

Data File : VY001504.D
Acq On : 05 Feb 2020 14:14
Operator : SY/MD
Sample : L1360-02
Misc : 16.20G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-2

Quant Time: Feb 06 06:38:29 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	170034	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	325121	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	306323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	144329	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	109553	63.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.98%	
35) Dibromofluoromethane	7.75	113	99991	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	
50) Toluene-d8	10.19	98	390920	55.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.22%	
62) 4-Bromofluorobenzene	12.49	95	155333	55.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.18%	

Target Compounds

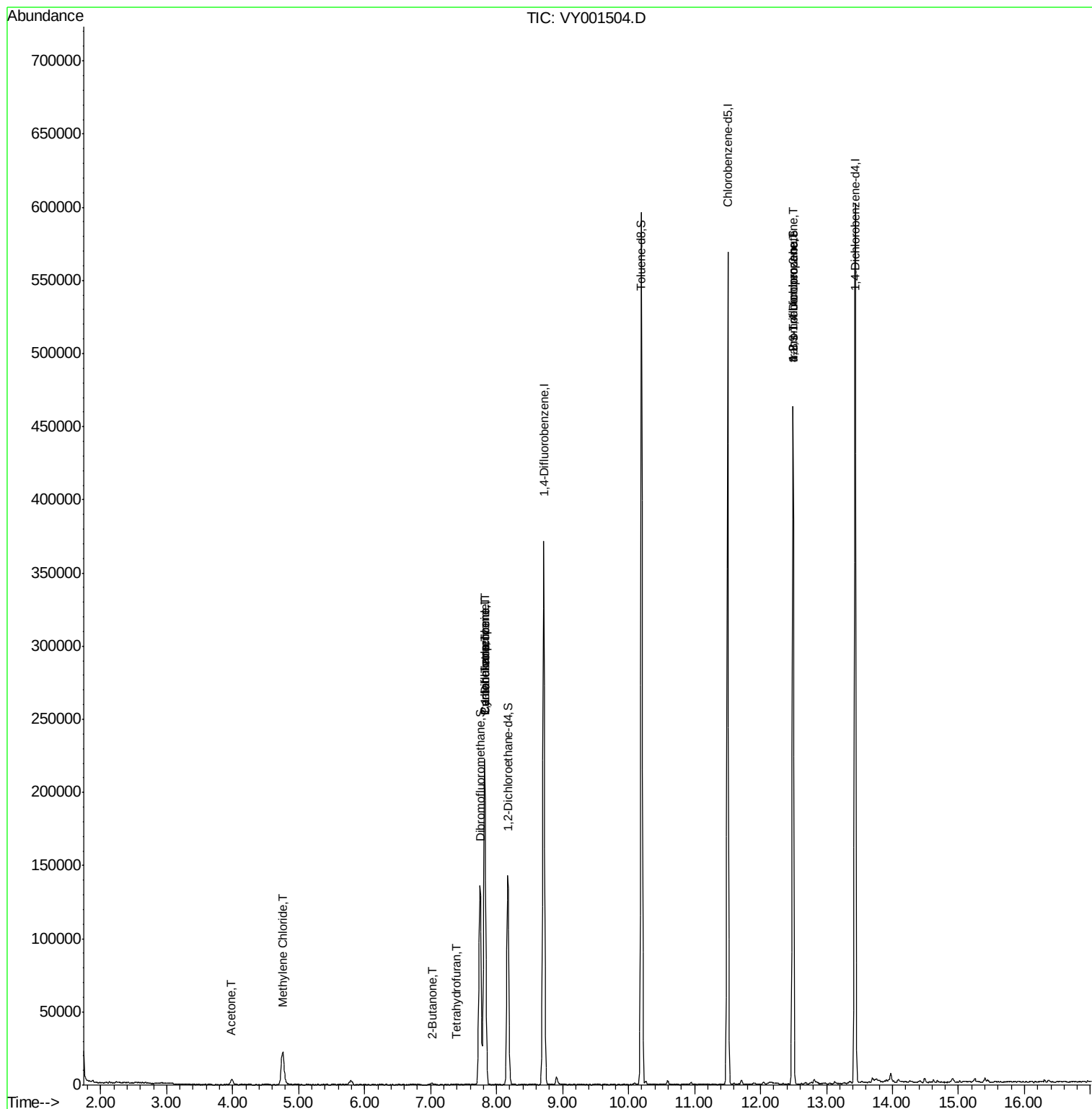
						Qvalue
11) Tert butyl alcohol	4.98	59	97	Below Cal	#	76
16) Acetone	3.98	43	6659	13.447	ug/l	100
20) Methylene Chloride	4.77	84	17881	4.965	ug/l	98
25) 2-Butanone	7.04	43	797	1.241	ug/l	93
29) Tetrahydrofuran	7.39	42	440	1.143	ug/l #	58
31) Cyclohexane	7.82	56	3668	1.100	ug/l #	13
36) 1,1-Dichloropropene	7.82	75	14135	4.752	ug/l #	48
38) Carbon Tetrachloride	7.82	117	17678	6.143	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	76554	49.322	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	76554	95.436	ug/l #	16

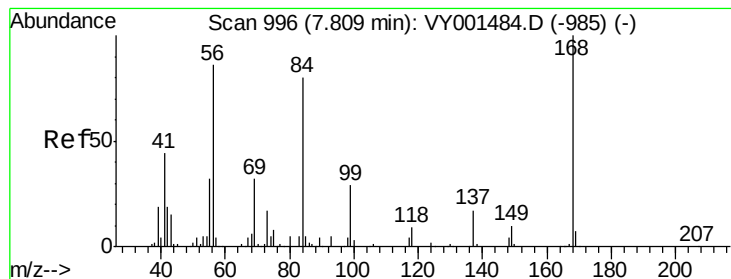
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001504.D

Acq: 05 Feb 2020 14:14

Instrument :

MSVOA_Y

ClientSampled :

