

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021120\
 Data File : VY001598.D
 Acq On : 11 Feb 2020 14:52
 Operator : SY/MD
 Sample : L1488-02
 Misc : 5.71G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 12 07:54:24 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	163865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	301743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	263763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	110858	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	99716	60.44	ug/l	0.00
Spiked Amount			Recovery	=	120.88%	
35) Dibromofluoromethane	7.74	113	88078	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
50) Toluene-d8	10.19	98	359264	54.57	ug/l	0.00
Spiked Amount			Recovery	=	109.14%	
62) 4-Bromofluorobenzene	12.49	95	118430	45.67	ug/l	0.00
Spiked Amount			Recovery	=	91.34%	

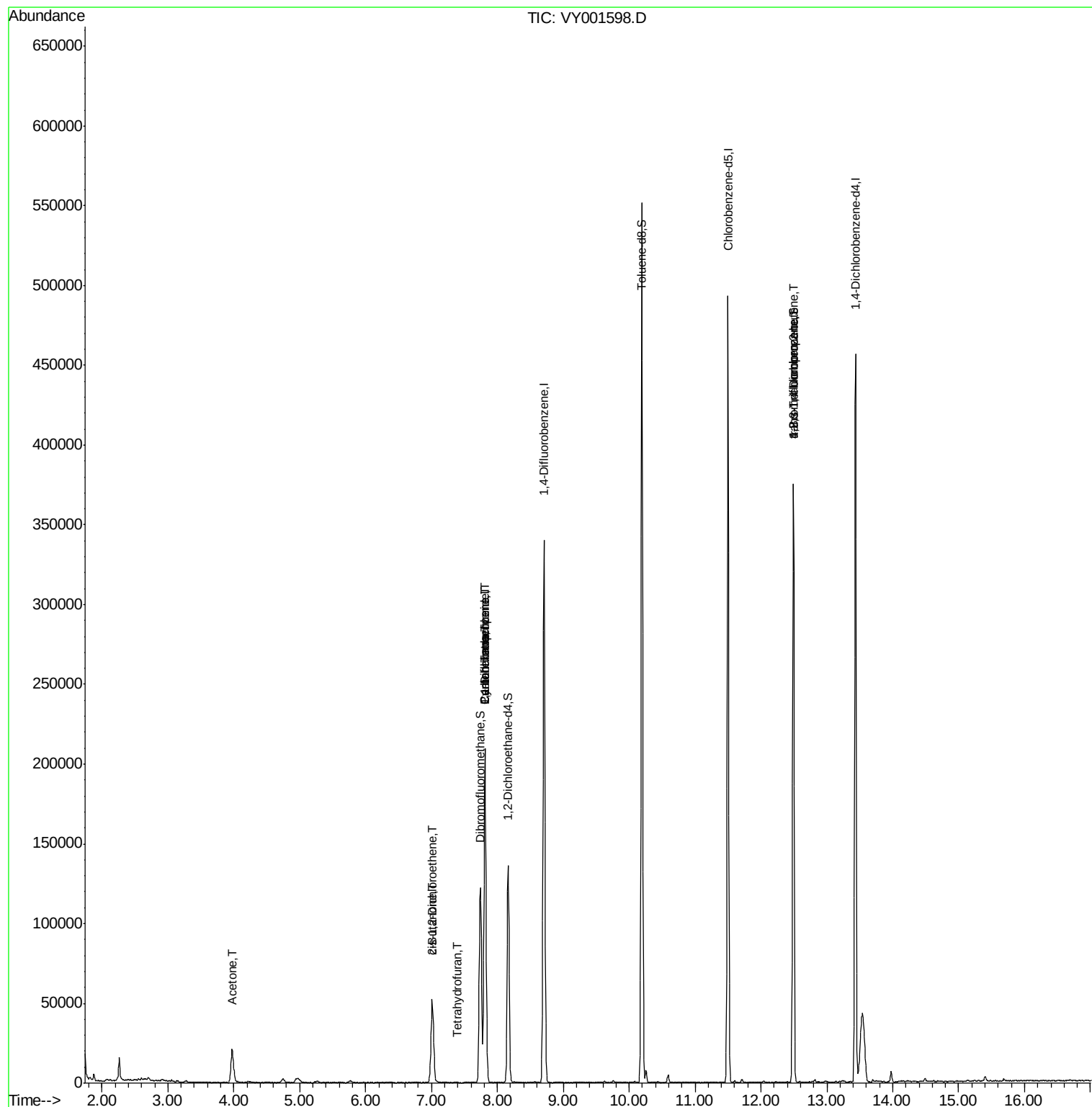
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	5252	Below Cal	#	81
16) Acetone	3.97	43	37260	78.073	ug/l	100
20) Methylene Chloride	4.74	84	1649	Below Cal	#	76
25) 2-Butanone	7.02	43	3196	5.162	ug/l	96
27) cis-1,2-Dichloroethene	7.02	96	27292	13.047	ug/l	90
29) Tetrahydrofuran	7.38	42	379	1.021	ug/l #	51
31) Cyclohexane	7.81	56	4101	1.276	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	12896	4.672	ug/l #	48
38) Carbon Tetrachloride	7.82	117	16375	6.131	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	60092	50.406	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	60092	97.532	ug/l #	16

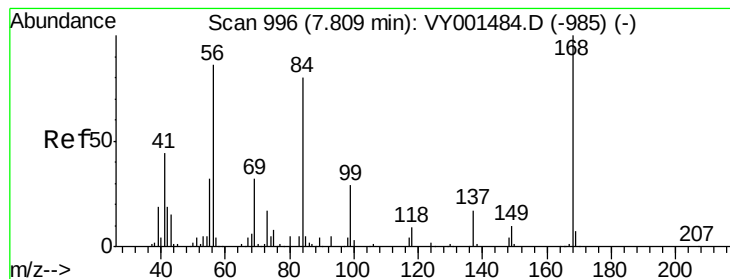
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001598.D

Acq: 11 Feb 2020 14:52

Instrument :

MSVOA_Y

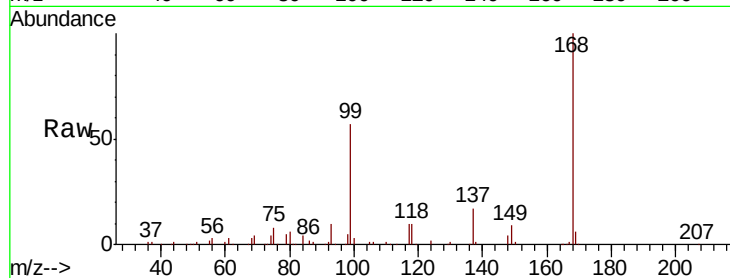
ClientSampleId :

