

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041320\
 Data File : VY002291.D
 Acq On : 13 Apr 2020 19:23
 Operator : SY/MD
 Sample : L2229-35
 Misc : 6.65G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 14 07:27:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	139504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	280819	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	237737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	83446	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	81652	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
35) Dibromofluoromethane	7.74	113	83496	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
50) Toluene-d8	10.19	98	338706	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
62) 4-Bromofluorobenzene	12.48	95	96263	41.72	ug/l	0.00
Spiked Amount			Recovery	=	83.44%	

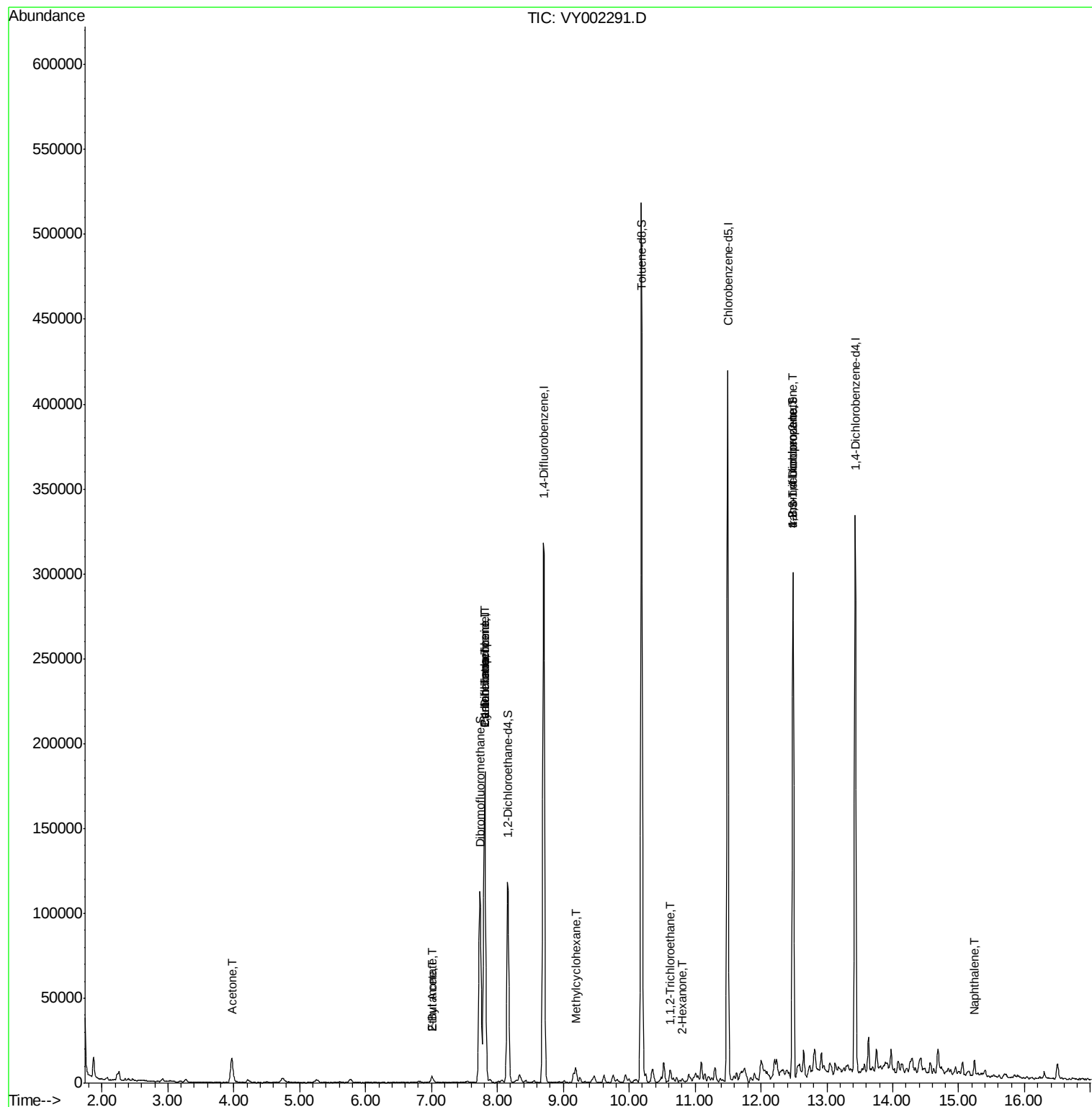
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	25533	62.488	ug/l	97
25) 2-Butanone	7.00	43	4962	7.673	ug/l	99
31) Cyclohexane	7.80	56	4041	1.236	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	11524	4.166	ug/l #	49
37) Ethyl Acetate	7.00	43	4962	3.140	ug/l #	75
38) Carbon Tetrachloride	7.81	117	14315	6.050	ug/l #	14
39) Methylcyclohexane	9.19	83	3907	1.038	ug/l #	88
55) 1,1,2-Trichloroethane	10.63	97	2992	1.877	ug/l #	23
59) 2-Hexanone	10.81	43	1262	1.211	ug/l #	21
76) 1,2,3-Trichloropropane	12.48	75	47763	49.291	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	47763	95.871	ug/l #	19
95) Naphthalene	15.24	128	7716	2.123	ug/l	97

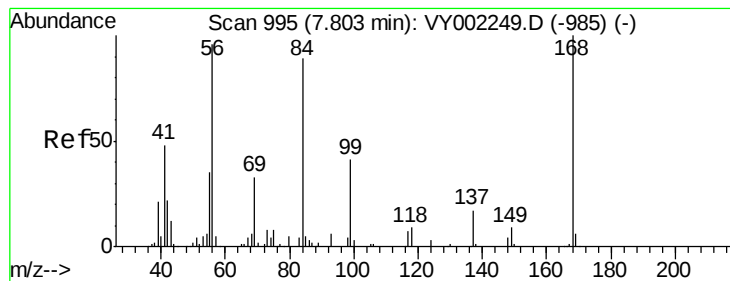
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002291.D

Acq: 13 Apr 2020 19:23

Instrument :

MSVOA_Y

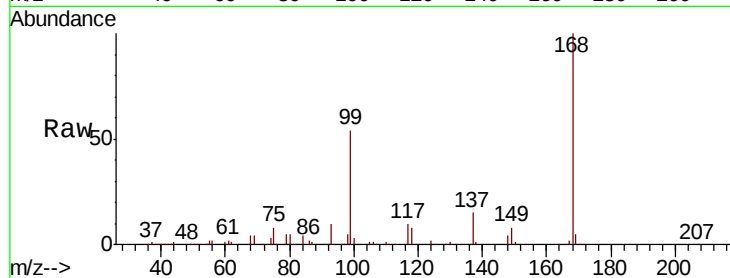
ClientSampleId :