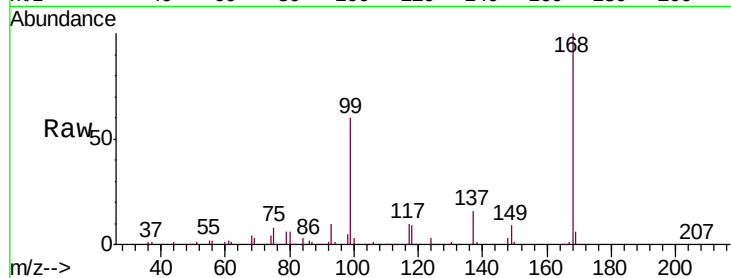
TP-2

Tgt Ion: 168 Resp: 170034

Ion Ratio Lower Upper

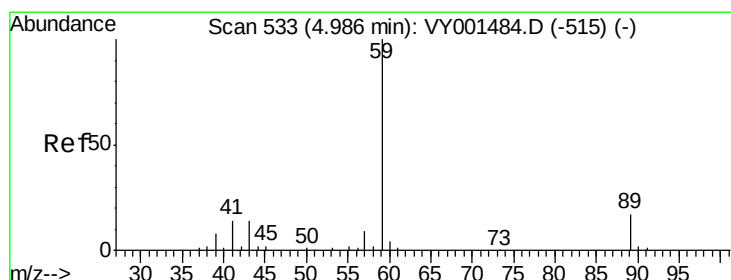
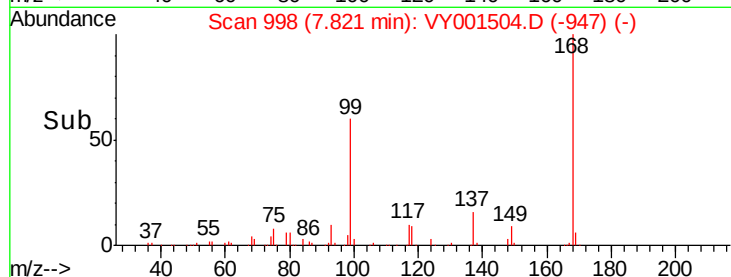
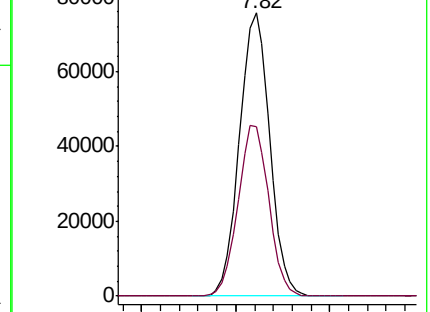
168 100

99 60.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001504.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001504.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001504.D

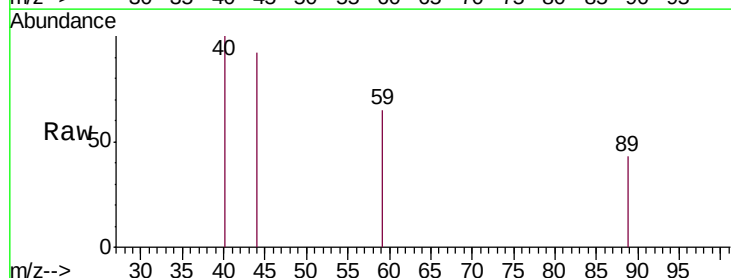
Acq: 05 Feb 2020 14:14

Tgt Ion: 59 Resp: 97

Ion Ratio Lower Upper

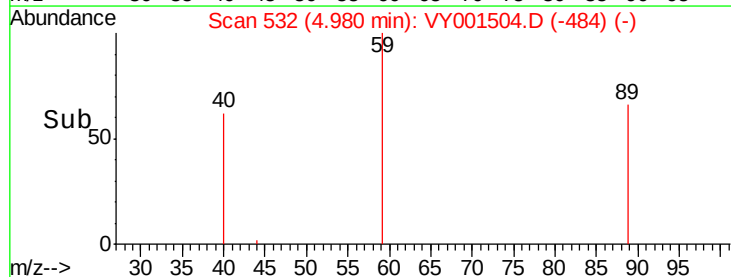
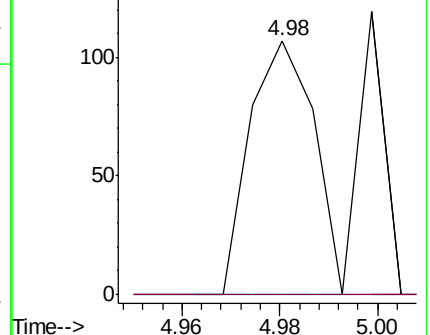
59 100

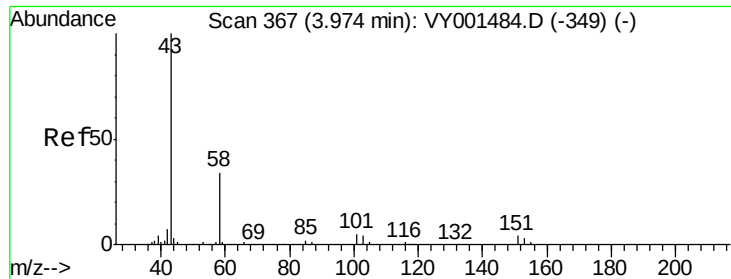
57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001504.D (-484) (-)

Ion 57.00 (56.70 to 57.70): VY001504.D (-484) (-)

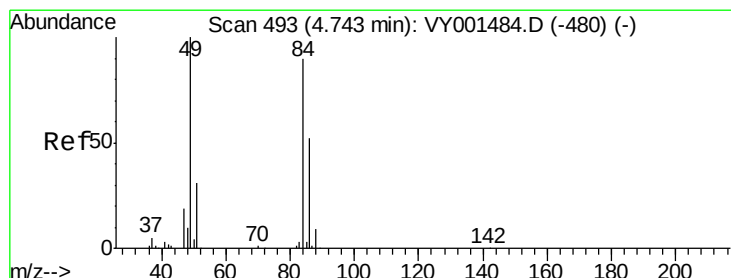
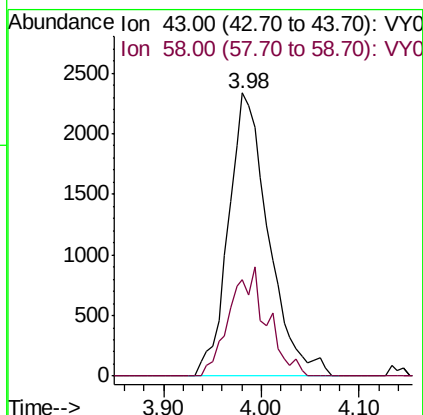
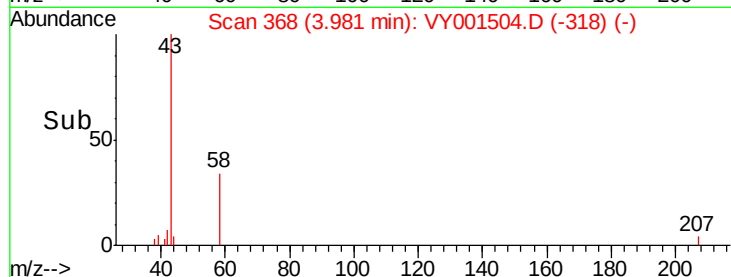
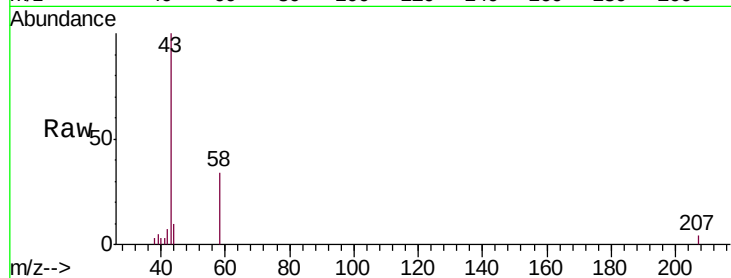




