

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
 Data File : VY001570.D
 Acq On : 07 Feb 2020 21:13
 Operator : SY/MD
 Sample : L1449-02
 Misc : 4.99G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 08 01:29:13 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	7.83	168	171399	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	299605	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	266539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	116708	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.18	65	97337	56.40	ug/l	0.01
Spiked Amount			Recovery	=	112.80%	
35) Dibromofluoromethane	7.76	113	86392	50.01	ug/l	0.02
Spiked Amount			Recovery	=	100.02%	
50) Toluene-d8	10.20	98	356381	54.52	ug/l	0.01
Spiked Amount			Recovery	=	109.04%	
62) 4-Bromofluorobenzene	12.49	95	119162	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	

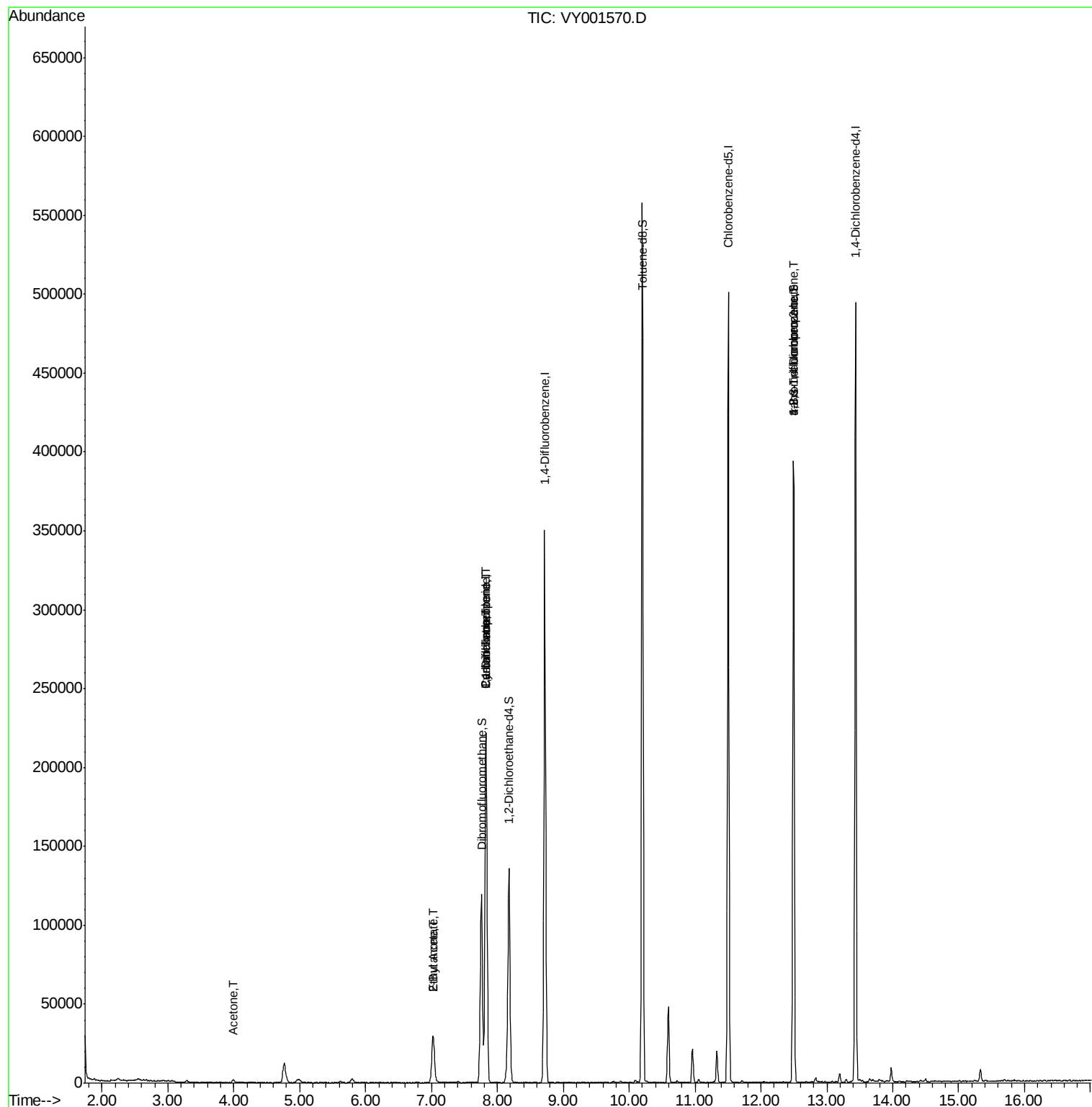
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	2777	Below Cal	#	76
16) Acetone	3.99	43	3299	6.609	ug/l #	83
20) Methylene Chloride	4.77	84	9194	Below Cal		94
25) 2-Butanone	7.02	43	2557	3.948	ug/l #	84
31) Cyclohexane	7.83	56	3692	1.099	ug/l #	1
36) 1,1-Dichloropropene	7.83	75	13547	4.943	ug/l #	48
37) Ethyl Acetate	7.02	43	2557	1.927	ug/l #	35
38) Carbon Tetrachloride	7.83	117	16474	6.212	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	60838	48.473	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	60838	93.794	ug/l #	16

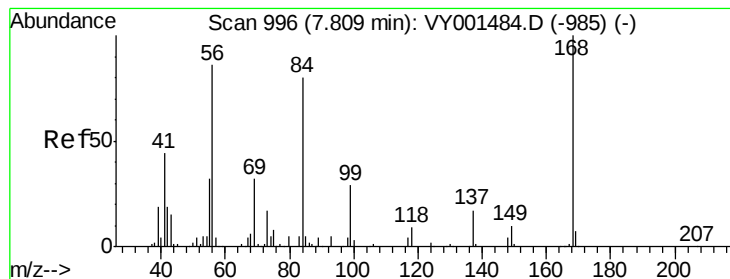
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.02 min

Lab File: VY001570.D

Acq: 07 Feb 2020 21:13

Instrument :

MSVOA_Y

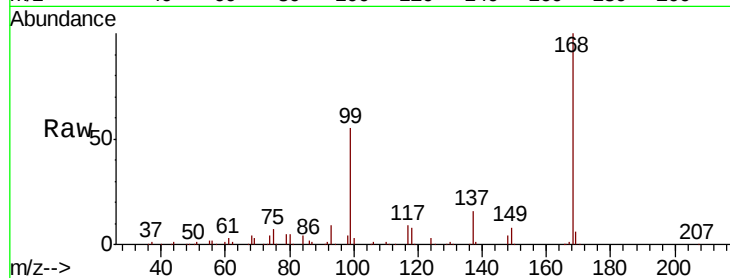
ClientSampleId :