Tot Ion:168 Resp: 139504

Ion Ratio Lower Upper

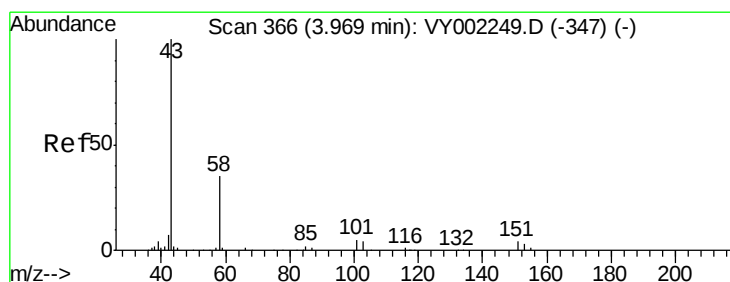
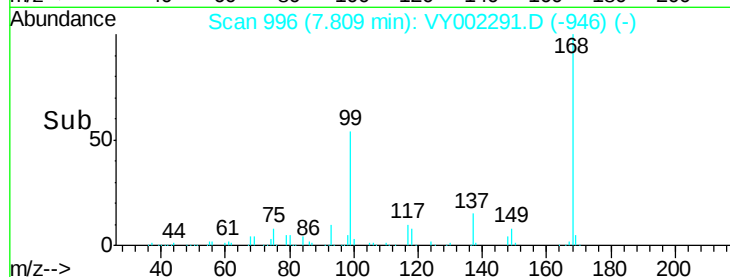
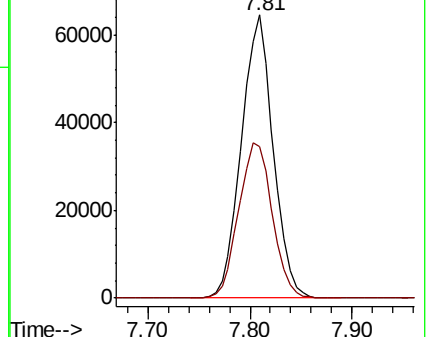
168 100

99 53.7 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)



#16

Acetone

Concen: 62.488 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY002291.D

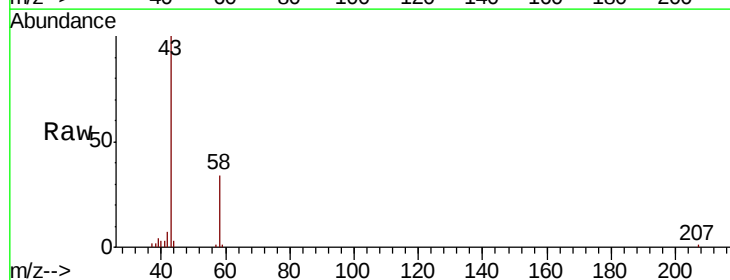
Acq: 13 Apr 2020 19:23

Tgt Ion: 43 Resp: 25533

Ion Ratio Lower Upper

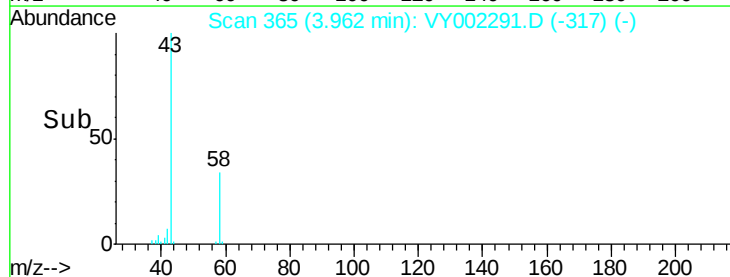
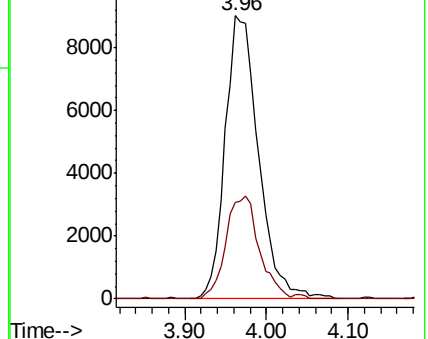
43 100

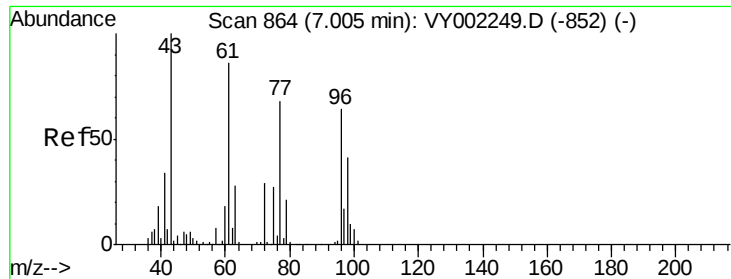
58 34.1 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY002249.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002249.D (-347) (-)

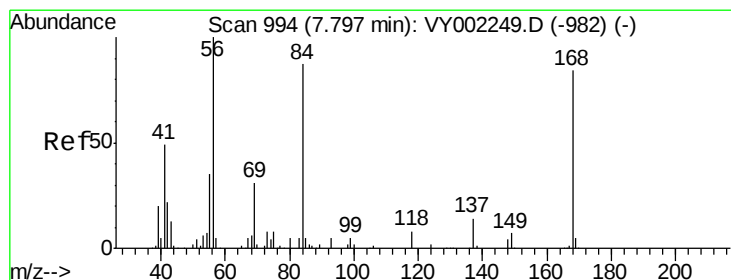
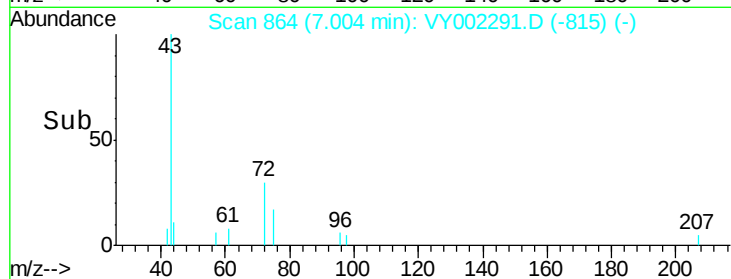
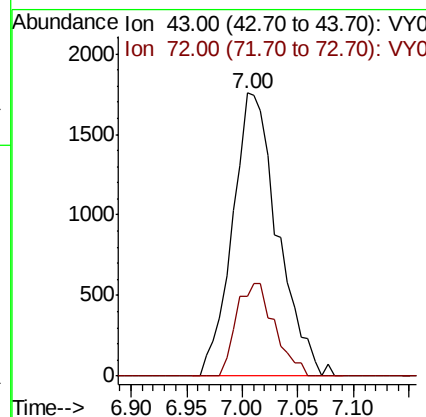
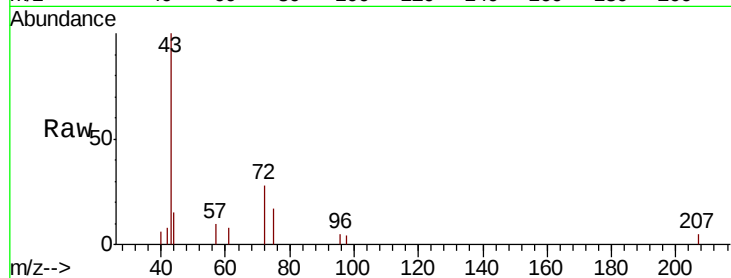




#25
2-Butanone
Concen: 7.673 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.00 min
Lab File: VY002291.D
Acq: 13 Apr 2020 19:23

