

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
 Data File : VY001733.D
 Acq On : 21 Feb 2020 11:30
 Operator : SY/MD
 Sample : VY0221SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 22 03:40:57 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	176545	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	327112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	290476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	125066	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	100117	52.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.44%	
35) Dibromofluoromethane	7.75	113	95826	51.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.30%	
50) Toluene-d8	10.20	98	399280	54.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.80%	
62) 4-Bromofluorobenzene	12.49	95	133241	46.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.46%	

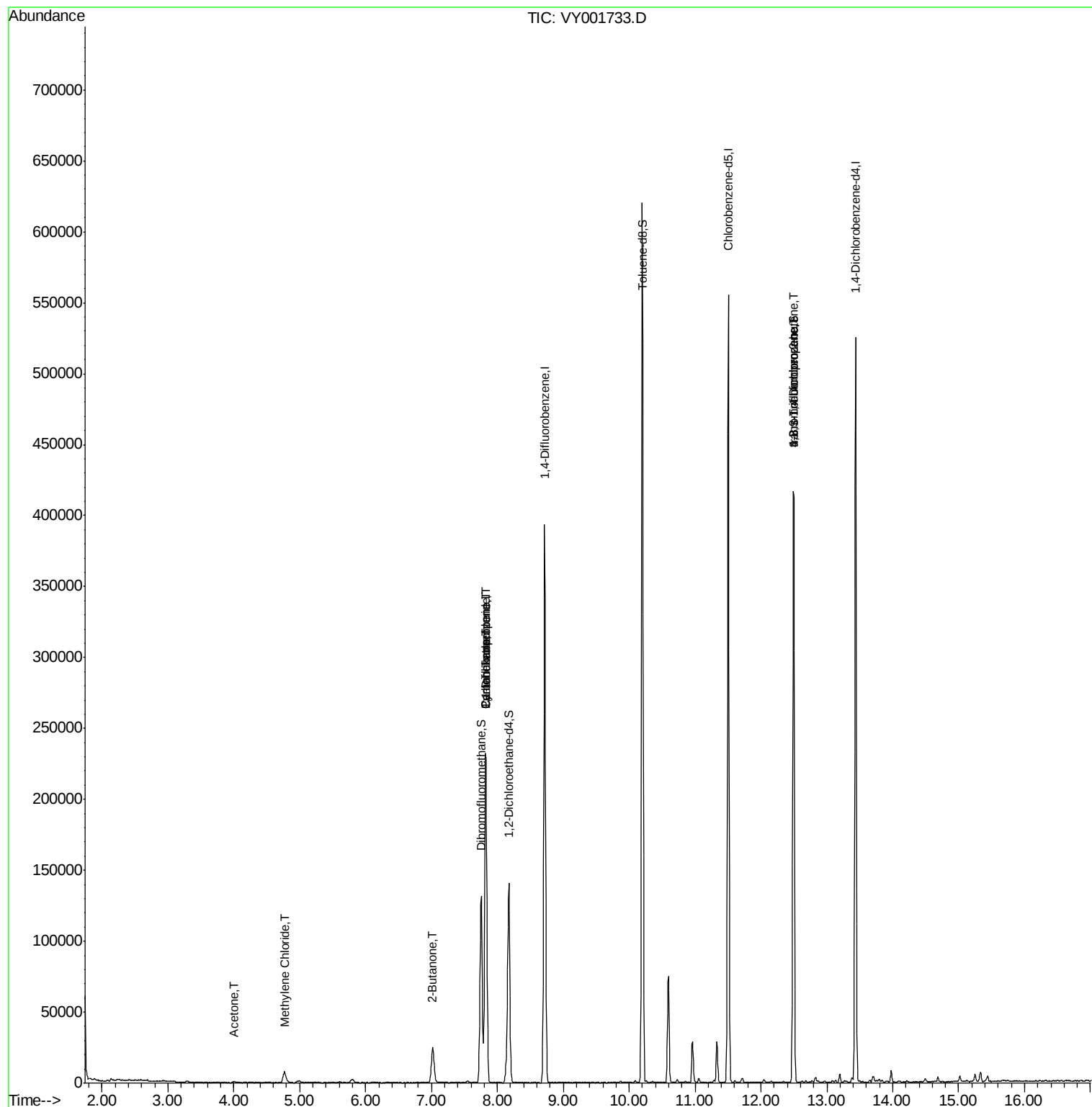
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	1784	Below Cal	#	74
16) Acetone	4.01	43	1342	2.042	ug/l #	85
20) Methylene Chloride	4.77	84	5583	2.392	ug/l	93
25) 2-Butanone	7.02	43	1725	1.933	ug/l #	66
31) Cyclohexane	7.82	56	4017	1.007	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	14981	4.795	ug/l #	51
38) Carbon Tetrachloride	7.82	117	17515	6.382	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	67883	47.316	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	67883	89.767	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
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY001733.D

