

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY033120\
 Data File : VY002148.D
 Acq On : 31 Mar 2020 20:50
 Operator : SY/MD
 Sample : L2089-04
 Misc : 7.30G/5ML/MSVOA Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 01 05:01:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	117231	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	236338	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.51	117	224978	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	101751	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	76056	58.69	ug/l	0.01
Spiked Amount	50.000		Recovery	=	117.38%	
35) Dibromofluoromethane	7.75	113	71282	53.83	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.66%	
50) Toluene-d8	10.20	98	295341	53.69	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.38%	
62) 4-Bromofluorobenzene	12.50	95	103423	53.76	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.52%	

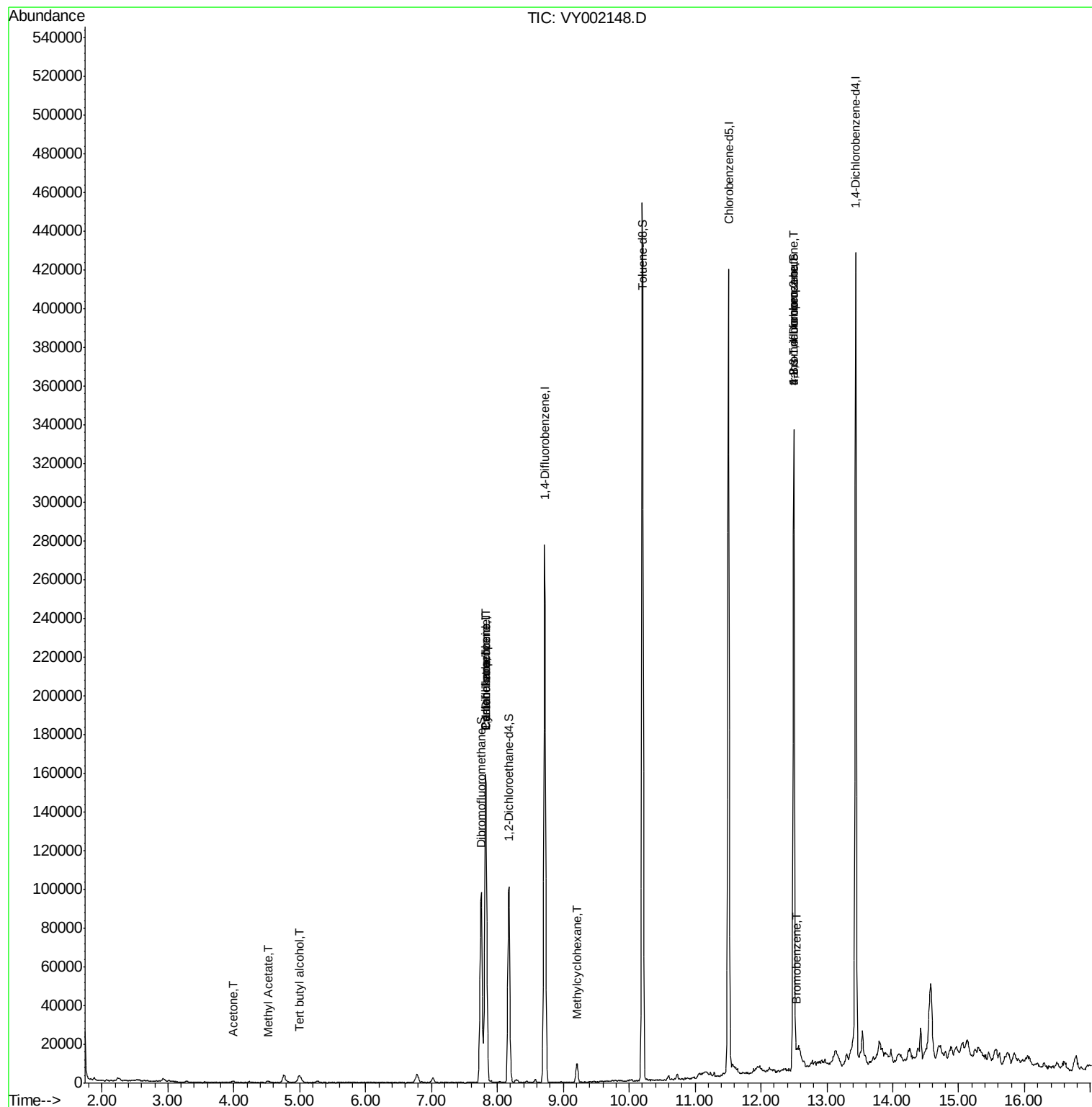
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	8006	52.422	ug/l #	88
16) Acetone	3.99	43	1421	3.903	ug/l	89
18) Methyl Acetate	4.52	43	1487	1.573	ug/l	92
20) Methylene Chloride	4.77	84	2600	Below Cal	#	84
31) Cyclohexane	7.82	56	3084	1.142	ug/l #	4
36) 1,1-Dichloropropene	7.82	75	9610	4.299	ug/l #	50
38) Carbon Tetrachloride	7.82	117	12468	6.574	ug/l #	18
39) Methylcyclohexane	9.21	83	4112	1.402	ug/l	90
76) 1,2,3-Trichloropropane	12.50	75	53515	47.018	ug/l #	100
77) Bromobenzene	12.54	156	4088	2.537	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.50	75	53515	91.091	ug/l #	17

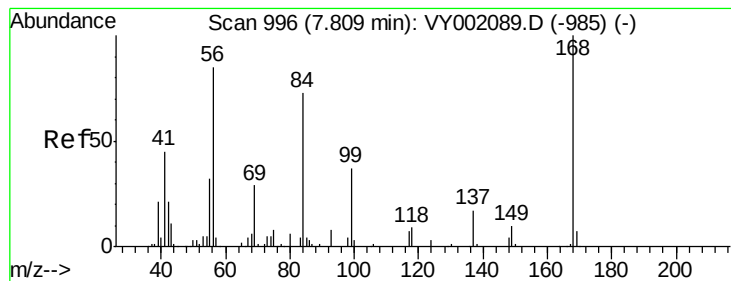
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY033120\
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Quant Time: Apr 01 05:01:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 07:11:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY002148.D

Acq: 31 Mar 2020 20:50

Instrument :

MSVOA_Y

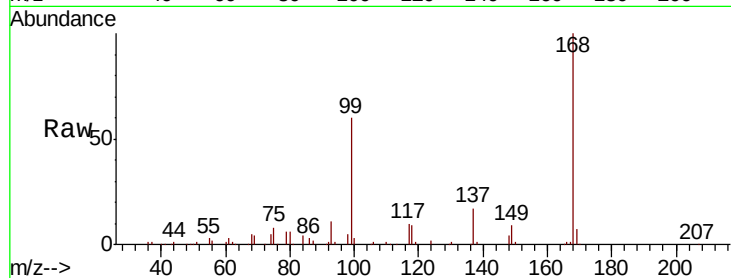
ClientSampleId :

Tot Ion:168 Resp: 117231

Ion Ratio Lower Upper

168 100

99 59.8 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002148.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002148.D (-947) (-)

