

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
 Data File : VY001758.D
 Acq On : 21 Feb 2020 21:01
 Operator : SY/MD
 Sample : L1657-06
 Misc : 5.76G/5ML/MSVOA Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 22 03:45:49 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	7.83	168	159402	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	300482	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.51	117	270543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	119730	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	97861	57.08	ug/l	0.01
Spiked Amount 50.000			Recovery	=	114.16%	
35) Dibromofluoromethane	7.77	113	86765	50.41	ug/l	0.02
Spiked Amount 50.000			Recovery	=	100.82%	
50) Toluene-d8	10.21	98	362081	53.70	ug/l	0.01
Spiked Amount 50.000			Recovery	=	107.40%	
62) 4-Bromofluorobenzene	12.50	95	123793	47.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.52%	

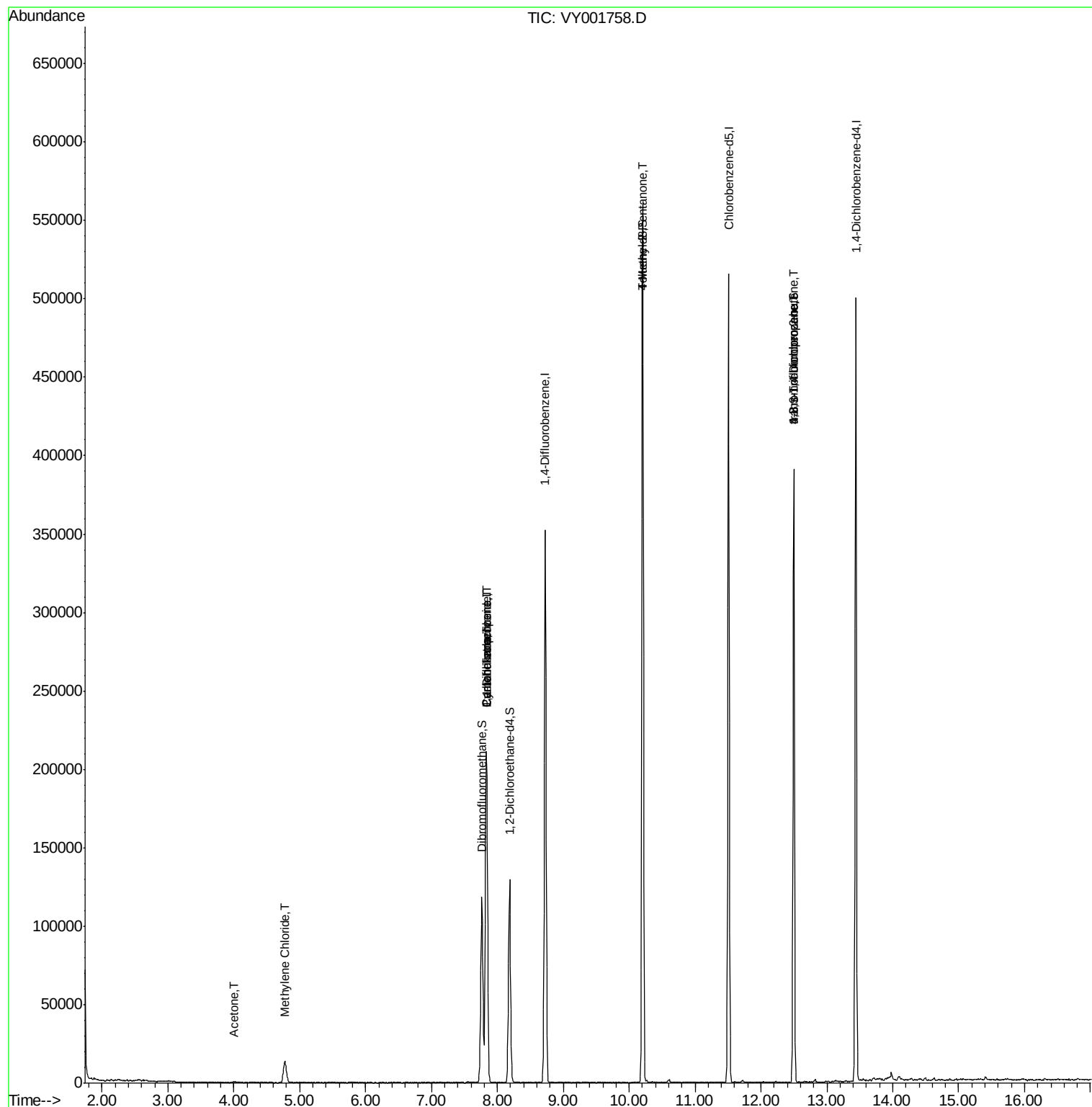
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.03	59	21	Below Cal	#	74
16) Acetone	4.01	43	1294	2.181	ug/l #	87
20) Methylene Chloride	4.77	84	10445	4.957	ug/l #	91
31) Cyclohexane	7.84	56	3872	1.075	ug/l #	1
36) 1,1-Dichloropropene	7.83	75	13945	4.859	ug/l #	48
38) Carbon Tetrachloride	7.83	117	16326	6.476	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	2000	1.198	ug/l #	1
76) 1,2,3-Trichloropropane	12.50	75	64330	46.838	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	64330	88.860	ug/l #	17

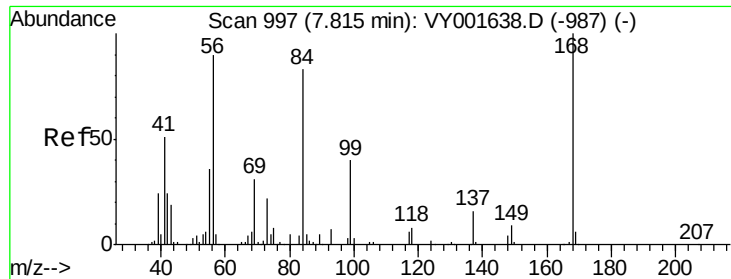
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.83 min Scan# 1000

Delta R.T. 0.02 min

Lab File: VY001758.D

Acq: 21 Feb 2020 21:01

Instrument :