Tot Ion:168 Resp: 171399

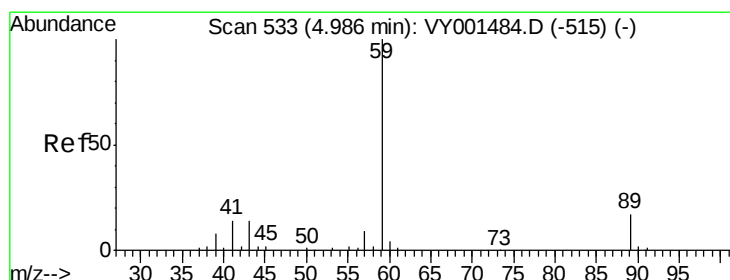
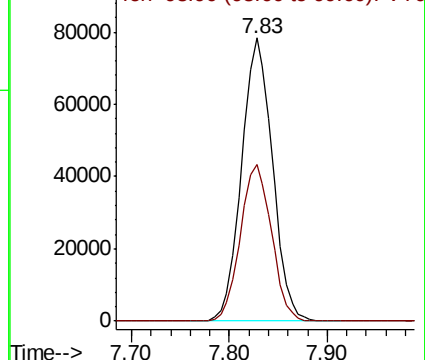
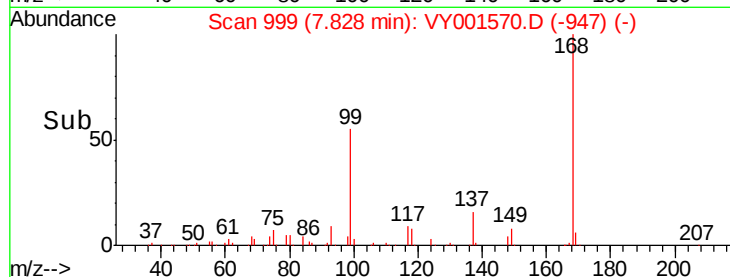
Ion Ratio Lower Upper

168 100

99 55.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001570.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. 0.00 min

Lab File: VY001570.D

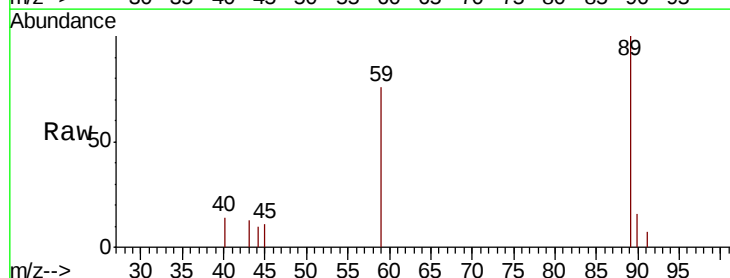
Acq: 07 Feb 2020 21:13

Tgt Ion: 59 Resp: 2777

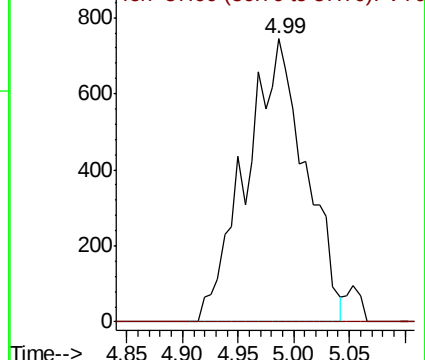
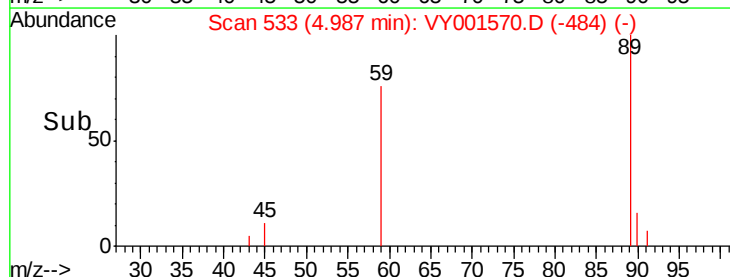
Ion Ratio Lower Upper

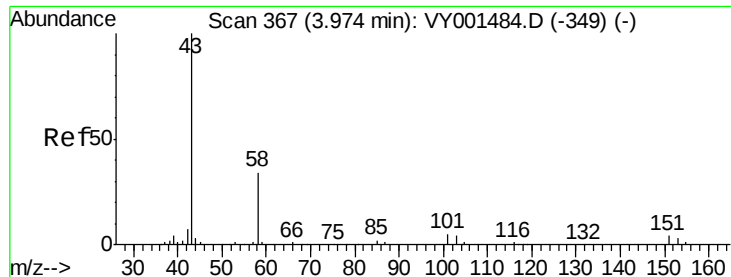
59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001570.D (-484) (-)





#16

Acetone

Concen: 6.609 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.02 min

Lab File: VY001570.D

Acq: 07 Feb 2020 21:13

Instrument :

MSVOA_Y

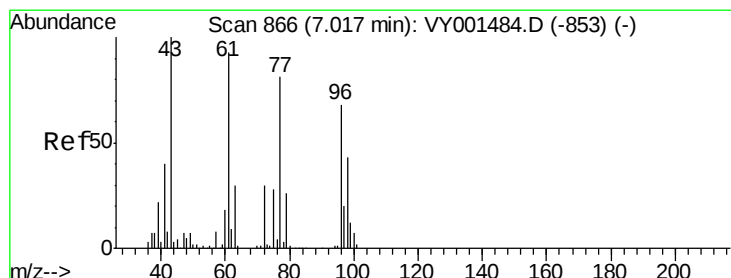
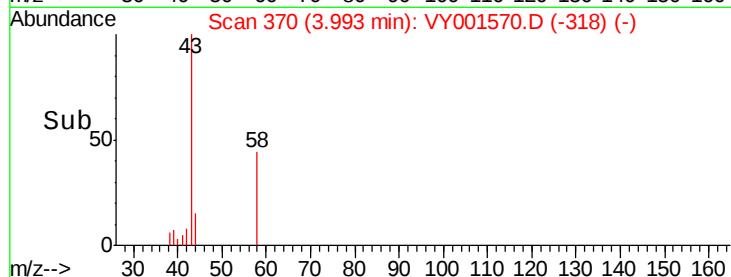
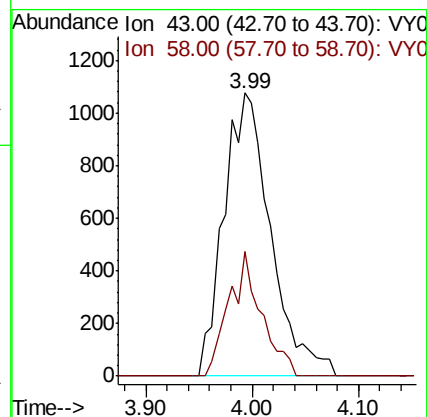
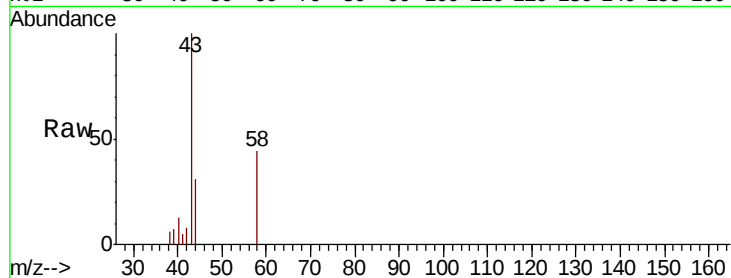
ClientSampleId :