7.82

60000

50000

40000

30000

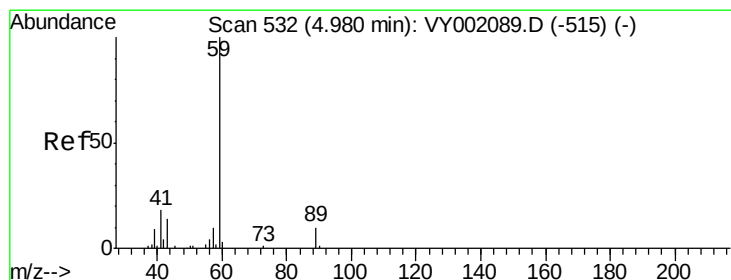
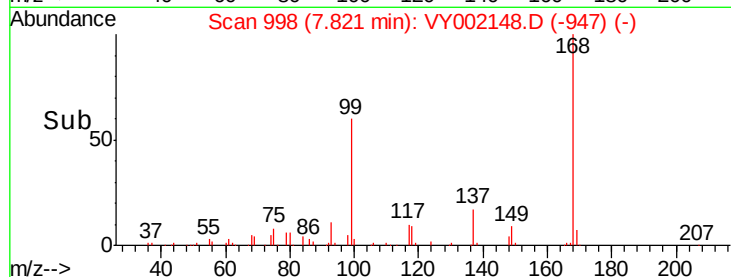
20000

10000

0

Time-->

7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: 52.422 ug/l

RT: 4.99 min Scan# 534

Delta R.T. 0.01 min

Lab File: VY002148.D

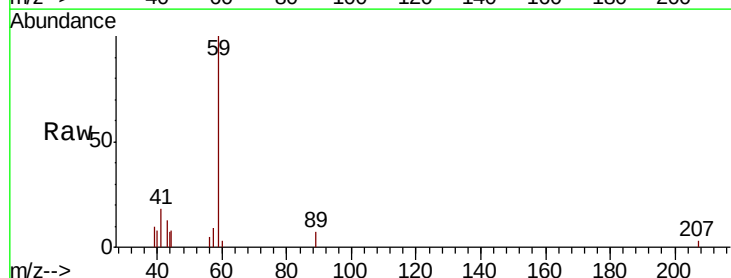
Acq: 31 Mar 2020 20:50

Tgt Ion: 59 Resp: 8006

Ion Ratio Lower Upper

59 100

57 5.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002148.D (-483) (-)

Ion 57.00 (56.70 to 57.70): VY002148.D (-483) (-)

4.99

2000

1500

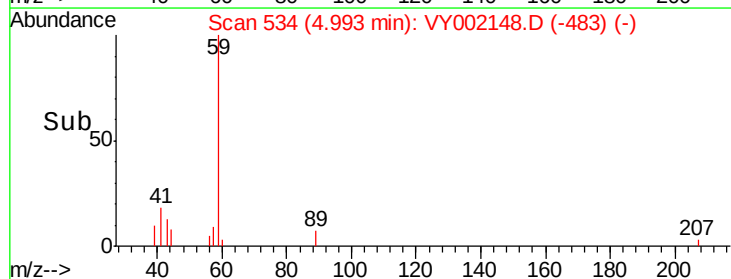
1000

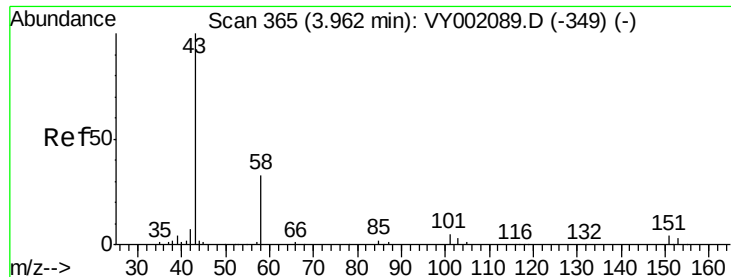
500

0

Time-->

4.90 5.00 5.10





#16

Acetone

Concen: 3.903 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.03 min

Lab File: VY002148.D

Acq: 31 Mar 2020 20:50

Instrument :

MSVOA_Y

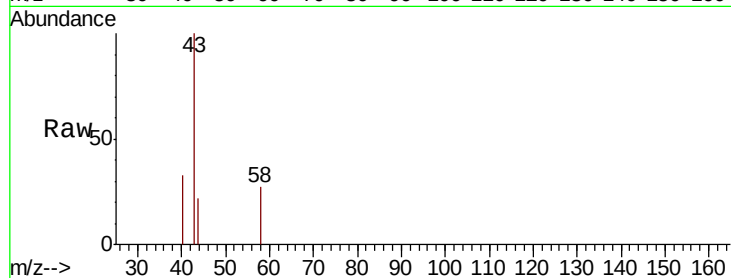
ClientSampleId :

Tot Ion: 43 Resp: 1421

Ion Ratio Lower Upper

43 100

58 26.7 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.99

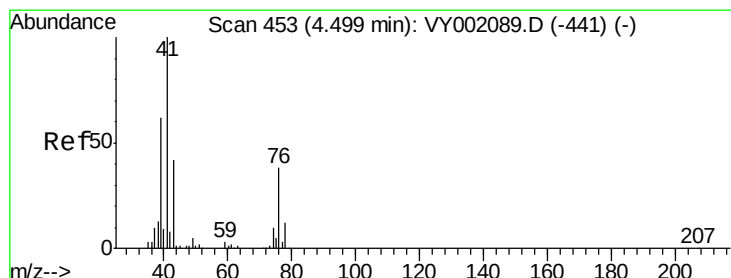
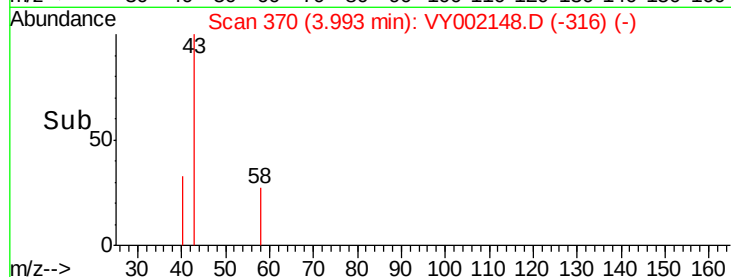
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 1.573 ug/l