MSVOA_Y

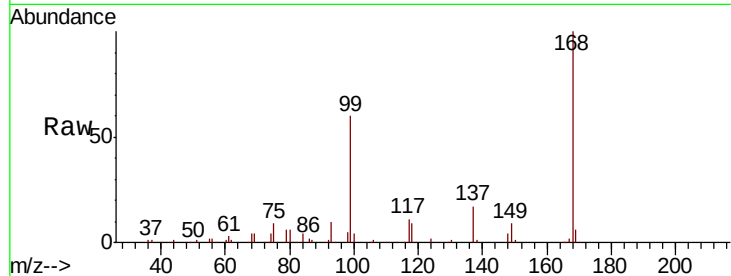
ClientSampleId :

Tot Ion:168 Resp: 159402

Ion Ratio Lower Upper

168 100

99 60.2 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001758.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001758.D (-948) (-)

7.83

80000

60000

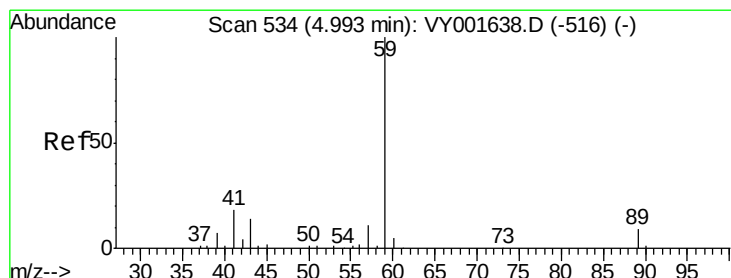
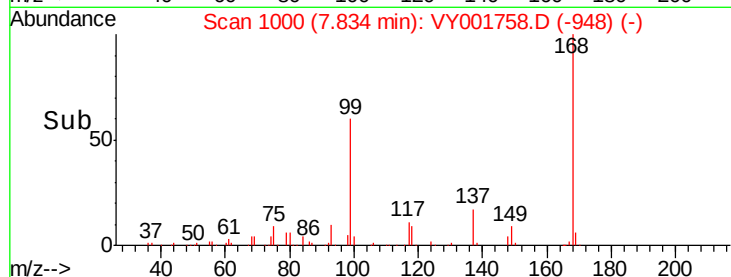
40000

20000

0

7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.03 min Scan# 540

Delta R.T. 0.04 min

Lab File: VY001758.D

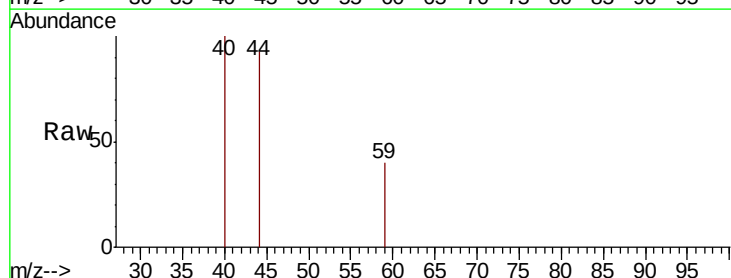
Acq: 21 Feb 2020 21:01

Tgt Ion: 59 Resp: 21

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001758.D (-485) (-)

Ion 57.00 (56.70 to 57.70): VY001758.D (-485) (-)

5.03

60

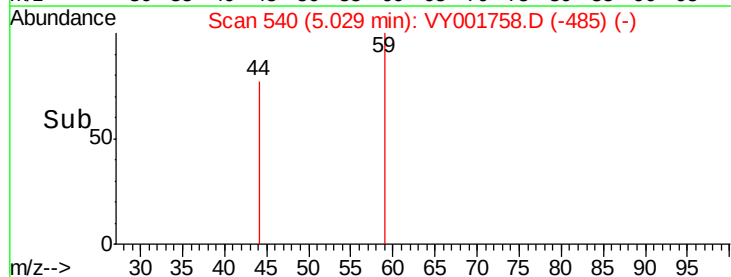
40

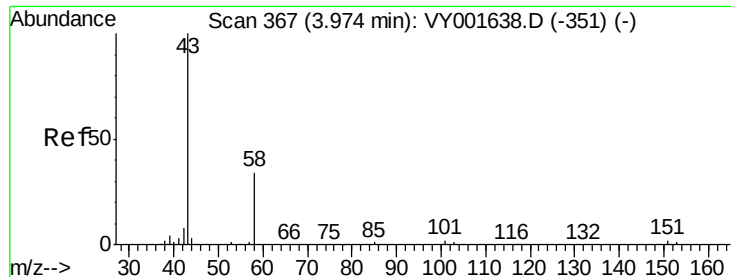
20

0

5.01 5.02 5.03 5.04 5.05

Time-->





#16

Acetone

Concen: 2.181 ug/l

RT: 4.01 min Scan# 372

Delta R.T. 0.03 min

Lab File: VY001758.D

Acq: 21 Feb 2020 21:01

Instrument :

MSVOA_Y

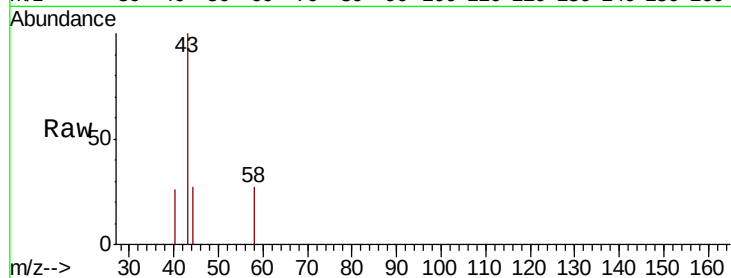
ClientSampled :

Tot Ion: 43 Resp: 1294

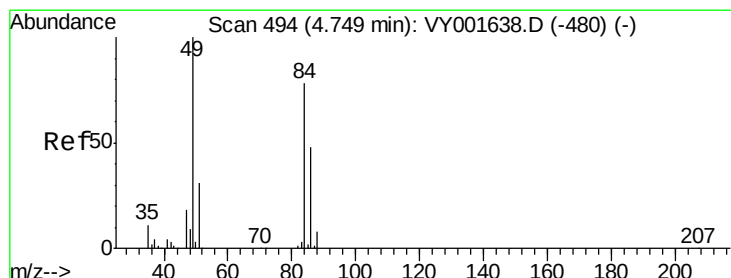
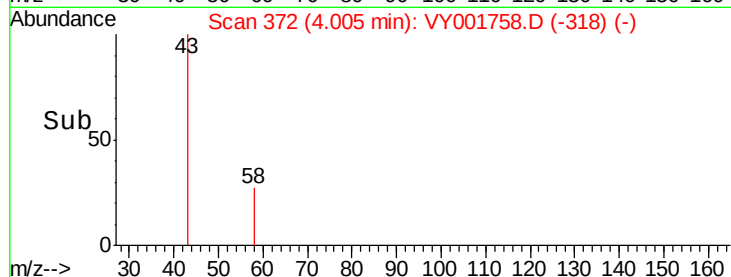
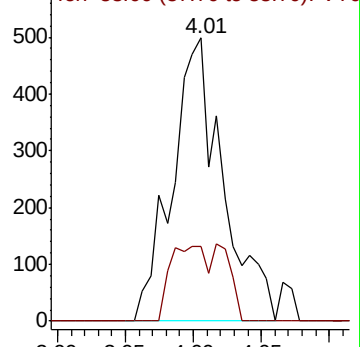
Ion Ratio Lower Upper

