

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
 Data File : VY001311.D
 Acq On : 20 Jan 2020 21:05
 Operator : SY/MD
 Sample : L1205-04
 Misc : 10.65G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 21 07:05:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 06:54:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	180309	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	326560	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	304082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	139769	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	104327	54.78	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	109.56%	
35) Dibromofluoromethane	7.74	113	95556	49.98	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	99.96%	
50) Toluene-d8	10.19	98	384129	52.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.49	95	143472	47.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.26%	

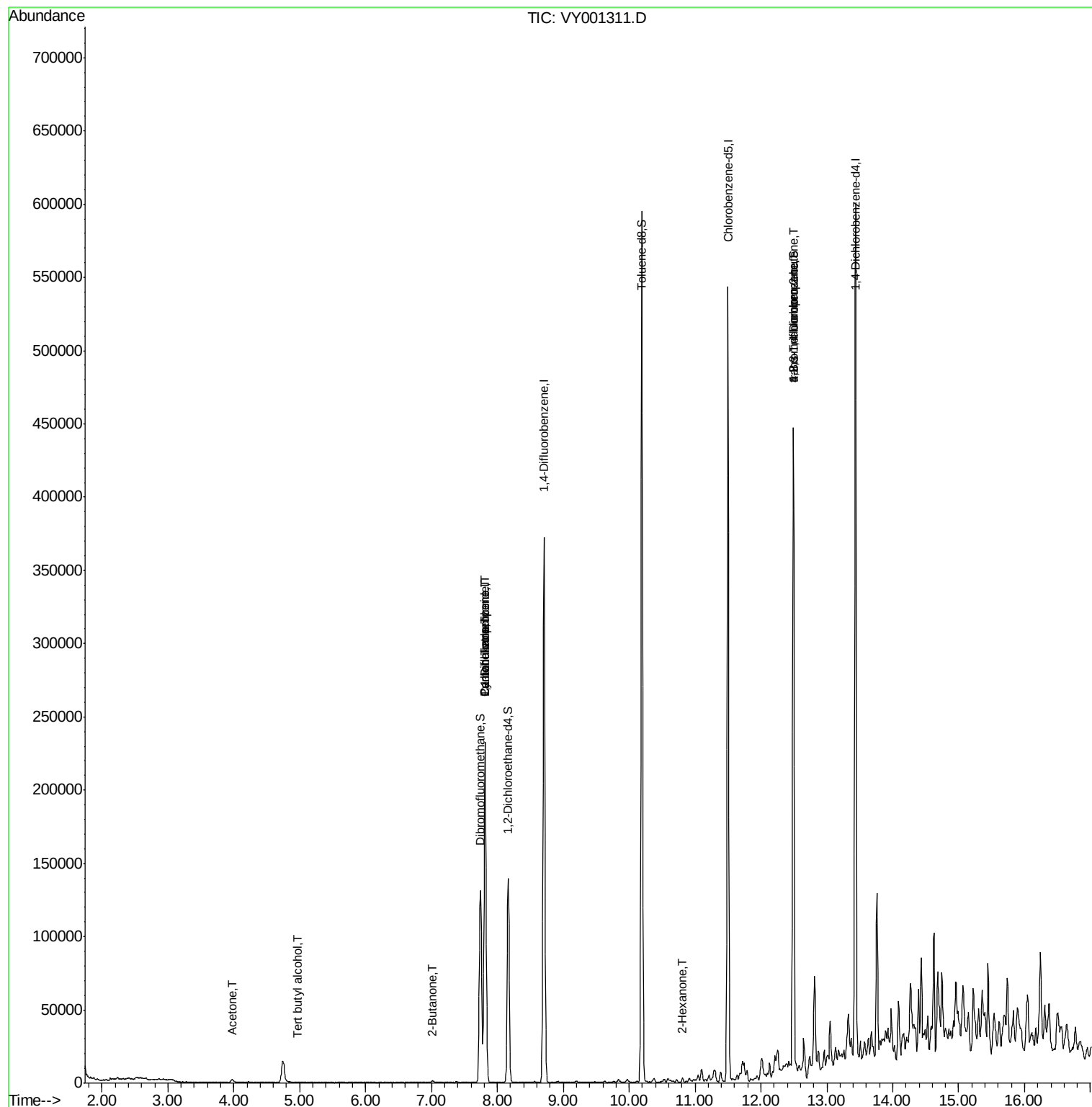
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	265	1.383	ug/l	96
16) Acetone	3.97	43	3726	8.425	ug/l	94
25) 2-Butanone	7.02	43	902	1.310	ug/l #	88
31) Cyclohexane	7.81	56	3702	1.005	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	14249	4.787	ug/l #	49
38) Carbon Tetrachloride	7.82	117	17341	6.357	ug/l #	15
59) 2-Hexanone	10.81	43	1490	1.254	ug/l #	23
76) 1,2,3-Trichloropropane	12.49	75	71812	47.995	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	71812	81.389	ug/l #	6

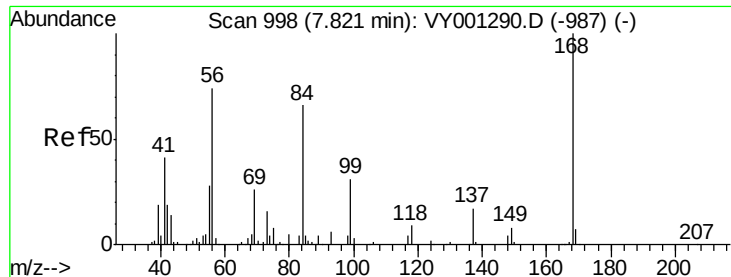
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 21 06:54:04 2020
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: VY001311.D

Acq: 20 Jan 2020 21:05

Instrument :

MSVOA_Y

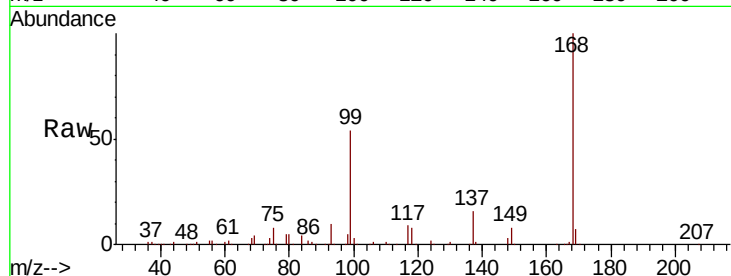
ClientSampleId :