Tot Ion:168 Resp: 163865

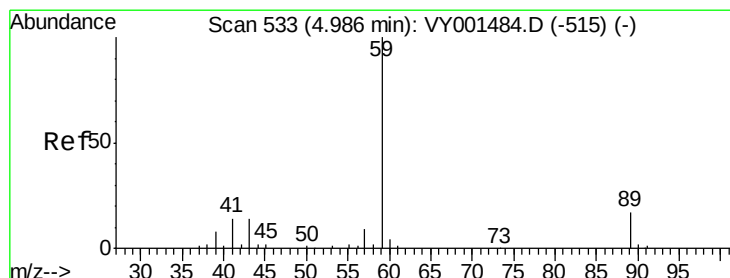
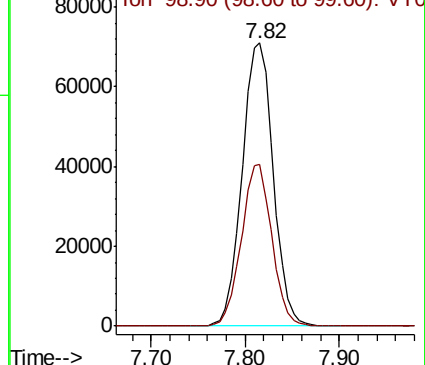
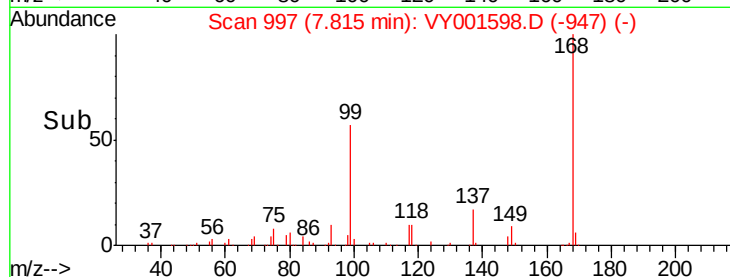
Ion Ratio Lower Upper

168 100

99 57.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001598.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. -0.01 min

Lab File: VY001598.D

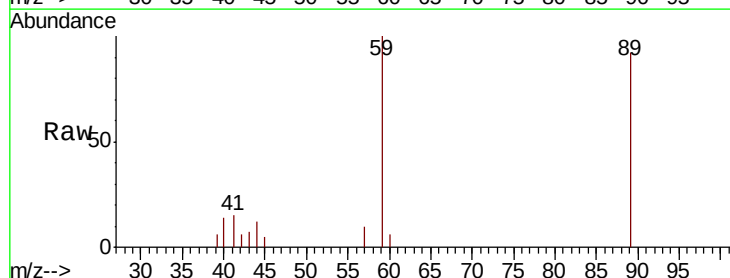
Acq: 11 Feb 2020 14:52

Tgt Ion: 59 Resp: 5252

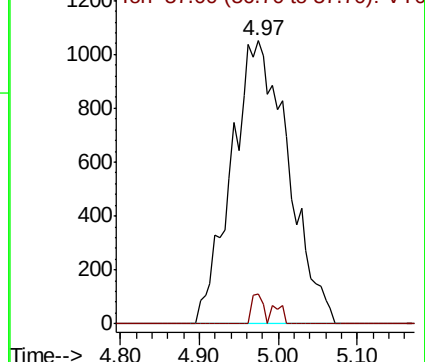
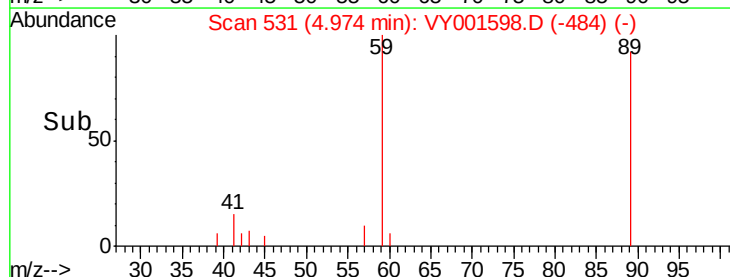
Ion Ratio Lower Upper

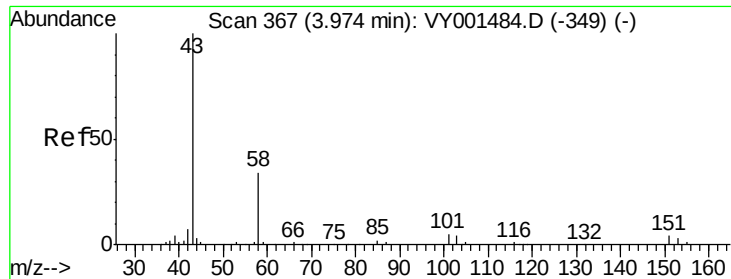
59 100

57 2.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001598.D (-484) (-)

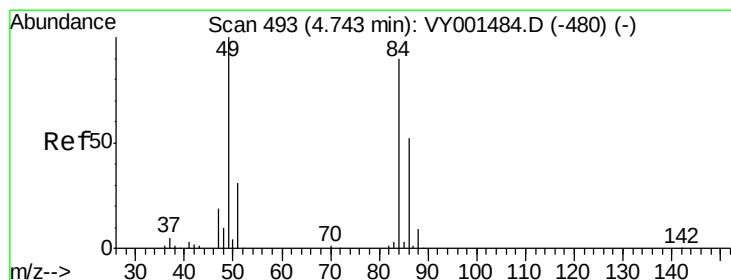
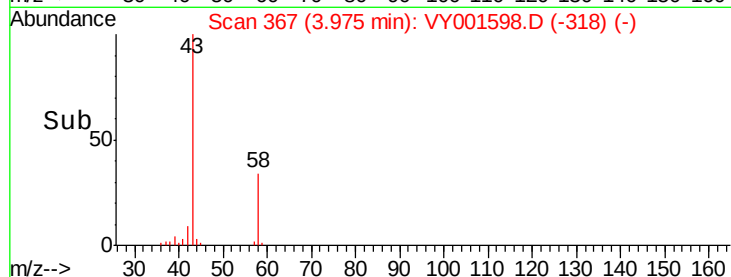
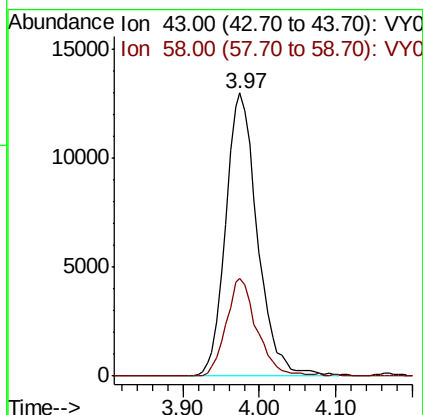
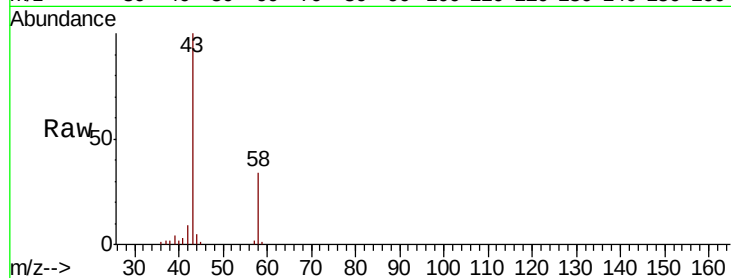