43 100

58 26.5 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY001638.D (-351) (-)



#20

Methylene Chloride

Concen: 4.957 ug/l

RT: 4.77 min Scan# 498

Delta R.T. 0.02 min

Lab File: VY001758.D

Acq: 21 Feb 2020 21:01

Tgt Ion: 84 Resp: 10445

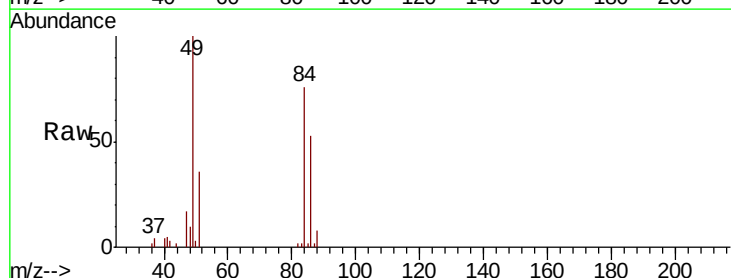
Ion Ratio Lower Upper

84 100

49 132.3 99.2 148.8

51 47.7 31.5 47.3#

86 69.9 51.0 76.6

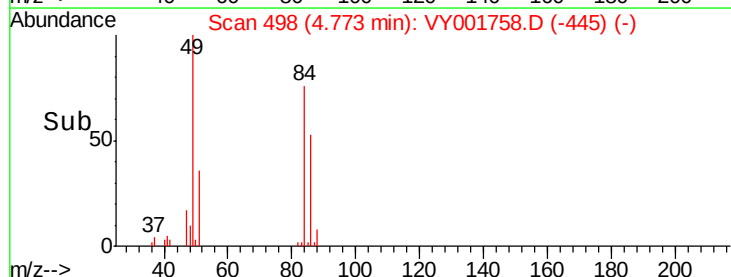
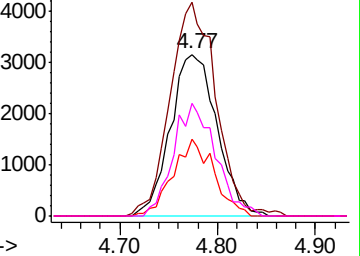


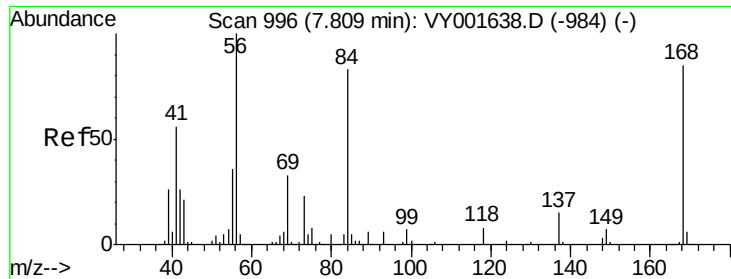
Abundance Ion 83.90 (83.60 to 84.60): VY001638.D (-480) (-)

Ion 48.90 (48.60 to 49.60): VY001638.D (-480) (-)

Ion 50.90 (50.60 to 51.60): VY001638.D (-480) (-)

Ion 85.90 (85.60 to 86.60): VY001638.D (-480) (-)

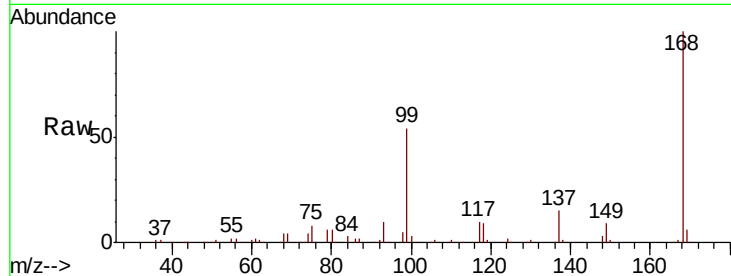




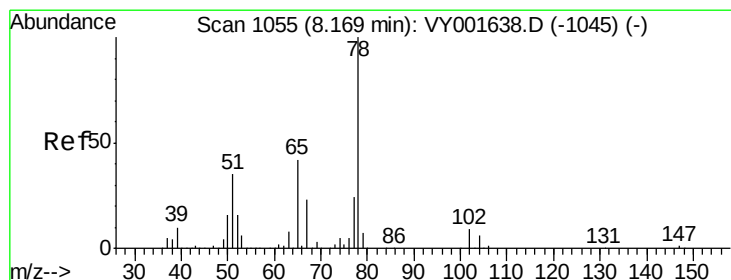
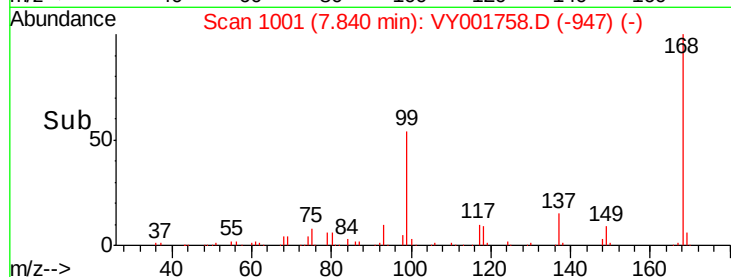
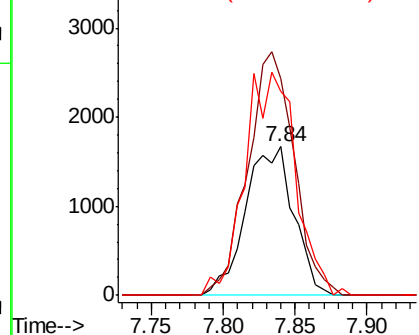
#31
Cyclohexane
Concen: 1.075 ug/l
RT: 7.84 min Scan# 1001
Delta R.T. 0.03 min
Lab File: VY001758.D
Acq: 21 Feb 2020 21:01