Tot Ion:168 Resp: 180309

Ion Ratio Lower Upper

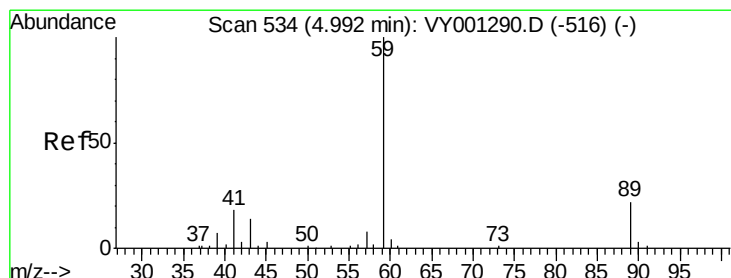
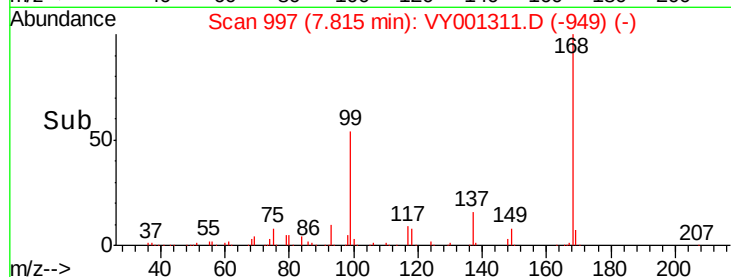
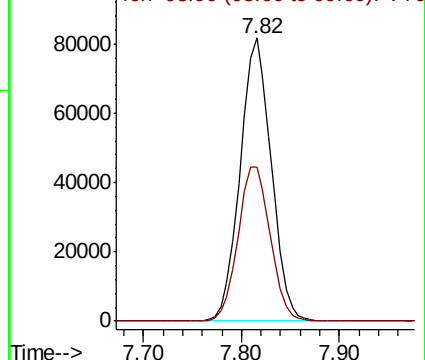
168 100

99 54.4 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001290.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001290.D (-987) (-)



#11

Tert butyl alcohol

Concen: 1.383 ug/l

RT: 4.97 min Scan# 531

Delta R.T. -0.02 min

Lab File: VY001311.D

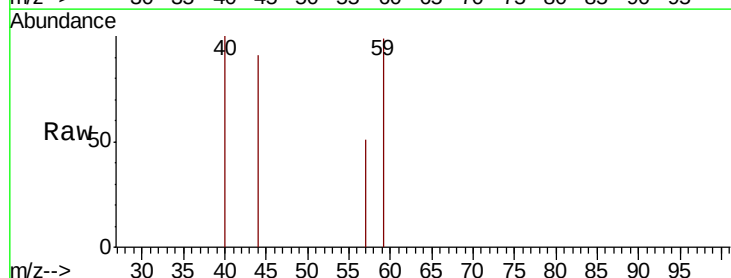
Acq: 20 Jan 2020 21:05

Tgt Ion: 59 Resp: 265

Ion Ratio Lower Upper

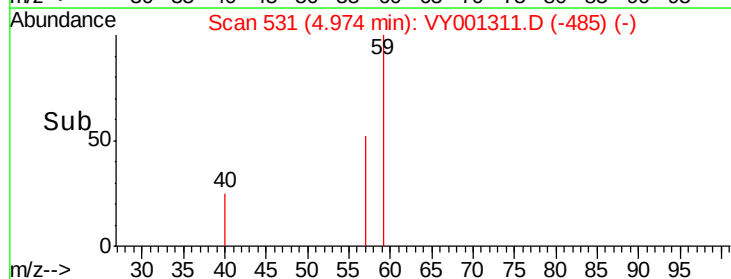
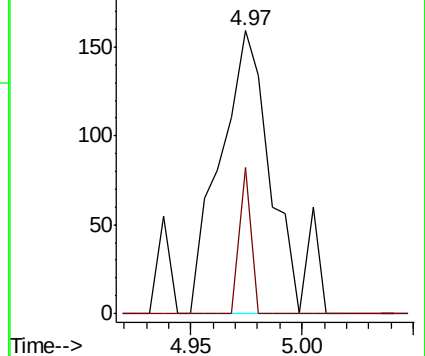
59 100

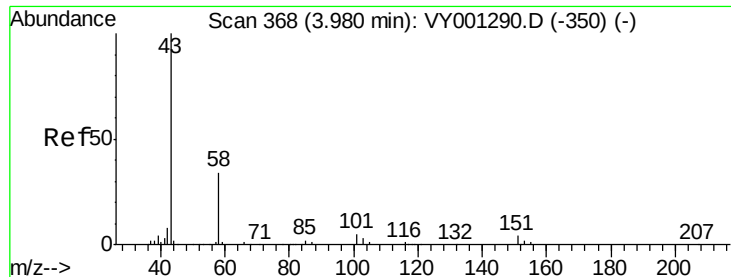
57 11.3 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VY001290.D (-516) (-)

Ion 57.00 (56.70 to 57.70): VY001290.D (-516) (-)





#16

Acetone

Concen: 8.425 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001311.D

Acq: 20 Jan 2020 21:05

Instrument :

MSVOA_Y

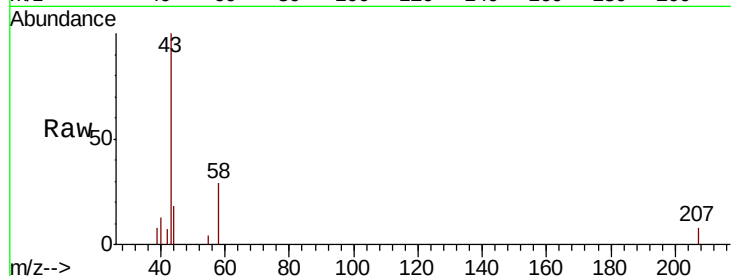
ClientSampleId :

