

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021920\
 Data File : VY001702.D
 Acq On : 19 Feb 2020 16:30
 Operator : SY/MD
 Sample : L1600-02
 Misc : 7.88G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 20 05:40:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	156332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	285779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	255512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	112601	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	94750	56.35	ug/l	0.00
Spiked Amount			Recovery	=	112.70%	
35) Dibromofluoromethane	7.74	113	83783	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
50) Toluene-d8	10.19	98	344761	53.76	ug/l	0.00
Spiked Amount			Recovery	=	107.52%	
62) 4-Bromofluorobenzene	12.49	95	115085	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	

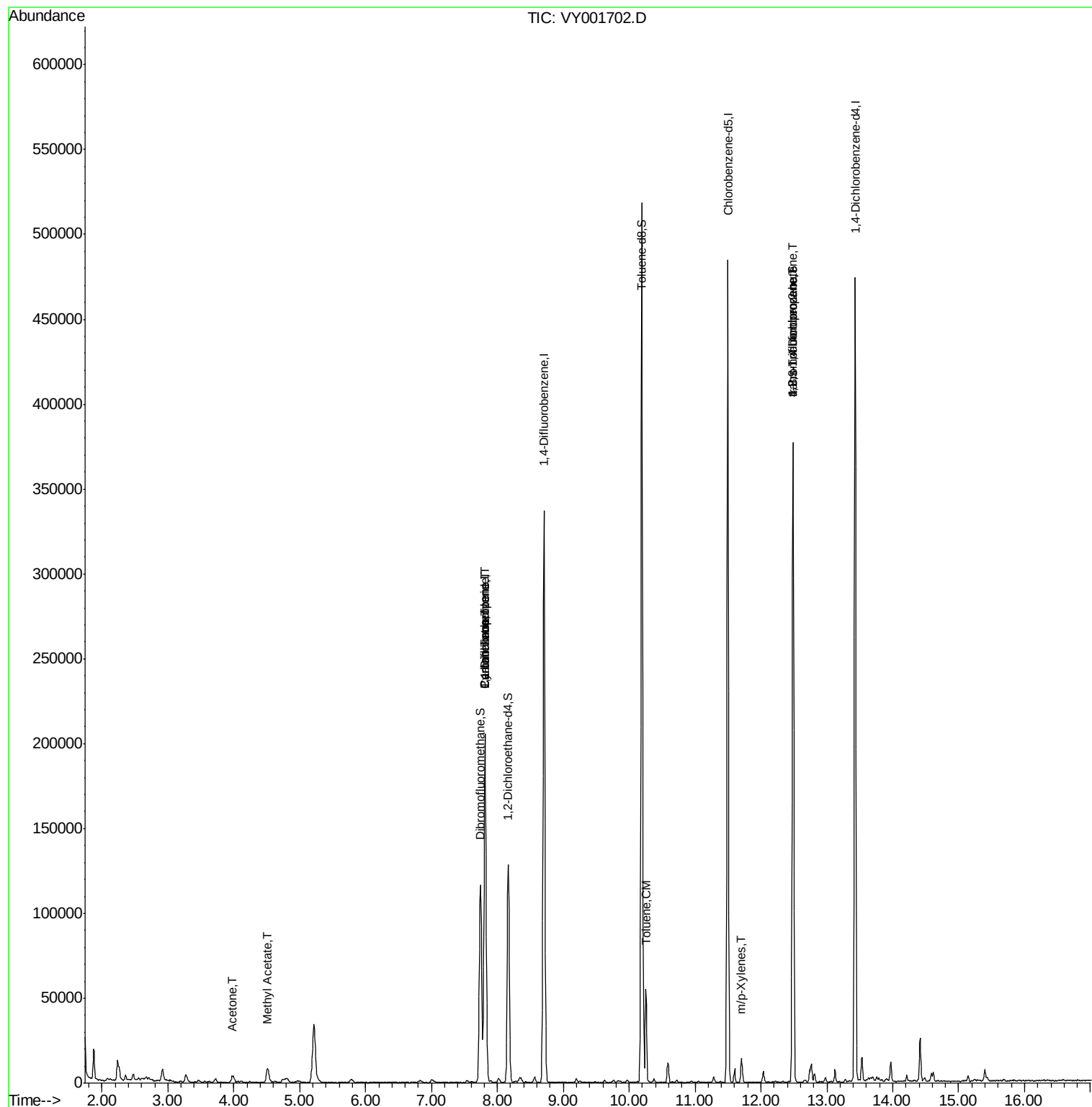
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	1176	Below Cal	#	74
16) Acetone	3.97	43	5597	9.619	ug/l	97
18) Methyl Acetate	4.51	43	16863	13.308	ug/l	99
31) Cyclohexane	7.81	56	4203	1.190	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	13070	4.788	ug/l #	49
38) Carbon Tetrachloride	7.82	117	16215	6.763	ug/l #	16
52) Toluene	10.25	92	22045	4.402	ug/l	99
68) m/p-Xylenes	11.71	106	4070	1.151	ug/l	98
76) 1,2,3-Trichloropropane	12.49	75	60037	46.480	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	60037	88.180	ug/l #	17

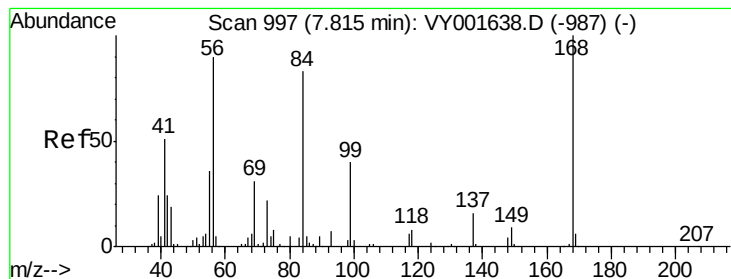
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001702.D

Acq: 19 Feb 2020 16:30

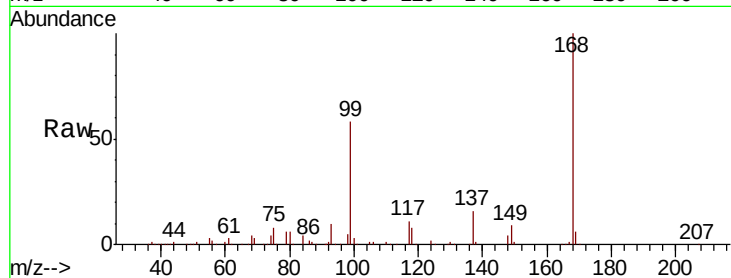
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 156332