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 3872
Ion Ratio Lower Upper
56 100
69 145.7 25.1 37.7#
84 137.7 66.9 100.3#

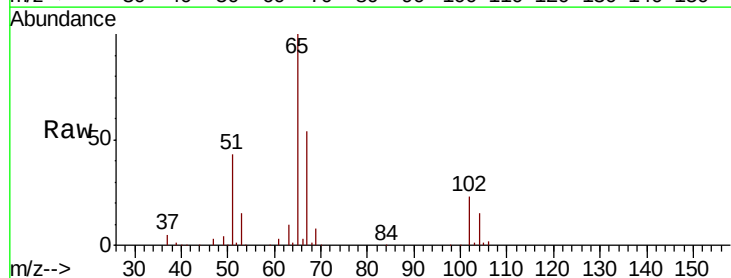


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

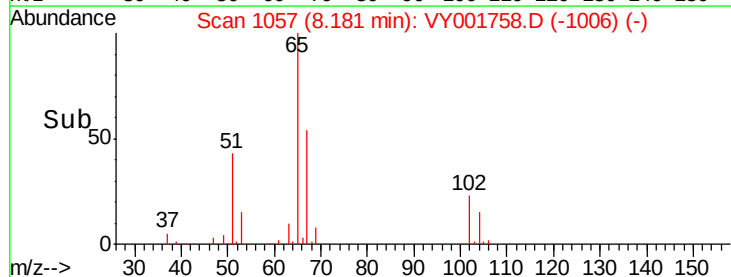
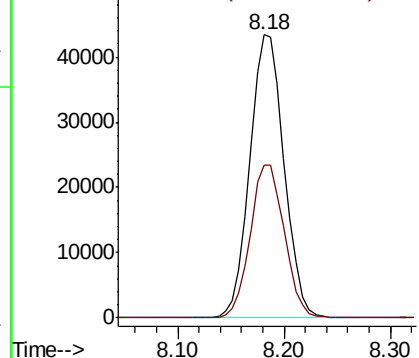


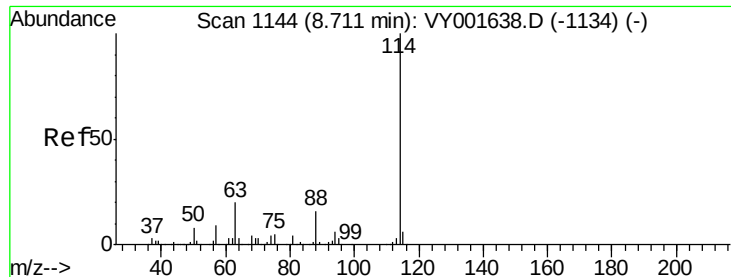
#33
1,2-Dichloroethane-d4
Concen: 57.075 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VY001758.D
Acq: 21 Feb 2020 21:01

Tgt Ion: 65 Resp: 97861
Ion Ratio Lower Upper
65 100
67 54.1 0.0 111.0



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

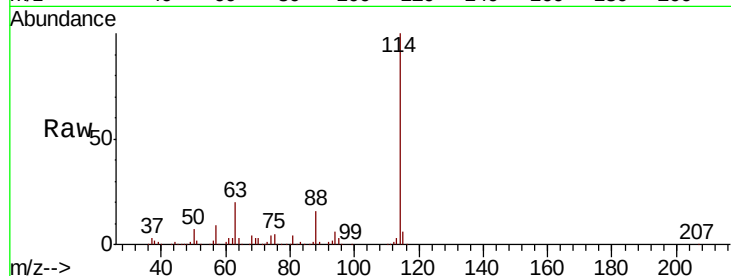




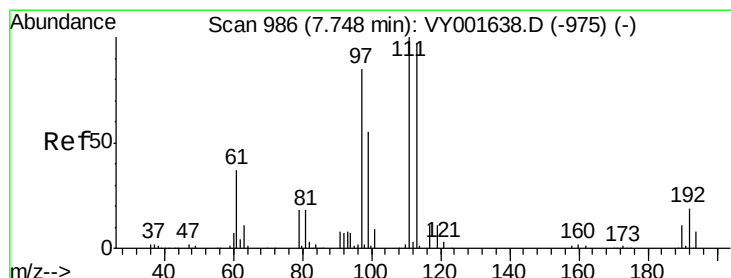
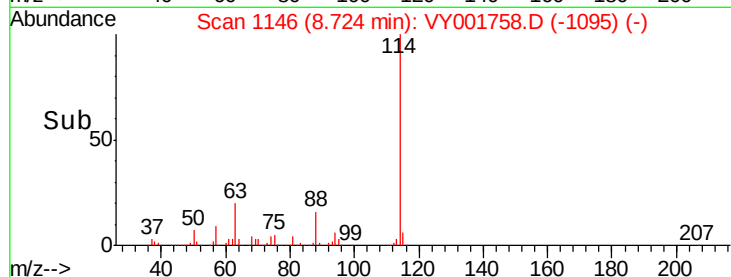
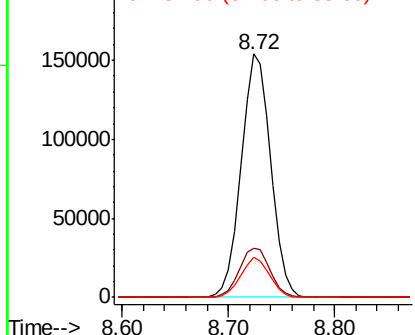
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.72 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VY001758.D
Acq: 21 Feb 2020 21:01

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:114 Resp: 300482
Ion Ratio Lower Upper
114 100
63 20.1 0.0 41.4
88 16.2 0.0 32.8