Tot Ion: 43 Resp: 3726

Ion Ratio Lower Upper

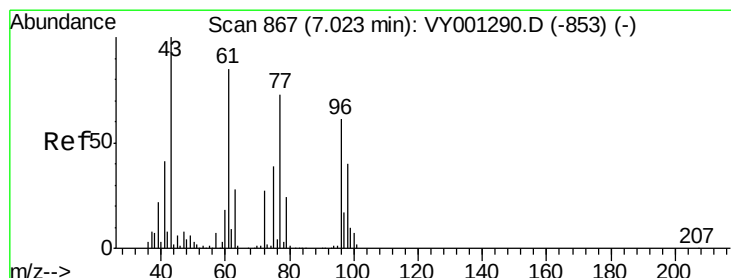
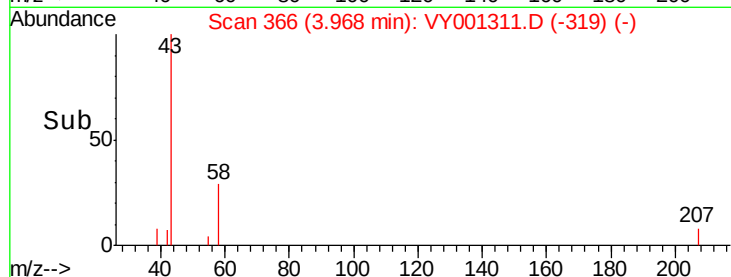
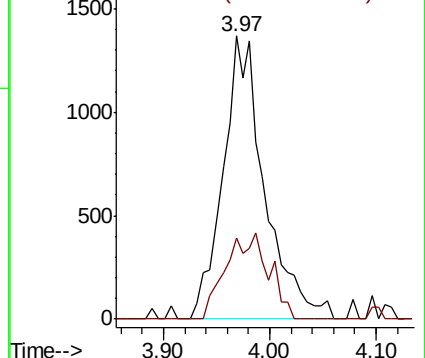
43 100

58 28.7 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#25

2-Butanone

Concen: 1.310 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.00 min

Lab File: VY001311.D

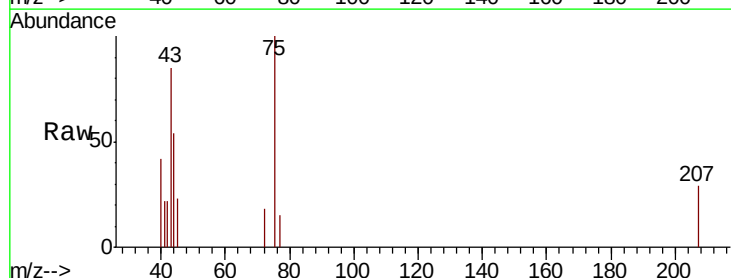
Acq: 20 Jan 2020 21:05

Tgt Ion: 43 Resp: 902

Ion Ratio Lower Upper

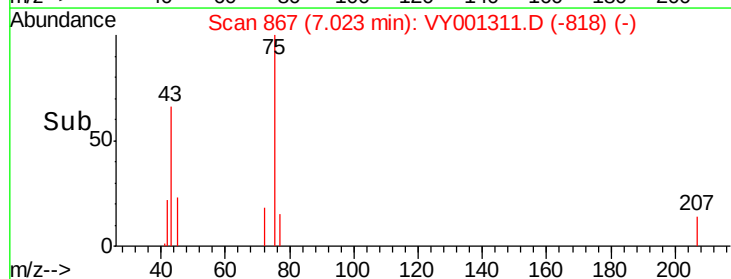
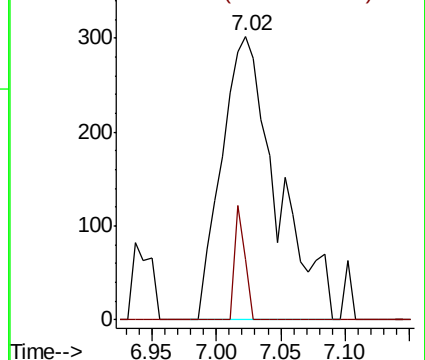
43 100

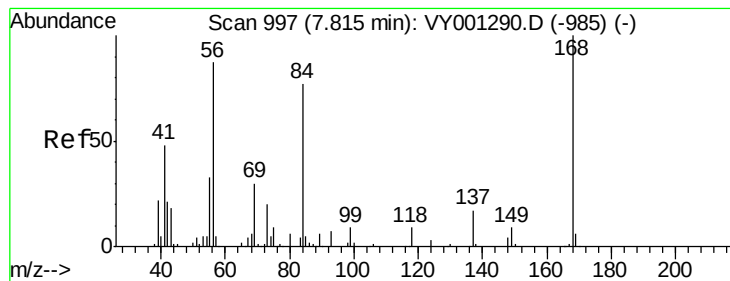
72 21.5 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.005 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001311.D

Acq: 20 Jan 2020 21:05

Instrument :

MSVOA_Y

ClientSampleId :

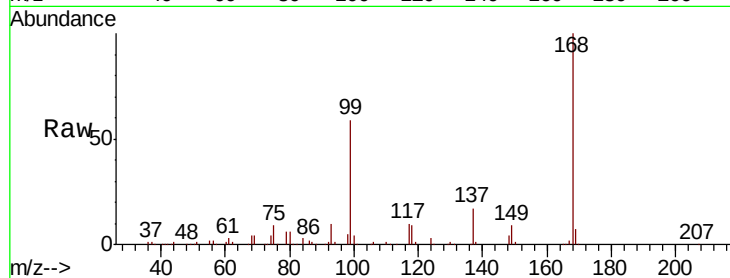
Tot Ion: 56 Resp: 3702

Ion Ratio Lower Upper

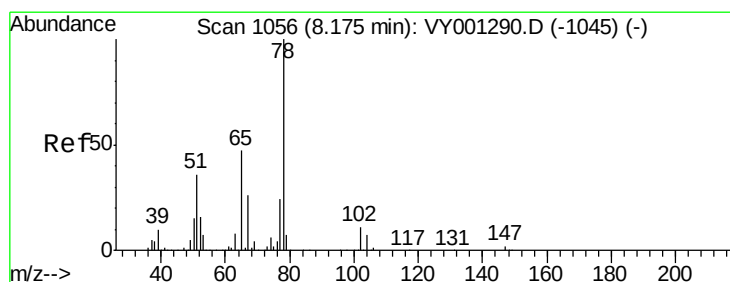
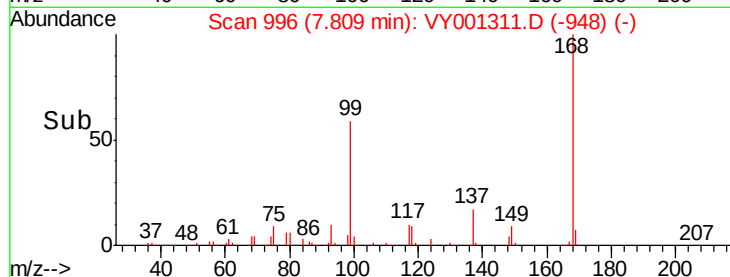
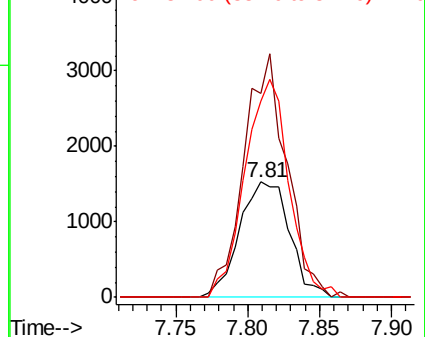
56 100