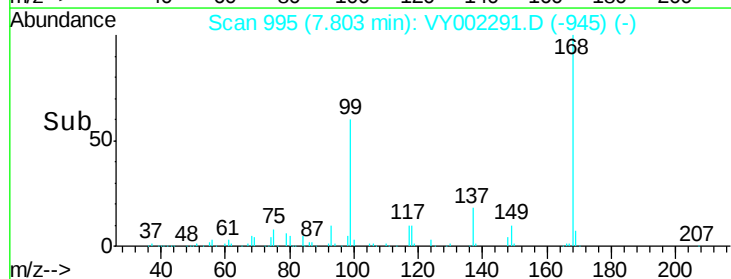
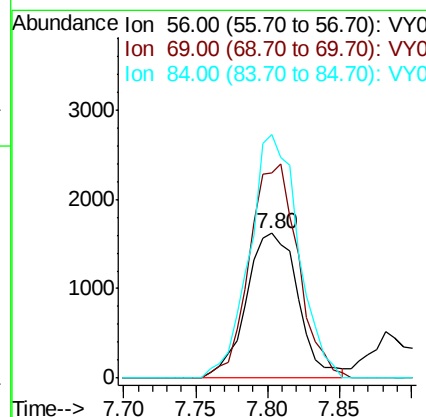
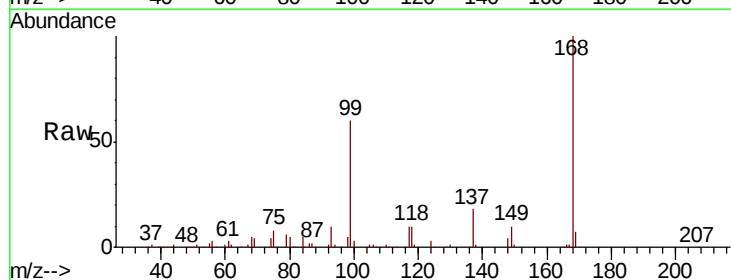
Instrument :
MSVOA_Y
ClientSampleId :

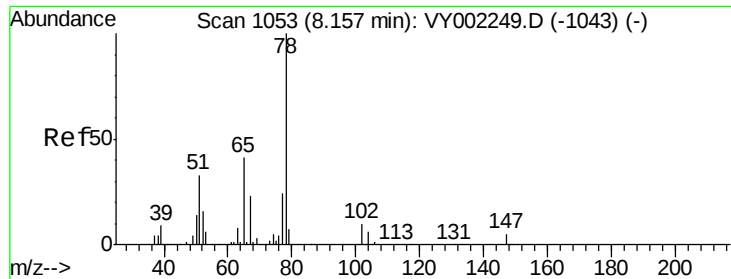
Tot Ion: 43 Resp: 4962
Ion Ratio Lower Upper
43 100
72 28.3 23.2 34.8



#31
Cyclohexane
Concen: 1.236 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY002291.D
Acq: 13 Apr 2020 19:23

Tgt Ion: 56 Resp: 4041
Ion Ratio Lower Upper
56 100
69 141.5 25.0 37.6#
84 174.5 69.7 104.5#





#33

1,2-Dichloroethane-d4

Concen: 52.632 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VY002291.D

Acq: 13 Apr 2020 19:23

Instrument :

MSVOA_Y

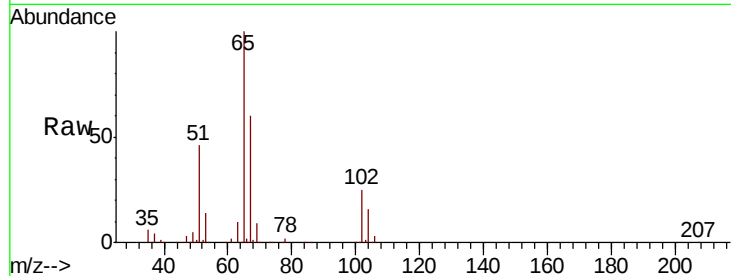
ClientSampleId :

Tot Ion: 65 Resp: 81652

Ion Ratio Lower Upper

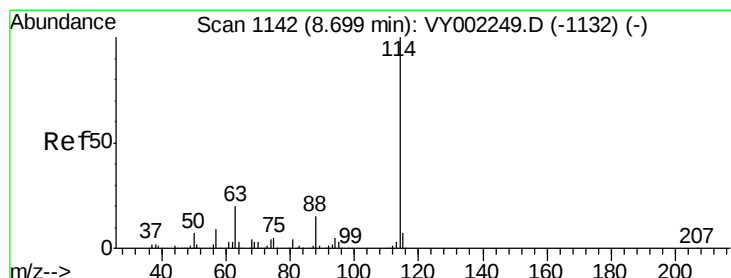
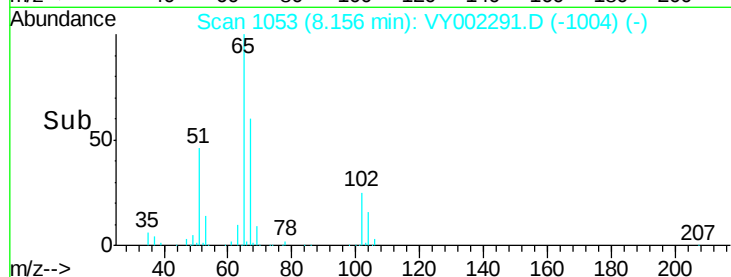
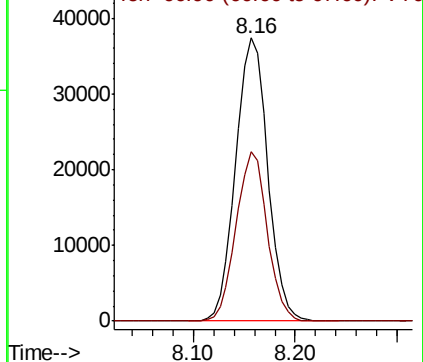
65 100

67 58.0 0.0 114.0



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: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY002291.D

Acq: 13 Apr 2020 19:23

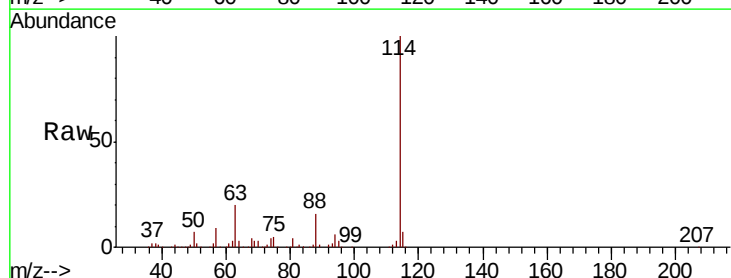
Tgt Ion: 114 Resp: 280819

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.0

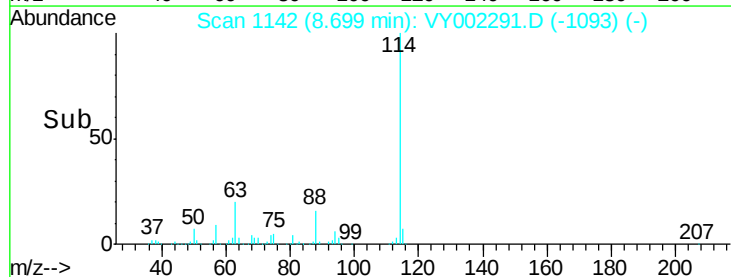
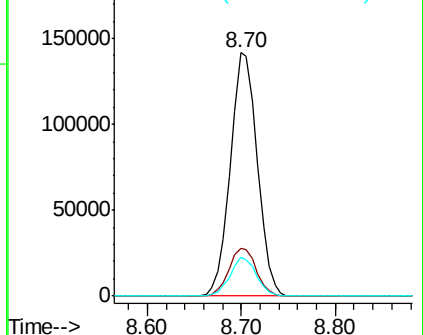
88 16.0 0.0 31.0

