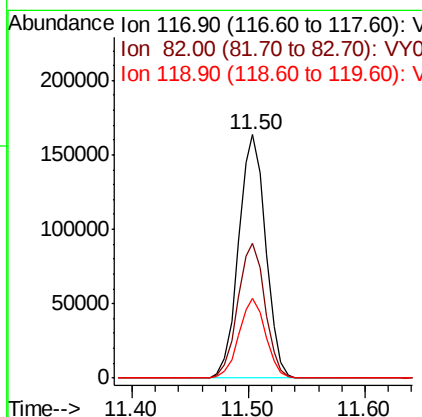
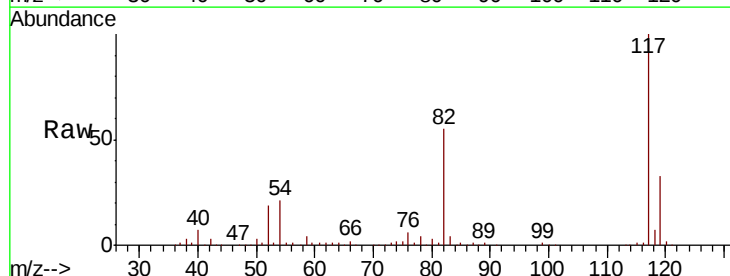
Instrument :
MSVOA_Y
ClientSampled :

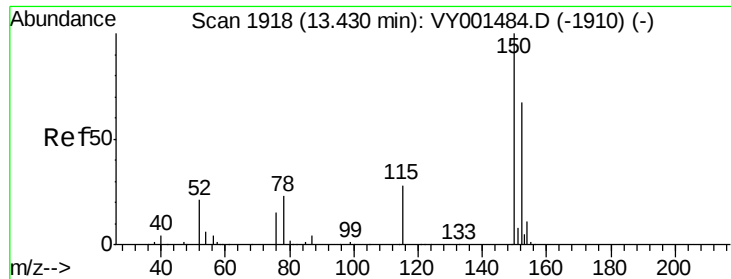
Tot Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	141.4
176	71.2	0.0	135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001599.D
Acq: 11 Feb 2020 15:14

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.2	46.1	69.1
119	32.7	26.1	39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001599.D

Acq: 11 Feb 2020 15:14

Instrument :

MSVOA_Y

ClientSampleId :