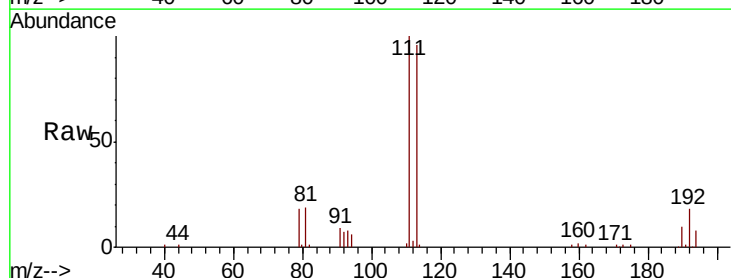


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

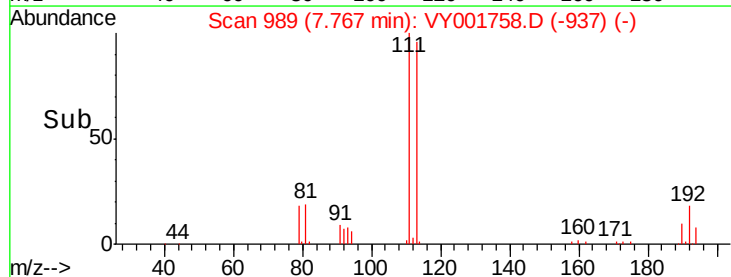
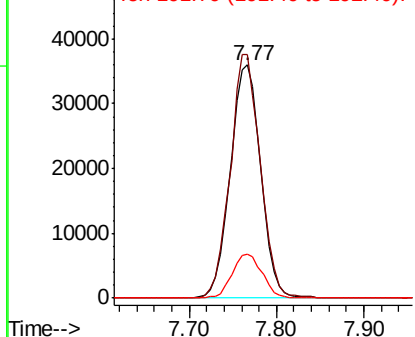


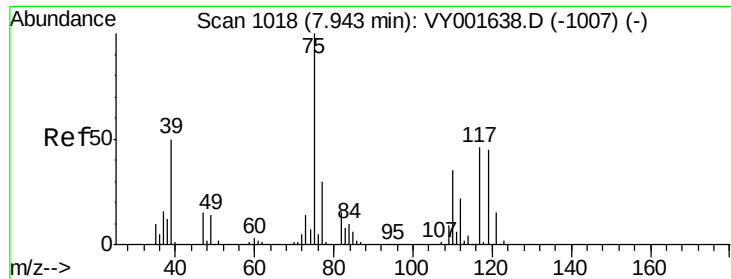
#35
Dibromofluoromethane
Concen: 50.415 ug/l
RT: 7.77 min Scan# 989
Delta R.T. 0.02 min
Lab File: VY001758.D
Acq: 21 Feb 2020 21:01

Tgt Ion:113 Resp: 86765
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 18.6 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

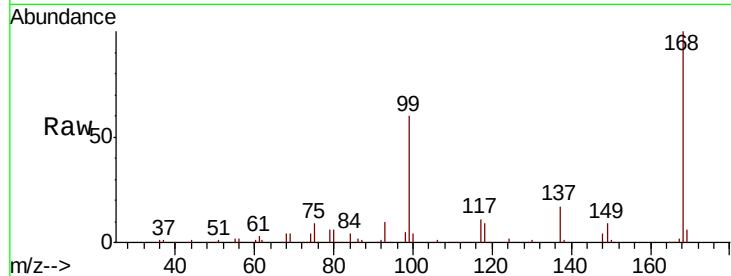




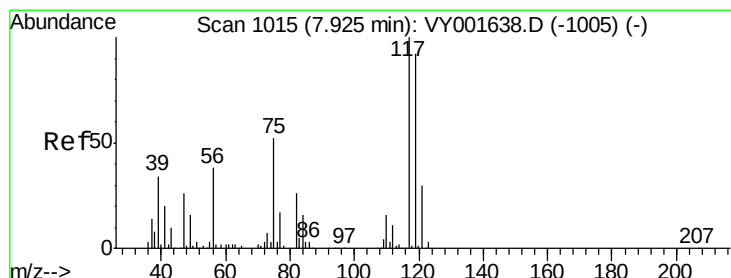
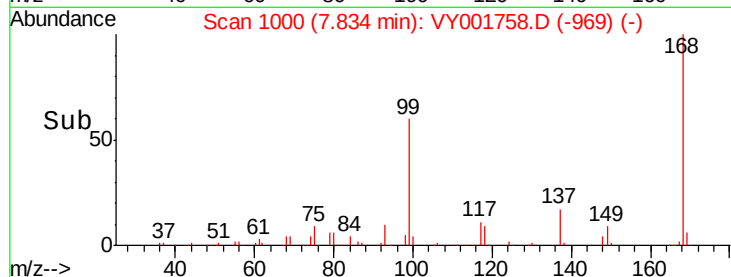
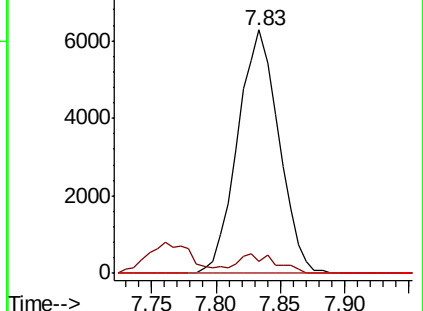
#36
 1,1-Dichloropropene
 Concen: 4.859 ug/l
 RT: 7.83 min Scan# 1000
 Delta R.T. -0.11 min
 Lab File: VY001758.D
 Acq: 21 Feb 2020 21:01

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.0	17.2	51.6#
77	0.0	24.8	37.2#

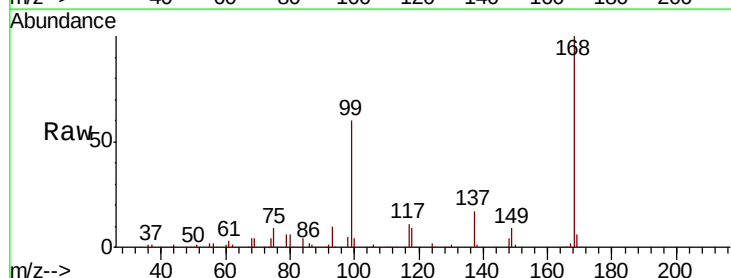


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

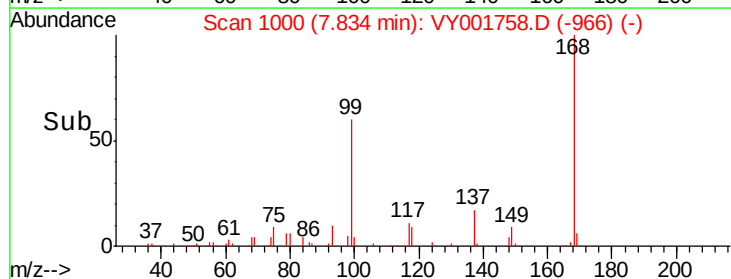
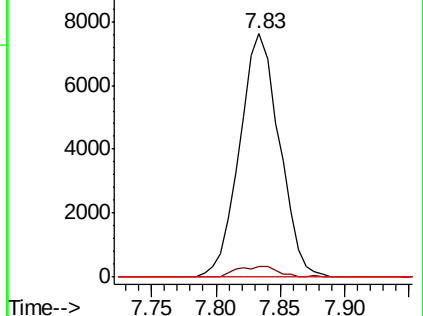