#16
Acetone
Concen: 78.073 ug/l
RT: 3.97 min Scan# 367
Delta R.T. 0.00 min
Lab File: VY001598.D
Acq: 11 Feb 2020 14:52

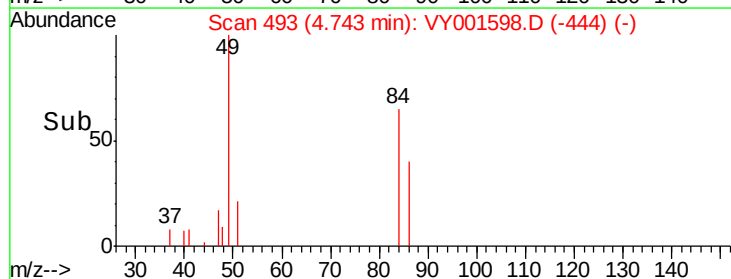
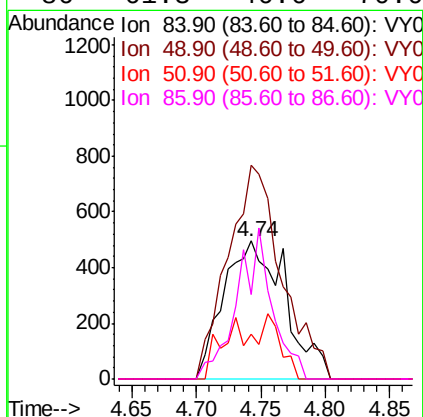
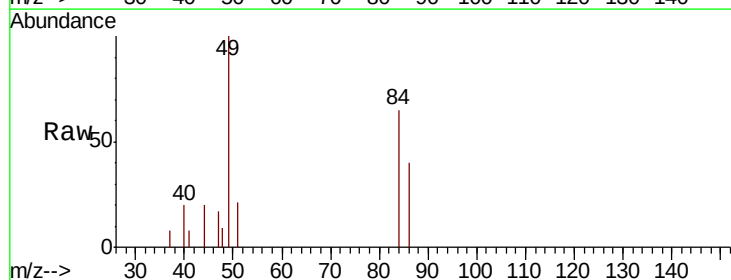
Instrument :
MSVOA_Y
ClientSampleId :

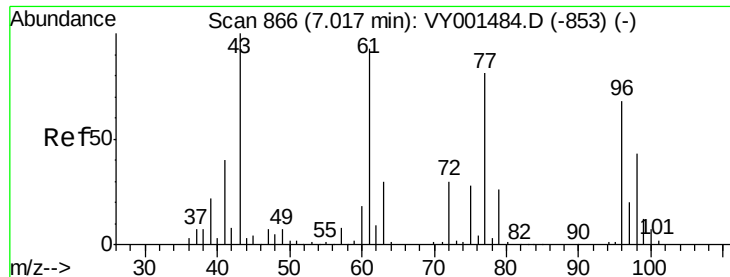
Tot Ion: 43 Resp: 37260
Ion Ratio Lower Upper
43 100
58 34.4 27.5 41.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 493
Delta R.T. 0.00 min
Lab File: VY001598.D
Acq: 11 Feb 2020 14:52

Tgt Ion: 84 Resp: 1649
Ion Ratio Lower Upper
84 100
49 154.6 89.0 133.6#
51 32.5 27.4 41.2
86 61.3 46.6 70.0





#25

2-Butanone

Concen: 5.162 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001598.D

Acq: 11 Feb 2020 14:52

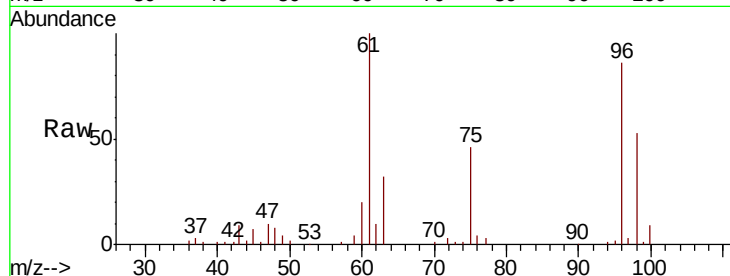
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 3196

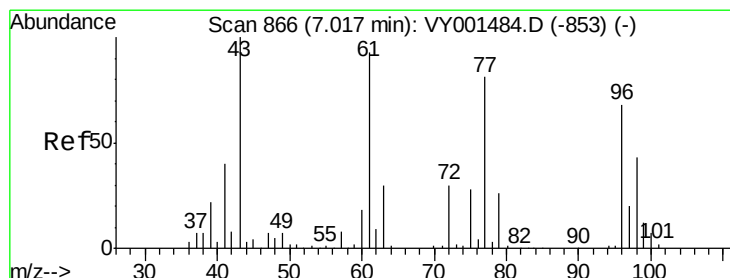
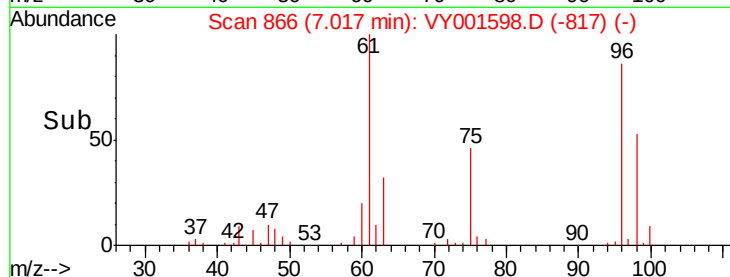
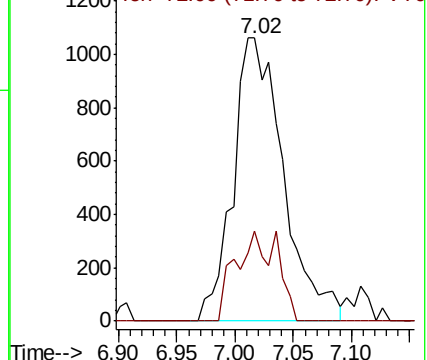
Ion Ratio Lower Upper

43 100

72 31.9 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: 13.047 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001598.D

Acq: 11 Feb 2020 14:52

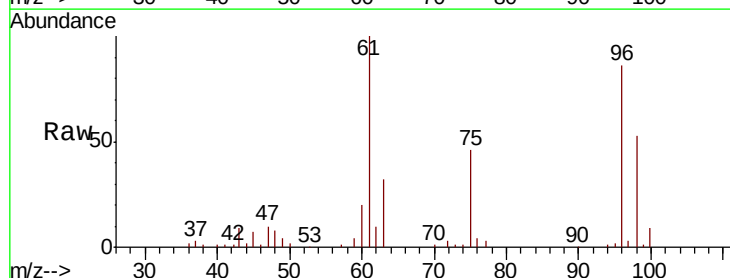
Tgt Ion: 96 Resp: 27292

Ion Ratio Lower Upper

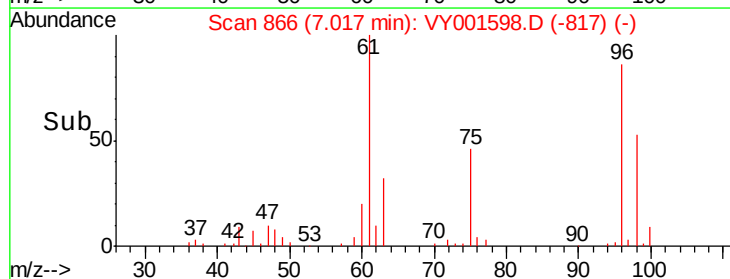
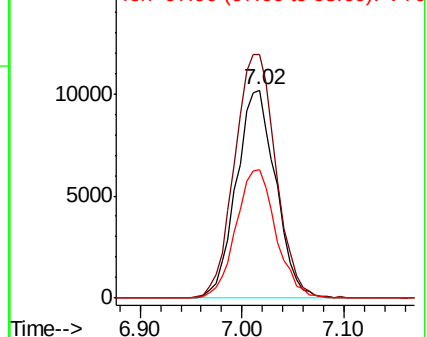
96 100