Tot Ion: 43 Resp: 3299

Ion Ratio Lower Upper

43 100

58 44.1 27.5 41.3#



#25

2-Butanone

Concen: 3.948 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001570.D

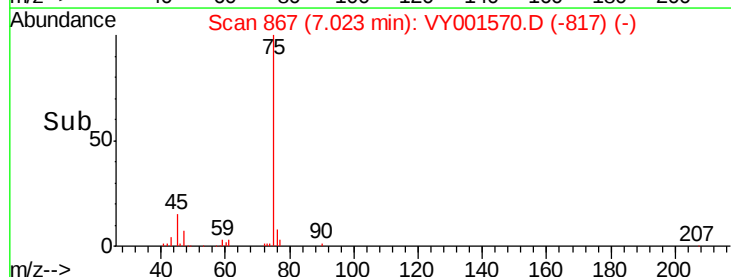
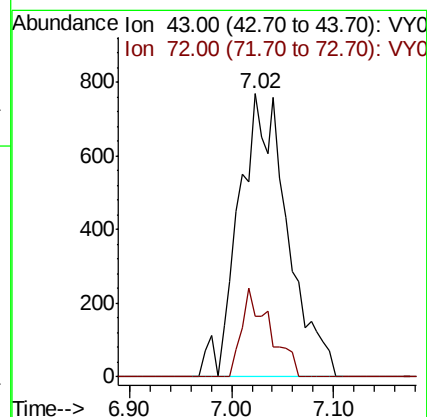
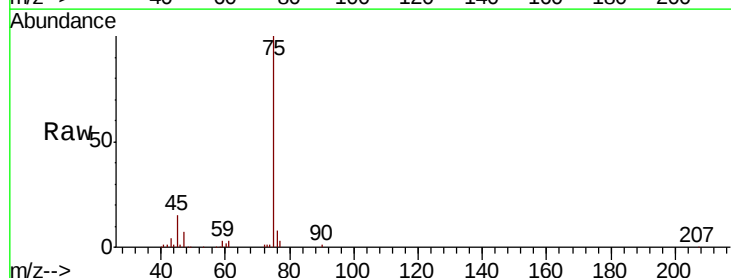
Acq: 07 Feb 2020 21:13

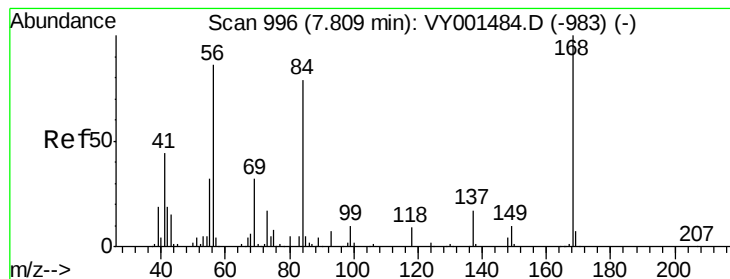
Tgt Ion: 43 Resp: 2557

Ion Ratio Lower Upper

43 100

72 21.4 23.8 35.8#





#31

Cyclohexane

Concen: 1.099 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.02 min

Lab File: VY001570.D

Acq: 07 Feb 2020 21:13

Instrument :
MSVOA_Y
ClientSampleId :

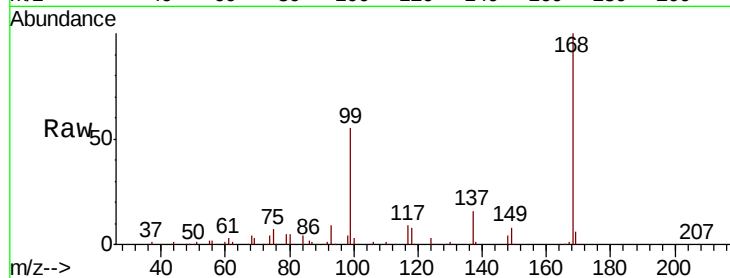
Tot Ion: 56 Resp: 3692

Ion Ratio Lower Upper

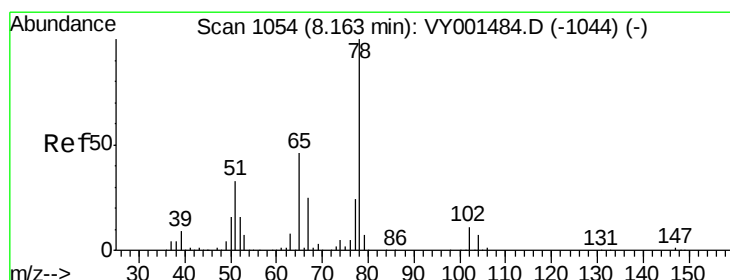
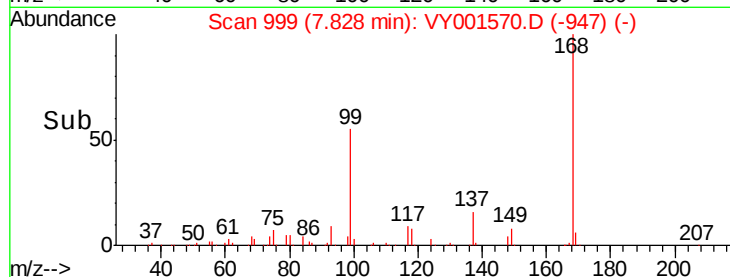
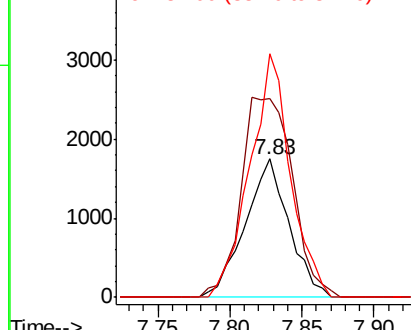
56 100