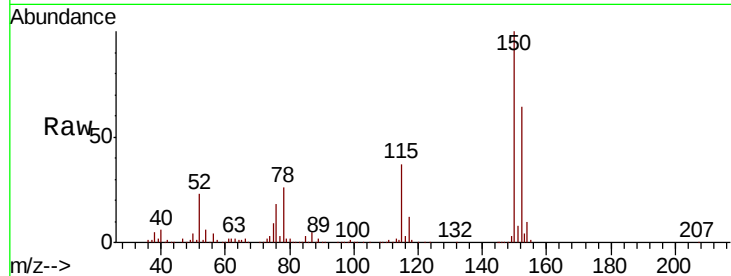
Tot Ion:152 Resp: 118303

Ion Ratio Lower Upper

152 100

115 59.8 31.4 94.3

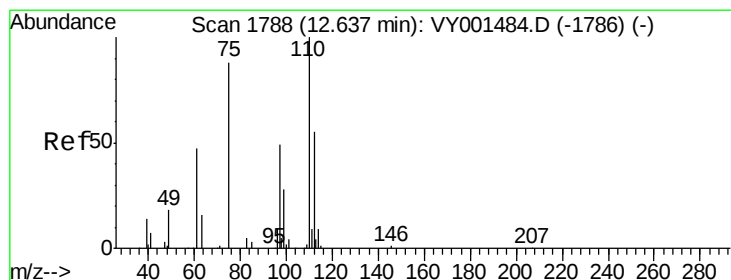
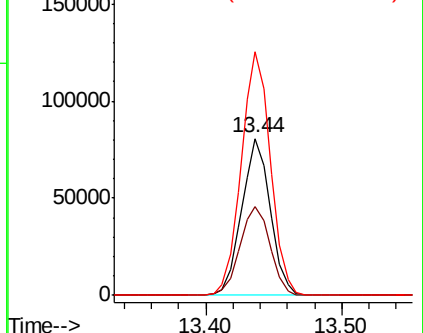
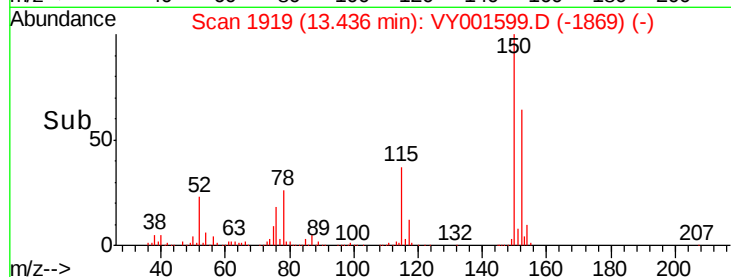
150 158.3 0.0 346.8



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: 47.554 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001599.D

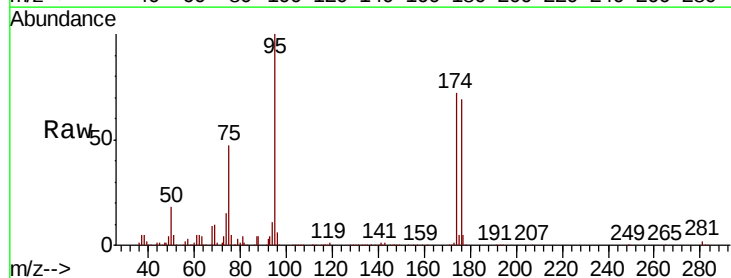
Acq: 11 Feb 2020 15:14

Tgt Ion: 75 Resp: 60500

Ion Ratio Lower Upper

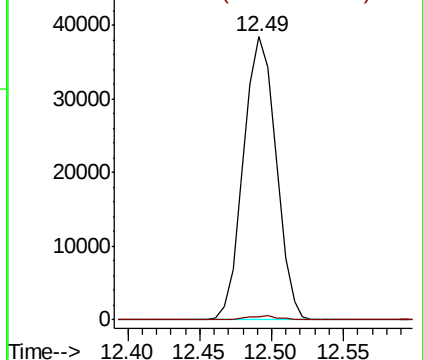
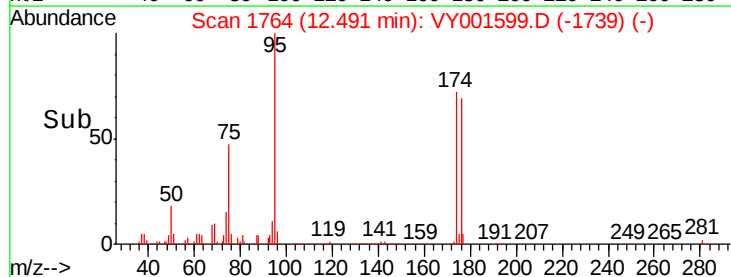
75 100

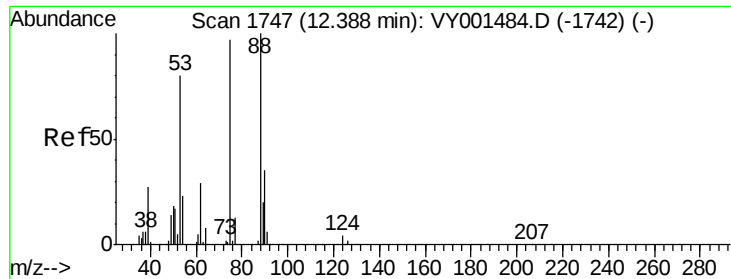
77 1.3 0.0 0.0#



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: 92.015 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY001599.D
 Acq: 11 Feb 2020 15:14

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 60500
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.7 101.5#
 89 0.0 34.6 52.0#