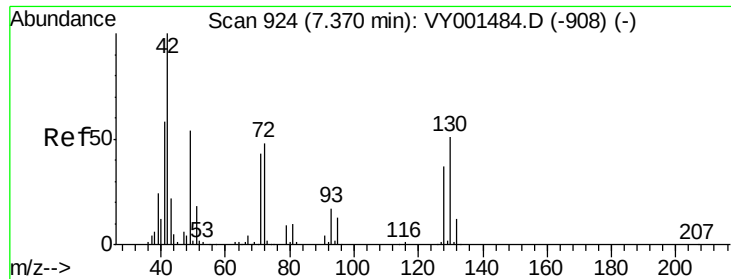
61 122.3 0.0 278.8

98 62.6 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

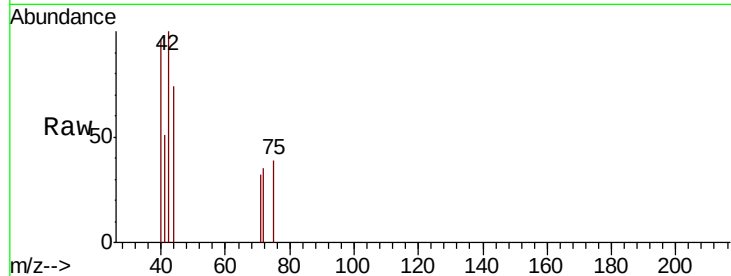




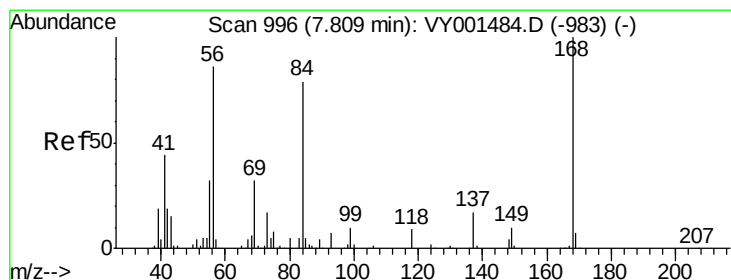
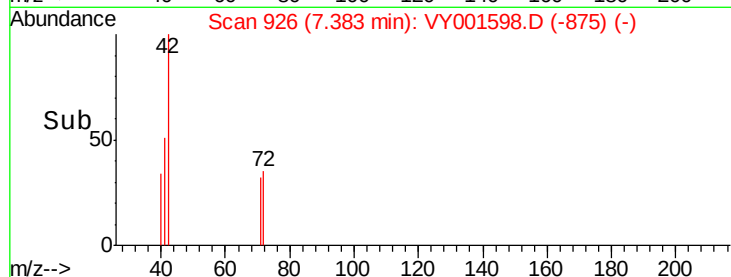
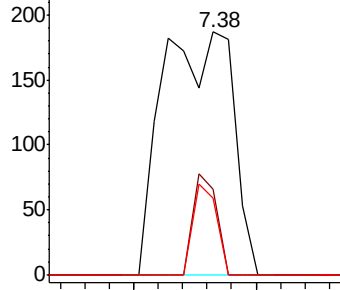
#29
Tetrahydrofuran
Concen: 1.021 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001598.D
Acq: 11 Feb 2020 14:52

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 42 Resp: 379
Ion Ratio Lower Upper
42 100
72 14.0 37.8 56.6#
71 12.4 34.8 52.2#

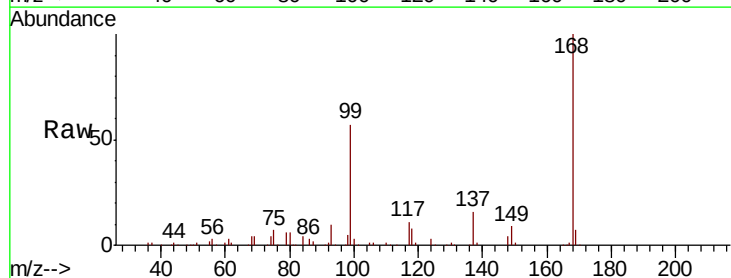


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

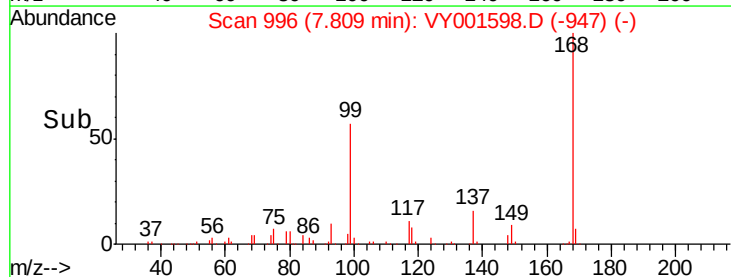
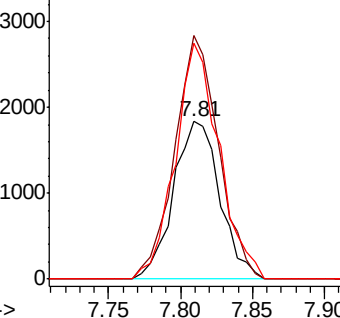


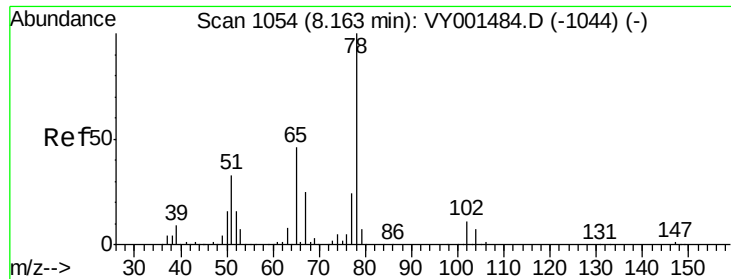
#31
Cyclohexane
Concen: 1.276 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY001598.D
Acq: 11 Feb 2020 14:52

Tgt Ion: 56 Resp: 4101
Ion Ratio Lower Upper
56 100
69 154.4 29.6 44.4#
84 149.2 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