69 176.6 27.8 41.8#

84 170.2 68.9 103.3#



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: 54.783 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001311.D

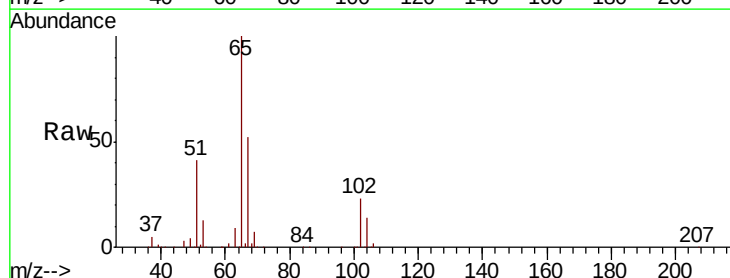
Acq: 20 Jan 2020 21:05

Tgt Ion: 65 Resp: 104327

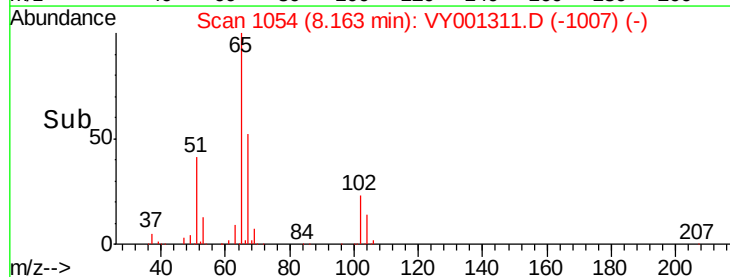
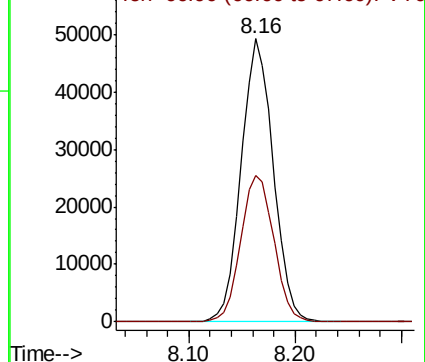
Ion Ratio Lower Upper

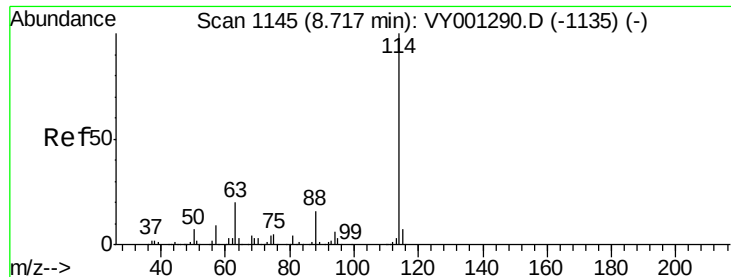
65 100

67 53.4 0.0 105.2



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

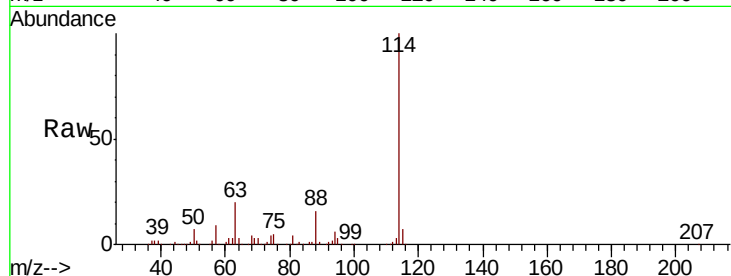




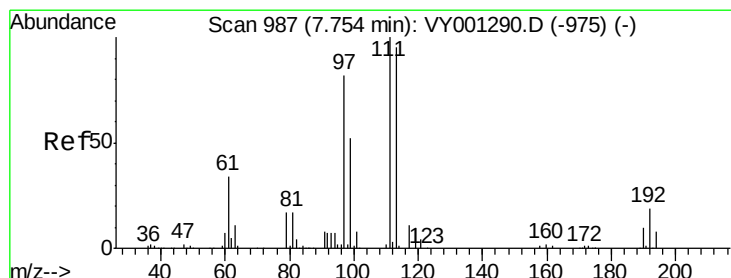
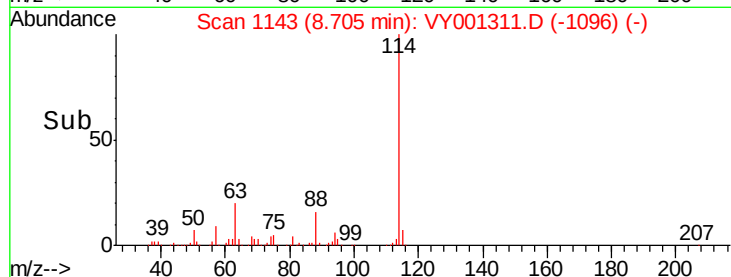
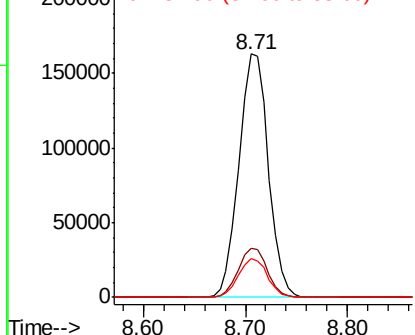
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001311.D
 Acq: 20 Jan 2020 21:05