69 143.8 29.6 44.4#

84 176.3 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: 56.403 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001570.D

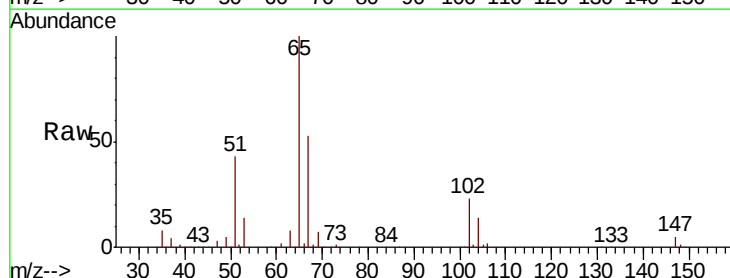
Acq: 07 Feb 2020 21:13

Tgt Ion: 65 Resp: 97337

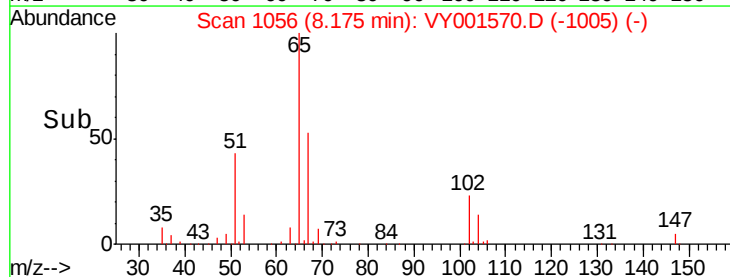
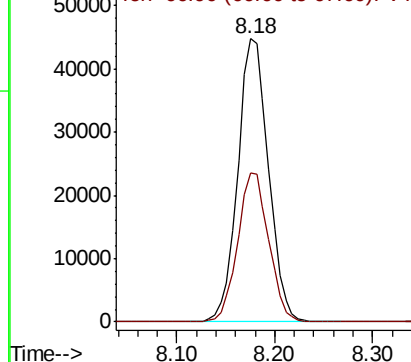
Ion Ratio Lower Upper

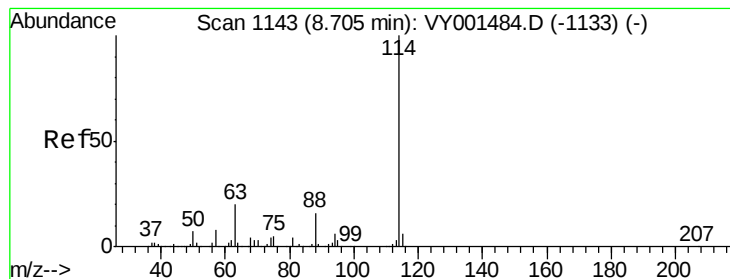
65 100

67 53.0 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: 8.72 min Scan# 1145

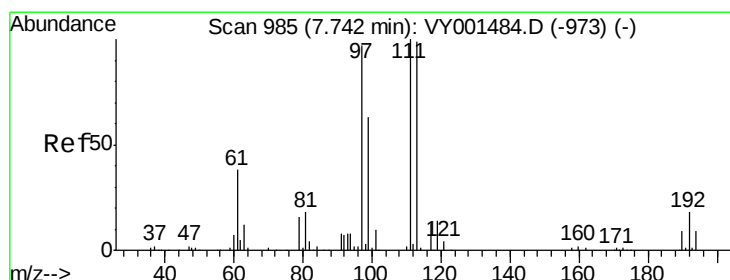
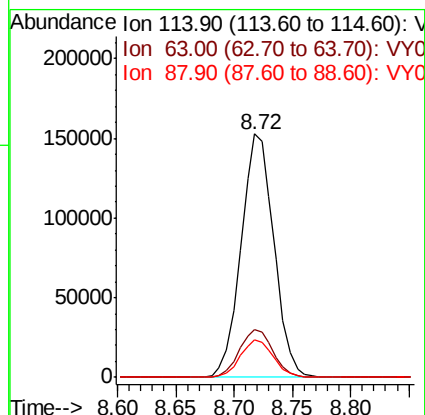
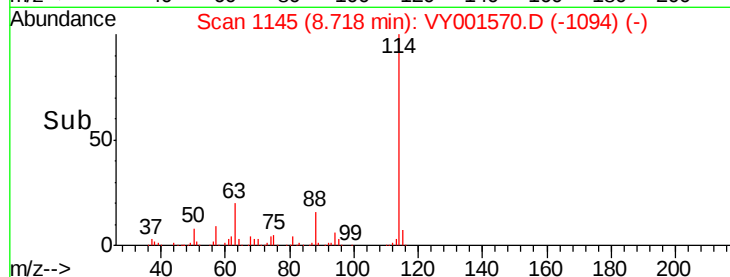
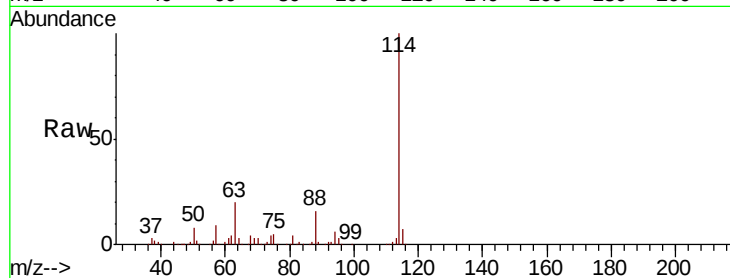
Delta R.T. 0.01 min

Lab File: VY001570.D

Acq: 07 Feb 2020 21:13

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:114	Resp:	299605
Ion Ratio	Lower	Upper
114 100		
63 19.8	0.0	39.8
88 15.6	0.0	32.6