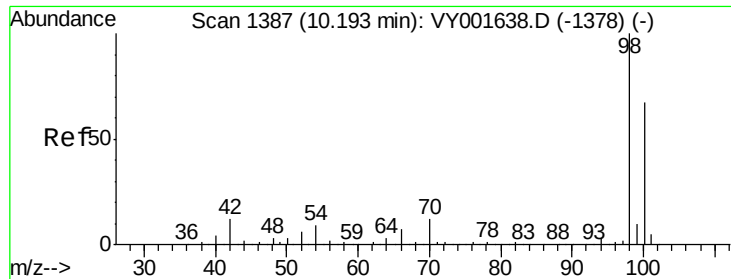
#38
 Carbon Tetrachloride
 Concen: 6.476 ug/l
 RT: 7.83 min Scan# 1000
 Delta R.T. -0.09 min
 Lab File: VY001758.D
 Acq: 21 Feb 2020 21:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	74.8	112.2#
121	0.0	23.8	35.6#



Abundance Ion 116.80 (116.50 to 117.50): VY0
 Ion 118.80 (118.50 to 119.50): VY0
 Ion 120.80 (120.50 to 121.50): VY0





#50

Toluene-d8

Concen: 53.702 ug/l

RT: 10.21 min Scan# 1389

Delta R.T. 0.01 min

Lab File: VY001758.D

Acq: 21 Feb 2020 21:01

Instrument :

MSVOA_Y

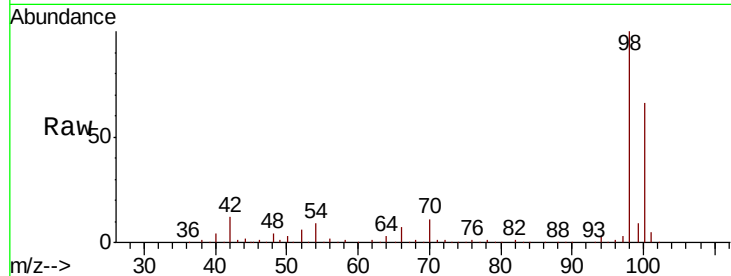
ClientSampleId :

Tot Ion: 98 Resp: 362081

Ion Ratio Lower Upper

98 100

100 65.8 53.0 79.4



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

Ion 100.00 (99.70 to 100.70): VY001638.D (-1378) (-)

10.21

250000

200000

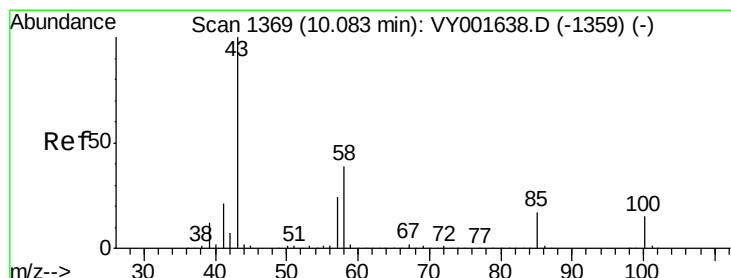
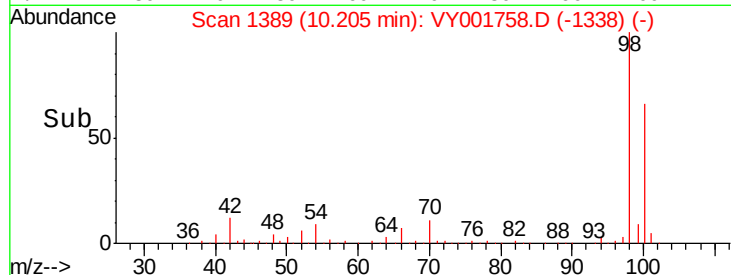
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.198 ug/l

RT: 10.21 min Scan# 1389

Delta R.T. 0.12 min

Lab File: VY001758.D

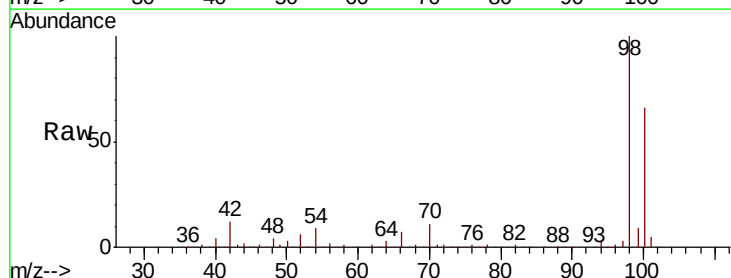
Acq: 21 Feb 2020 21:01

Tgt Ion: 43 Resp: 2000

Ion Ratio Lower Upper

43 100

58 168.9 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VY001638.D (-1359) (-)

Ion 58.00 (57.70 to 58.70): VY001638.D (-1359) (-)