Ion Ratio Lower Upper

168 100

99 57.7 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)

7.82

60000

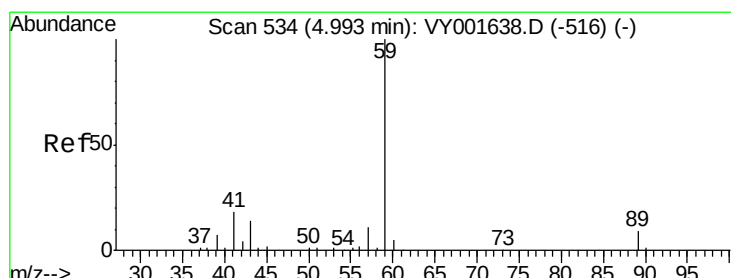
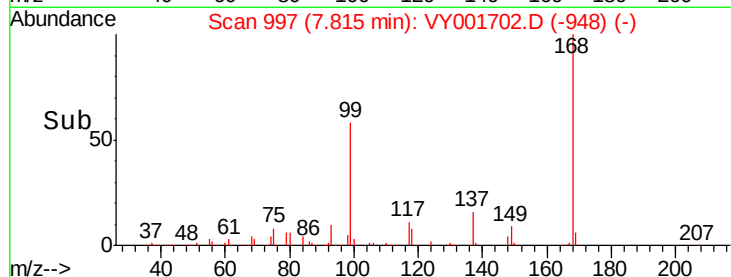
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. -0.02 min

Lab File: VY001702.D

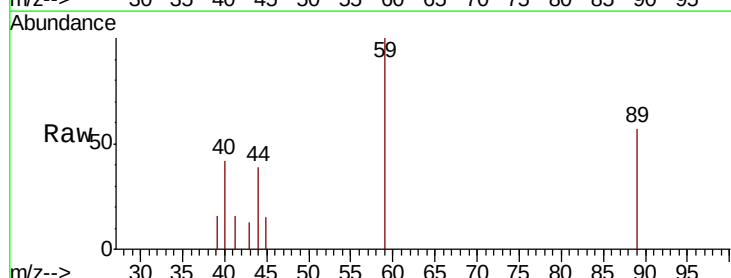
Acq: 19 Feb 2020 16:30

Tgt Ion: 59 Resp: 1176

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001638.D (-516) (-)

Ion 57.00 (56.70 to 57.70): VY001638.D (-516) (-)

4.97

500

400

300

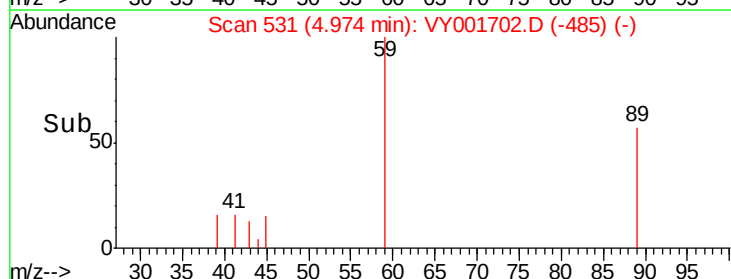
200

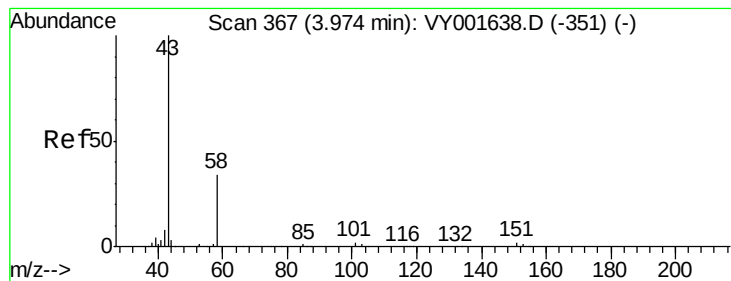
100

0

4.90 4.95 5.00

Time-->





#16

Acetone

Concen: 9.619 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001702.D

Acq: 19 Feb 2020 16:30

Instrument :

MSVOA_Y

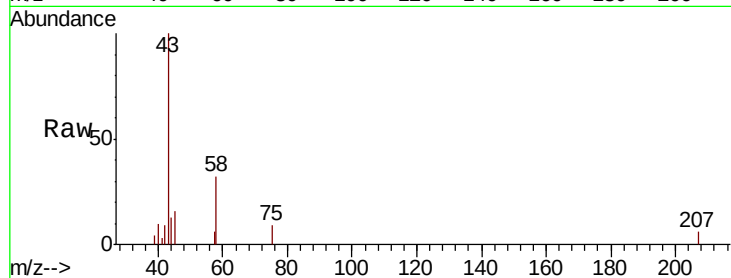
ClientSampleId :

Tot Ion: 43 Resp: 5597

Ion Ratio Lower Upper

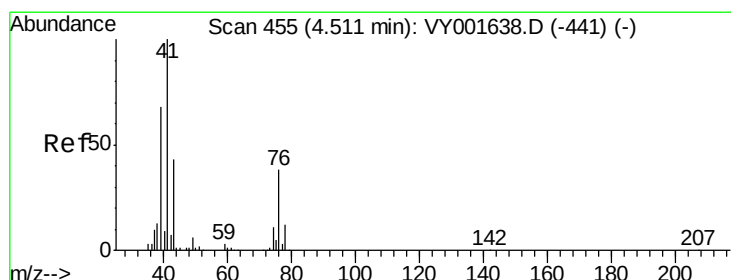
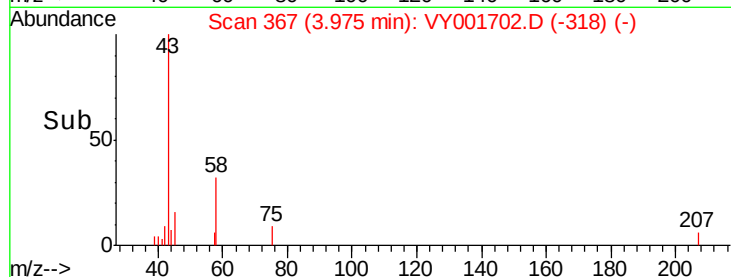
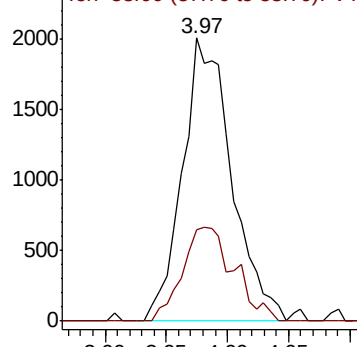
43 100