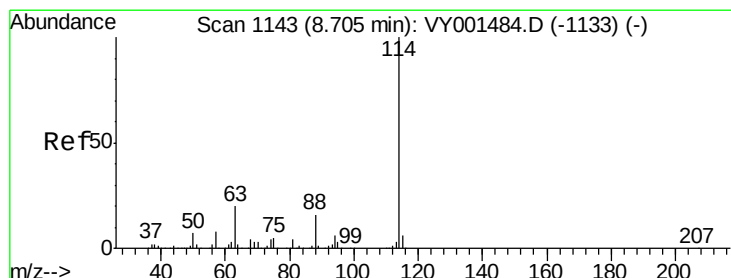
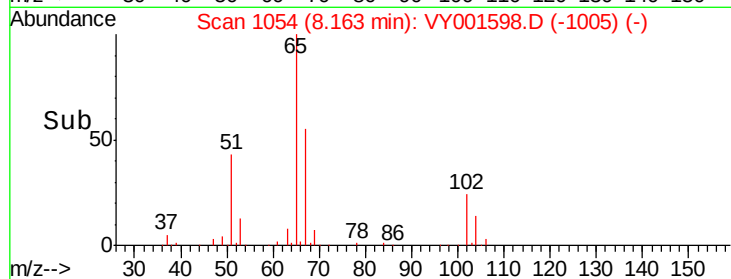
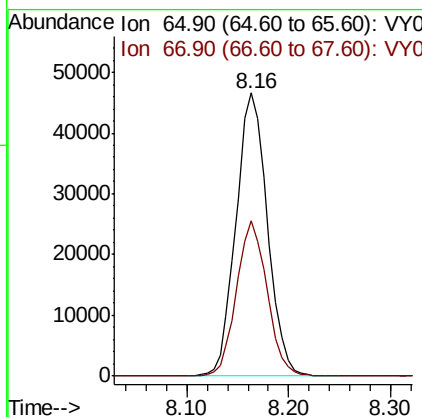
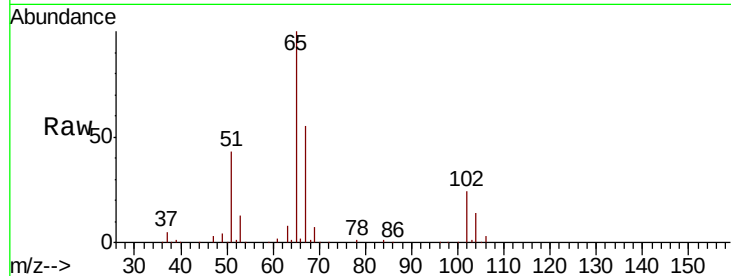




#33
 1,2-Dichloroethane-d4
 Concen: 60.438 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY001598.D
 Acq: 11 Feb 2020 14:52

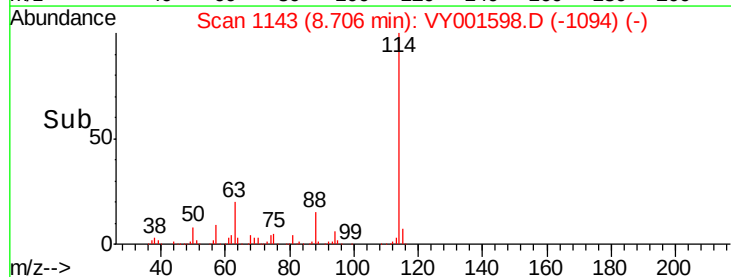
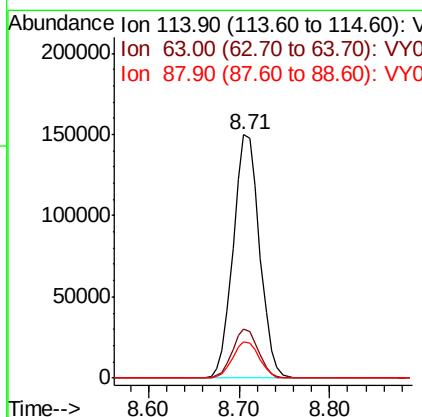
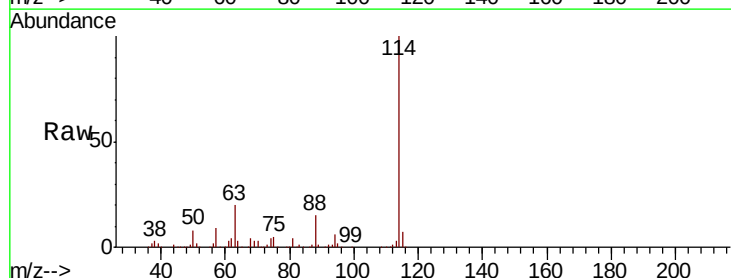
Instrument :
 MSVOA_Y
 ClientSampled :

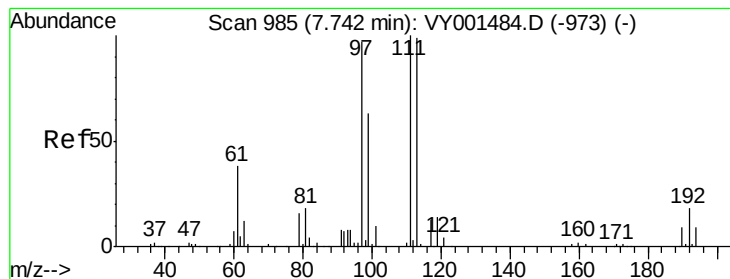
Tot Ion: 65 Resp: 99716
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY001598.D
 Acq: 11 Feb 2020 14:52

Tgt Ion: 114 Resp: 301743
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 15.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.620 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.00 min

Lab File: VY001598.D

Acq: 11 Feb 2020 14:52

Instrument :
MSVOA_Y
ClientSampled :