Acq: 21 Feb 2020 11:30

Instrument :

MSVOA_Y

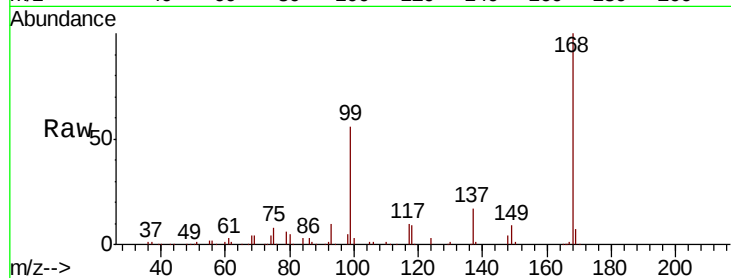
ClientSampleId :

Tot Ion:168 Resp: 176545

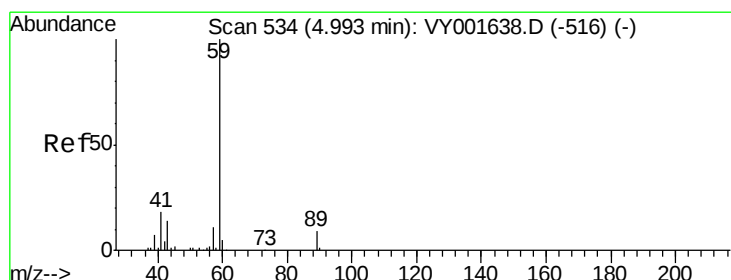
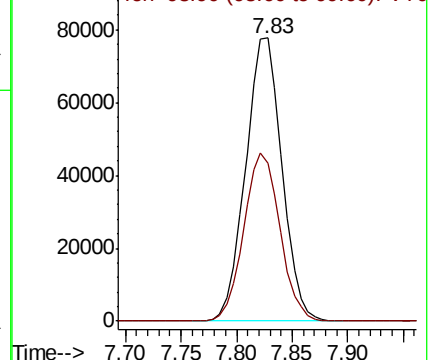
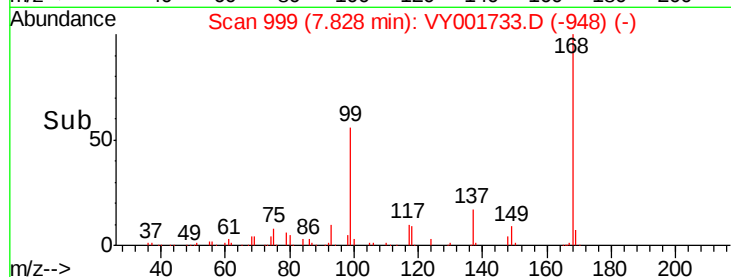
Ion Ratio Lower Upper

168 100

99 55.7 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001733.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. 0.00 min