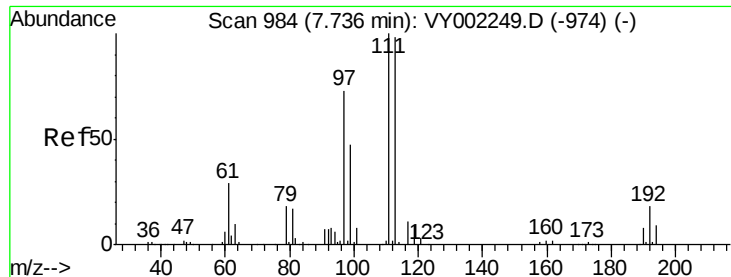


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

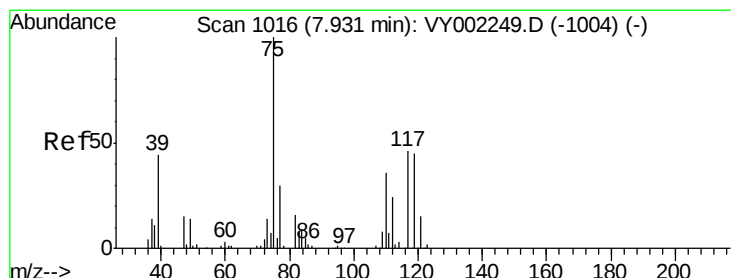
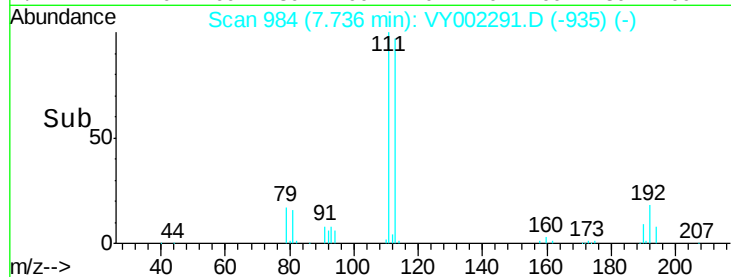
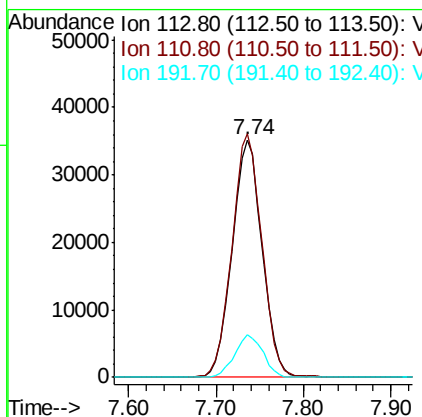
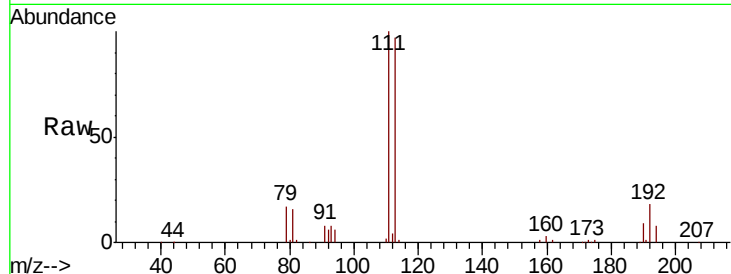




#35
 Dibromofluoromethane
 Concen: 49.969 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: VY002291.D
 Acq: 13 Apr 2020 19:23

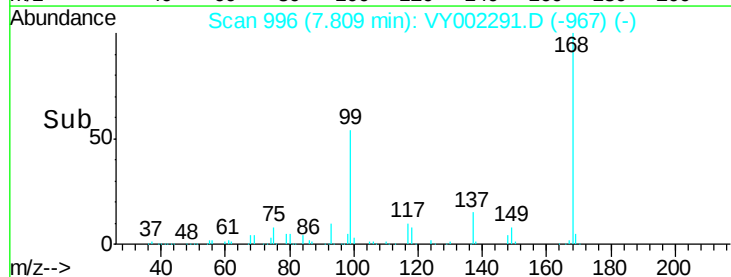
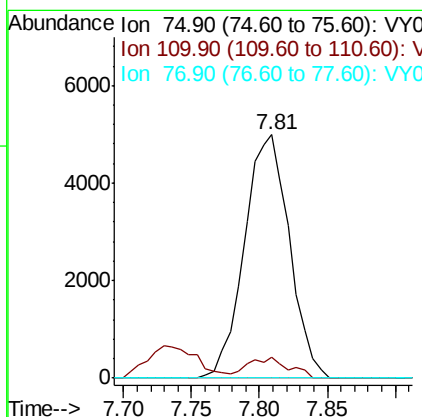
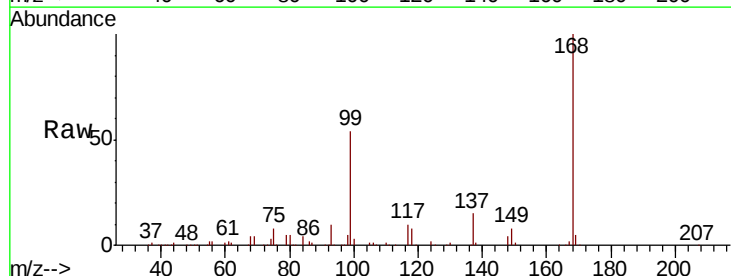
Instrument :
 MSVOA_Y
 ClientSampleId :

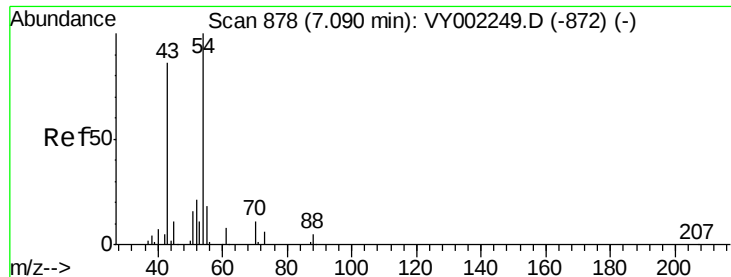
Tot Ion:113 Resp: 83496
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.5 125.3
 192 17.2 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 4.166 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY002291.D
 Acq: 13 Apr 2020 19:23

Tgt Ion: 75 Resp: 11524
 Ion Ratio Lower Upper
 75 100
 110 7.7 17.8 53.3#
 77 0.0 24.4 36.6#

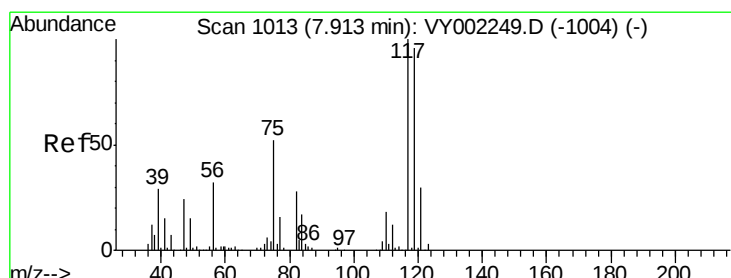
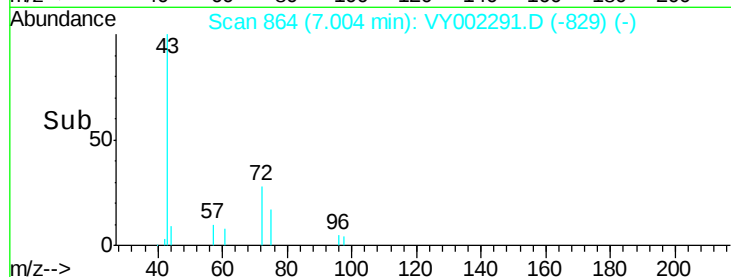
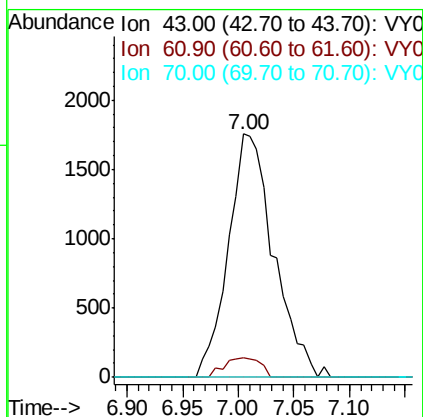
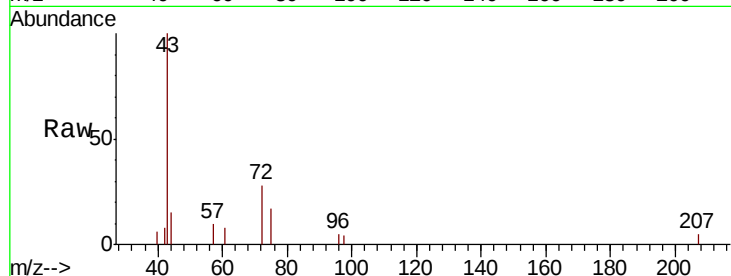