#35

Dibromofluoromethane

Concen: 50.005 ug/l

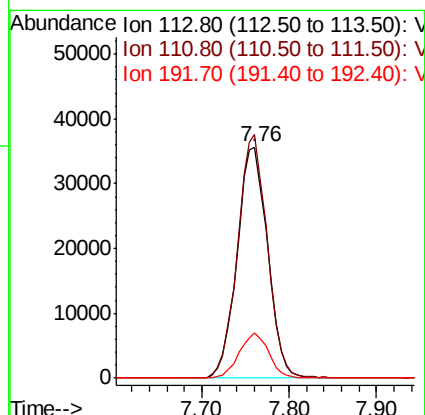
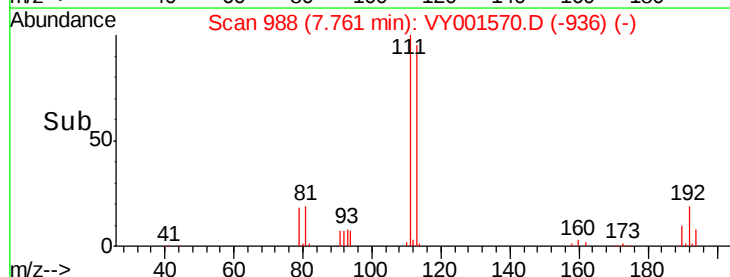
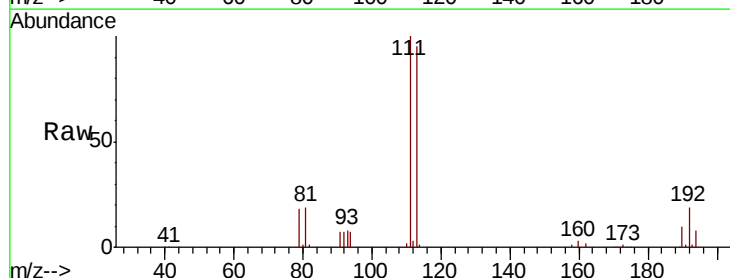
RT: 7.76 min Scan# 988

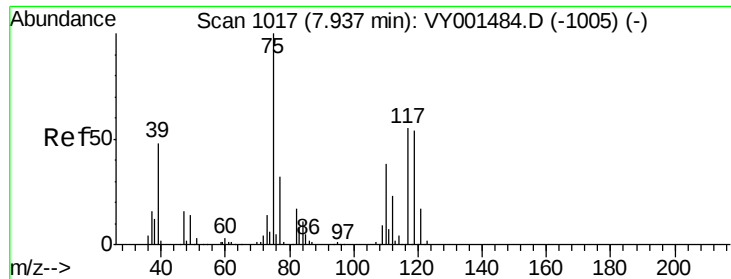
Delta R.T. 0.02 min

Lab File: VY001570.D

Acq: 07 Feb 2020 21:13

Tgt Ion:113	Resp:	86392
Ion Ratio	Lower	Upper
113 100		
111 102.6	82.9	124.3
192 18.8	14.6	22.0

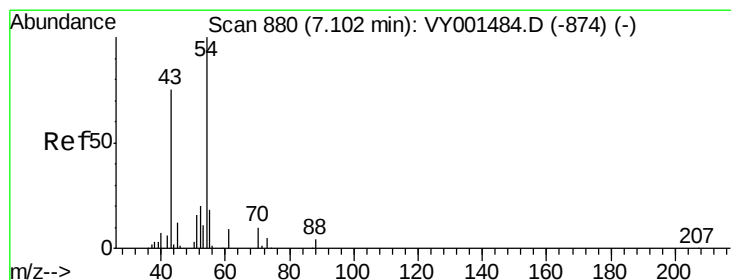
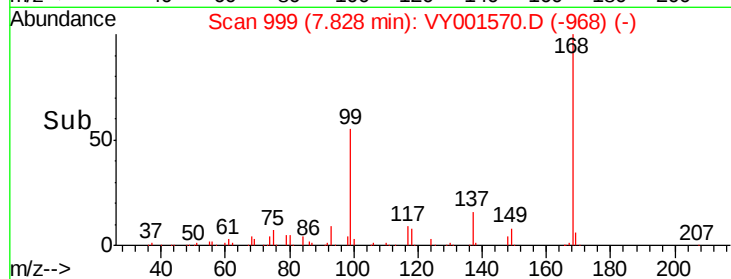
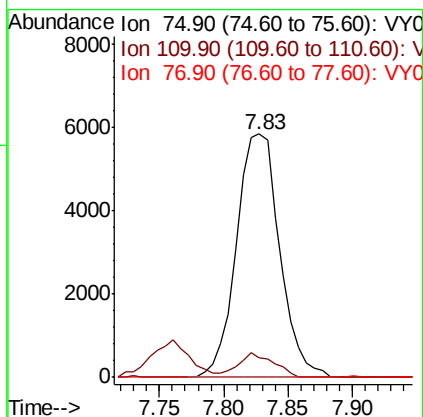
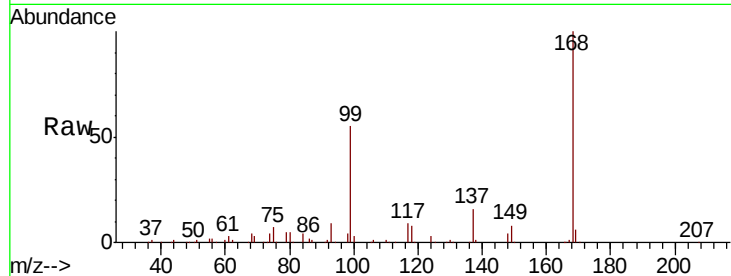




#36
 1,1-Dichloropropene
 Concen: 4.943 ug/l
 RT: 7.83 min Scan# 999
 Delta R.T. -0.11 min
 Lab File: VY001570.D
 Acq: 07 Feb 2020 21:13