Lab File: VY001733.D

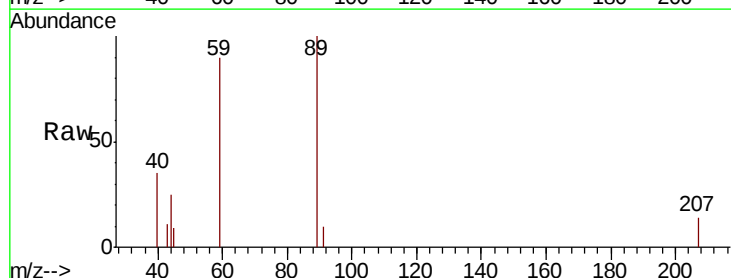
Acq: 21 Feb 2020 11:30

Tgt Ion: 59 Resp: 1784

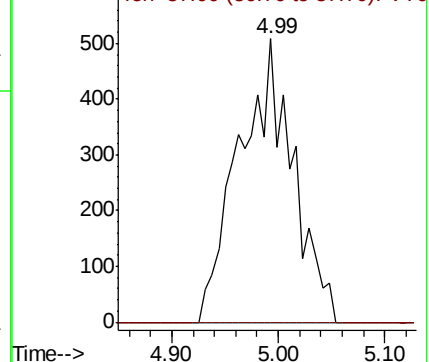
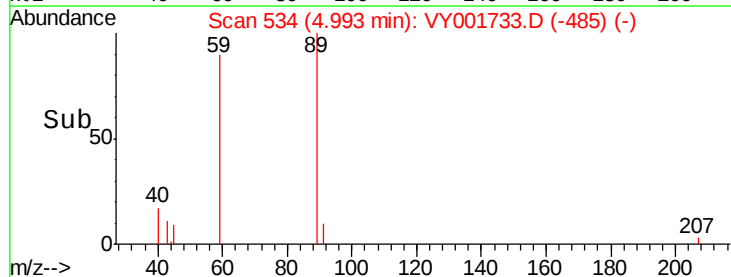
Ion Ratio Lower Upper

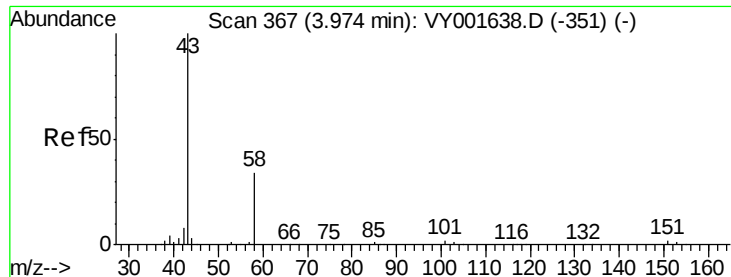
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001733.D (-485) (-)





#16

Acetone

Concen: 2.042 ug/l

RT: 4.01 min Scan# 372

Delta R.T. 0.03 min

Lab File: VY001733.D

Acq: 21 Feb 2020 11:30

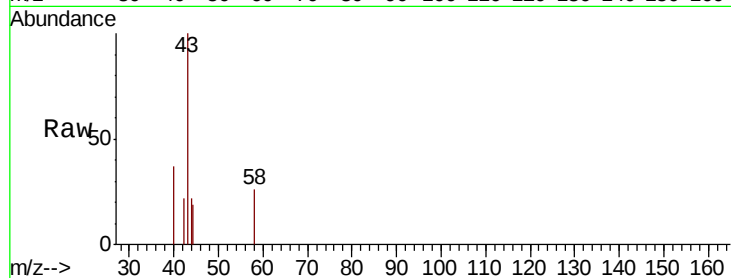
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 1342