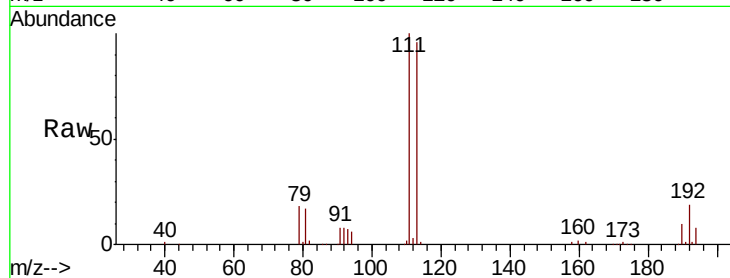
Tot Ion:113 Resp: 88078

Ion Ratio Lower Upper

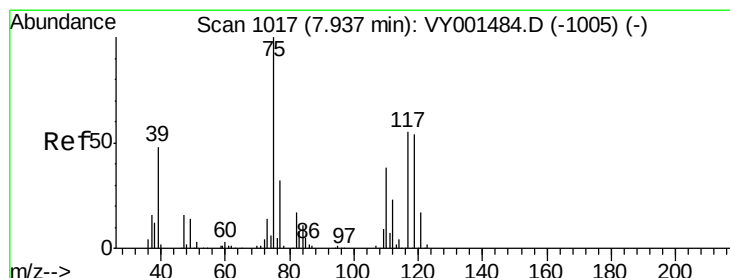
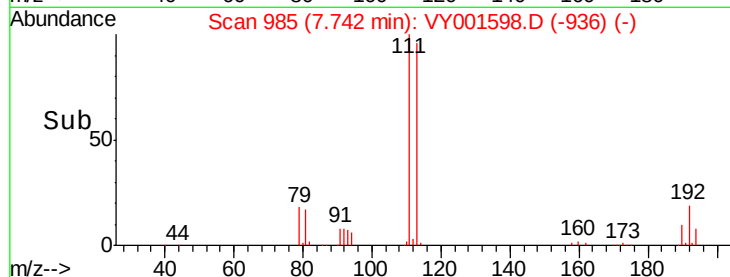
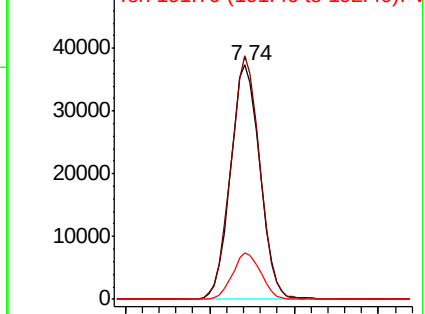
113 100

111 102.0 82.9 124.3

192 19.2 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: 4.672 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.12 min

Lab File: VY001598.D

Acq: 11 Feb 2020 14:52

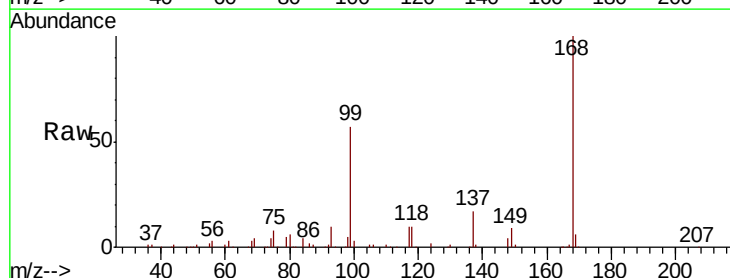
Tgt Ion: 75 Resp: 12896

Ion Ratio Lower Upper

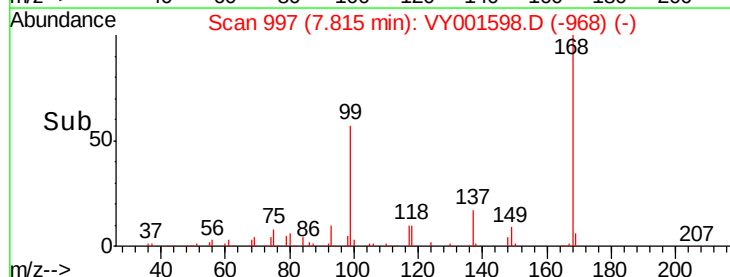
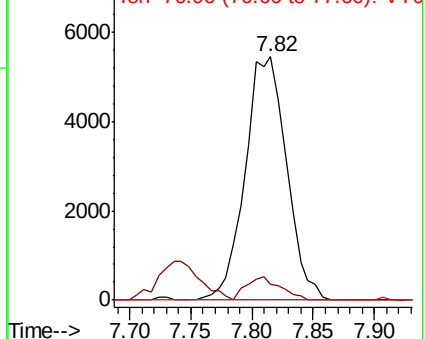
75 100

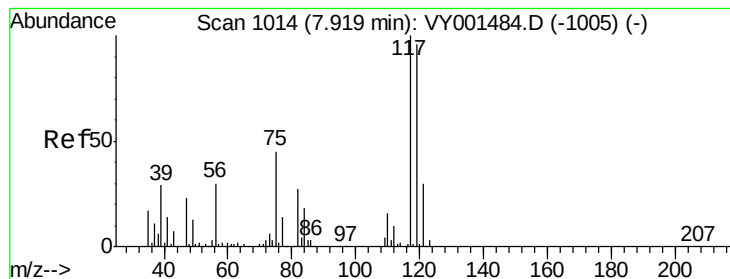
110 7.9 18.2 54.6#

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





#38

Carbon Tetrachloride

Concen: 6.131 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.10 min

Lab File: VY001598.D

Acq: 11 Feb 2020 14:52

Instrument :

MSVOA_Y

ClientSampleId :

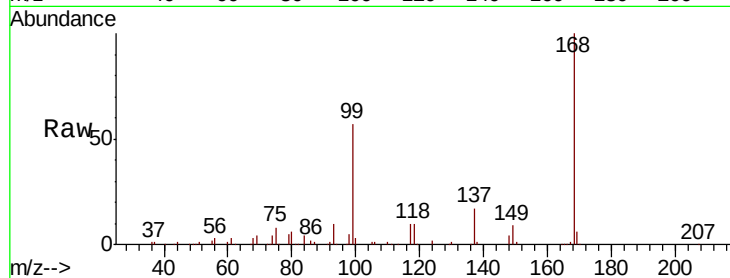
Tot Ion:117 Resp: 16375

Ion Ratio Lower Upper

117 100

119 3.6 76.4 114.6#

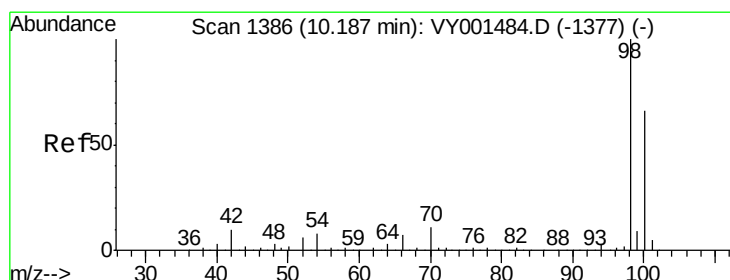
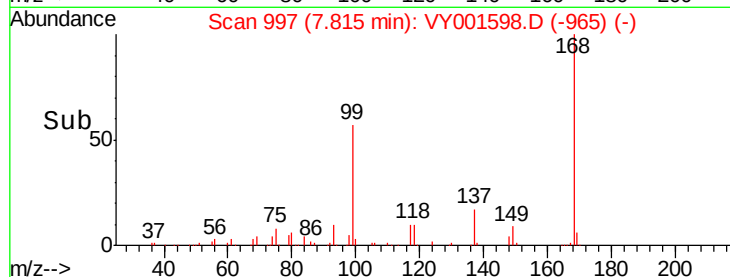
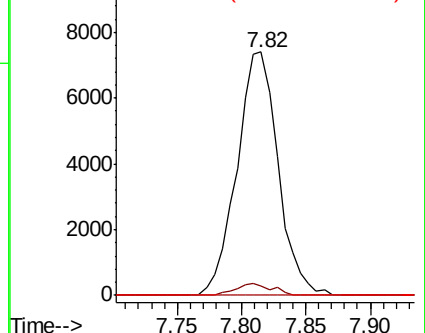
121 0.0 24.2 36.4#



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: 54.573 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001598.D