RT: 4.52 min Scan# 457

Delta R.T. 0.02 min

Lab File: VY002148.D

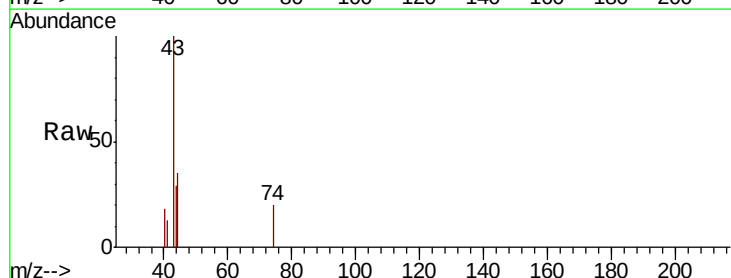
Acq: 31 Mar 2020 20:50

Tgt Ion: 43 Resp: 1487

Ion Ratio Lower Upper

43 100

74 19.2 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

600

500

400

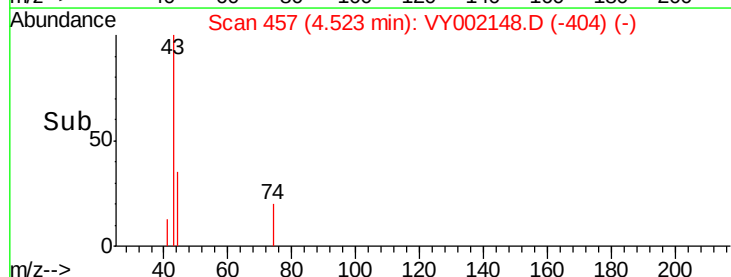
300

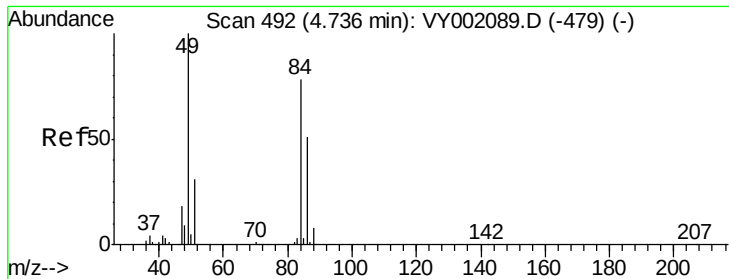
200

100

0

Time-->

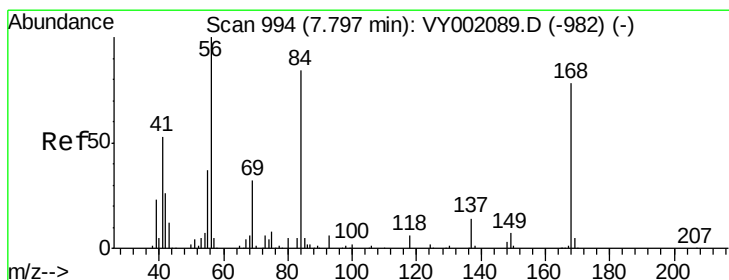
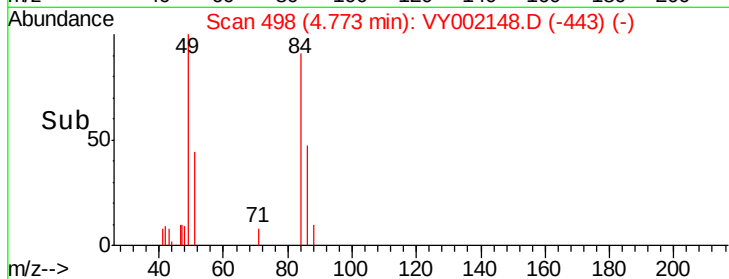
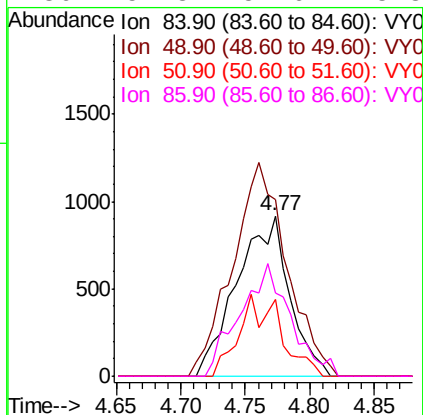
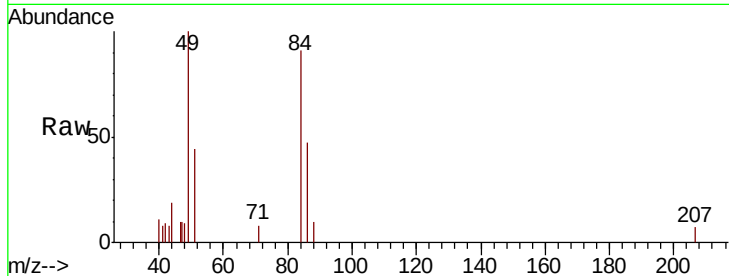




#20
Methylene Chloride
Concen: Below Cal
RT: 4.77 min Scan# 498
Delta R.T. 0.04 min
Lab File: VY002148.D
Acq: 31 Mar 2020 20:50

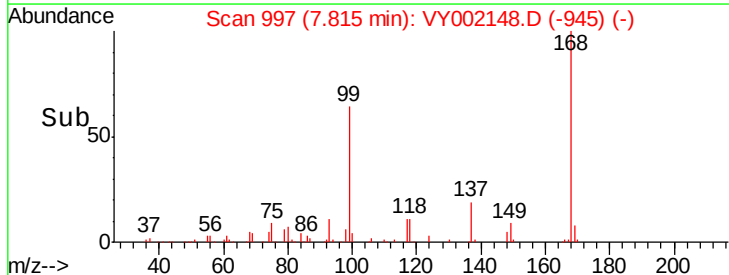
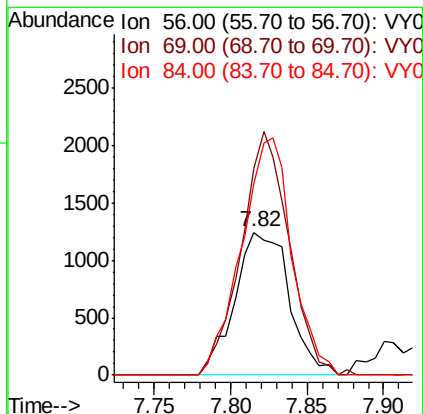
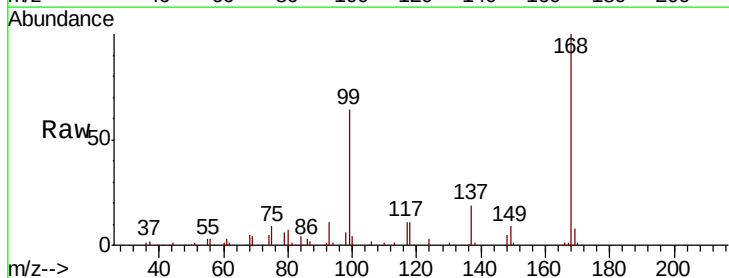
Instrument :
MSVOA_Y
ClientSampleId :

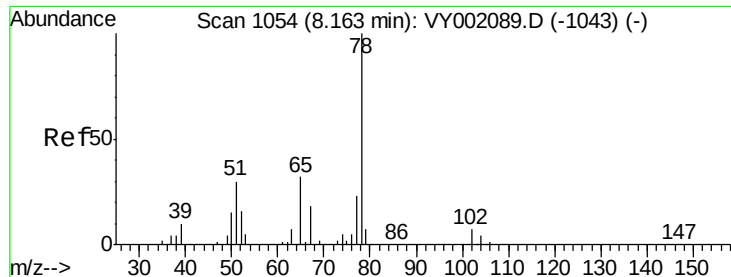
Tot Ion	Ratio	Lower	Upper
84	100		
49	110.3	102.2	153.4
51	48.1	31.2	46.8#
86	52.3	52.6	78.8#