58 32.2 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#18

Methyl Acetate

Concen: 13.308 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001702.D

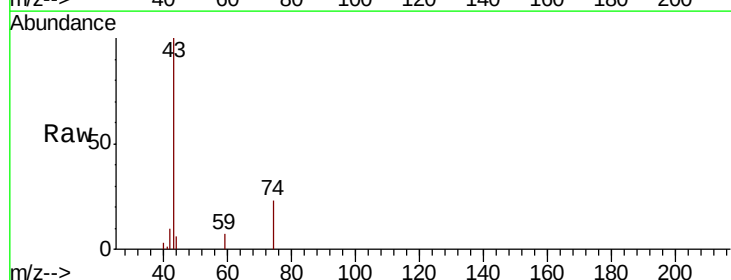
Acq: 19 Feb 2020 16:30

Tgt Ion: 43 Resp: 16863

Ion Ratio Lower Upper

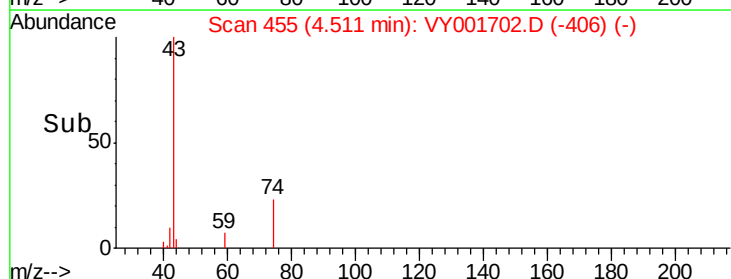
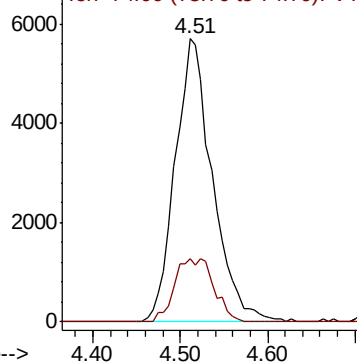
43 100

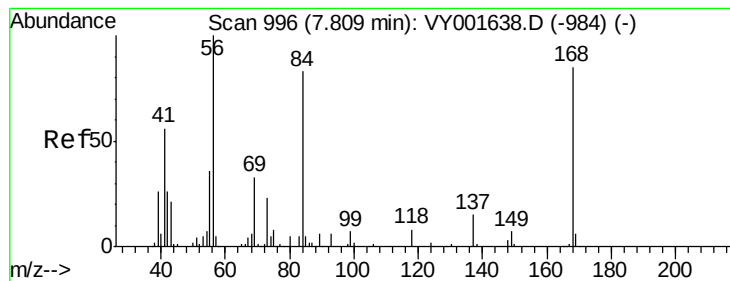
74 23.4 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





#31

Cyclohexane

Concen: 1.190 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001702.D

Acq: 19 Feb 2020 16:30

Instrument :
MSVOA_Y
ClientSampled :

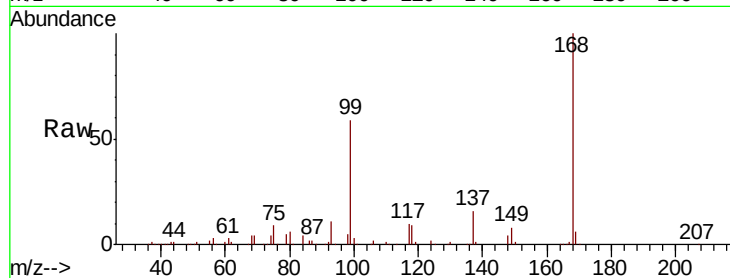
Tot Ion: 56 Resp: 4203

Ion Ratio Lower Upper

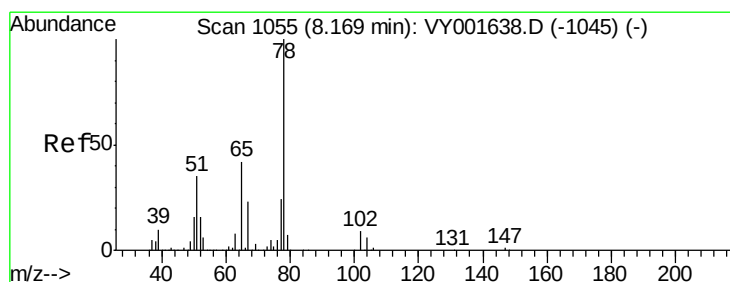
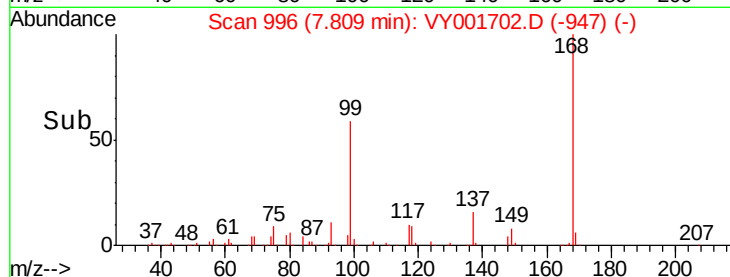
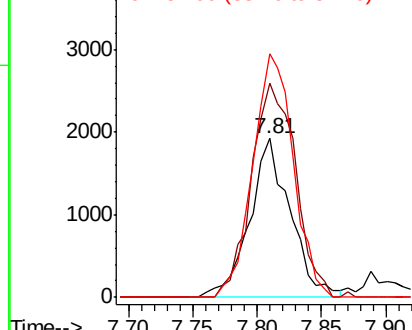
56 100

69 135.1 25.1 37.7#

84 153.5 66.9 100.3#



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: 56.346 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001702.D