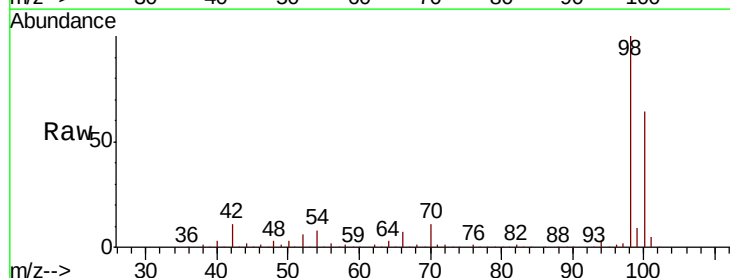
Acq: 11 Feb 2020 14:52

Tgt Ion: 98 Resp: 359264

Ion Ratio Lower Upper

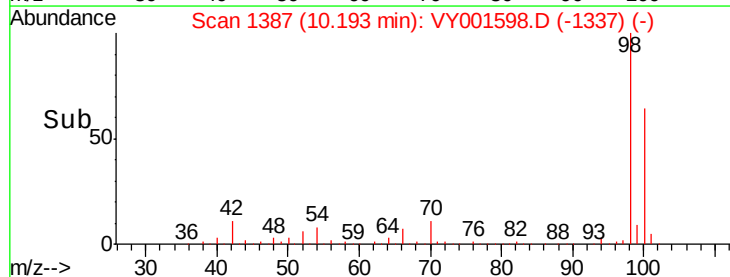
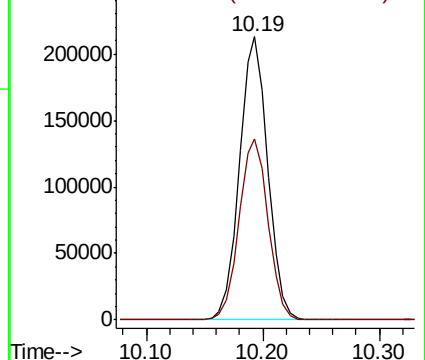
98 100

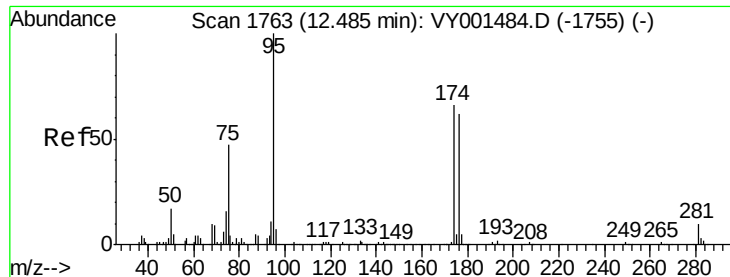
100 65.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

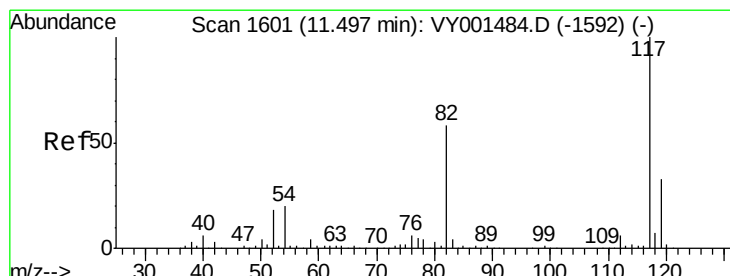
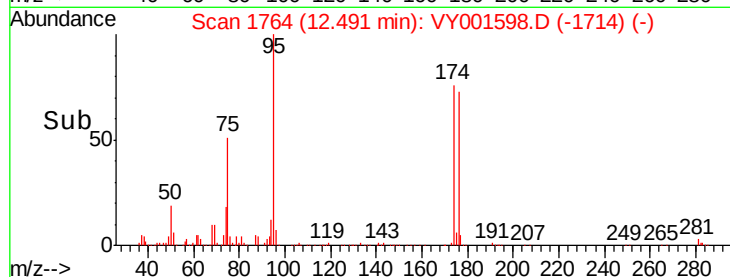
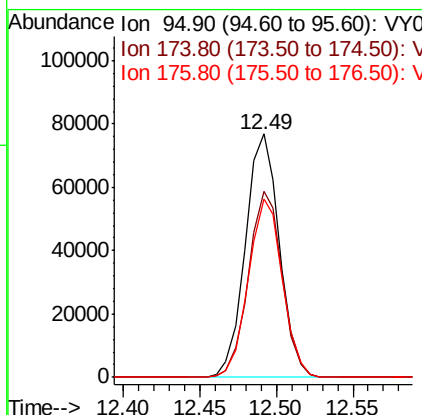
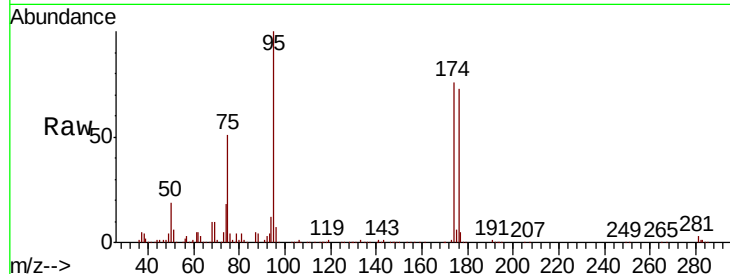




#62
4-Bromofluorobenzene
Concen: 45.666 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001598.D
Acq: 11 Feb 2020 14:52

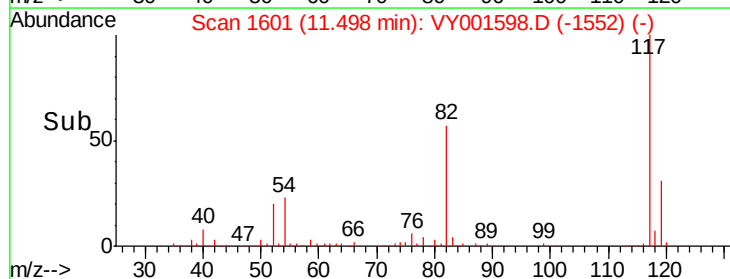
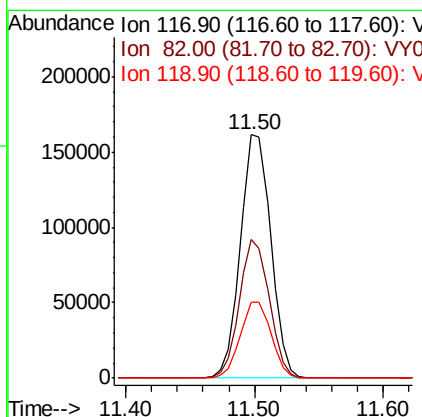
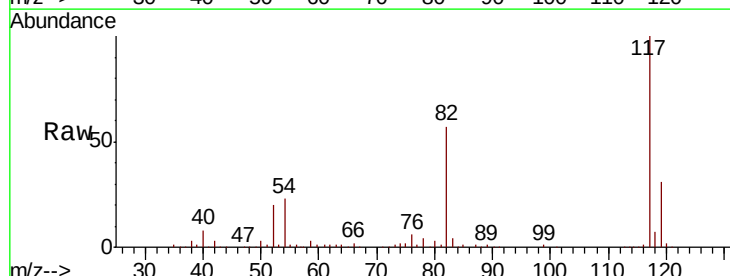
Instrument :
MSVOA_Y
ClientSampled :