#31
Cyclohexane
Concen: 1.142 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.02 min
Lab File: VY002148.D
Acq: 31 Mar 2020 20:50

Tgt Ion	Ratio	Lower	Upper
56	100		
69	144.9	25.8	38.8#
84	133.7	67.1	100.7#

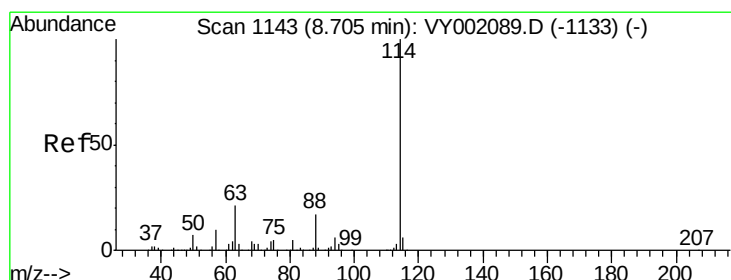
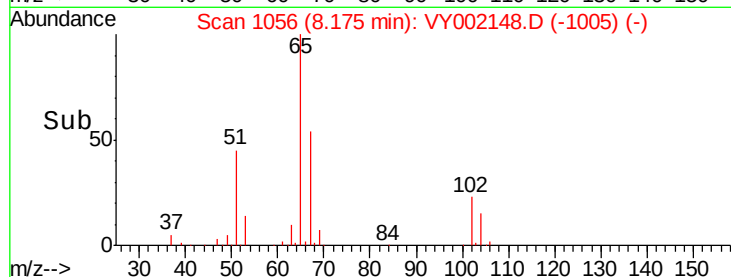
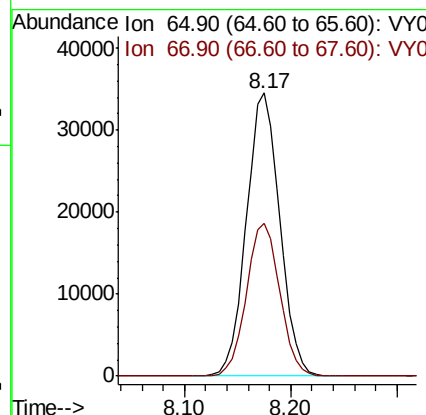
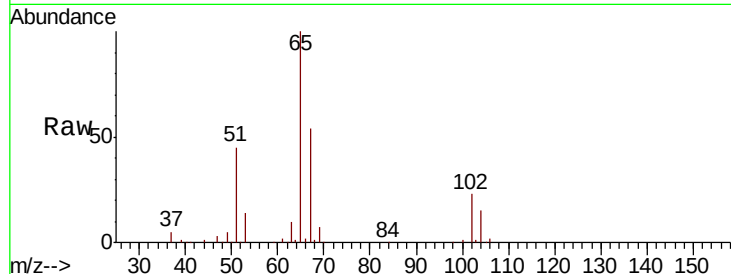




#33
 1,2-Dichloroethane-d4
 Concen: 58.687 ug/l
 RT: 8.17 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY002148.D
 Acq: 31 Mar 2020 20:50

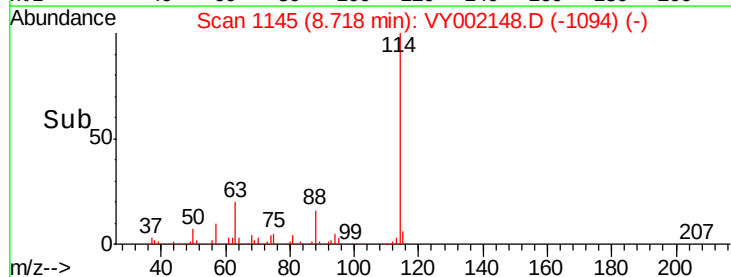
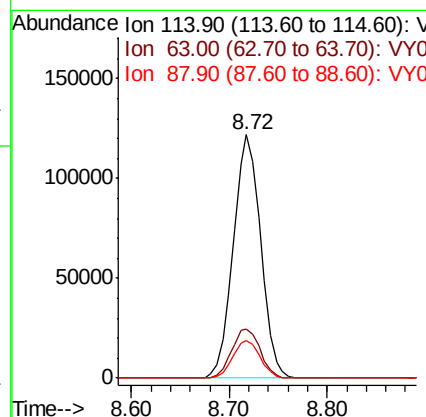
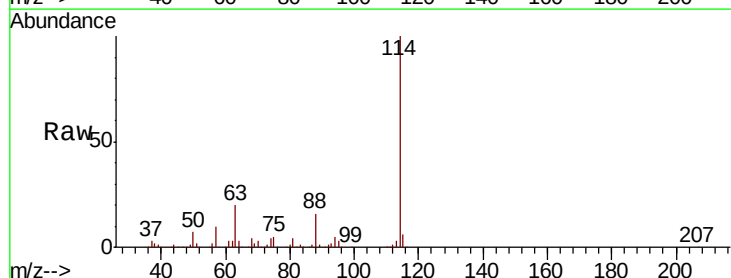
Instrument :
 MSVOA_Y
 ClientSampleId :

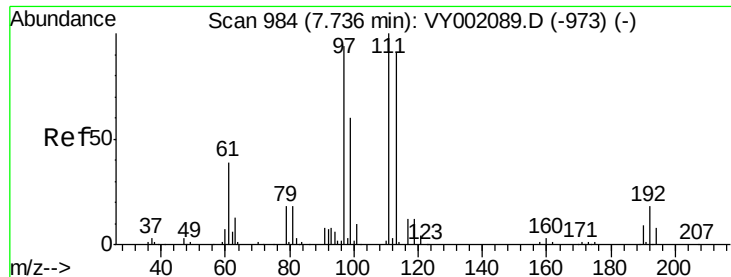
Tot Ion: 65 Resp: 76056
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY002148.D
 Acq: 31 Mar 2020 20:50

Tgt Ion: 114 Resp: 236338
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.4
 88 15.7 0.0 33.0