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.8
88	15.9	0.0	32.4

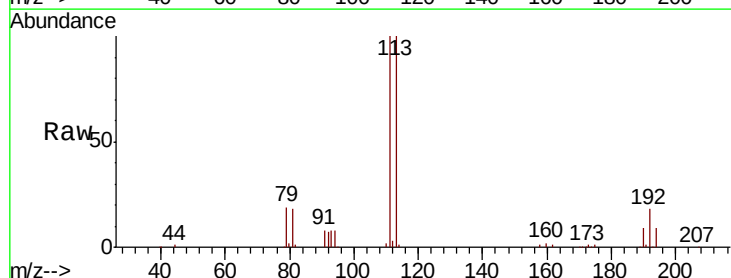


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

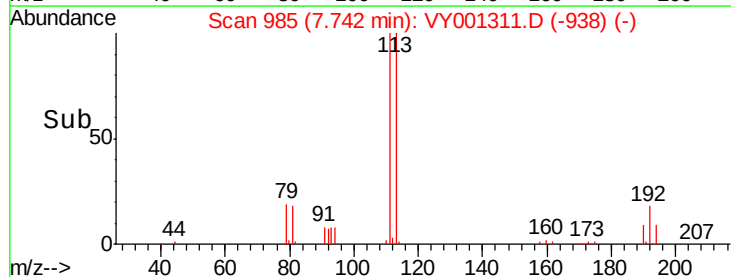
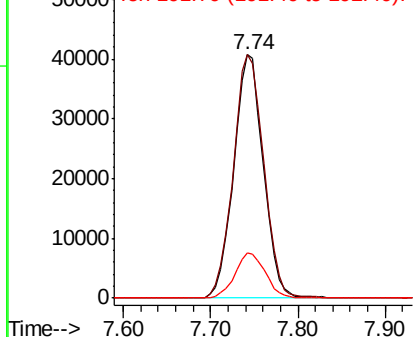


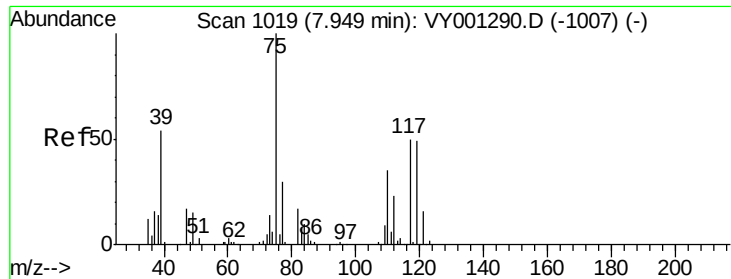
#35
 Dibromofluoromethane
 Concen: 49.977 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001311.D
 Acq: 20 Jan 2020 21:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	18.9	15.4	23.2



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

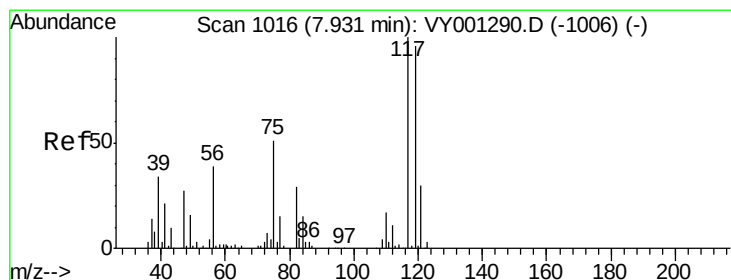
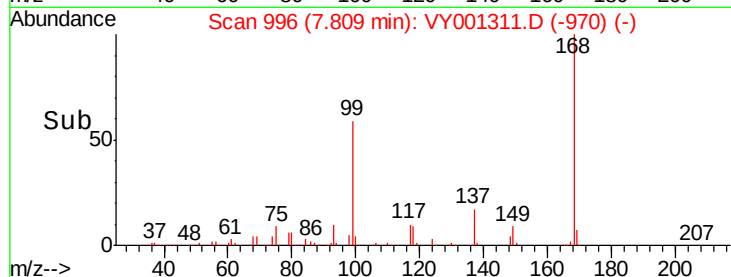
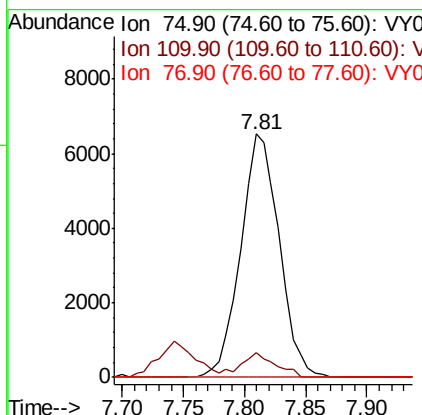
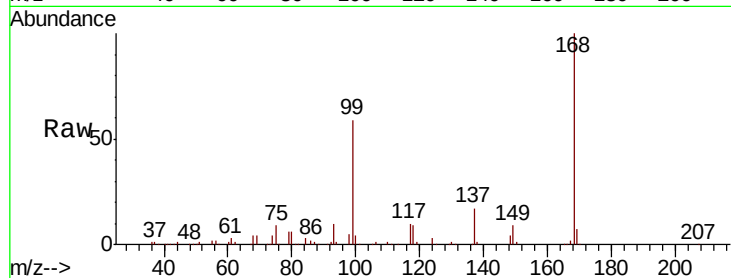




#36
 1,1-Dichloropropene
 Concen: 4.787 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.14 min
 Lab File: VY001311.D
 Acq: 20 Jan 2020 21:05

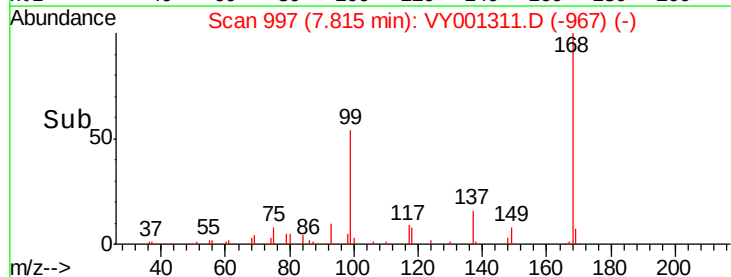
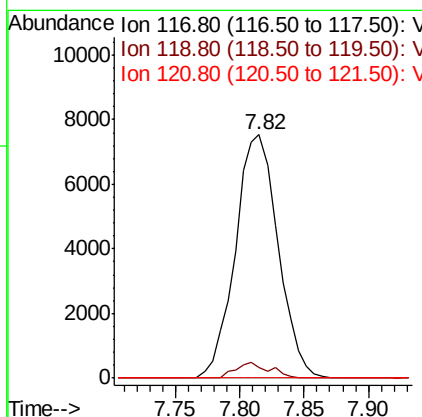
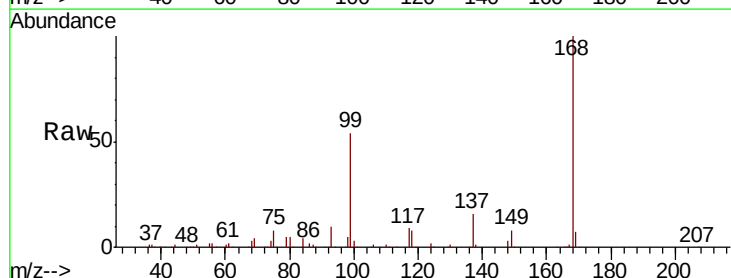
Instrument :
 MSVOA_Y
 ClientSampleId :