2000

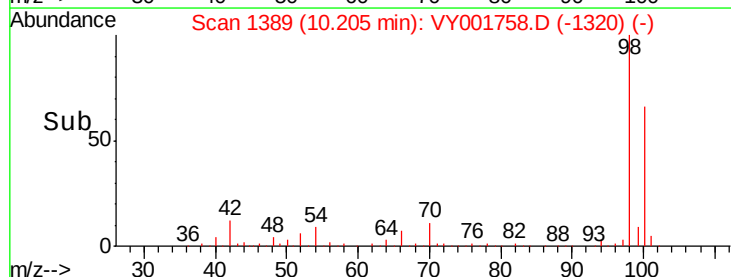
1500

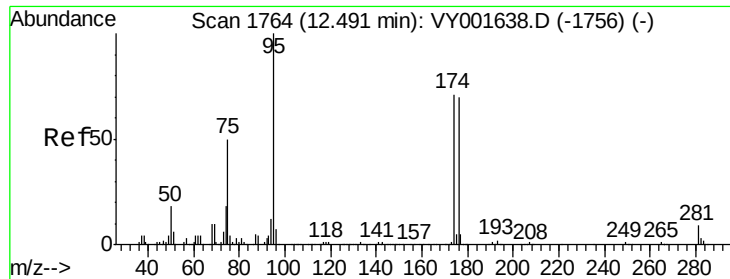
1000

500

0

Time-->

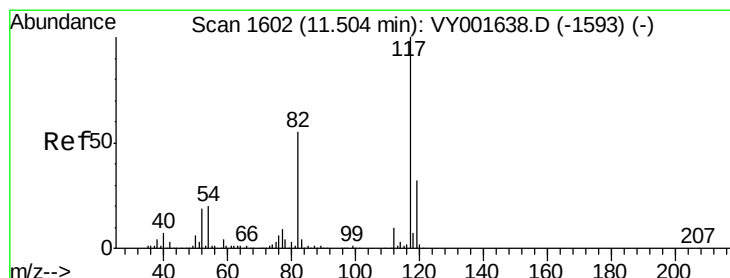
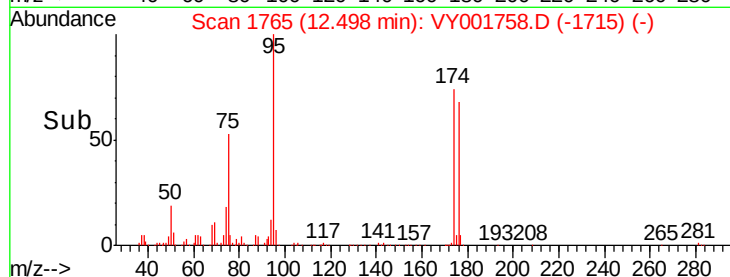
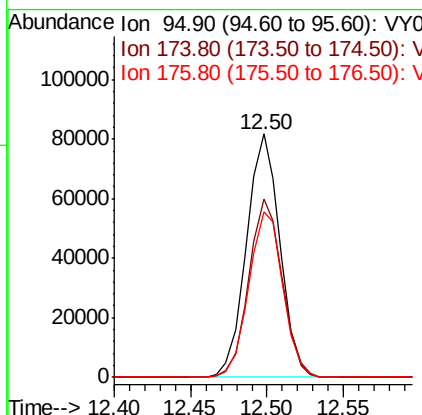
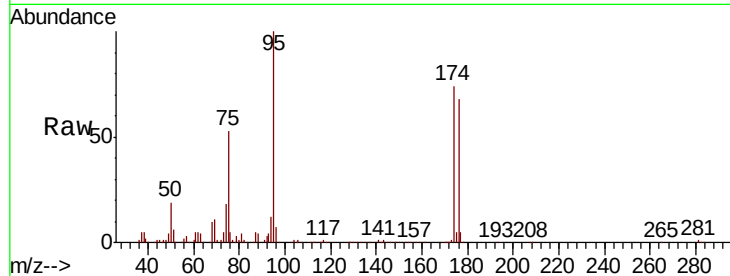




#62
4-Bromofluorobenzene
Concen: 47.260 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY001758.D
Acq: 21 Feb 2020 21:01

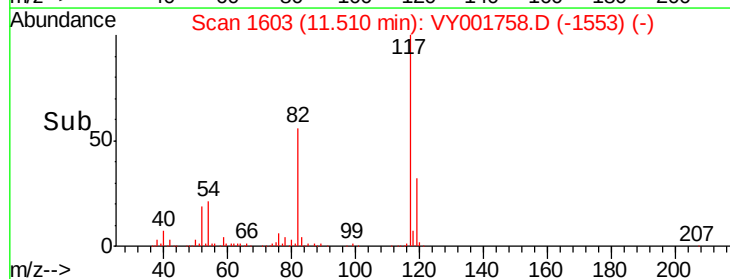
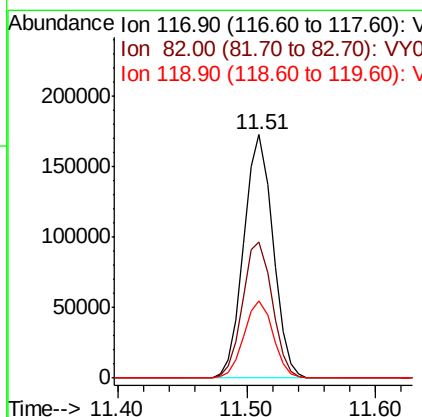
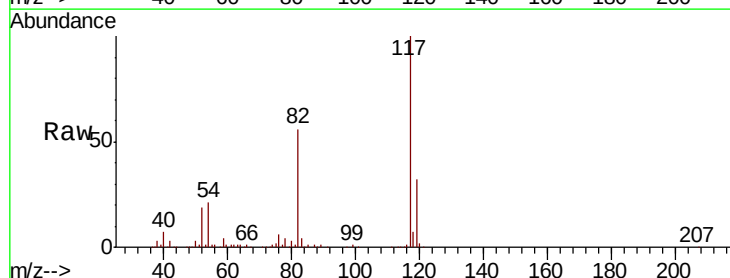
Instrument :
MSVOA_Y
ClientSampled :

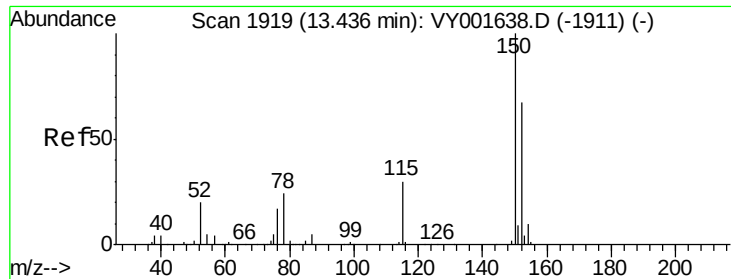
Tot Ion	95	Resp	123793
Ion Ratio	Lower	Upper	
95	100		
174	73.3	0.0	138.4
176	69.5	0.0	131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY001758.D
Acq: 21 Feb 2020 21:01

Tgt Ion	117	Resp	270543
Ion Ratio	Lower	Upper	
117	100		
82	55.9	45.5	68.3
119	31.7	25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.01 min

Lab File: VY001758.D

Acq: 21 Feb 2020 21:01

Instrument :

MSVOA_Y

ClientSampleId :