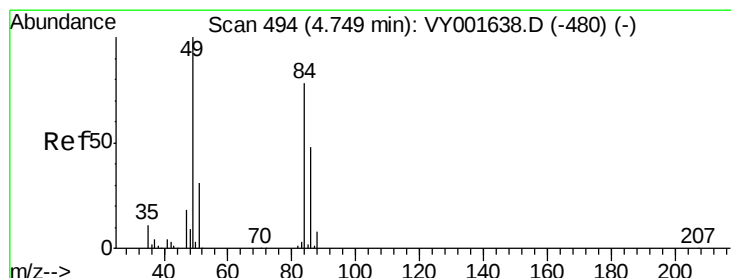
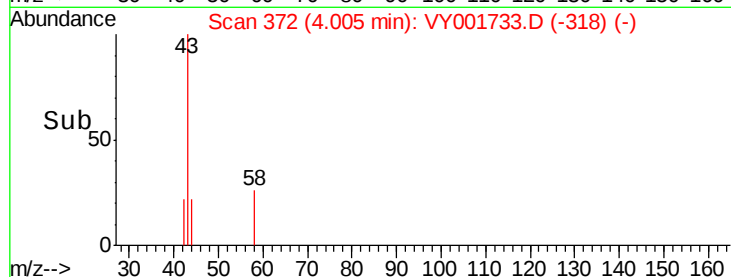
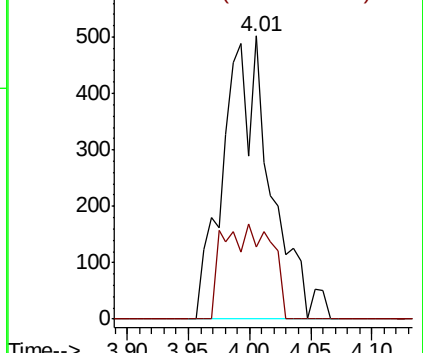
Ion Ratio Lower Upper

43 100

58 25.7 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY001733.D (-372) (-)



#20

Methylene Chloride

Concen: 2.392 ug/l

RT: 4.77 min Scan# 498

Delta R.T. 0.02 min

Lab File: VY001733.D

Acq: 21 Feb 2020 11:30

Tgt Ion: 84 Resp: 5583

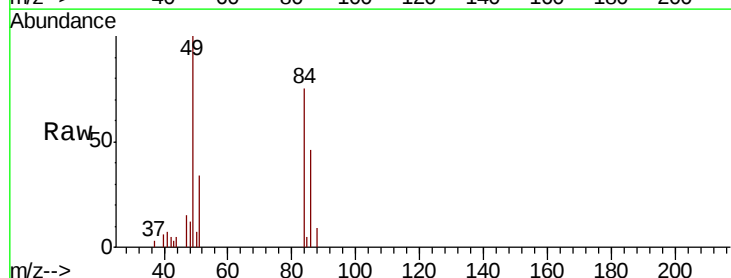
Ion Ratio Lower Upper

84 100

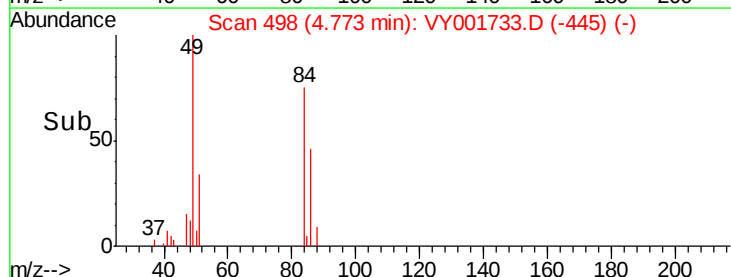
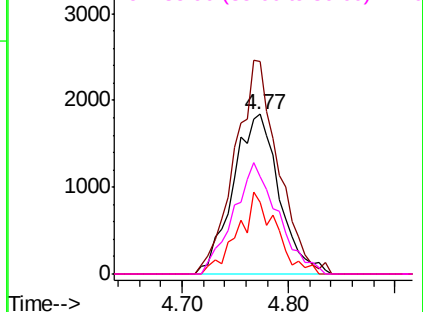
49 132.8 99.2 148.8