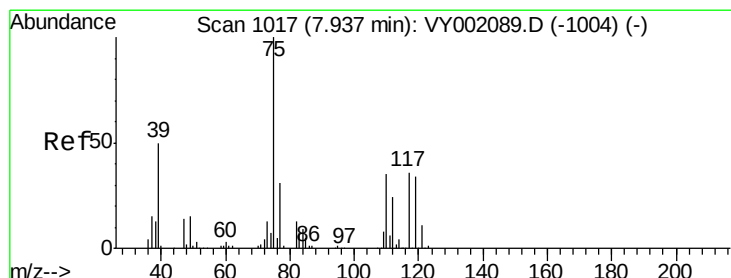
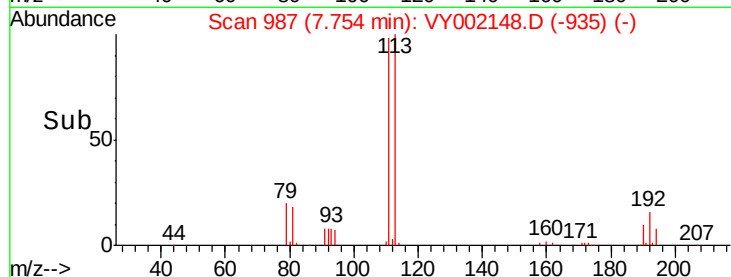
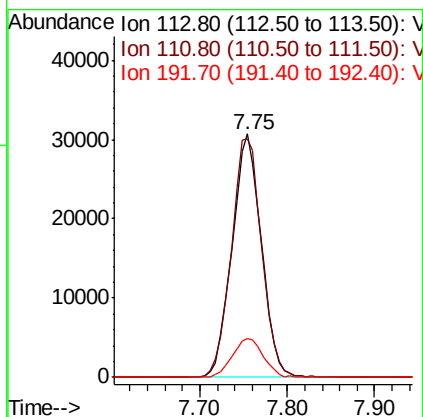
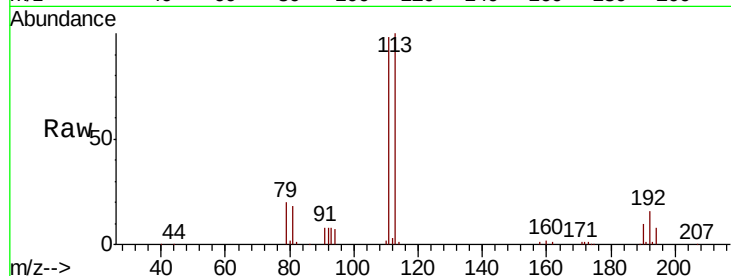




#35
 Dibromofluoromethane
 Concen: 53.829 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.02 min
 Lab File: VY002148.D
 Acq: 31 Mar 2020 20:50

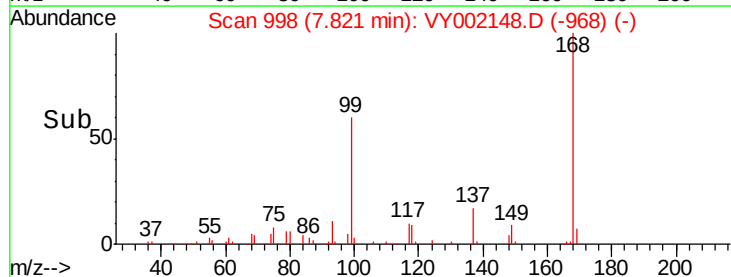
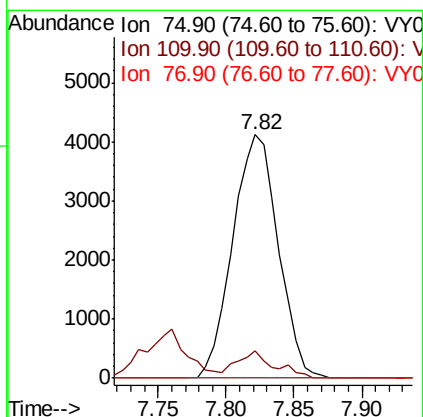
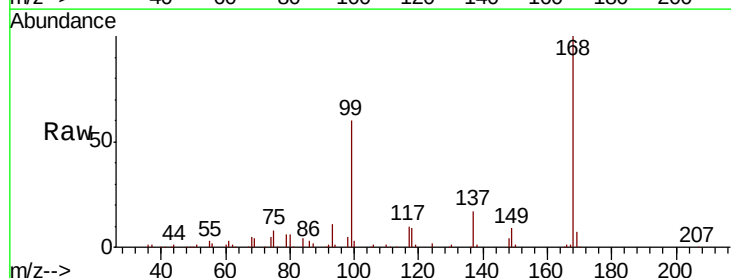
Instrument :
 MSVOA_Y
 ClientSampleId :

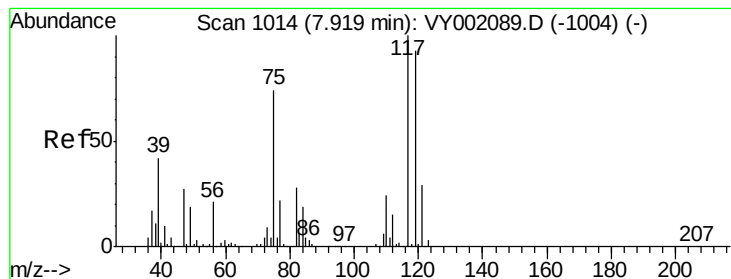
Tot Ion:113 Resp: 71282
 Ion Ratio Lower Upper
 113 100
 111 101.8 84.4 126.6
 192 16.8 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 4.299 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY002148.D
 Acq: 31 Mar 2020 20:50

Tgt Ion: 75 Resp: 9610
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.2 51.6#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.574 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY002148.D

Acq: 31 Mar 2020 20:50

Instrument :

MSVOA_Y

ClientSampled :

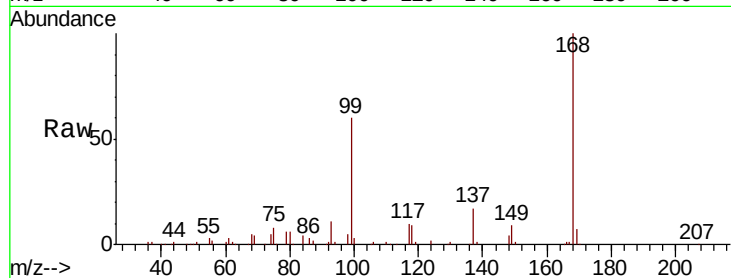
Tot Ion:117 Resp: 12468

Ion Ratio Lower Upper

117 100

119 5.8 74.3 111.5#

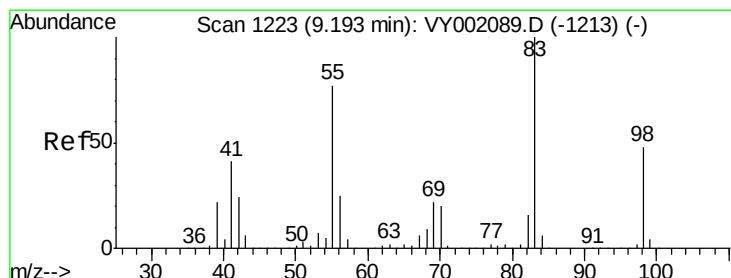
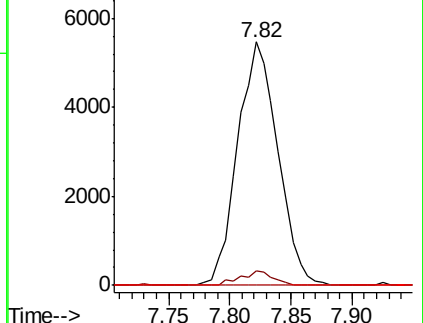
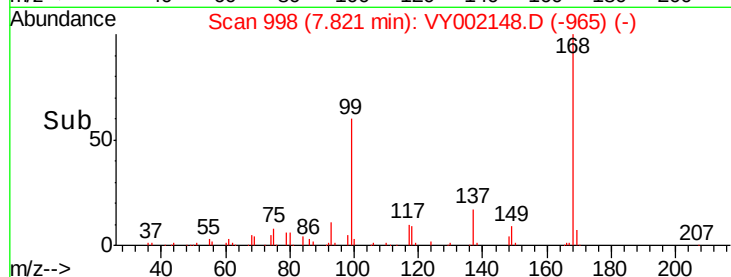
121 0.0 23.3 34.9#