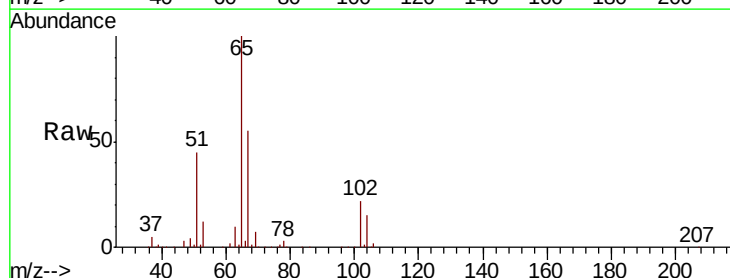
Acq: 19 Feb 2020 16:30

Tgt Ion: 65 Resp: 94750

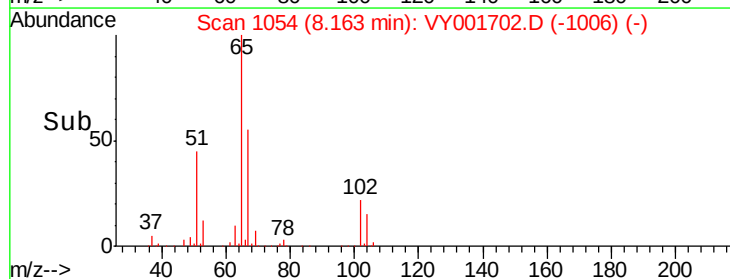
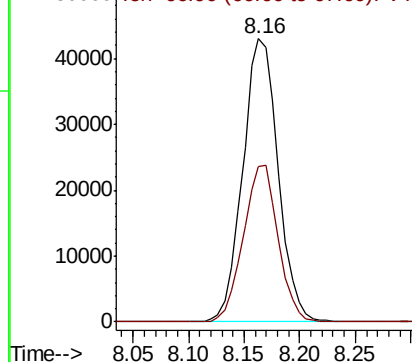
Ion Ratio Lower Upper

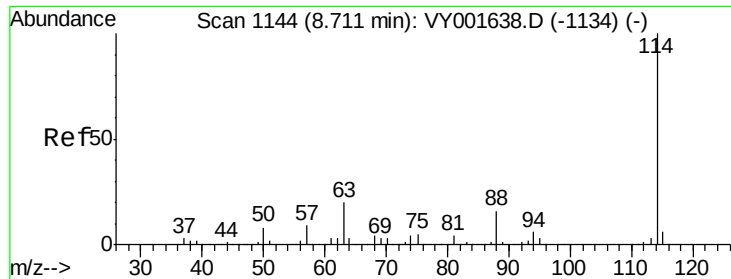
65 100

67 54.5 0.0 111.0



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

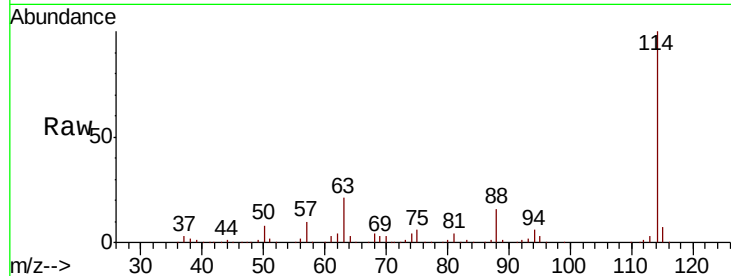




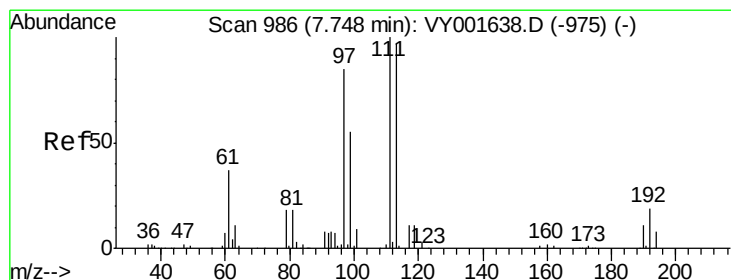
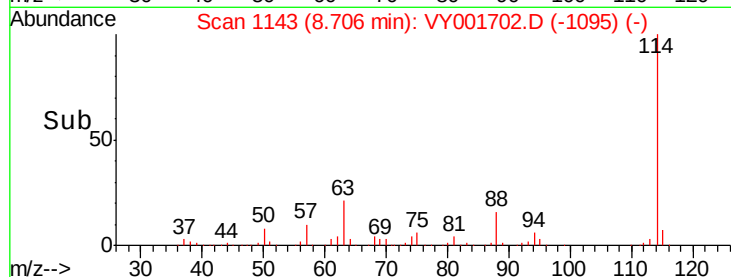
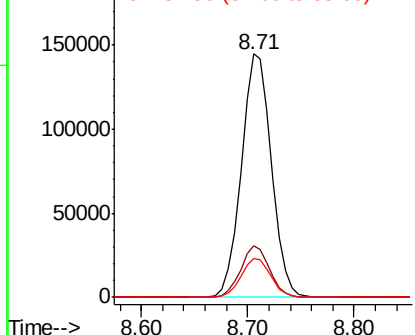
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.71 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VY001702.D
Acq: 19 Feb 2020 16:30

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.4
88	16.0	0.0	32.8

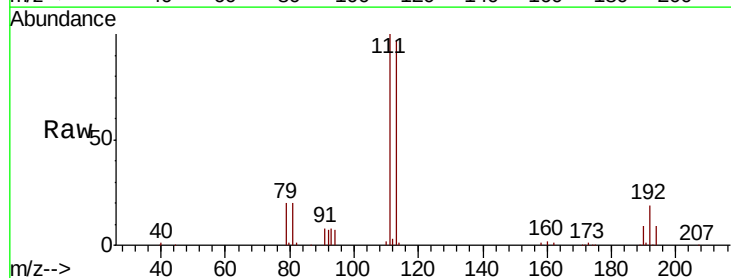


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

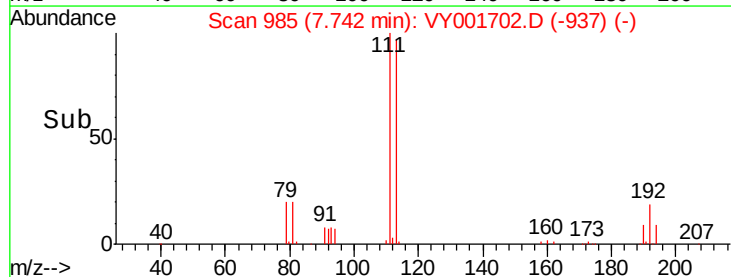
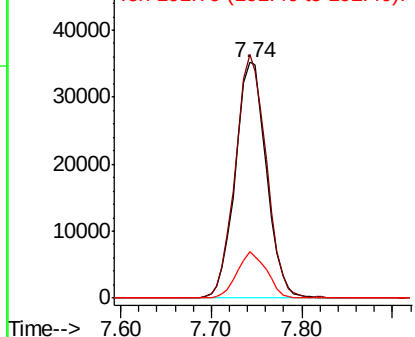