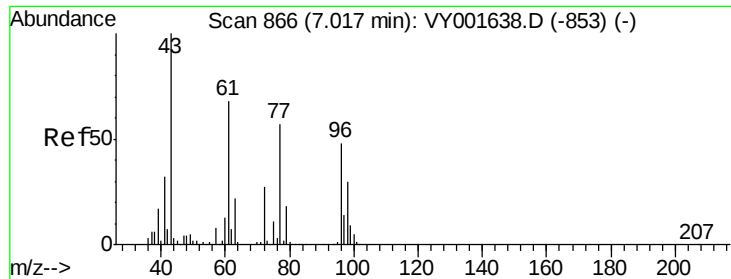
51 44.6 31.5 47.3

86 60.7 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VY001733.D (-498) (-)

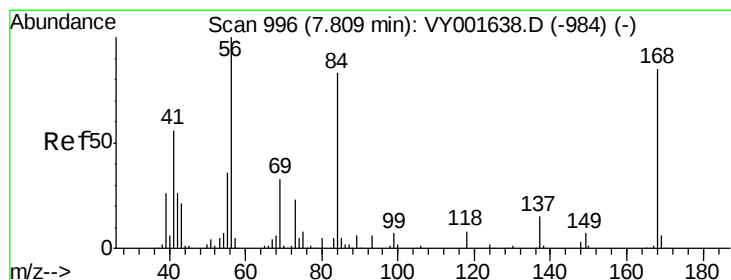
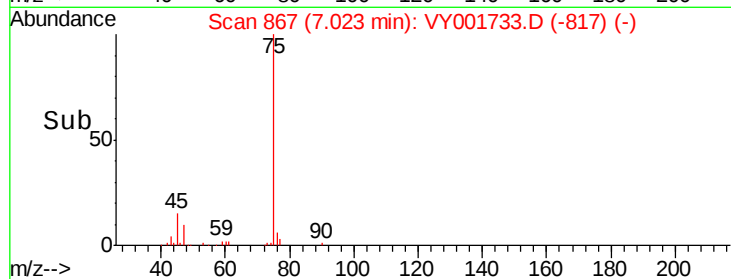
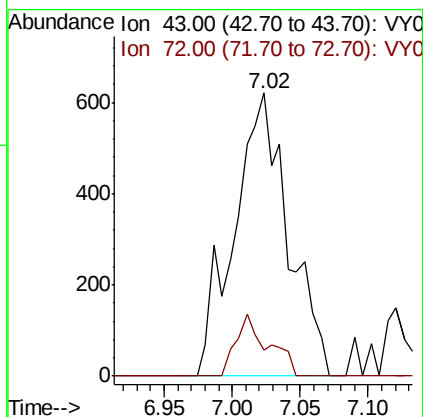
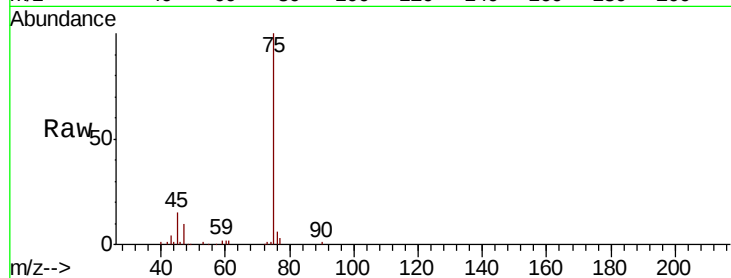




#25
2-Butanone
Concen: 1.933 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001733.D
Acq: 21 Feb 2020 11:30