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



#39

Methylcyclohexane

Concen: 1.402 ug/l

RT: 9.21 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VY002148.D

Acq: 31 Mar 2020 20:50

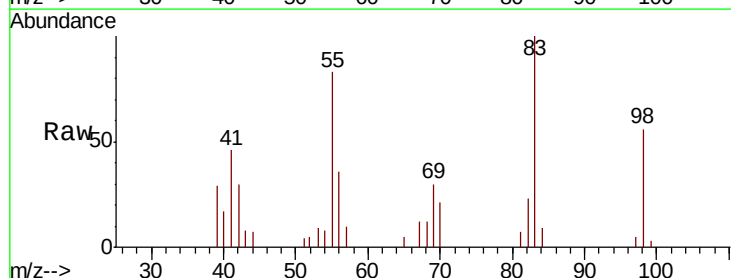
Tgt Ion: 83 Resp: 4112

Ion Ratio Lower Upper

83 100

55 83.5 61.2 91.8

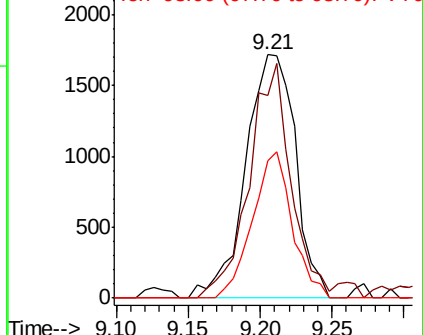
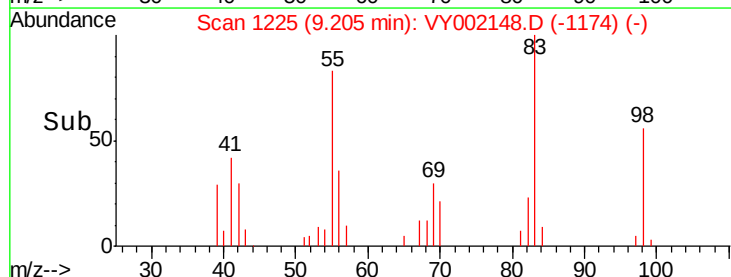
98 56.3 38.2 57.2

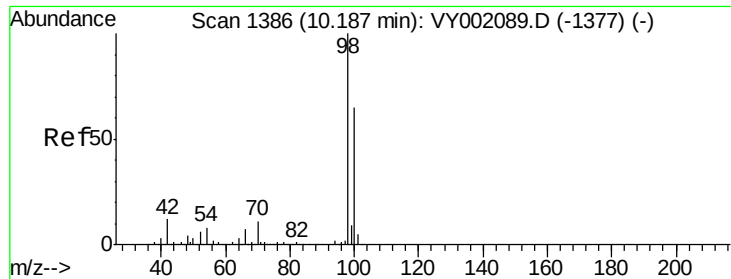


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#50

Toluene-d8

Concen: 53.687 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY002148.D

Acq: 31 Mar 2020 20:50

Instrument :

MSVOA_Y

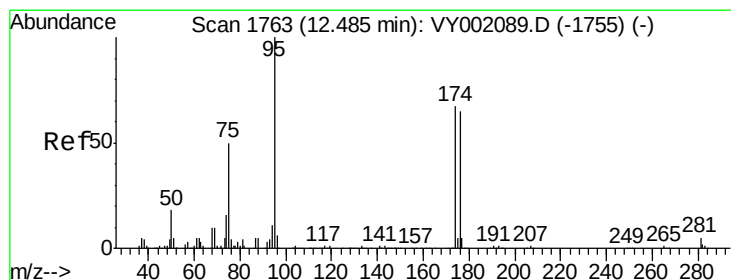
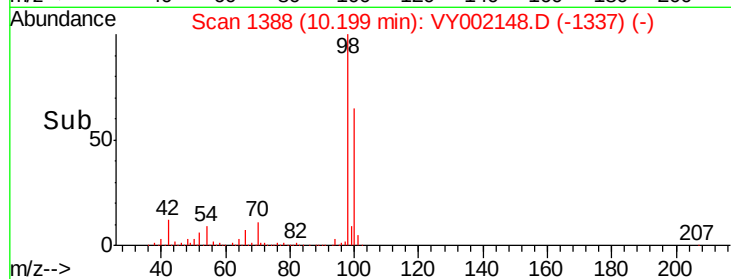
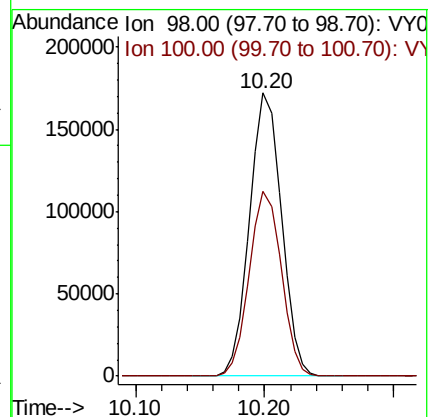
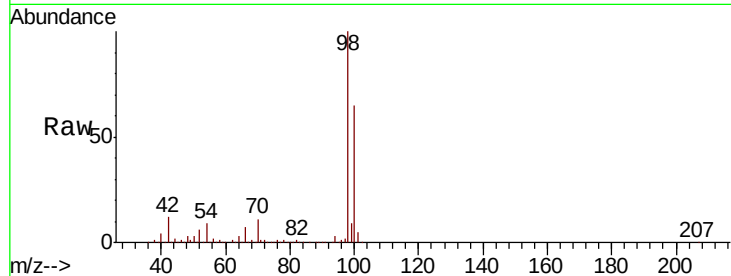
ClientSampleId :

Tot Ion: 98 Resp: 295341

Ion Ratio Lower Upper

98 100

100 65.6 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 53.755 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY002148.D

Acq: 31 Mar 2020 20:50

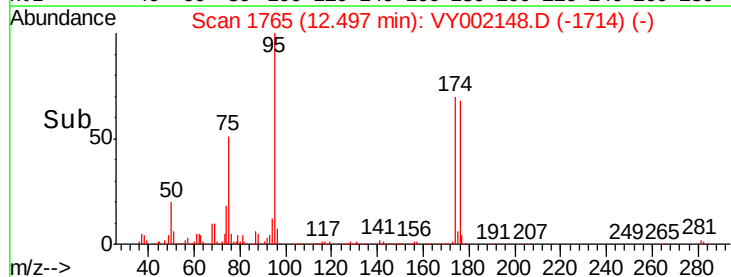
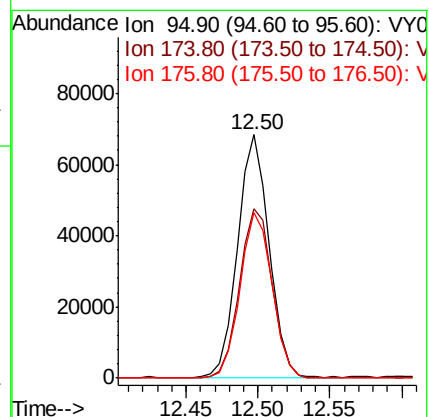
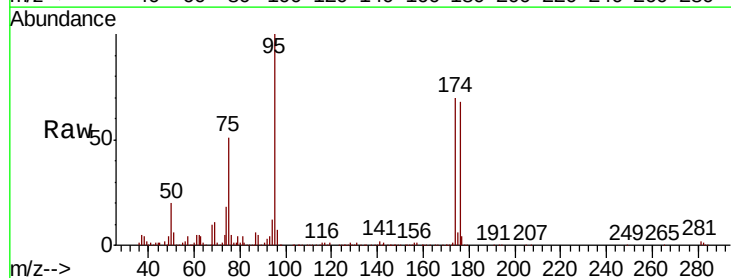
Tgt Ion: 95 Resp: 103423