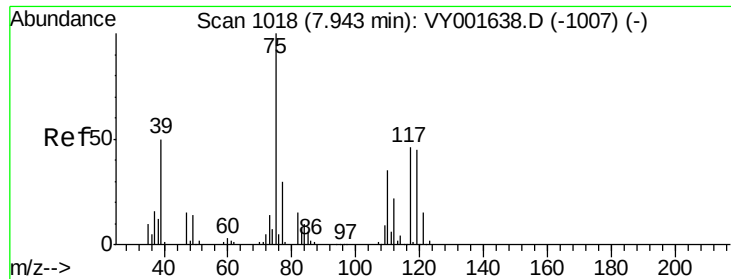
#35
Dibromofluoromethane
Concen: 51.187 ug/l
RT: 7.74 min Scan# 985
Delta R.T. -0.01 min
Lab File: VY001702.D
Acq: 19 Feb 2020 16:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.9	122.9
192	18.7	14.3	21.5



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

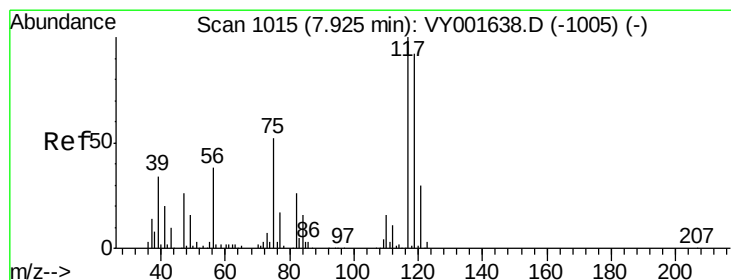
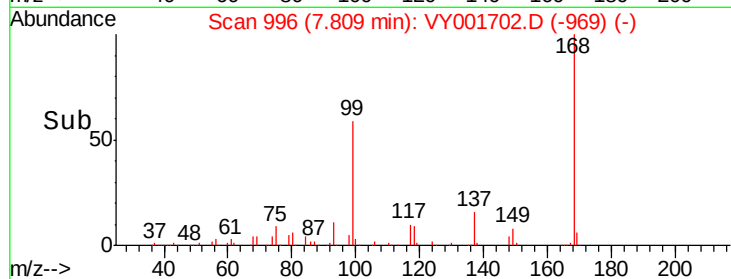
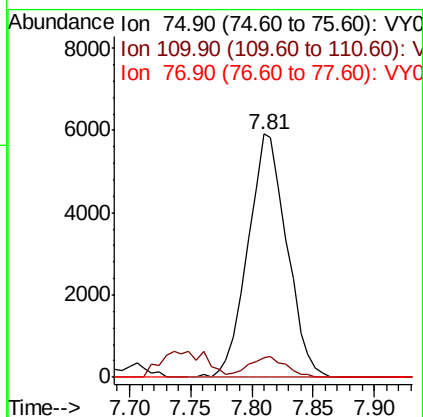
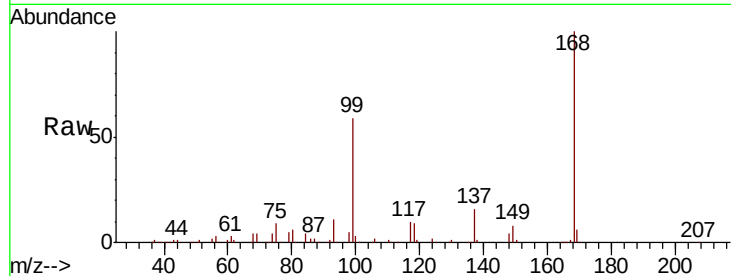




#36
 1,1-Dichloropropene
 Concen: 4.788 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001702.D
 Acq: 19 Feb 2020 16:30

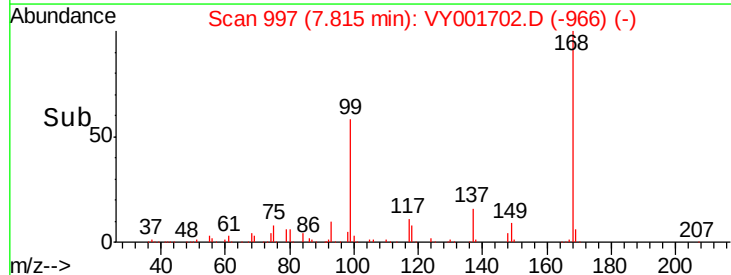
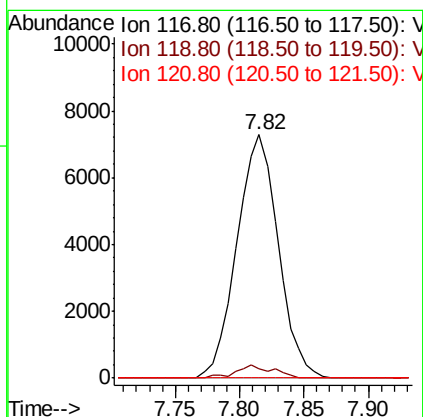
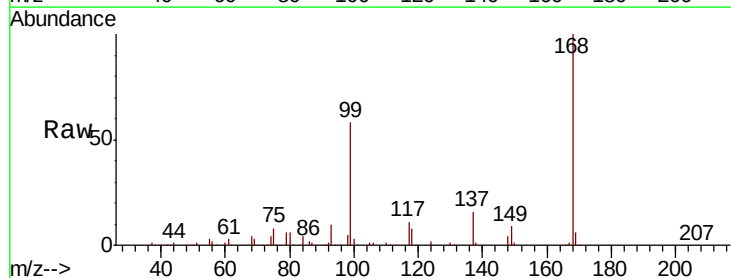
Instrument :
 MSVOA_Y
 ClientSampleId :

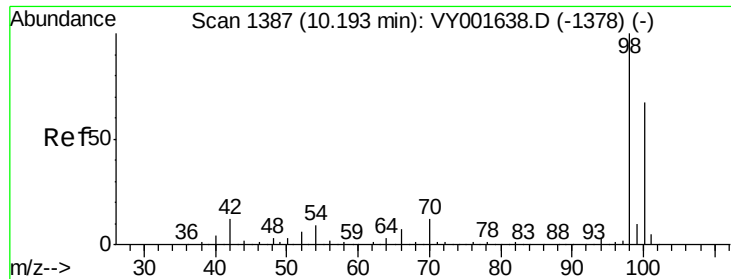
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.2	51.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.763 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001702.D
 Acq: 19 Feb 2020 16:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	74.8	112.2#
121	0.0	23.8	35.6#





#50

Toluene-d8

Concen: 53.764 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001702.D

Acq: 19 Feb 2020 16:30

Instrument :