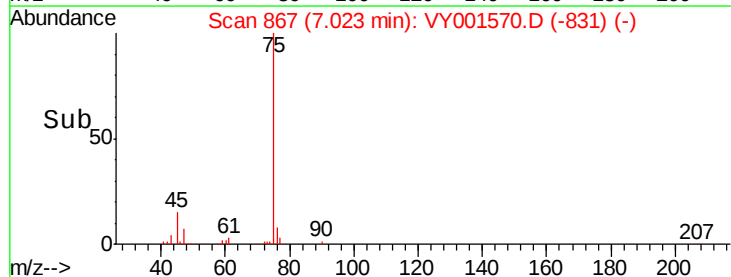
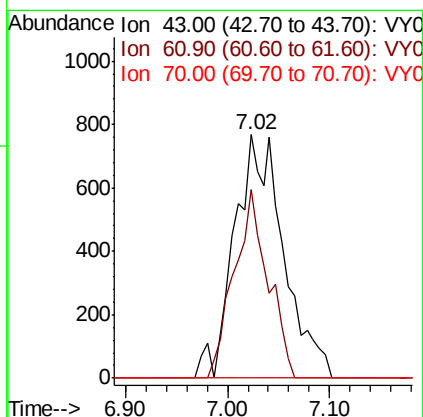
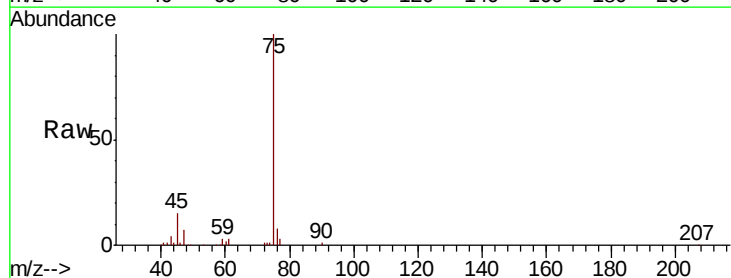
Instrument :
 MSVOA_Y
 ClientSampleId :

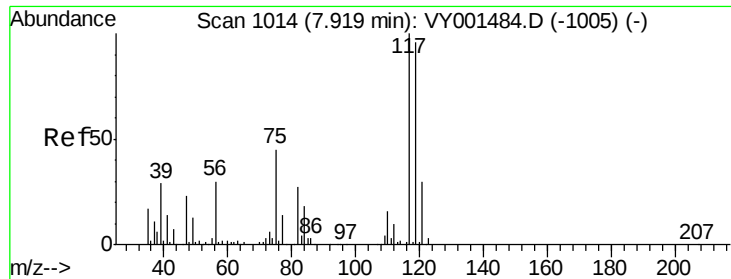
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.2	54.6#
77	0.0	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 1.927 ug/l
 RT: 7.02 min Scan# 867
 Delta R.T. -0.08 min
 Lab File: VY001570.D
 Acq: 07 Feb 2020 21:13

Tgt Ion	Ratio	Lower	Upper
43	100		
61	53.4	12.0	18.0#
70	0.0	10.2	15.4#





#38

Carbon Tetrachloride

Concen: 6.212 ug/l

RT: 7.83 min Scan# 999

Delta R.T. -0.09 min

Lab File: VY001570.D

Acq: 07 Feb 2020 21:13

Instrument :

MSVOA_Y

ClientSampleId :

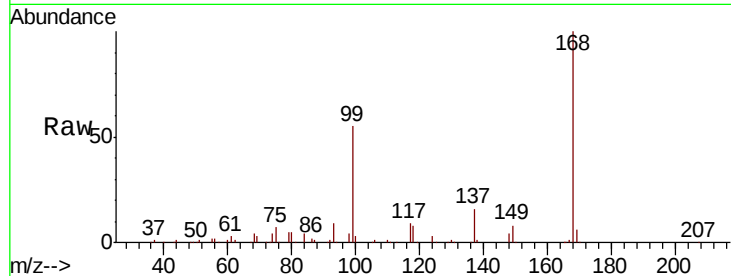
Tot Ion:117 Resp: 16474

Ion Ratio Lower Upper

117 100

119 3.8 76.4 114.6#

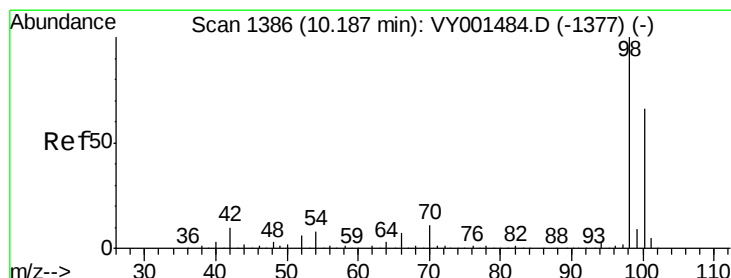
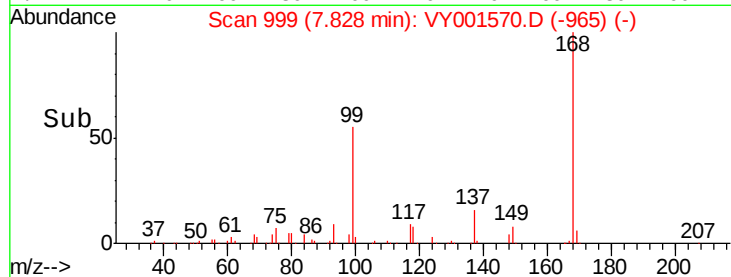
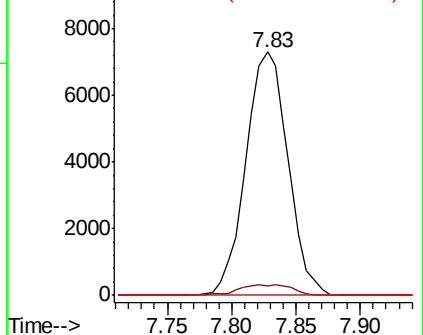
121 0.0 24.2 36.4#



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: 54.522 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001570.D

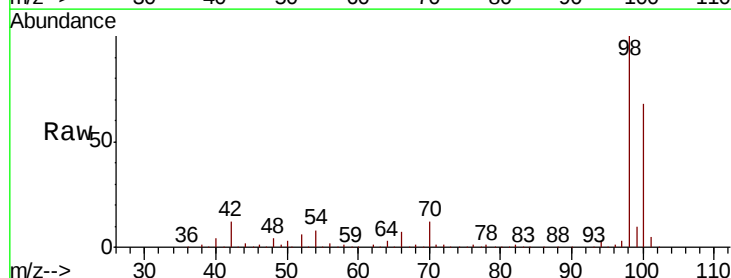
Acq: 07 Feb 2020 21:13

Tgt Ion: 98 Resp: 356381

Ion Ratio Lower Upper

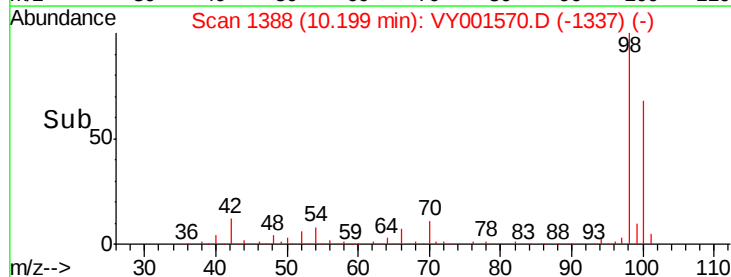
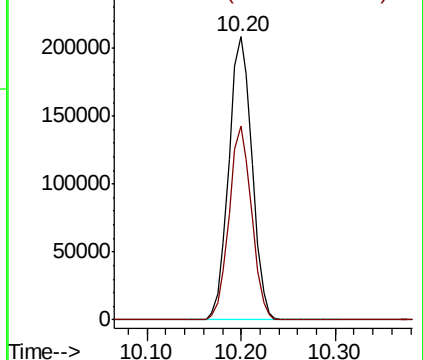
98 100