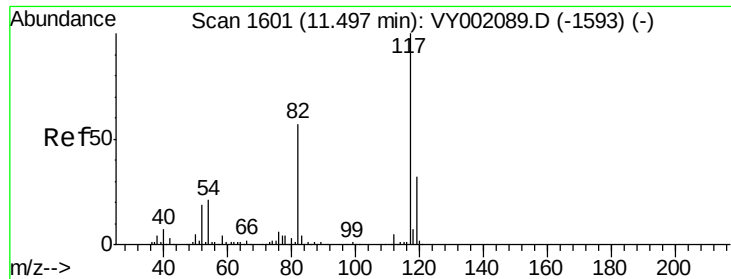
Ion Ratio Lower Upper

95 100

174 72.9 0.0 143.4

176 69.4 0.0 137.0

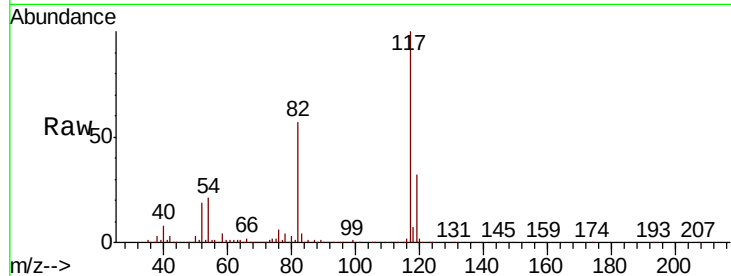




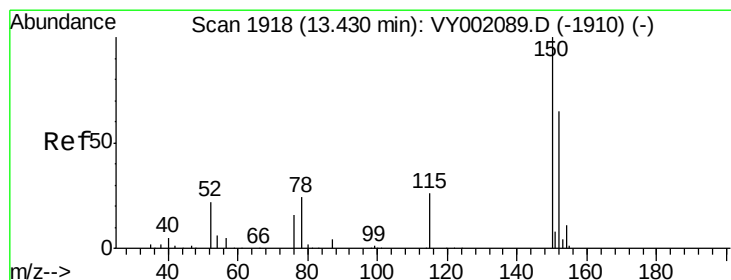
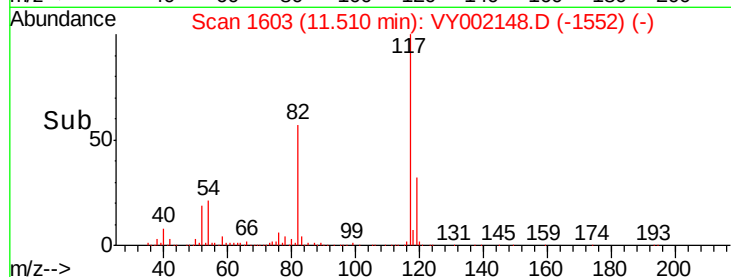
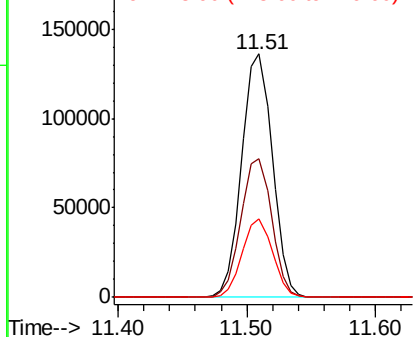
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY002148.D
Acq: 31 Mar 2020 20:50

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 224978
Ion Ratio Lower Upper
117 100
82 56.7 45.4 68.2
119 32.3 25.3 37.9

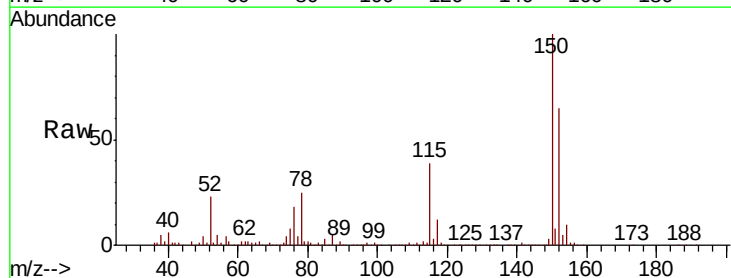


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

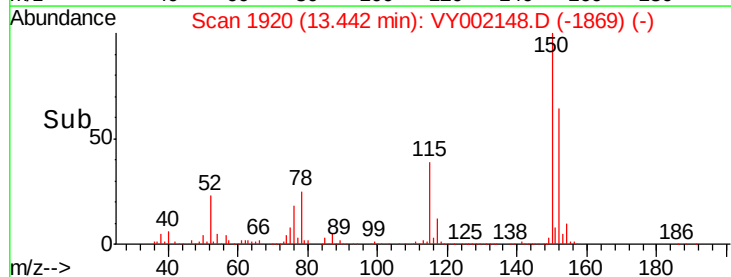
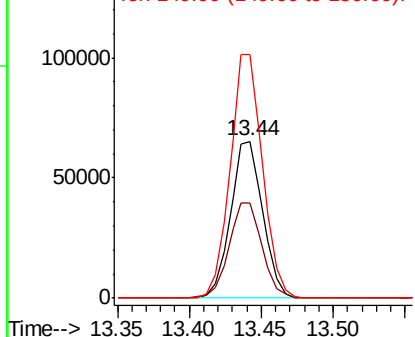


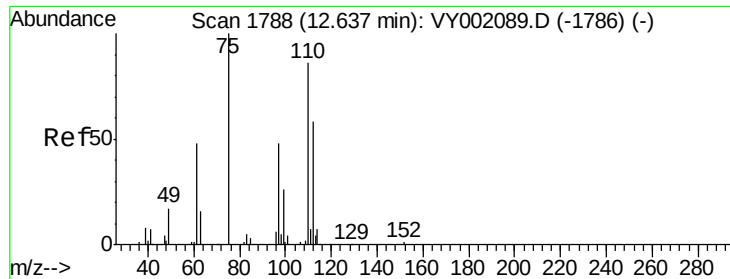
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VY002148.D
Acq: 31 Mar 2020 20:50