MSVOA_Y

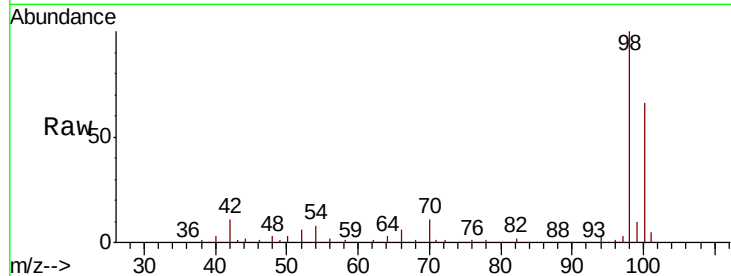
ClientSampleId :

Tot Ion: 98 Resp: 344761

Ion Ratio Lower Upper

98 100

100 65.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001638.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001702.D (-1338) (-)

10.19

200000

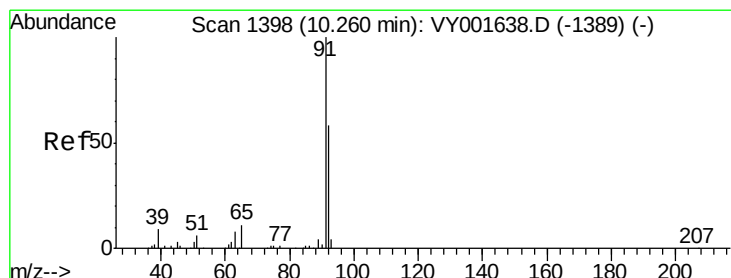
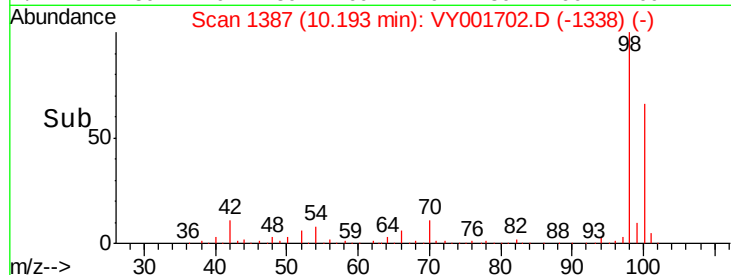
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 4.402 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001702.D

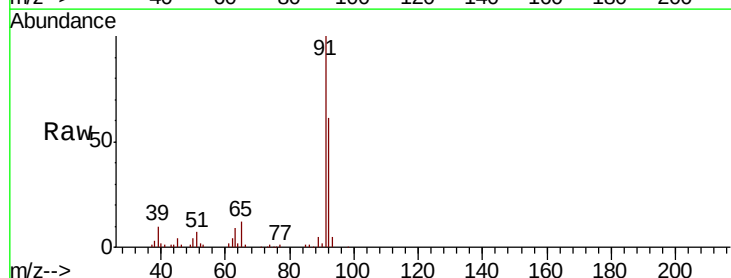
Acq: 19 Feb 2020 16:30

Tgt Ion: 92 Resp: 22045

Ion Ratio Lower Upper

92 100

91 172.1 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VY001638.D (-1389) (-)

Ion 91.00 (90.70 to 91.70): VY001702.D (-1349) (-)

10.25

25000

20000

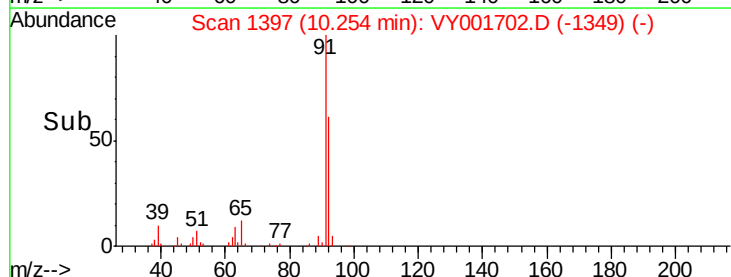
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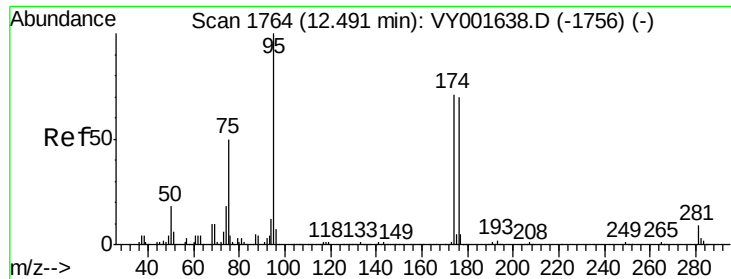
10000

5000

0

Time-->

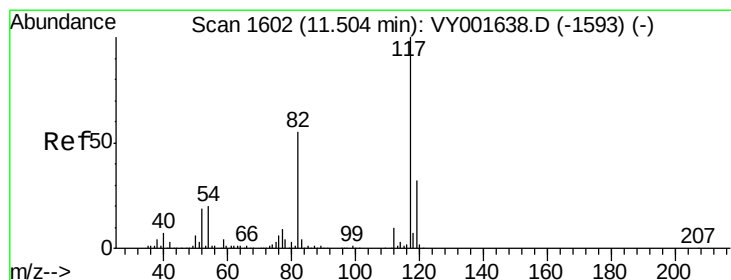
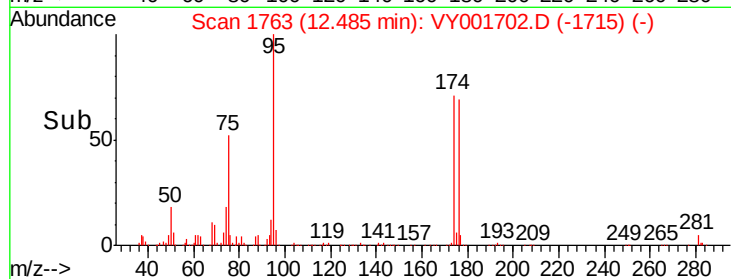
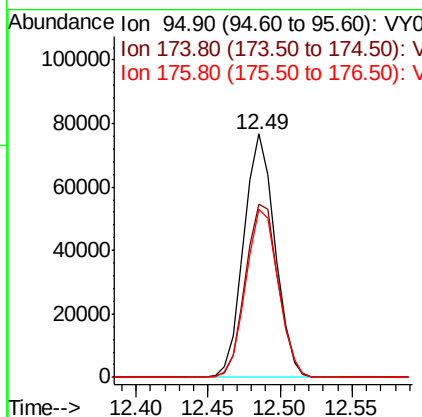
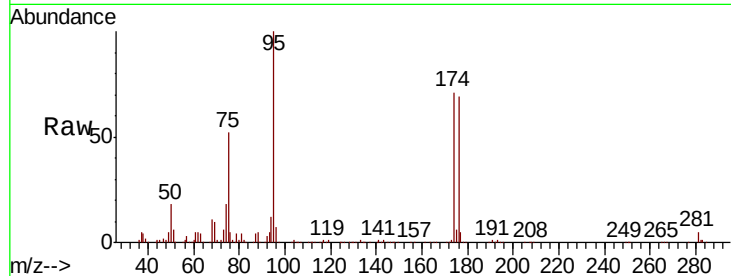