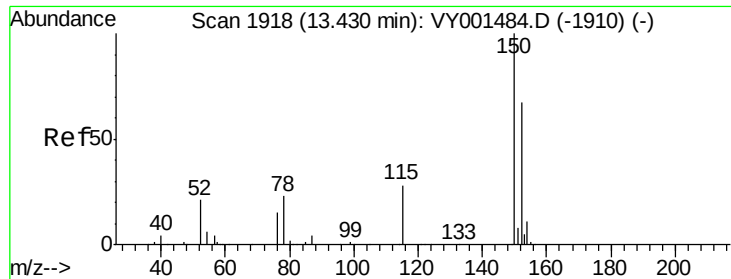
Tot Ion	95	Resp	118430
Ion Ratio	Lower	Upper	
95	100		
174	75.6	0.0	141.4
176	73.4	0.0	135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001598.D
Acq: 11 Feb 2020 14:52

Tgt Ion	117	Resp	263763
Ion Ratio	Lower	Upper	
117	100		
82	57.0	46.1	69.1
119	31.4	26.1	39.1



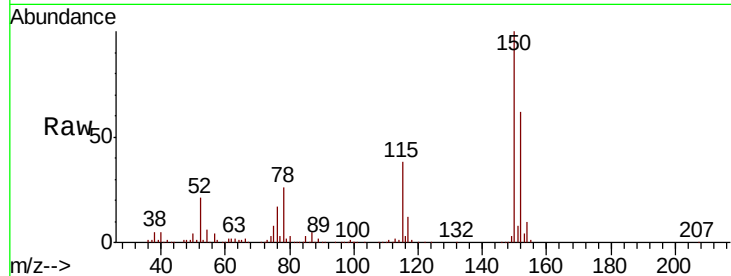


#72

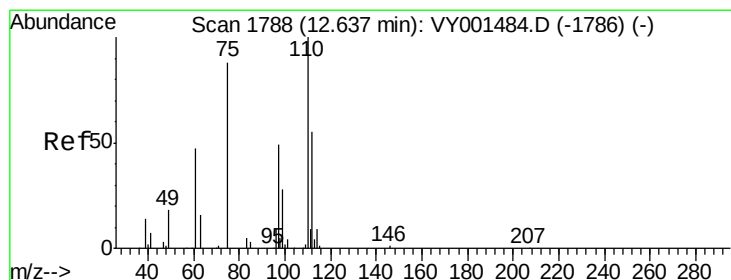
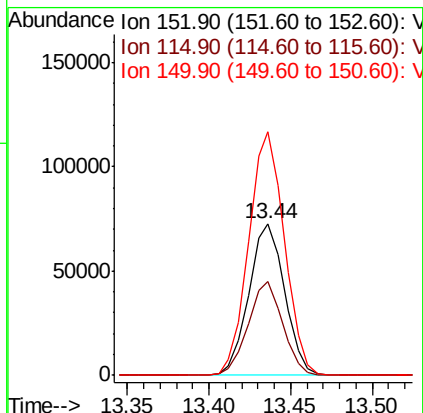
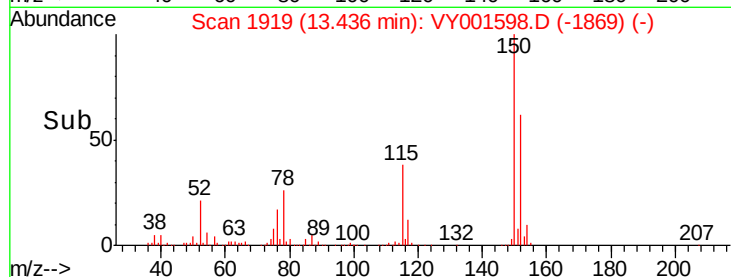
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001598.D
Acq: 11 Feb 2020 14:52

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 110858
Ion Ratio Lower Upper
152 100
115 60.0 31.4 94.3
150 160.4 0.0 346.8



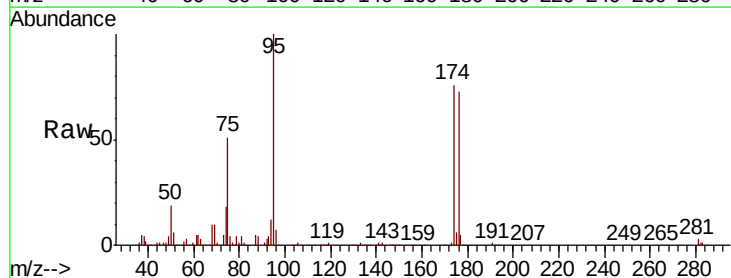
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



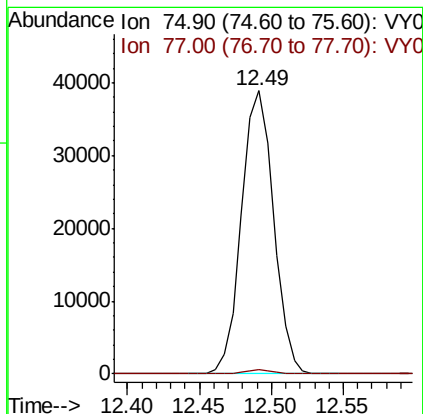
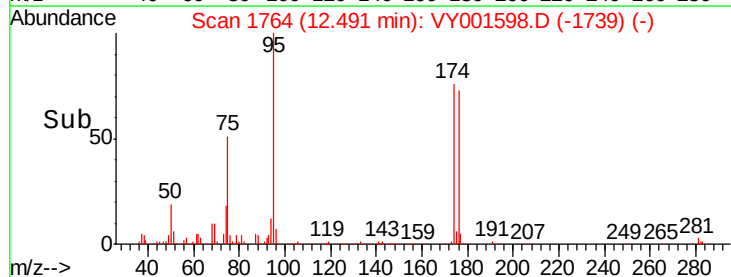
#76

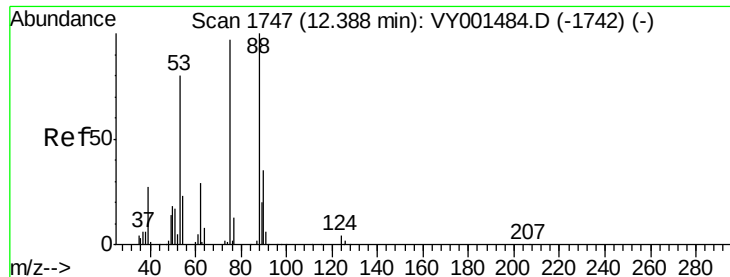
1,2,3-Trichloropropane
Concen: 50.406 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.15 min
Lab File: VY001598.D
Acq: 11 Feb 2020 14:52

Tgt Ion: 75 Resp: 60092
Ion Ratio Lower Upper
75 100
77 1.2 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: 97.532 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001598.D

Acq: 11 Feb 2020 14:52

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 60092

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 34.6 52.0#