Tgt Ion:152 Resp: 101751
Ion Ratio Lower Upper
152 100
115 61.8 31.2 93.6
150 156.2 0.0 354.8



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

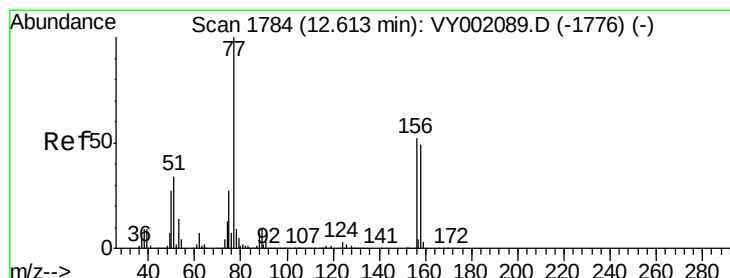
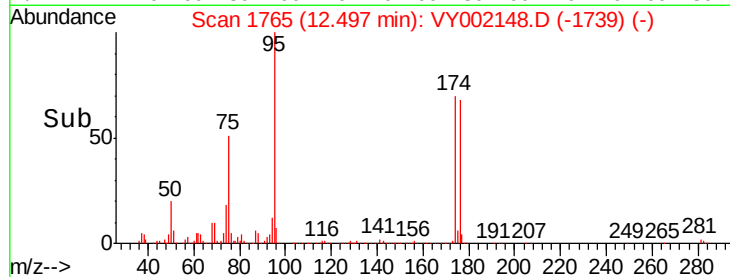
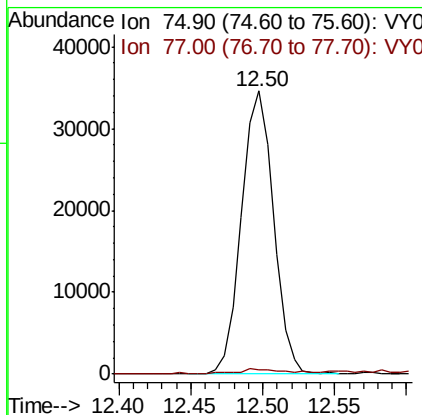
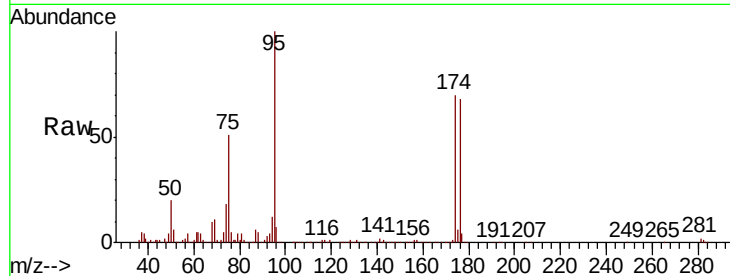




#76
 1,2,3-Trichloropropane
 Concen: 47.018 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. -0.14 min
 Lab File: VY002148.D
 Acq: 31 Mar 2020 20:50

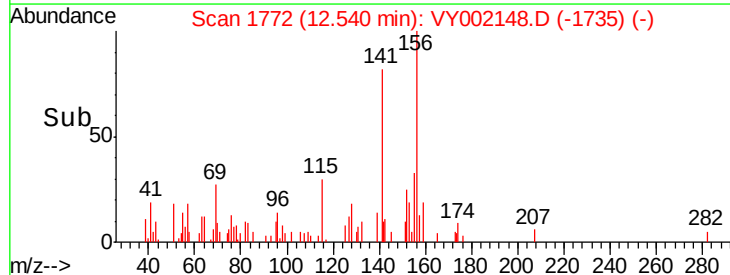
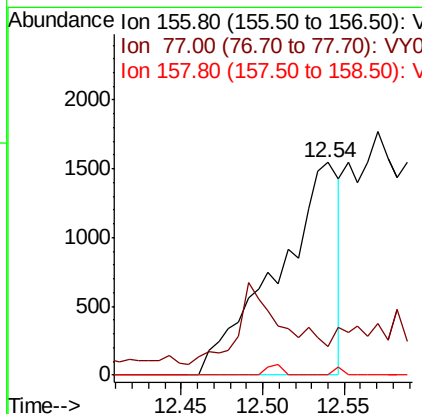
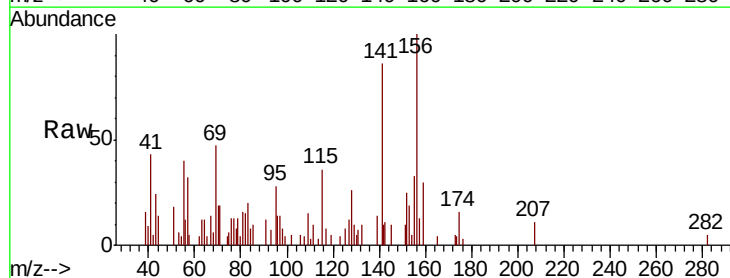
Instrument :
 MSVOA_Y
 ClientSampleId :

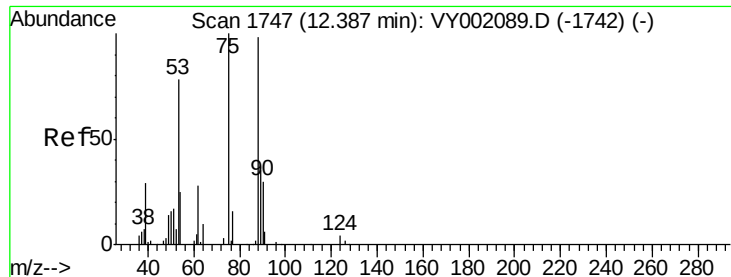
Tot Ion: 75 Resp: 53515
 Ion Ratio Lower Upper
 75 100
 77 2.3 0.0 0.0#



#77
 Bromobenzene
 Concen: 2.537 ug/l
 RT: 12.54 min Scan# 1772
 Delta R.T. -0.07 min
 Lab File: VY002148.D
 Acq: 31 Mar 2020 20:50

Tgt Ion: 156 Resp: 4088
 Ion Ratio Lower Upper
 156 100
 77 4.3 107.8 323.6#
 158 0.5 47.5 142.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 91.091 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY002148.D

Acq: 31 Mar 2020 20:50

Instrument :

MSVOA_Y

ClientSampleId :

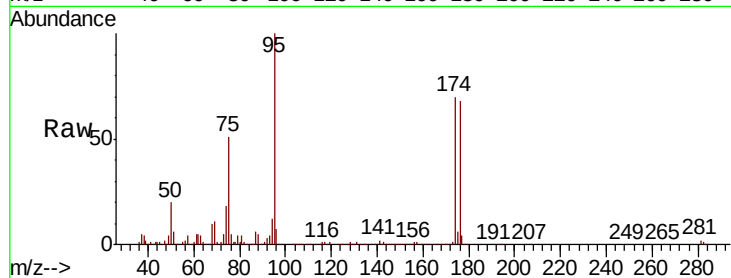
Tot Ion: 75 Resp: 53515

Ion Ratio Lower Upper

75 100

53 0.2 65.0 97.4#

89 0.1 33.4 50.0#



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