#16
Acetone
Concen: 13.447 ug/l
RT: 3.98 min Scan# 368
Delta R.T. 0.01 min
Lab File: VY001504.D
Acq: 05 Feb 2020 14:14

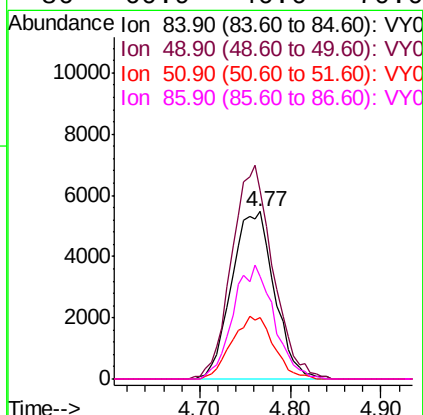
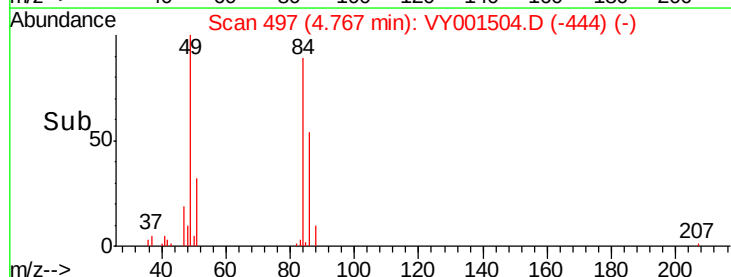
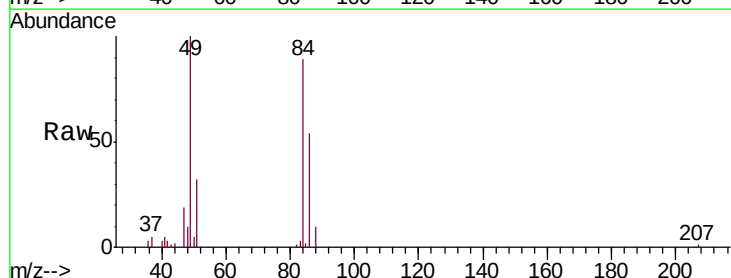
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

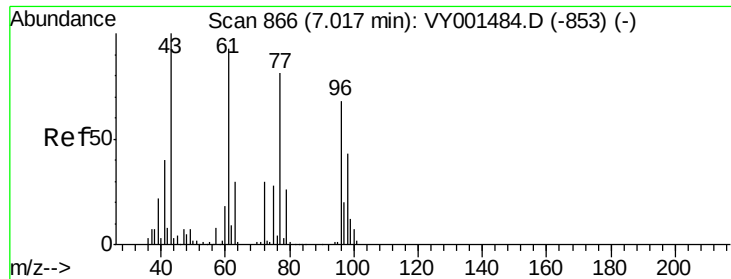
Tgt Ion: 43 Resp: 6659
Ion Ratio Lower Upper
43 100
58 34.2 27.5 41.3



#20
Methylene Chloride
Concen: 4.965 ug/l
RT: 4.77 min Scan# 497
Delta R.T. 0.03 min
Lab File: VY001504.D
Acq: 05 Feb 2020 14:14

Tgt Ion: 84 Resp: 17881
Ion Ratio Lower Upper
84 100
49 112.1 89.0 133.6
51 36.4 27.4 41.2
86 60.9 46.6 70.0

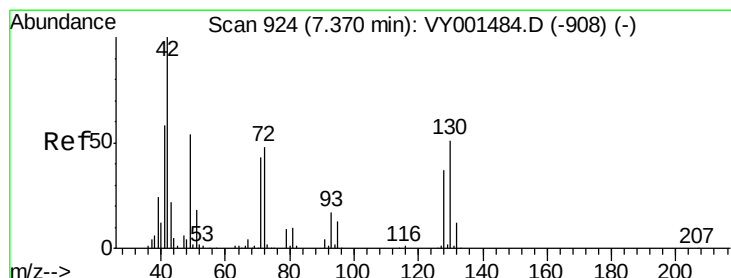
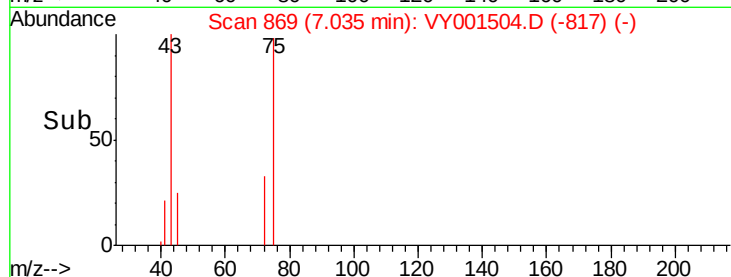
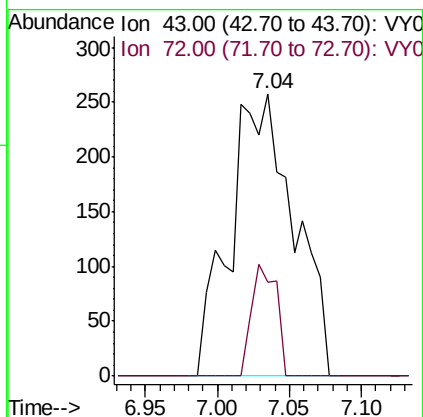
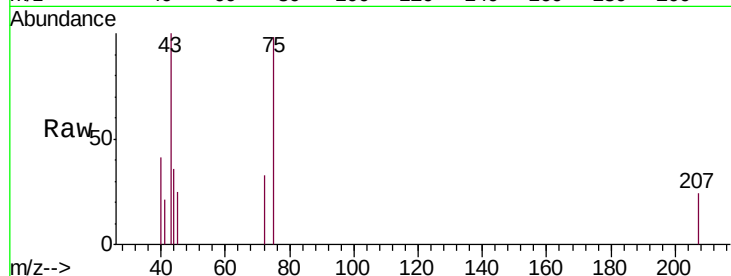




#25
2-Butanone
Concen: 1.241 ug/l
RT: 7.04 min Scan# 869
Delta R.T. 0.02 min
Lab File: VY001504.D
Acq: 05 Feb 2020 14:14