#37
Ethyl Acetate
Concen: 3.140 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.09 min
Lab File: VY002291.D
Acq: 13 Apr 2020 19:23

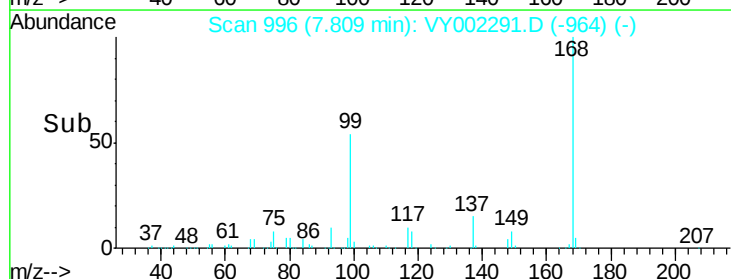
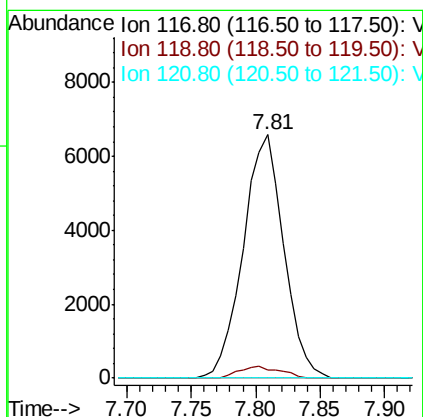
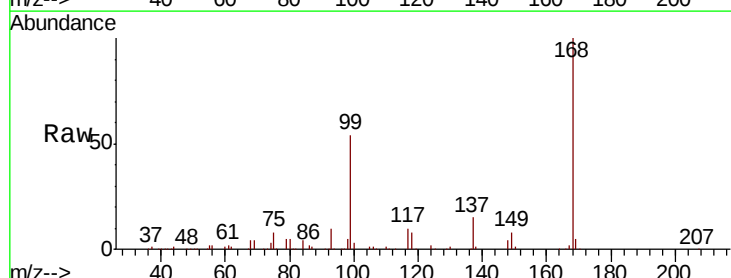
Instrument :
MSVOA_Y
ClientSampleId :

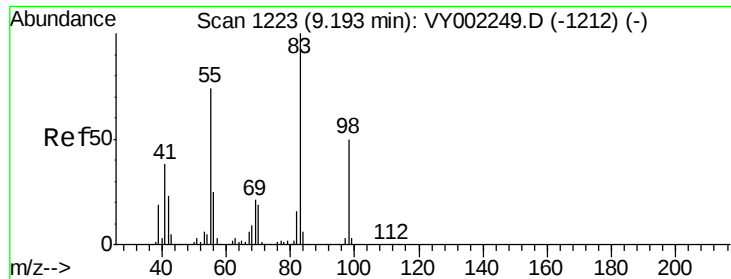
Tot Ion: 43 Resp: 4962
Ion Ratio Lower Upper
43 100
61 6.2 11.8 17.6#
70 0.0 9.1 13.7#



#38
Carbon Tetrachloride
Concen: 6.050 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.10 min
Lab File: VY002291.D
Acq: 13 Apr 2020 19:23

Tgt Ion: 117 Resp: 14315
Ion Ratio Lower Upper
117 100
119 3.2 77.1 115.7#
121 0.0 23.9 35.9#

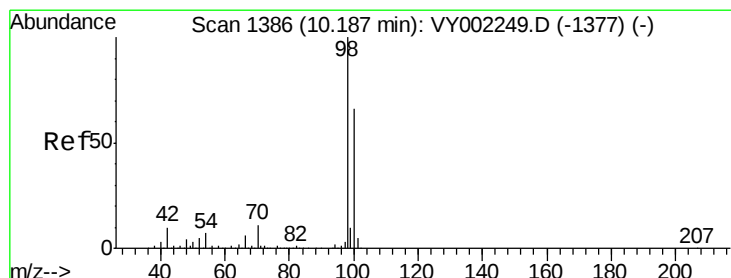
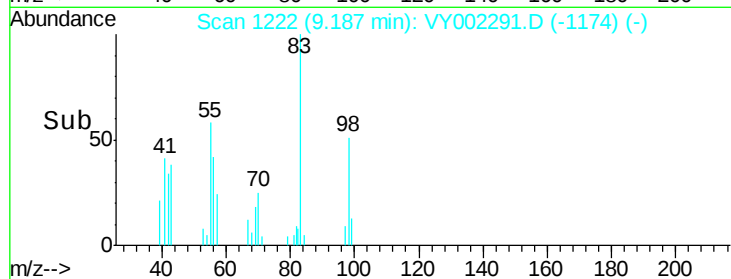
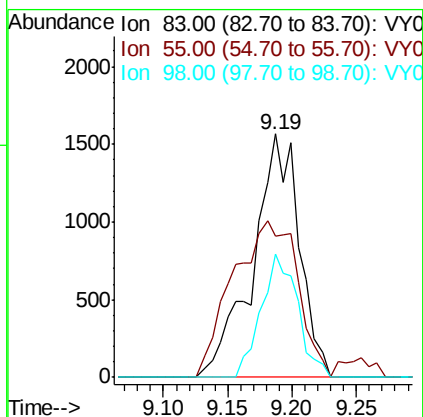
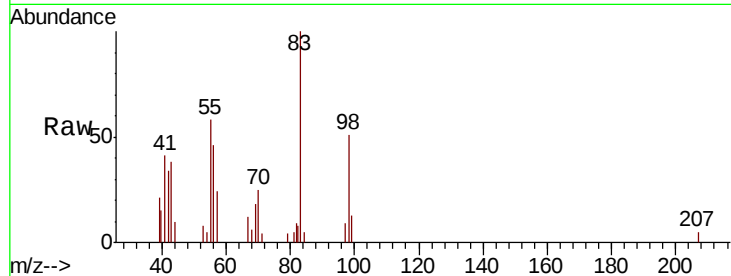




#39
Methylcyclohexane
Concen: 1.038 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY002291.D
Acq: 13 Apr 2020 19:23