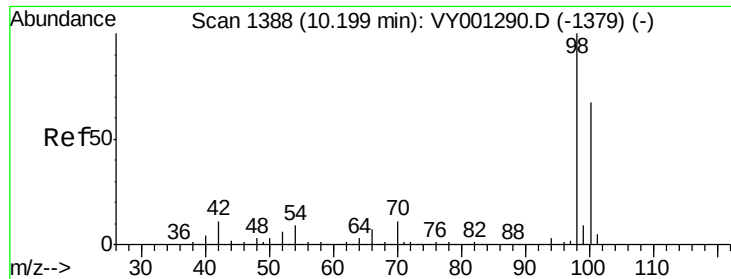
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.3	54.8#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.357 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY001311.D
 Acq: 20 Jan 2020 21:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	78.3	117.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 52.140 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VY001311.D

Acq: 20 Jan 2020 21:05

Instrument :

MSVOA_Y

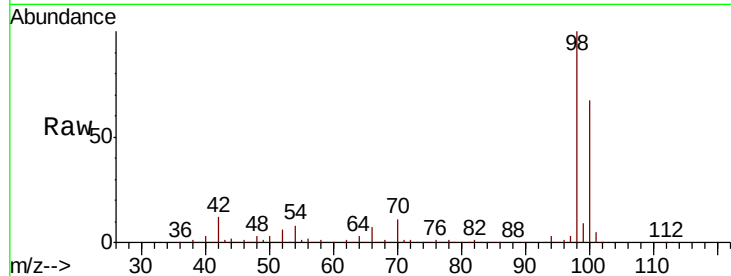
ClientSampled :

Tot Ion: 98 Resp: 384129

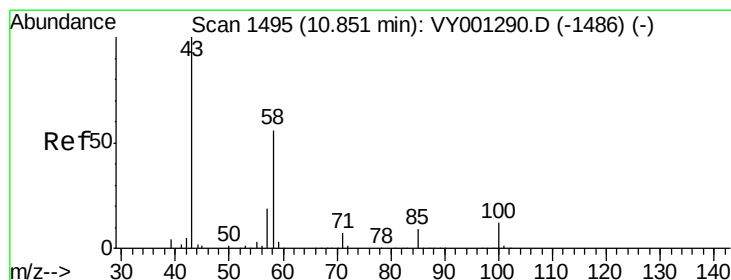
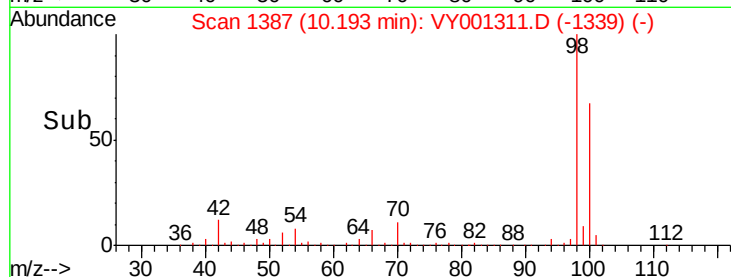
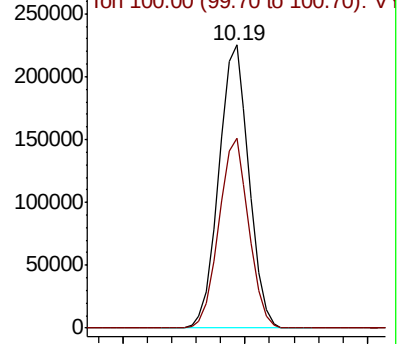
Ion Ratio Lower Upper

98 100

100 66.5 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY001290.D (-1379) (-)



#59

2-Hexanone

Concen: 1.254 ug/l

RT: 10.81 min Scan# 1488

Delta R.T. -0.04 min

Lab File: VY001311.D

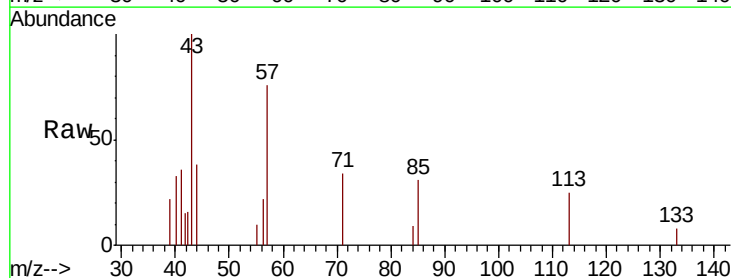
Acq: 20 Jan 2020 21:05

Tgt Ion: 43 Resp: 1490

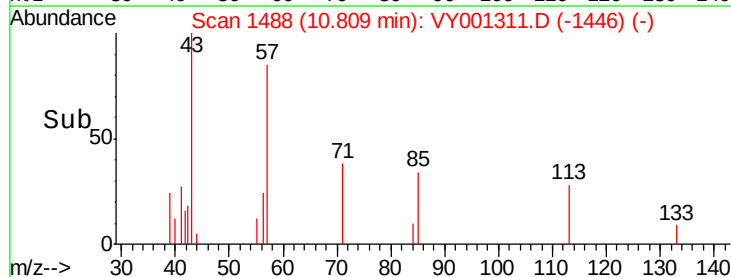
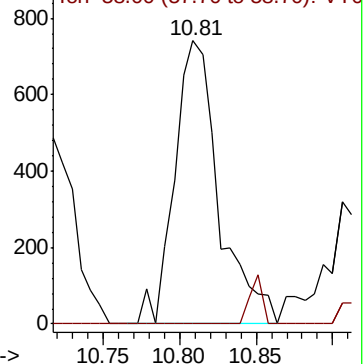
Ion Ratio Lower Upper