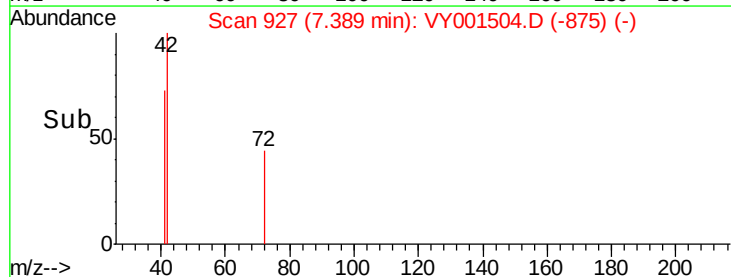
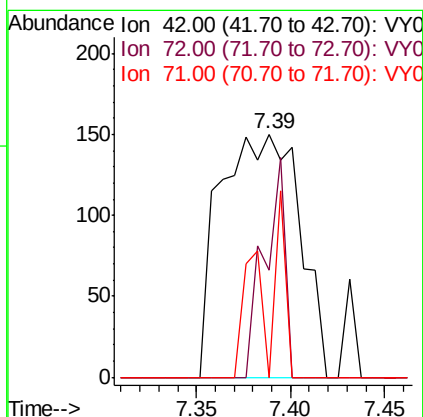
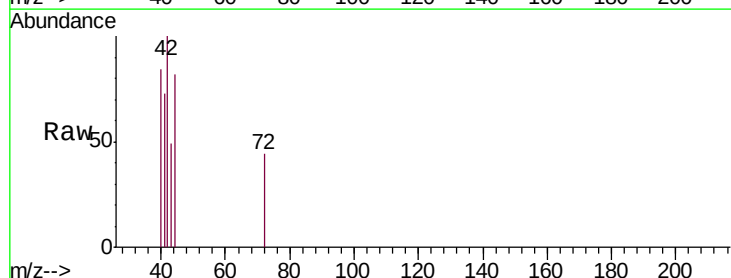
Instrument :
MSVOA_Y
ClientSampled :
TP-2

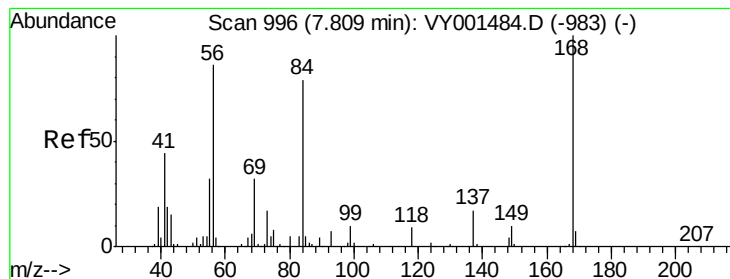
Tgt Ion: 43 Resp: 797
Ion Ratio Lower Upper
43 100
72 33.3 23.8 35.8



#29
Tetrahydrofuran
Concen: 1.143 ug/l
RT: 7.39 min Scan# 927
Delta R.T. 0.02 min
Lab File: VY001504.D
Acq: 05 Feb 2020 14:14

Tgt Ion: 42 Resp: 440
Ion Ratio Lower Upper
42 100
72 23.6 37.8 56.6#
71 12.3 34.8 52.2#





#31

Cyclohexane

Concen: 1.100 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001504.D

Acq: 05 Feb 2020 14:14

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

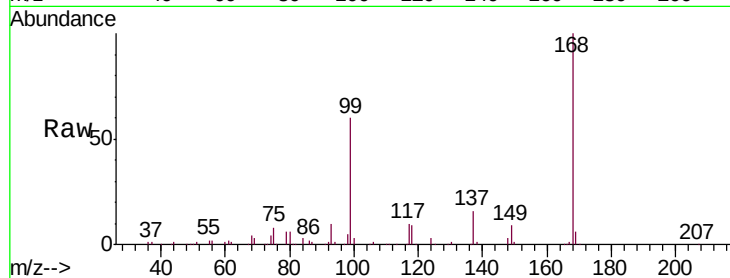
Tgt Ion: 56 Resp: 3668

Ion Ratio Lower Upper

56 100

69 149.8 29.6 44.4#

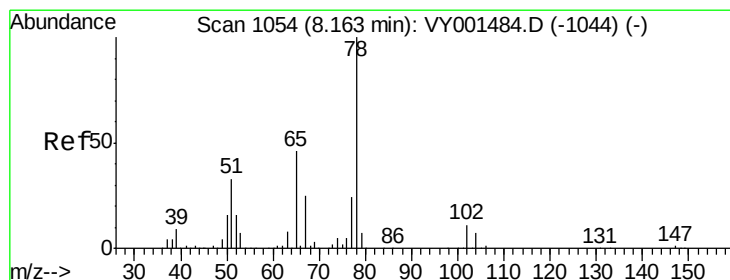
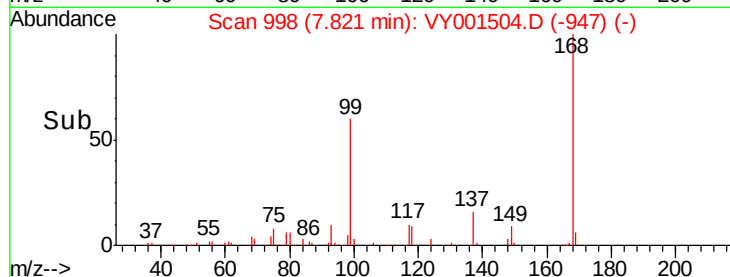
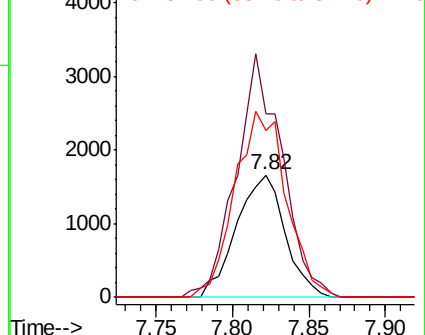
84 136.0 73.6 110.4#



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: 63.991 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY001504.D

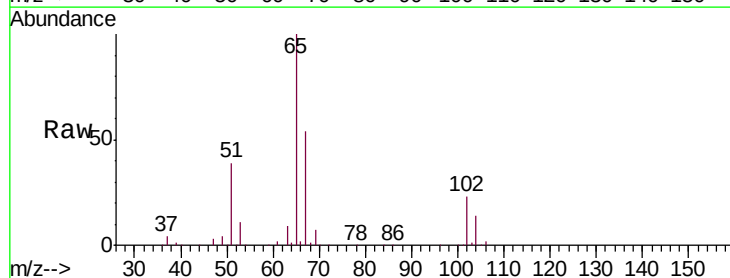
Acq: 05 Feb 2020 14:14

Tgt Ion: 65 Resp: 109553

Ion Ratio Lower Upper

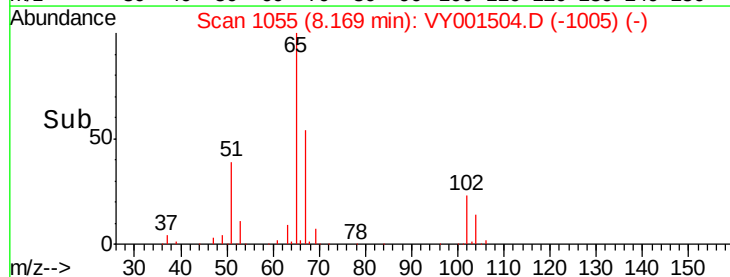
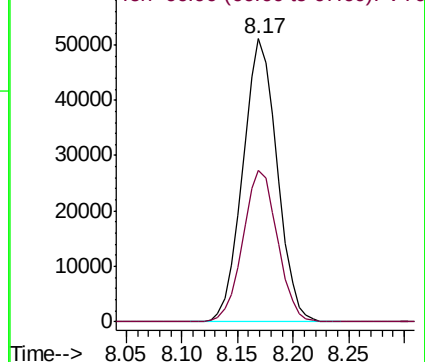
65 100