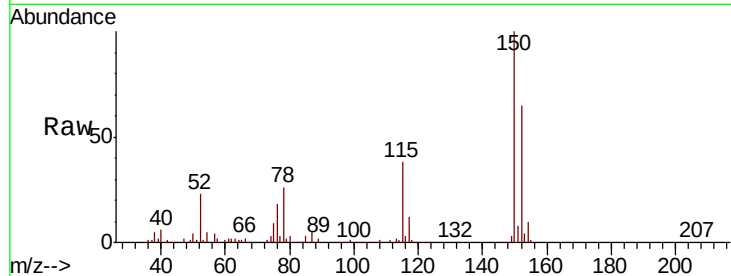
Tot Ion:152 Resp: 119730

Ion Ratio Lower Upper

152 100

115 61.7 31.4 94.2

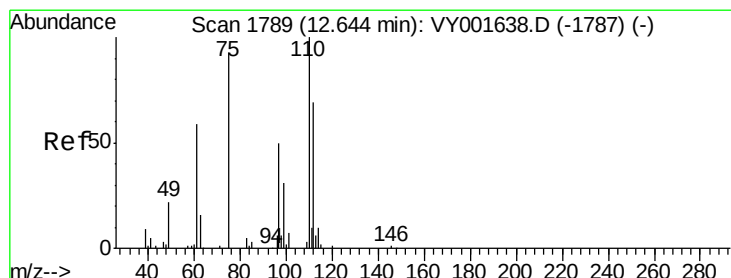
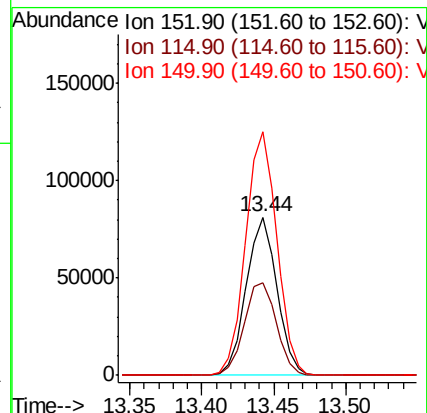
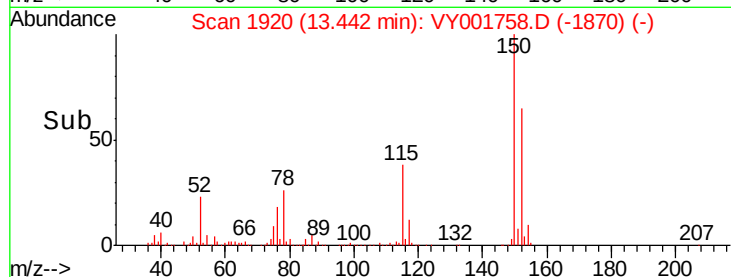
150 156.6 0.0 407.2



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: 46.838 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VY001758.D

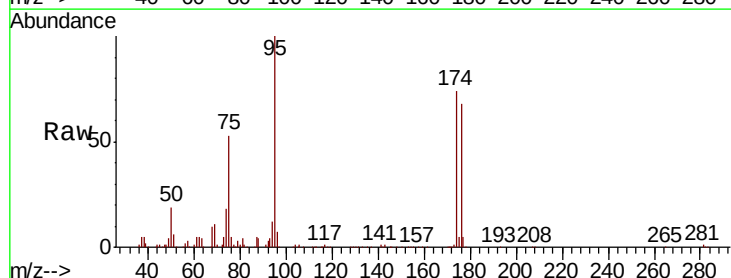
Acq: 21 Feb 2020 21:01

Tgt Ion: 75 Resp: 64330

Ion Ratio Lower Upper

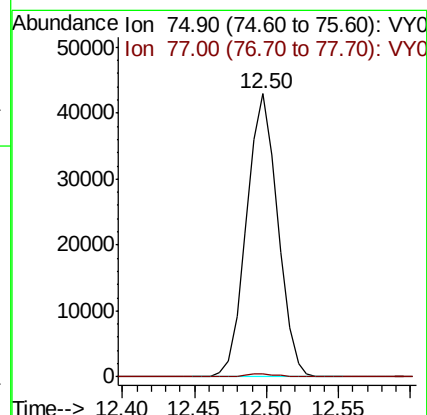
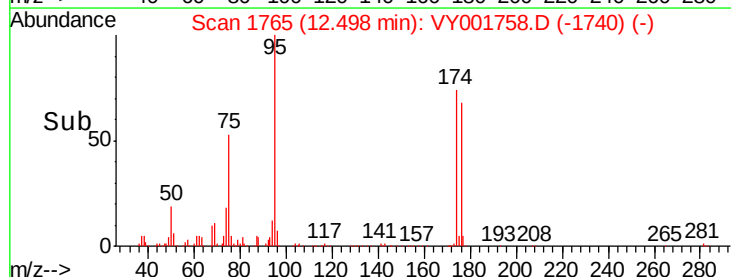
75 100

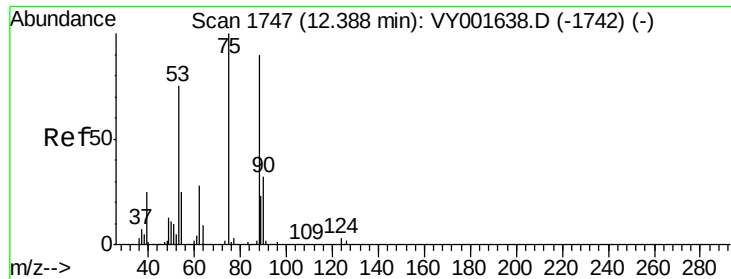
77 1.1 0.0 0.0#



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: 88.860 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY001758.D

Acq: 21 Feb 2020 21:01

Instrument :

MSVOA_Y

ClientSampleId :

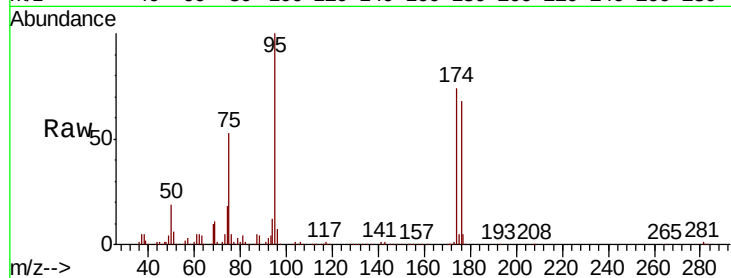
Tot Ion: 75 Resp: 64330

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 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