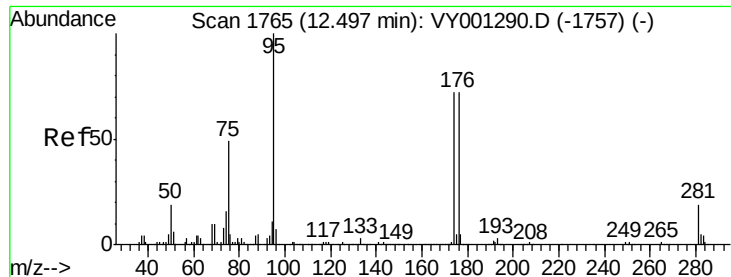
43 100

58 0.0 28.4 85.2#



Abundance Ion 43.00 (42.70 to 43.70): VY001290.D (-1486) (-)





#62

4-Bromofluorobenzene

Concen: 47.634 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.01 min

Lab File: VY001311.D

Acq: 20 Jan 2020 21:05

Instrument :

MSVOA_Y

ClientSampled :

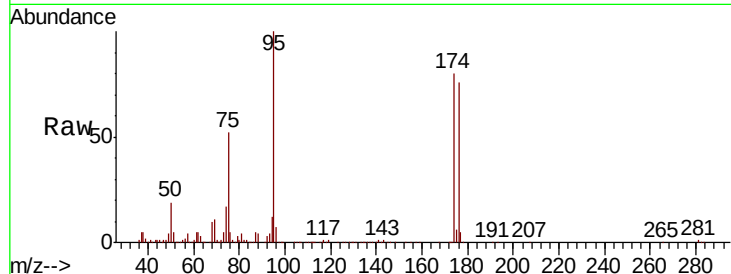
Tot Ion: 95 Resp: 143472

Ion Ratio Lower Upper

95 100

174 76.8 0.0 143.2

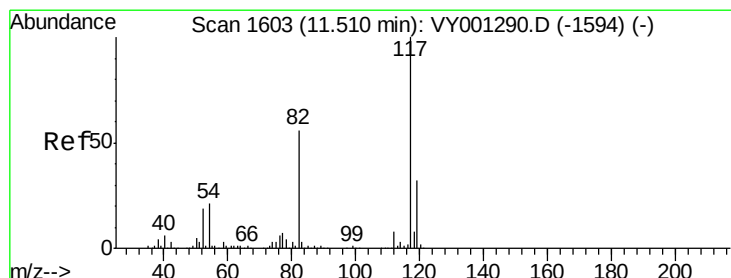
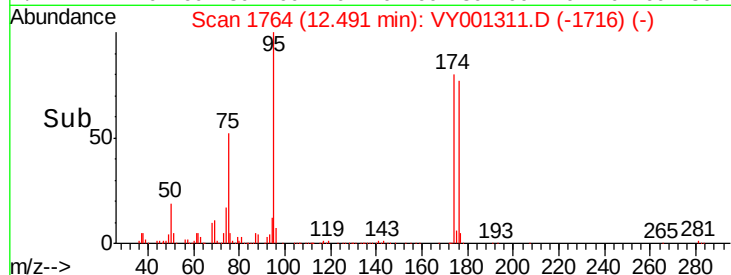
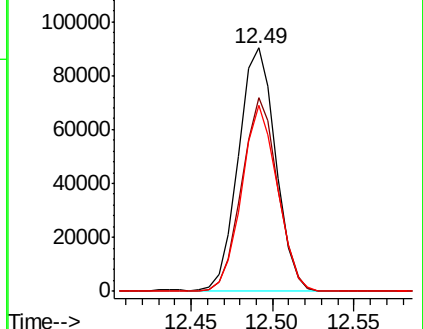
176 73.9 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. -0.01 min

Lab File: VY001311.D

Acq: 20 Jan 2020 21:05

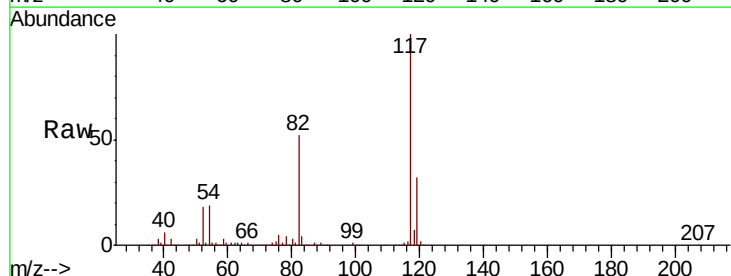
Tgt Ion: 117 Resp: 304082

Ion Ratio Lower Upper

117 100

82 51.6 44.9 67.3

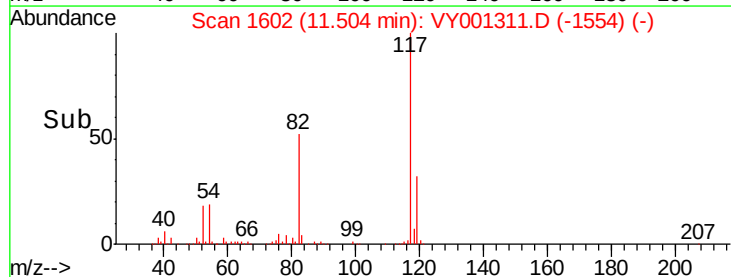
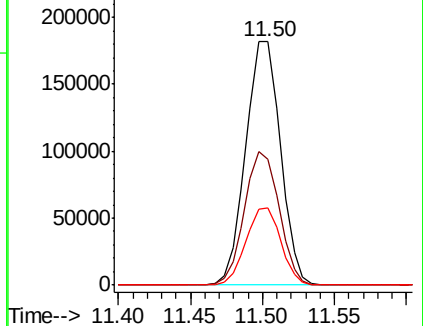
119 31.8 25.7 38.5