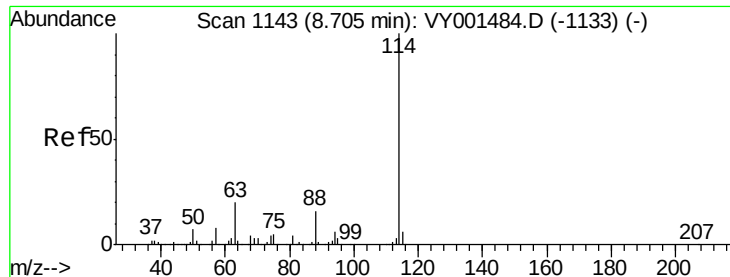
67 53.8 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

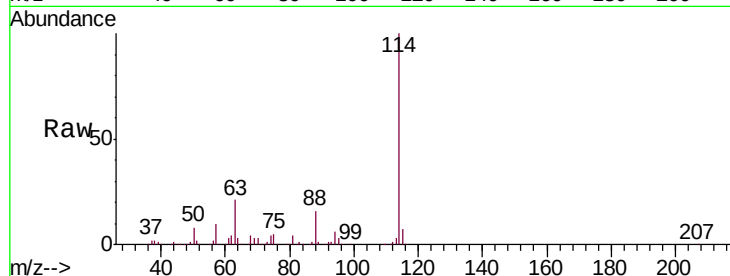




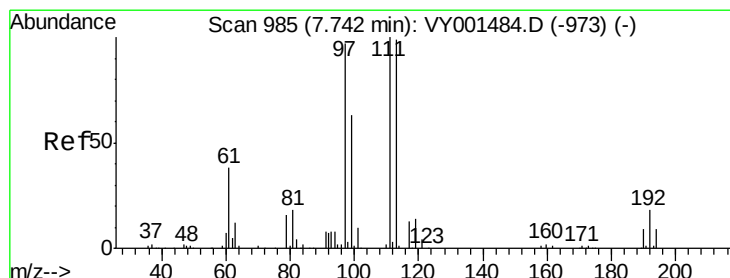
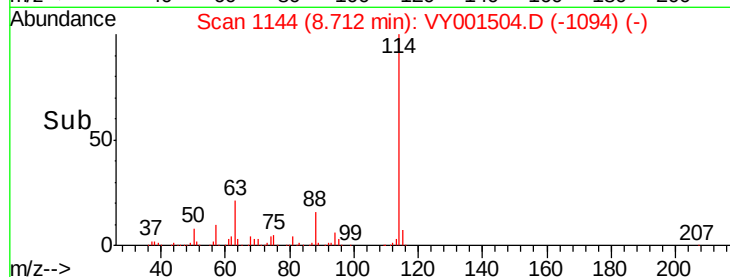
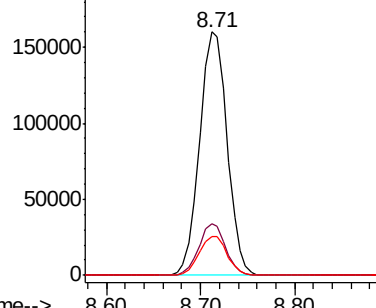
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001504.D
 Acq: 05 Feb 2020 14:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2

Tgt Ion:114 Resp: 325121
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 39.8
 88 16.2 0.0 32.6

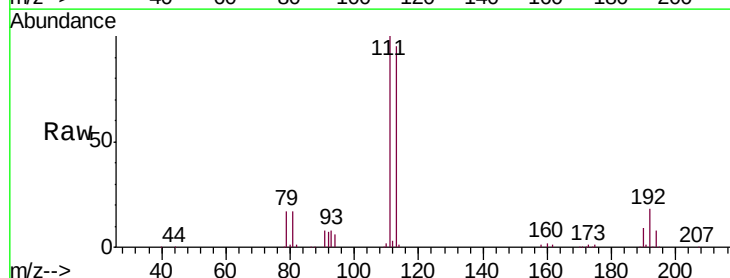


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

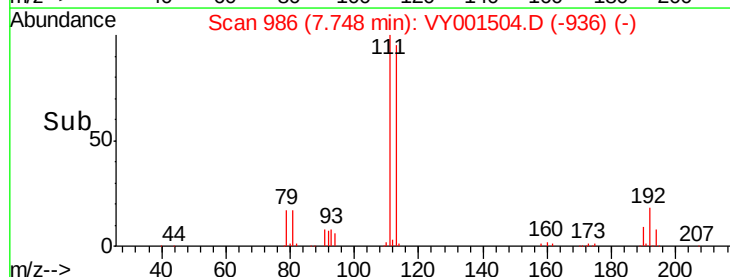
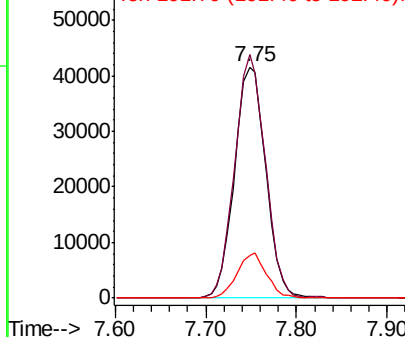


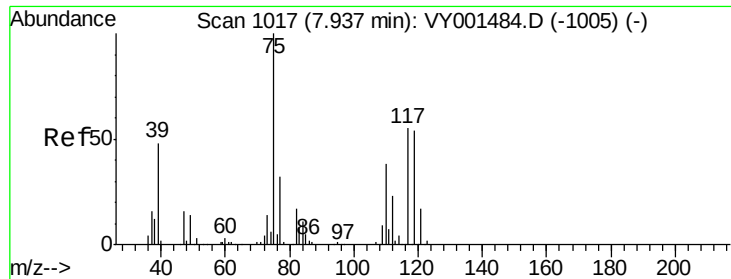
#35
 Dibromofluoromethane
 Concen: 53.334 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY001504.D
 Acq: 05 Feb 2020 14:14