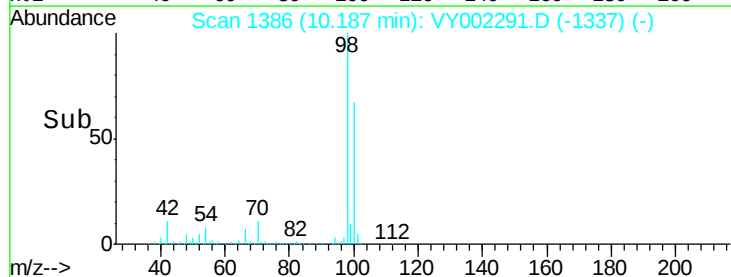
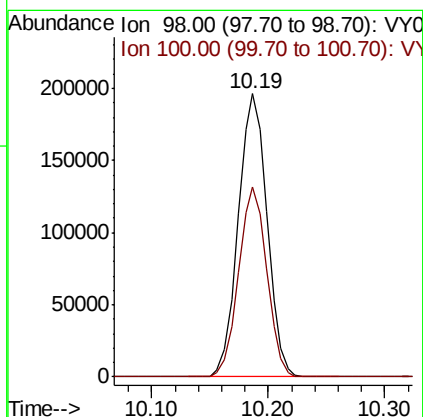
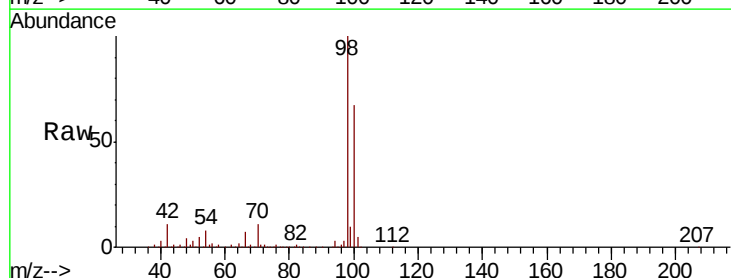
Instrument :
MSVOA_Y
ClientSampled :

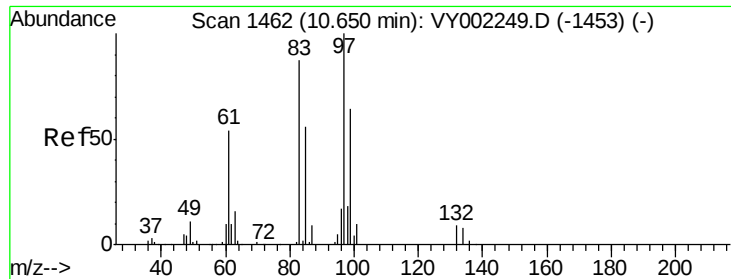
Tot Ion: 83 Resp: 3907
Ion Ratio Lower Upper
83 100
55 58.3 59.3 88.9#
98 50.9 39.6 59.4



#50
Toluene-d8
Concen: 48.428 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY002291.D
Acq: 13 Apr 2020 19:23

Tgt Ion: 98 Resp: 338706
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8

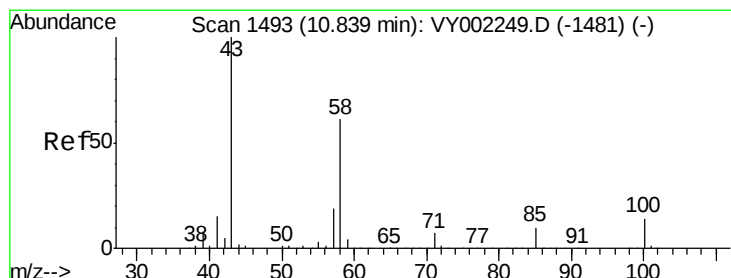
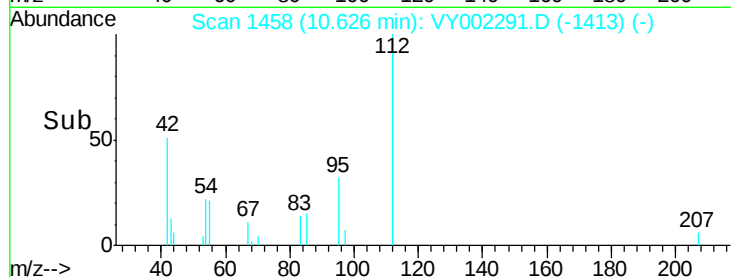
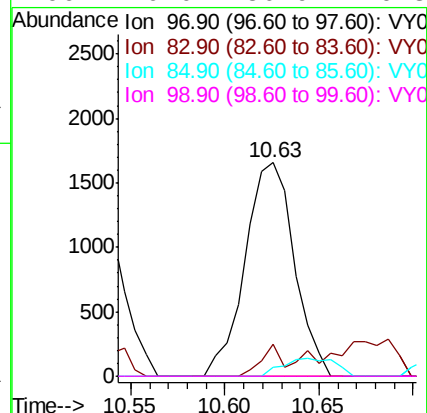
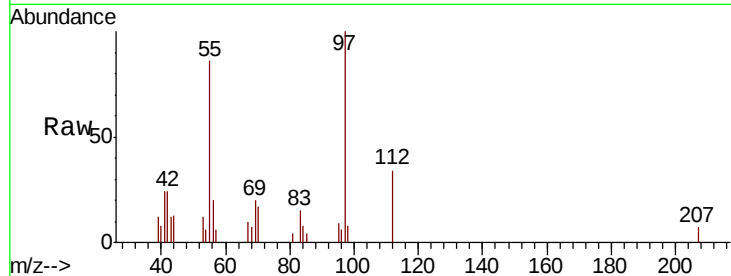




#55
 1,1,2-Trichloroethane
 Concen: 1.877 ug/l
 RT: 10.63 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: VY002291.D
 Acq: 13 Apr 2020 19:23

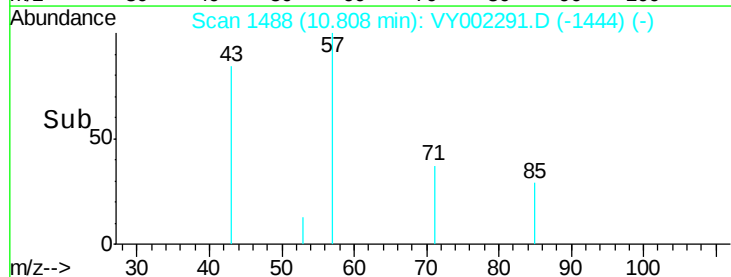
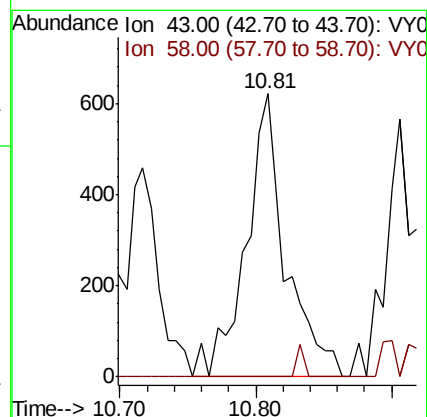
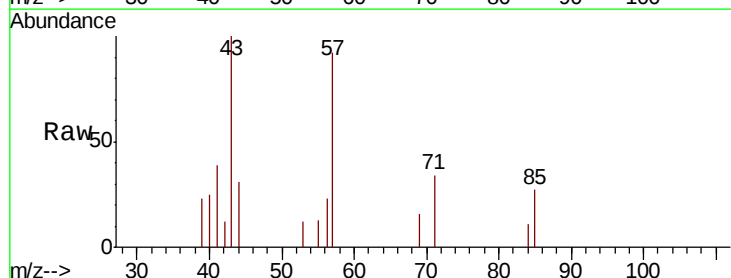
Instrument :
 MSVOA_Y
 ClientSampleId :

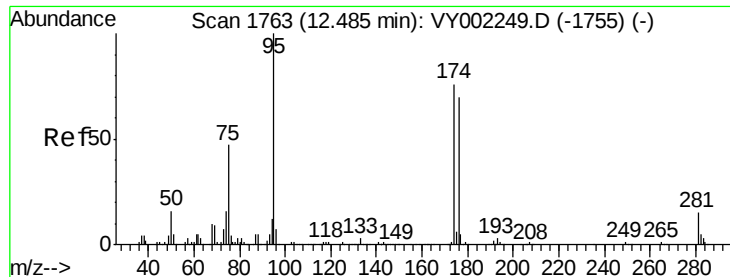
Tot Ion: 97 Resp: 2992
 Ion Ratio Lower Upper
 97 100
 83 15.3 69.5 104.3#
 85 4.0 45.2 67.8#
 99 0.0 50.9 76.3#