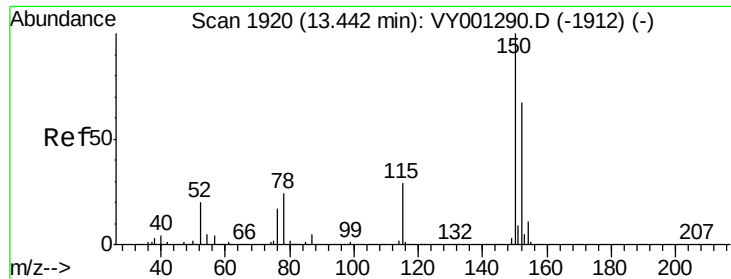


Abundance Ion 116.90 (116.60 to 117.60): VY0

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): VY0



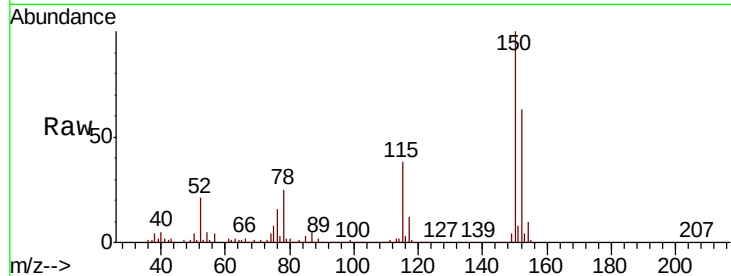


#72

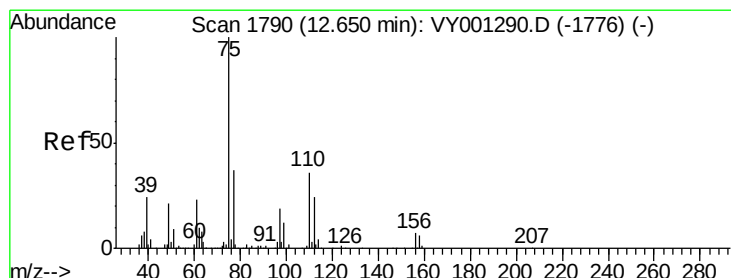
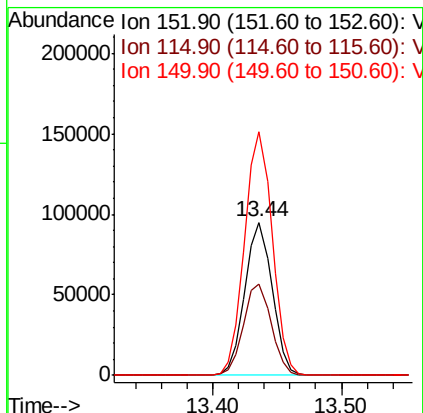
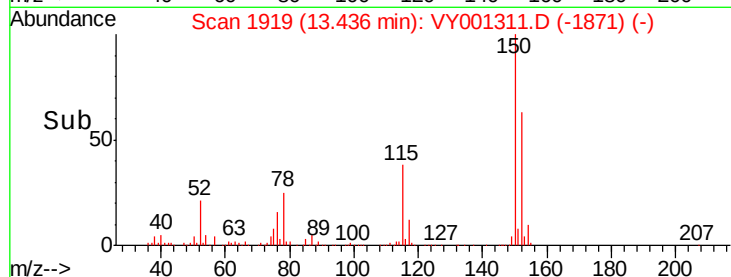
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.01 min
Lab File: VY001311.D
Acq: 20 Jan 2020 21:05

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.9	92.5
150	160.9	0.0	346.8



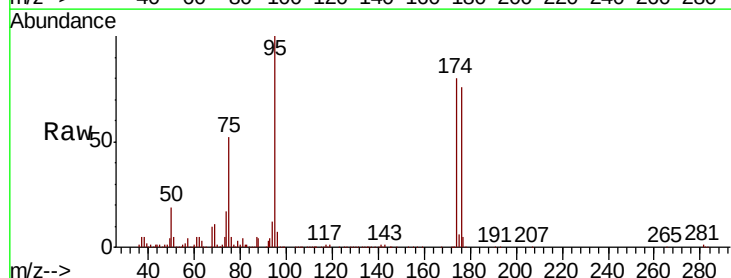
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



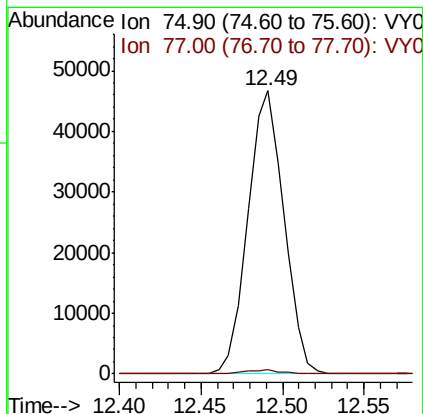
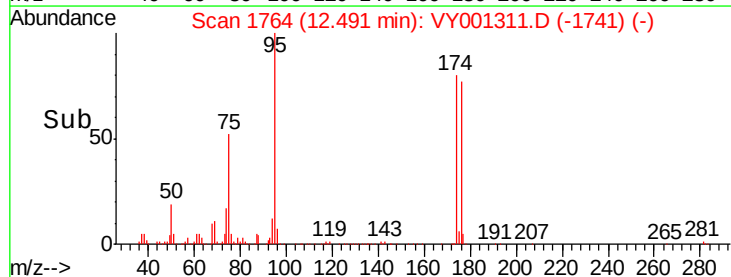
#76

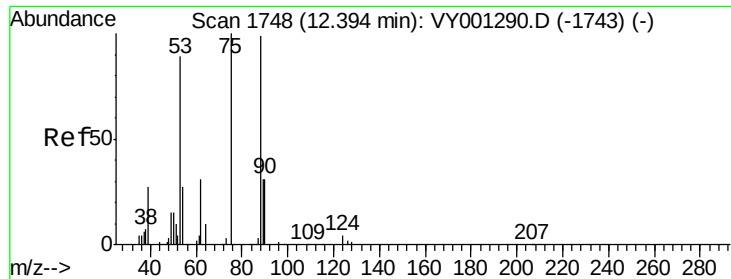
1,2,3-Trichloropropane
Concen: 47.995 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.16 min
Lab File: VY001311.D
Acq: 20 Jan 2020 21:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 81.389 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001311.D

Acq: 20 Jan 2020 21:05

Instrument :

MSVOA_Y

ClientSampleId :

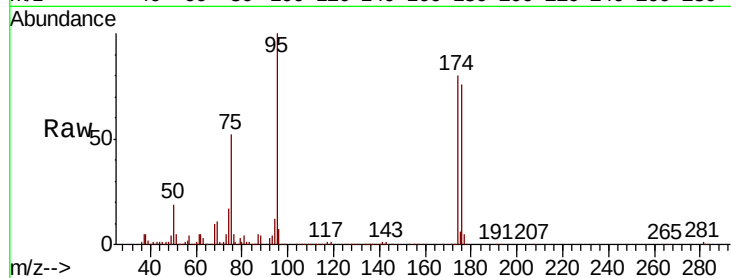
Tot Ion: 75 Resp: 71812

Ion Ratio Lower Upper

75 100

53 0.5 69.4 104.2#

89 0.0 0.0 0.0



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