Tgt Ion:113 Resp: 99991
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.9 124.3
 192 18.2 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

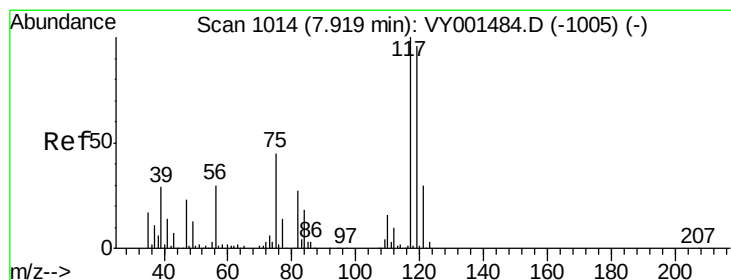
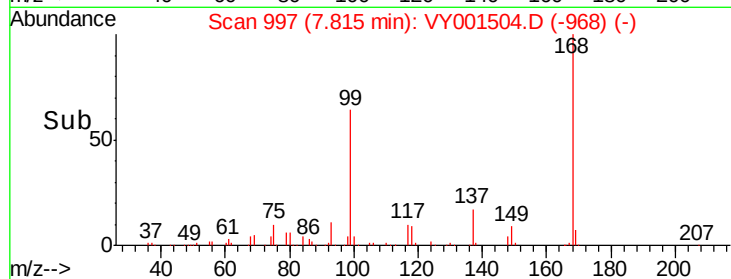
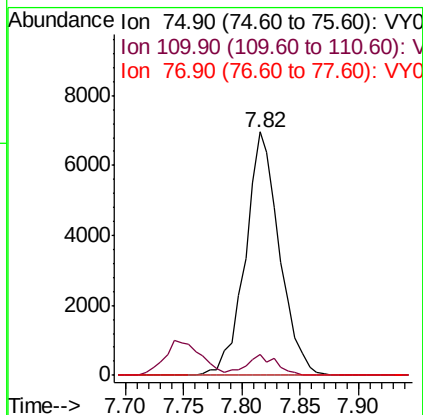
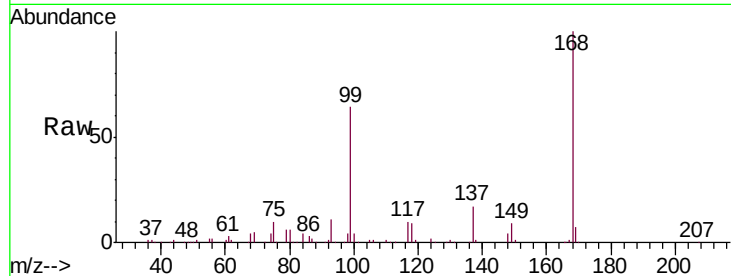




#36
 1,1-Dichloropropene
 Concen: 4.752 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY001504.D
 Acq: 05 Feb 2020 14:14

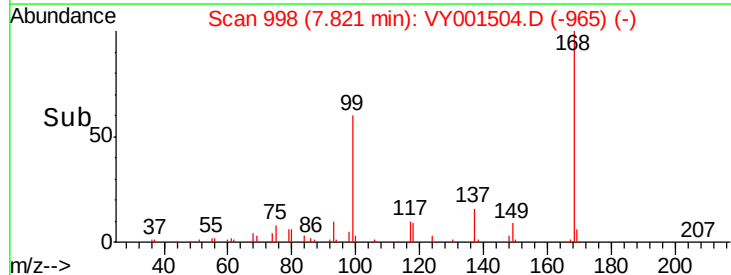
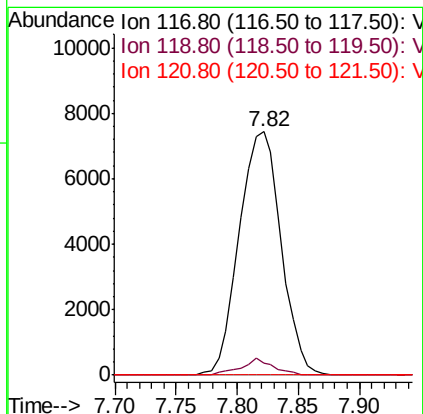
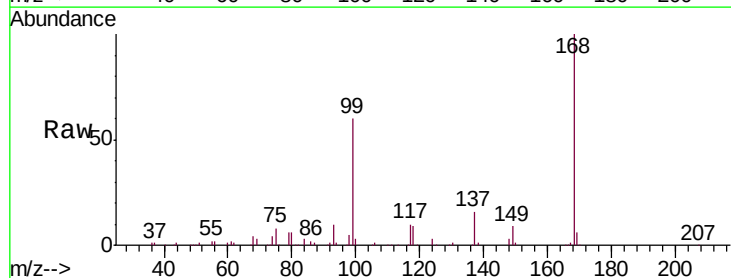
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2

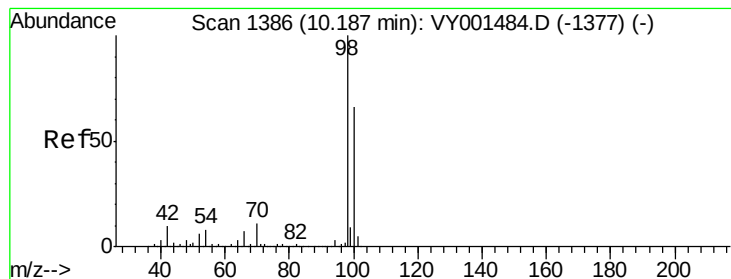
Tgt Ion: 75 Resp: 14135
 Ion Ratio Lower Upper
 75 100
 110 7.4 18.2 54.6#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.143 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY001504.D
 Acq: 05 Feb 2020 14:14

Tgt Ion: 117 Resp: 17678
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.4 114.6#
 121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 55.112 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001504.D

Acq: 05 Feb 2020 14:14

Instrument :

MSVOA_Y

ClientSampled :