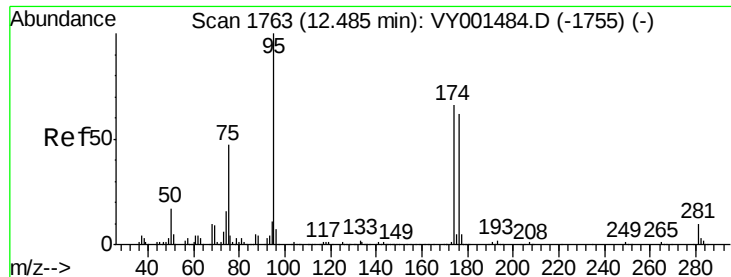
100 66.2 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

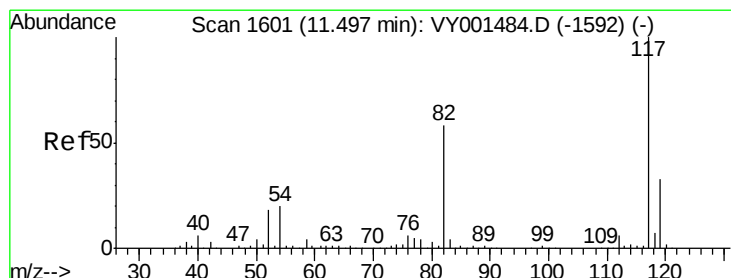
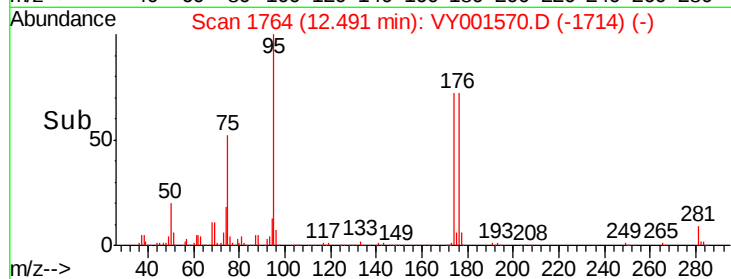
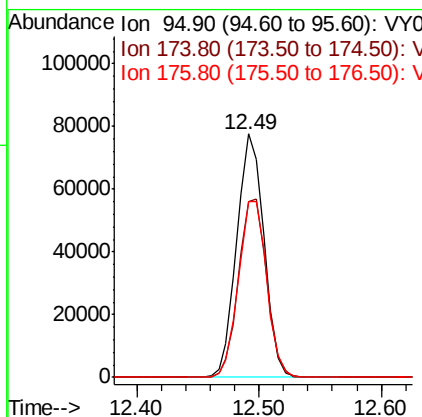
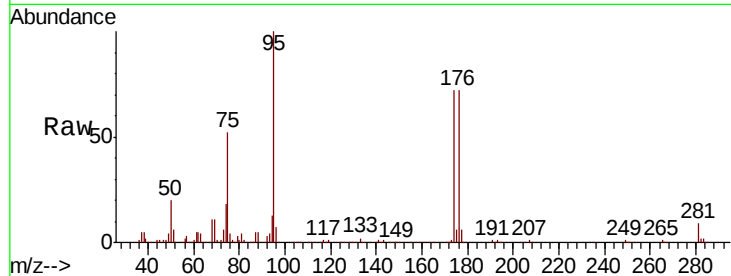




#62
4-Bromofluorobenzene
Concen: 46.276 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001570.D
Acq: 07 Feb 2020 21:13

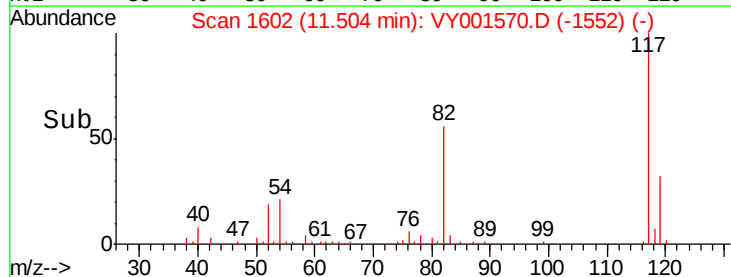
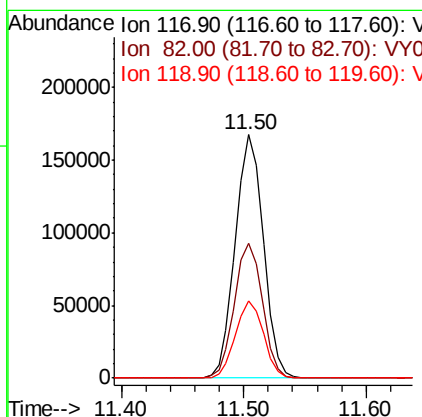
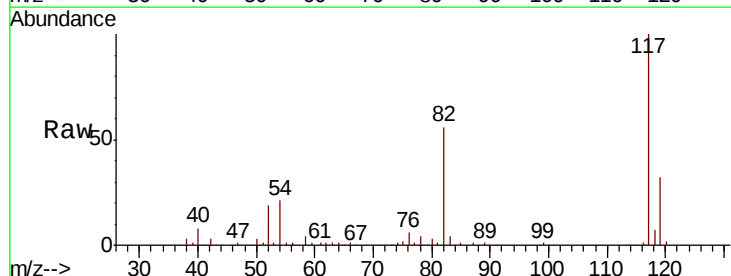
Instrument :
MSVOA_Y
ClientSampled :