#62
4-Bromofluorobenzene
Concen: 46.196 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY001702.D
Acq: 19 Feb 2020 16:30

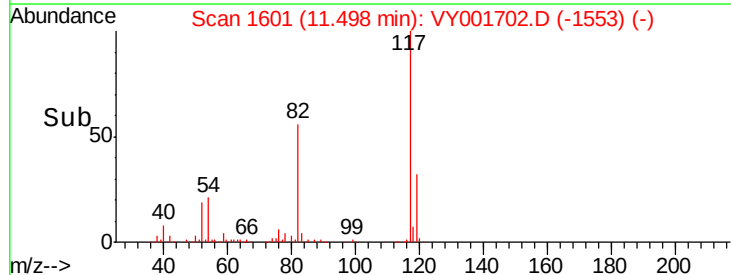
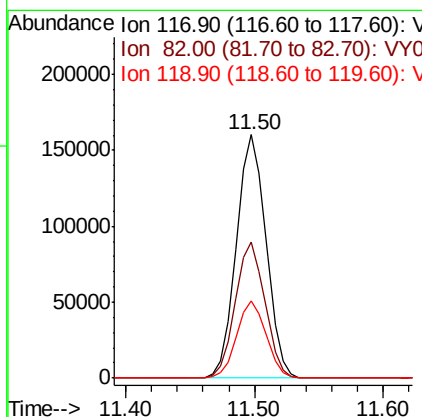
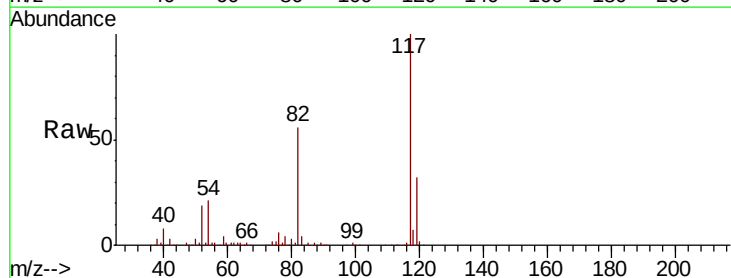
Instrument :
MSVOA_Y
ClientSampled :

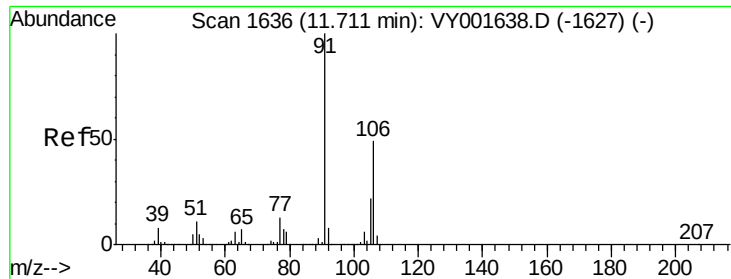
Tot Ion	95	Resp	115085
Ion Ratio	100		
Lower			
Upper			
174	74.5	0.0	138.4
176	71.7	0.0	131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001702.D
Acq: 19 Feb 2020 16:30

Tgt Ion	117	Resp	255512
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td></td> <td></td> <td></td>			
Upper <td></td> <td></td> <td></td>			
82	56.1	45.5	68.3
119	31.5	25.8	38.6

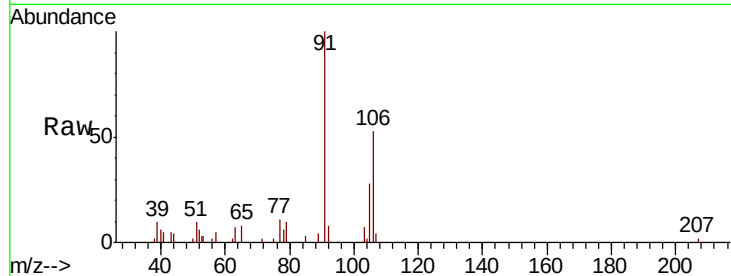




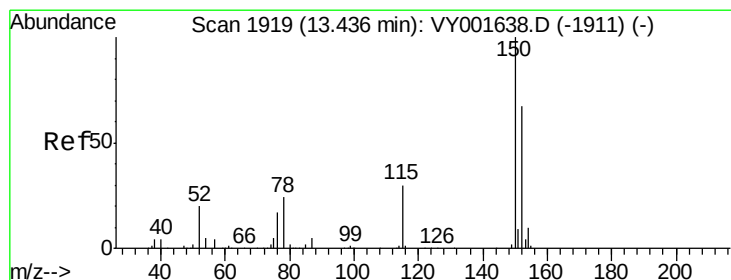
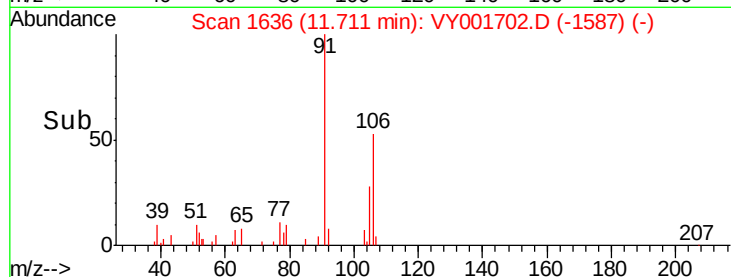
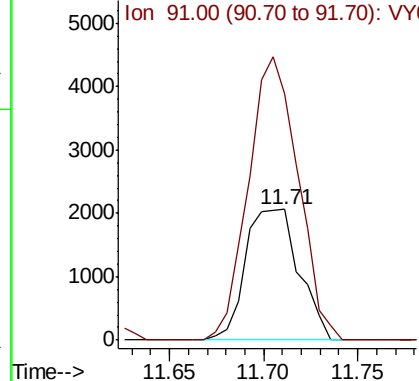
#68
m/p-Xvlenes
Concen: 1.151 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001702.D
Acq: 19 Feb 2020 16:30