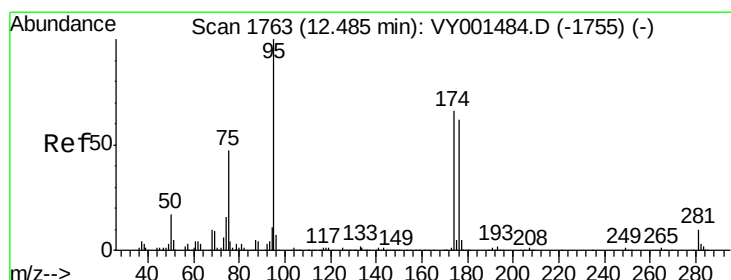
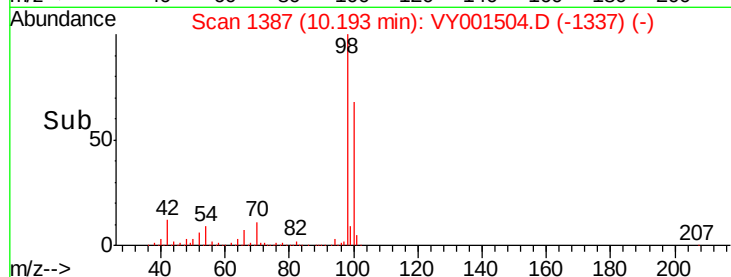
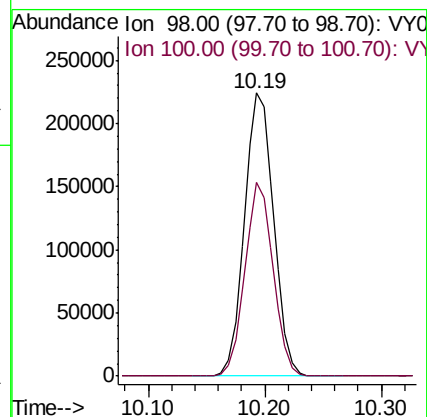
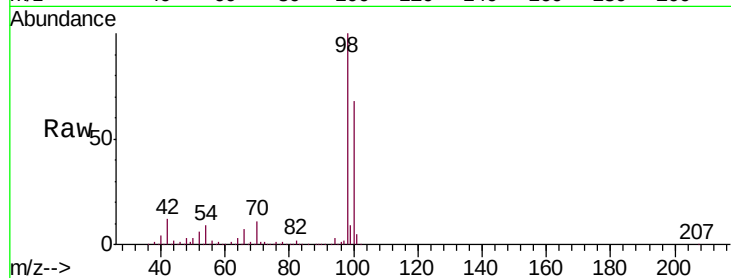
TP-2

Tgt Ion: 98 Resp: 390920

Ion Ratio Lower Upper

98 100

100 66.2 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 55.589 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001504.D

Acq: 05 Feb 2020 14:14

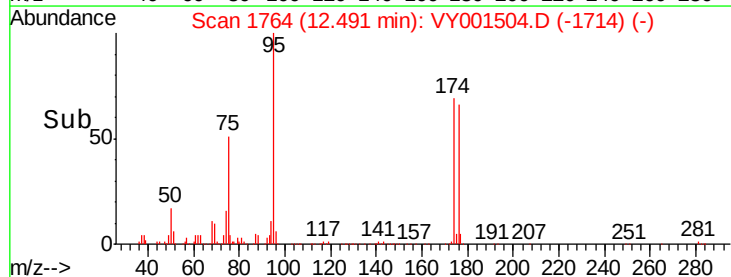
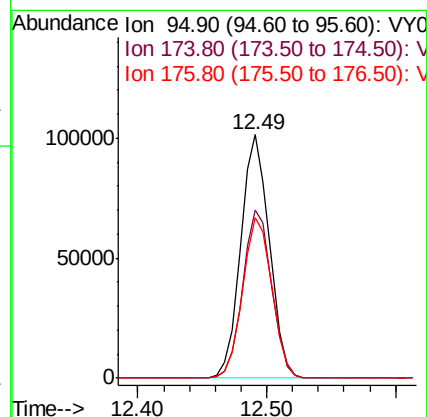
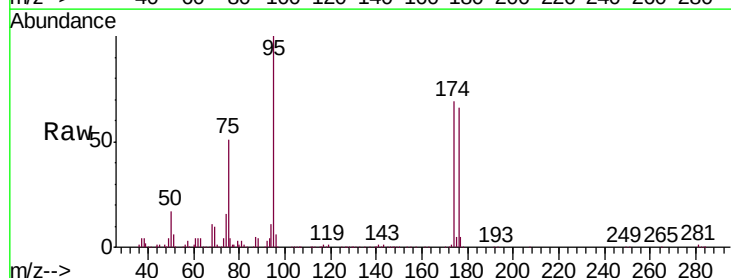
Tgt Ion: 95 Resp: 155333

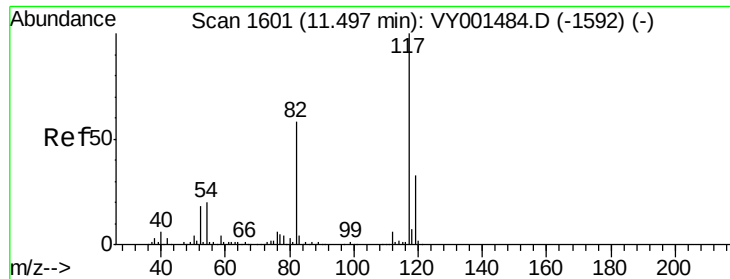
Ion Ratio Lower Upper

95 100

174 69.6 0.0 141.4

176 67.1 0.0 135.4

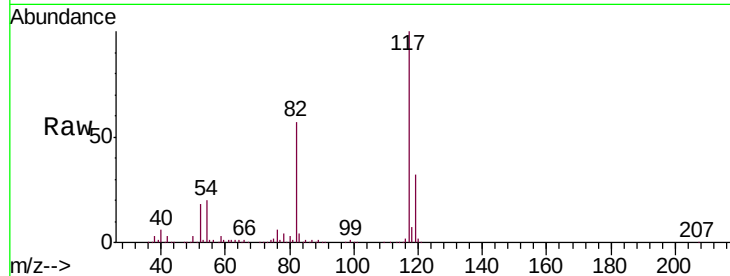




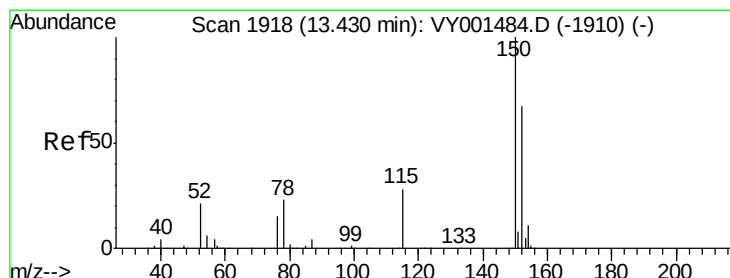
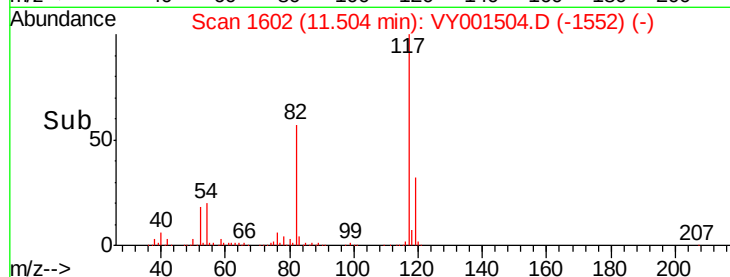
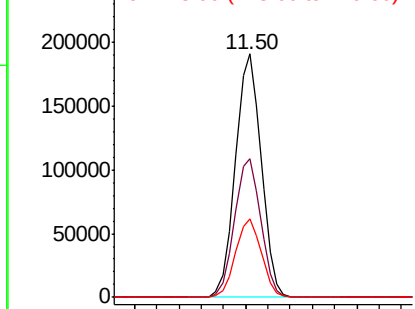
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001504.D
Acq: 05 Feb 2020 14:14