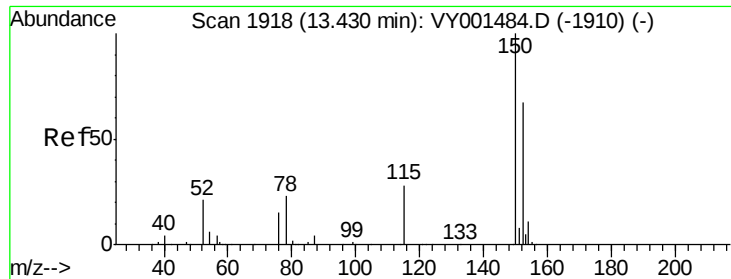
Tot Ion	95	Resp	119162
Ion Ratio	Lower	Upper	
95	100		
174	75.9	0.0	141.4
176	74.8	0.0	135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001570.D
Acq: 07 Feb 2020 21:13

Tgt Ion	117	Resp	266539
Ion Ratio	Lower	Upper	
117	100		
82	55.5	46.1	69.1
119	31.7	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: VY001570.D

Acq: 07 Feb 2020 21:13

Instrument :

MSVOA_Y

ClientSampleId :

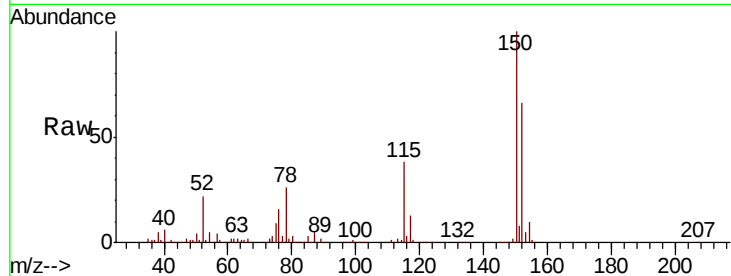
Tot Ion:152 Resp: 116708

Ion Ratio Lower Upper

152 100

115 59.7 31.4 94.3

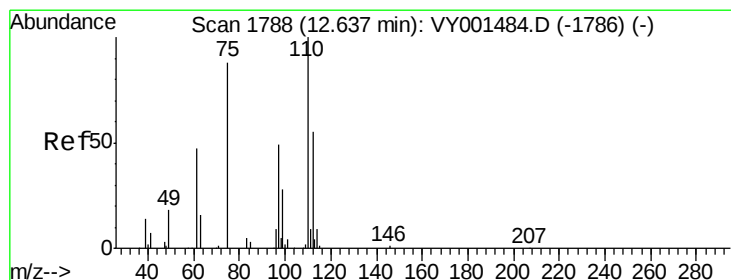
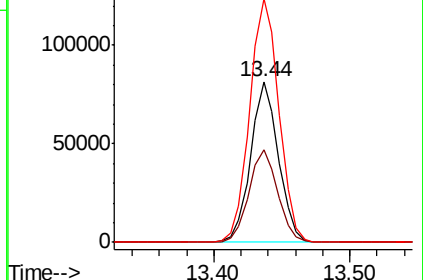
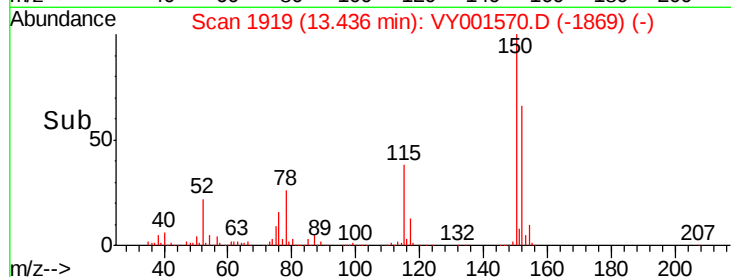
150 159.1 0.0 346.8



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: 48.473 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001570.D

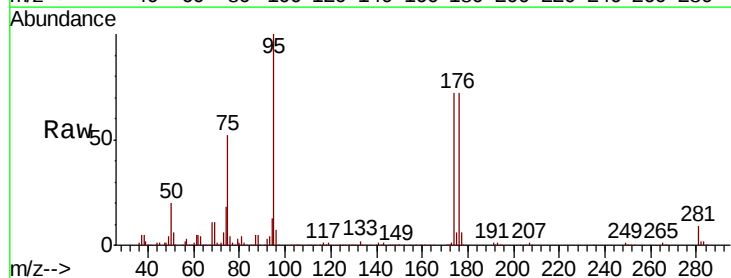
Acq: 07 Feb 2020 21:13

Tgt Ion: 75 Resp: 60838

Ion Ratio Lower Upper

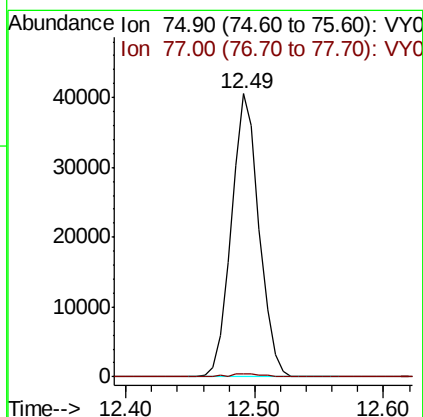
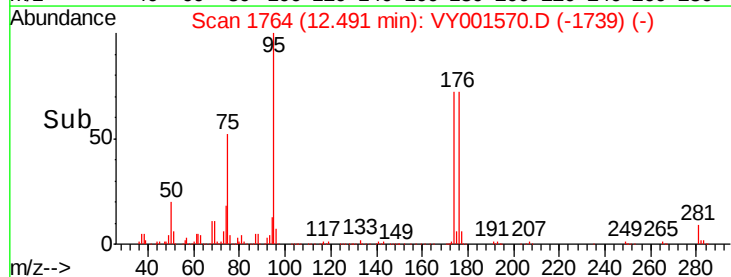
75 100

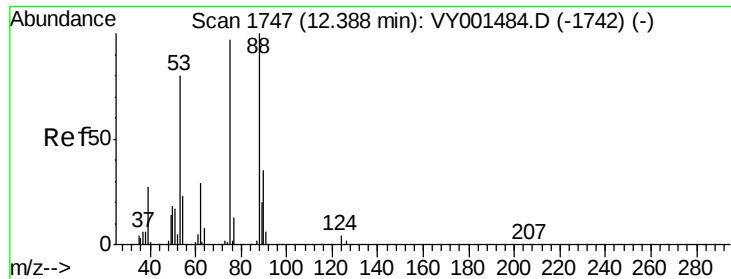
77 1.3 0.0 0.0#



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: 93.794 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY001570.D
 Acq: 07 Feb 2020 21:13

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 60838
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.7 101.5#
 89 0.4 34.6 52.0#