#59
 2-Hexanone
 Concen: 1.211 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. -0.03 min
 Lab File: VY002291.D
 Acq: 13 Apr 2020 19:23

Tgt Ion: 43 Resp: 1262
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.8 89.3#

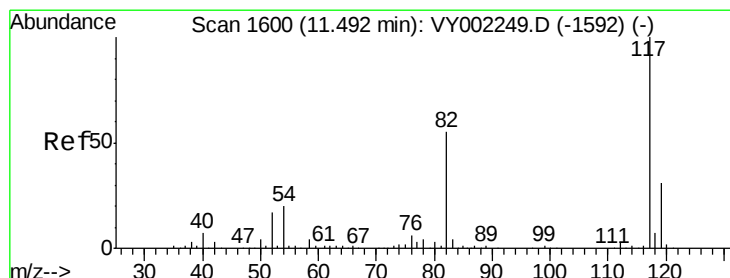
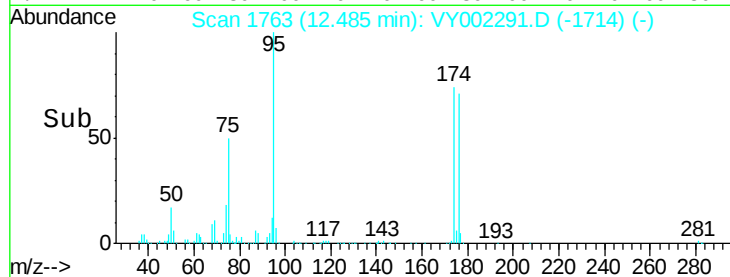
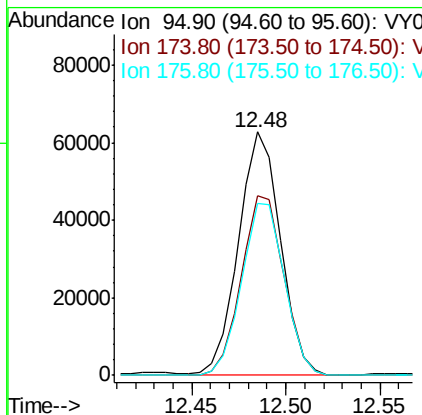
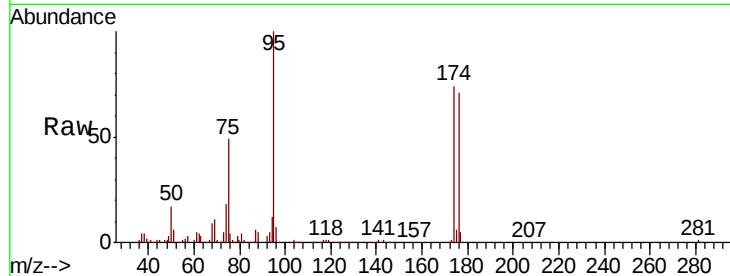




#62
4-Bromofluorobenzene
Concen: 41.719 ug/l
RT: 12.48 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY002291.D
Acq: 13 Apr 2020 19:23

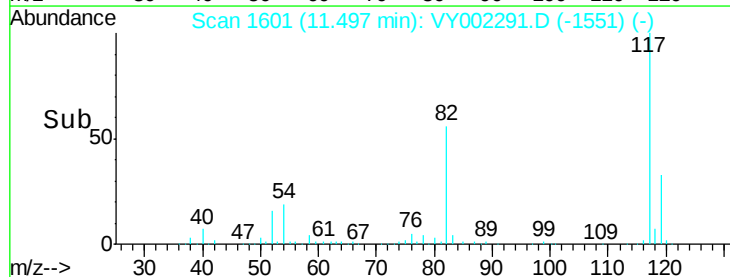
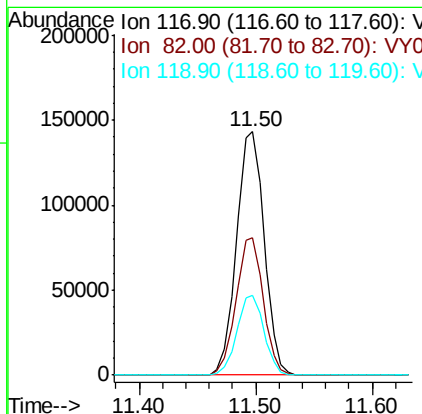
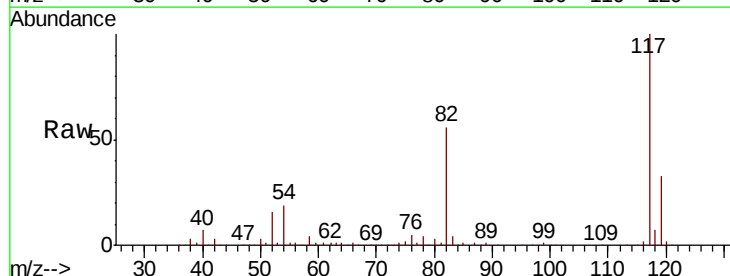
Instrument :
MSVOA_Y
ClientSampleId :

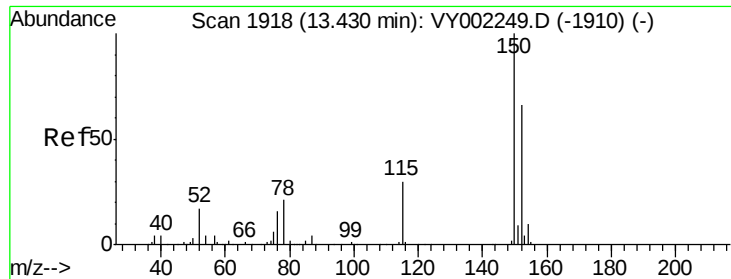
Tot Ion: 95 Resp: 96263
Ion Ratio Lower Upper
95 100
174 75.6 0.0 150.6
176 72.8 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002291.D
Acq: 13 Apr 2020 19:23

Tgt Ion: 117 Resp: 237737
Ion Ratio Lower Upper
117 100
82 56.3 44.2 66.4
119 33.0 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VY002291.D

Acq: 13 Apr 2020 19:23

Instrument :

MSVOA_Y

ClientSampleId :