Instrument :
MSVOA_Y
ClientSampleId :
TP-2

Tgt Ion:117 Resp: 306323
Ion Ratio Lower Upper
117 100
82 57.1 46.1 69.1
119 32.4 26.1 39.1

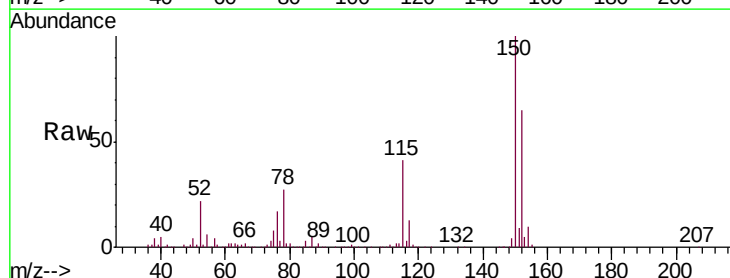


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

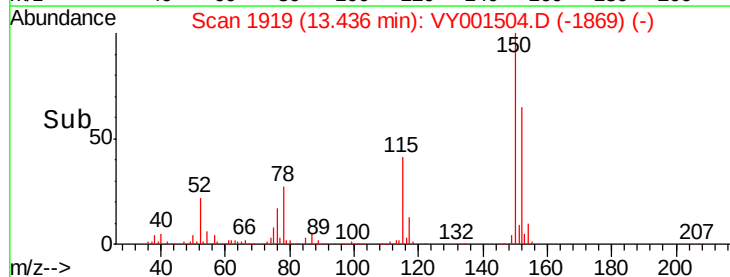
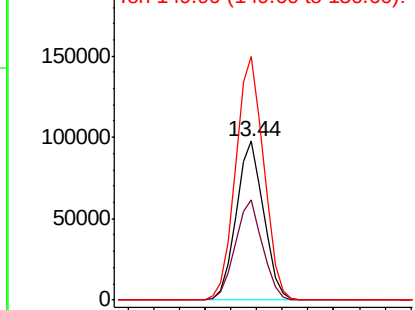


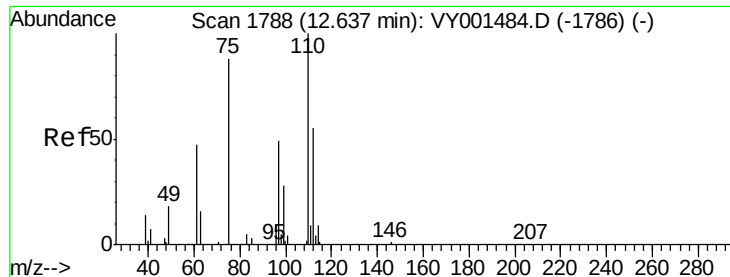
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001504.D
Acq: 05 Feb 2020 14:14

Tgt Ion:152 Resp: 144329
Ion Ratio Lower Upper
152 100
115 62.9 31.4 94.3
150 156.7 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: 49.322 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001504.D

Acq: 05 Feb 2020 14:14

Instrument :

MSVOA_Y

ClientSampleId :

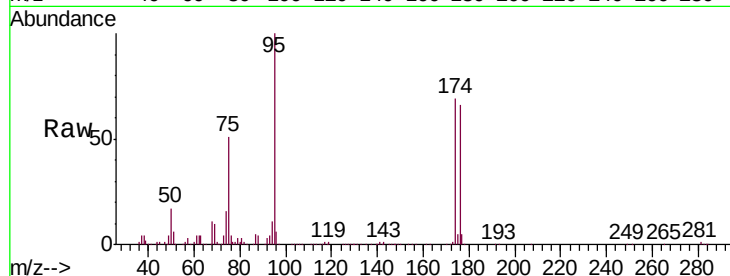
TP-2

Tgt Ion: 75 Resp: 76554

Ion Ratio Lower Upper

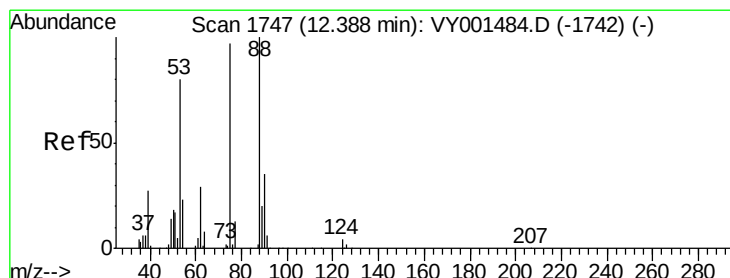
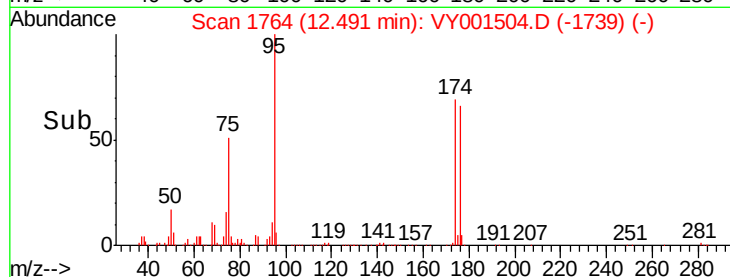
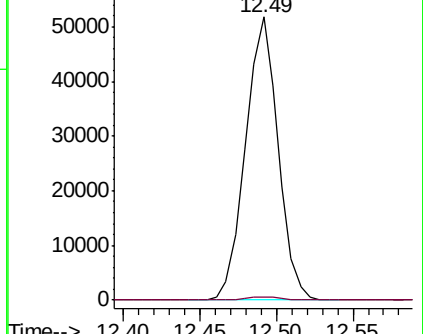
75 100

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: 95.436 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001504.D

Acq: 05 Feb 2020 14:14

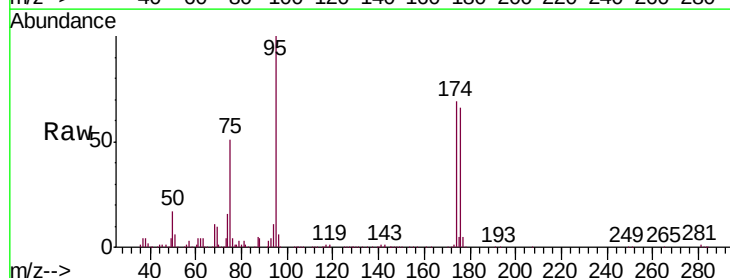
Tgt Ion: 75 Resp: 76554

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 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