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:106 Resp: 4070
Ion Ratio Lower Upper
106 100
91 200.9 163.3 244.9

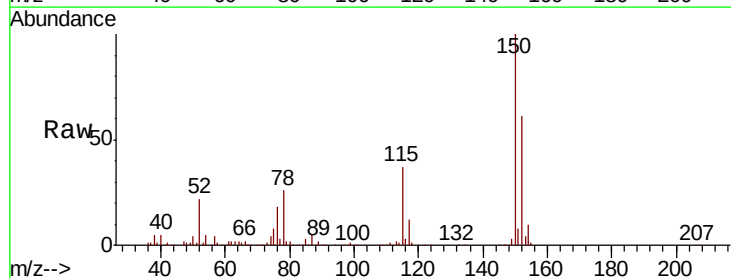


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

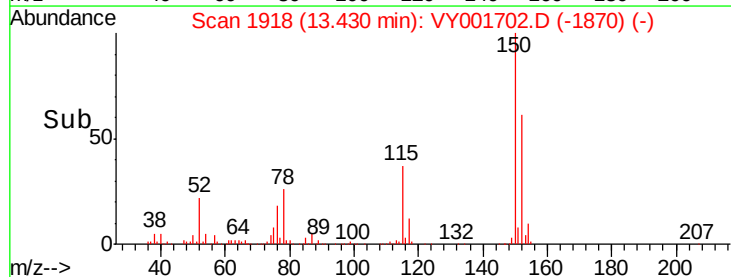
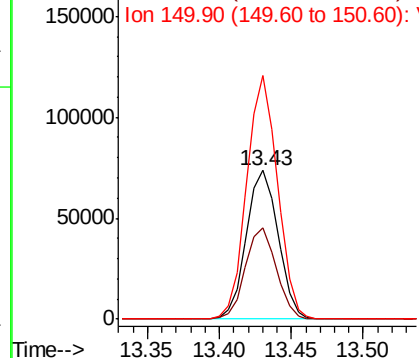


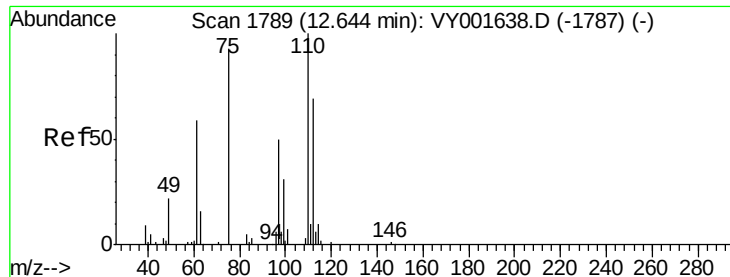
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001702.D
Acq: 19 Feb 2020 16:30

Tgt Ion:152 Resp: 112601
Ion Ratio Lower Upper
152 100
115 59.5 31.4 94.2
150 158.6 0.0 407.2



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: 46.480 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001702.D

Acq: 19 Feb 2020 16:30

Instrument :

MSVOA_Y

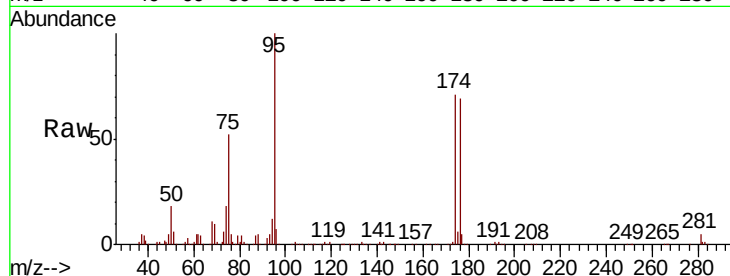
ClientSampleId :

Tot Ion: 75 Resp: 60037

Ion Ratio Lower Upper

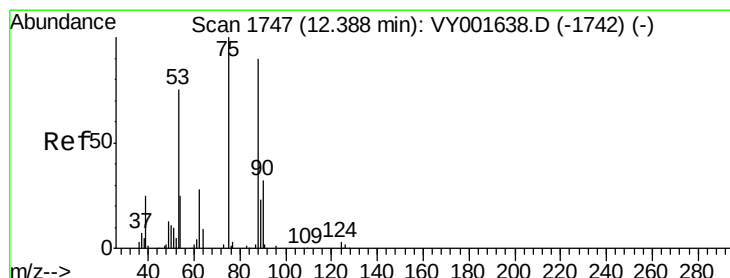
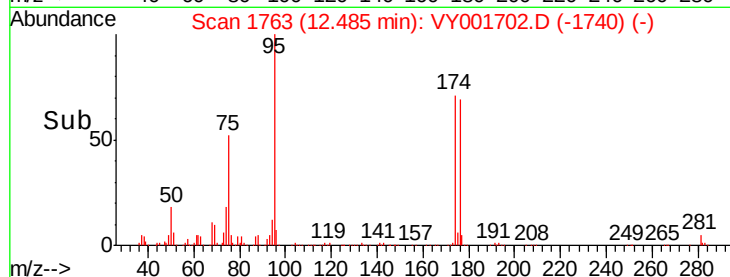
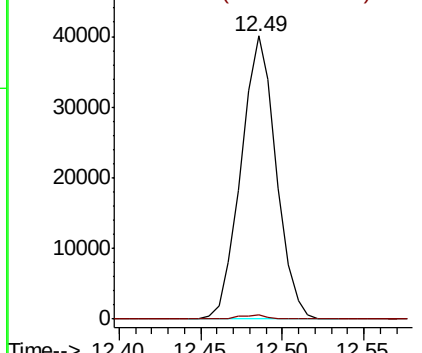
75 100

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: 88.180 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001702.D

Acq: 19 Feb 2020 16:30

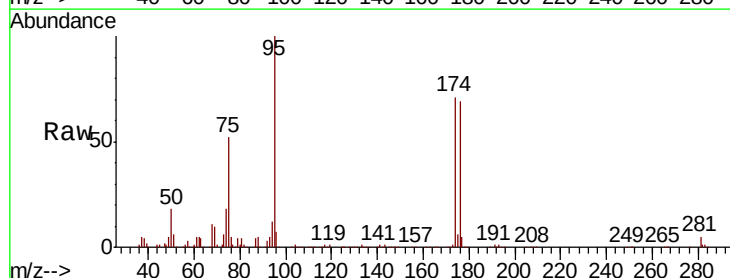
Tgt Ion: 75 Resp: 60037

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.2 36.3 54.5#



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