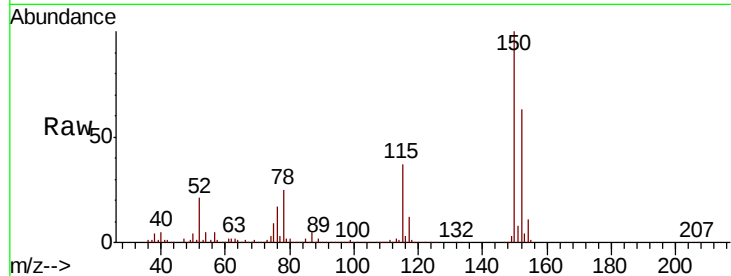
Tot Ion:152 Resp: 83446

Ion Ratio Lower Upper

152 100

115 59.1 30.7 92.1

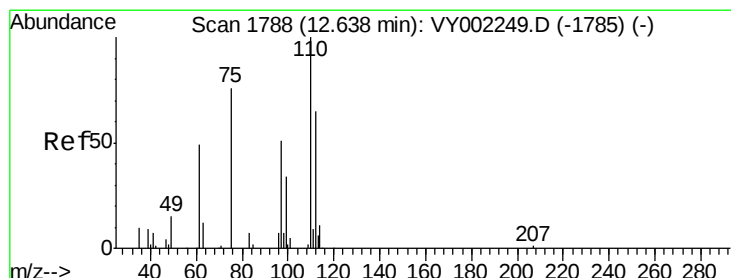
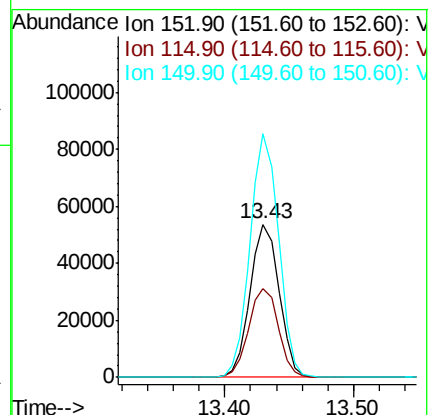
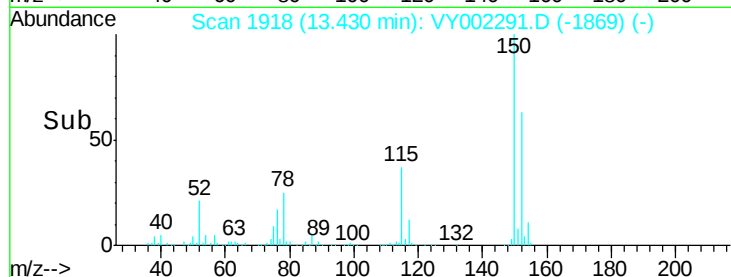
150 156.2 0.0 350.6



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: 49.291 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002291.D

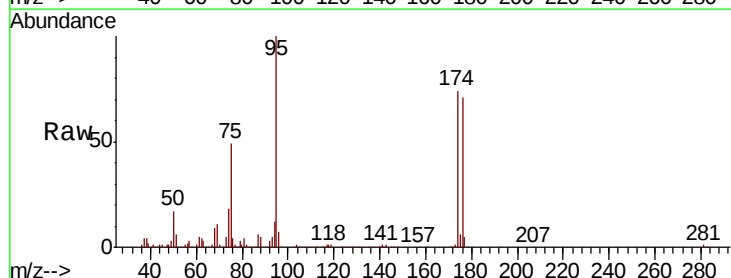
Acq: 13 Apr 2020 19:23

Tgt Ion: 75 Resp: 47763

Ion Ratio Lower Upper

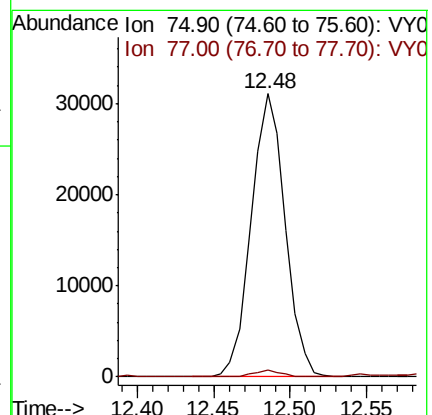
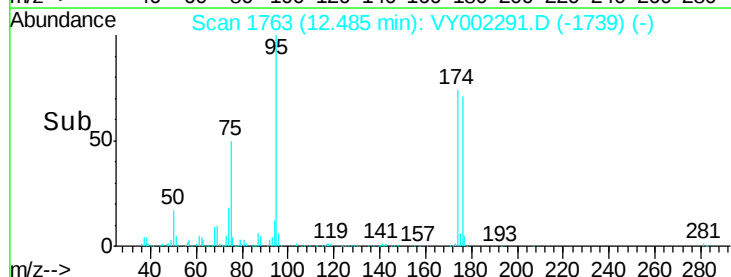
75 100

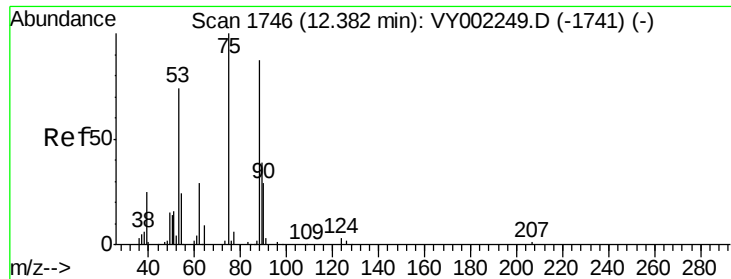
77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

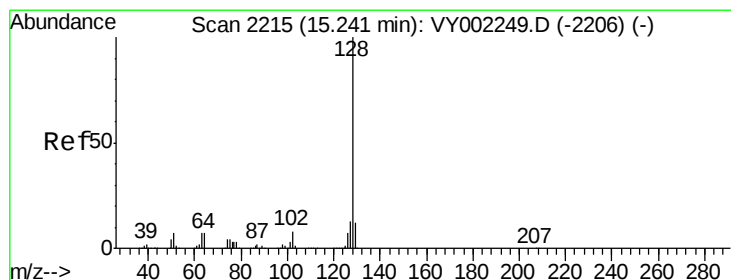
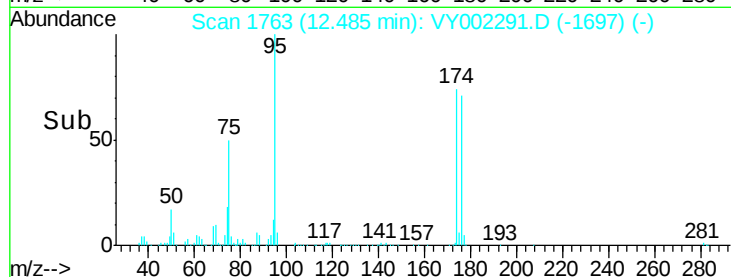
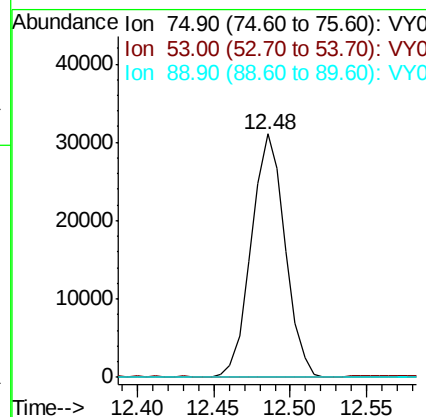
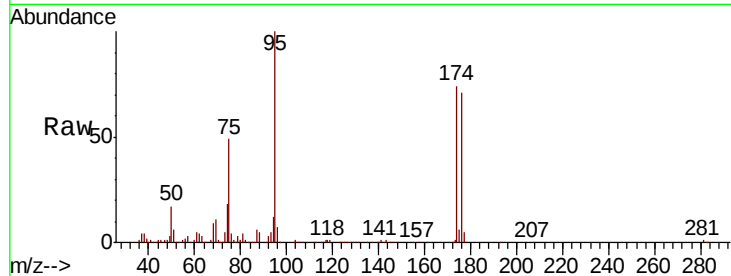




#81
trans-1,4-Dichloro-2-butene
Concen: 95.871 ug/l
RT: 12.48 min Scan# 1763
Delta R.T. 0.10 min
Lab File: VY002291.D
Acq: 13 Apr 2020 19:23

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 75 Resp: 47763
Ion Ratio Lower Upper
75 100
53 0.5 59.8 89.8#
89 0.1 37.0 55.6#



#95
Naphthalene
Concen: 2.123 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.00 min
Lab File: VY002291.D
Acq: 13 Apr 2020 19:23

Tgt Ion: 128 Resp: 7716
Ion Ratio Lower Upper
128 100
127 13.4 10.1 15.1
129 12.5 8.7 13.1