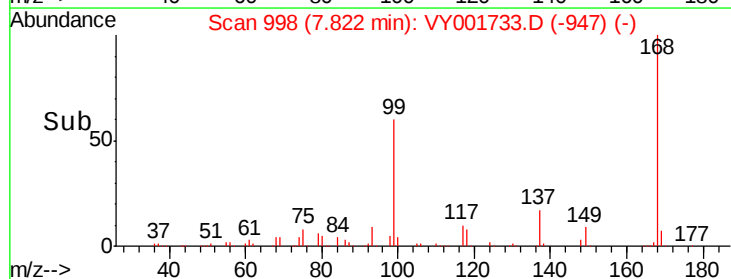
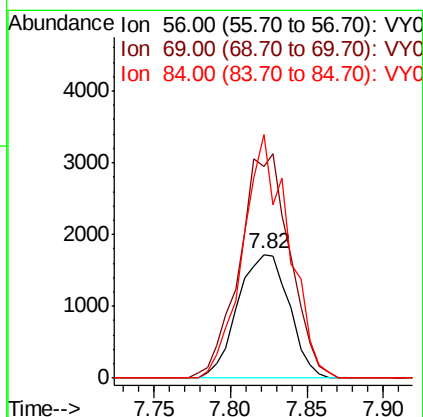
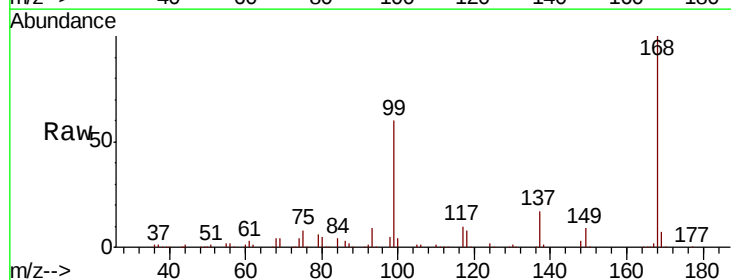
Instrument :
MSVOA_Y
ClientSampled :

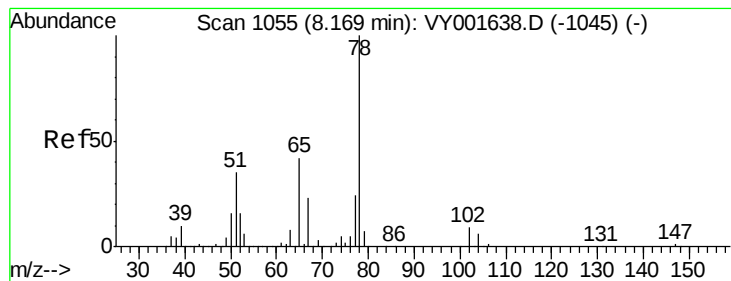
Tot Ion: 43 Resp: 1725
Ion Ratio Lower Upper
43 100
72 9.0 21.2 31.8#



#31
Cyclohexane
Concen: 1.007 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.01 min
Lab File: VY001733.D
Acq: 21 Feb 2020 11:30

Tgt Ion: 56 Resp: 4017
Ion Ratio Lower Upper
56 100
69 171.0 25.1 37.7#
84 197.4 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 52.721 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001733.D

Acq: 21 Feb 2020 11:30

Instrument :

MSVOA_Y

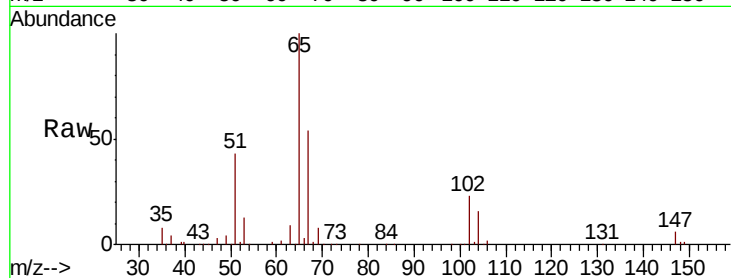
ClientSampleId :

Tot Ion: 65 Resp: 100117

Ion Ratio Lower Upper

65 100

67 55.4 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.18

50000

40000

30000

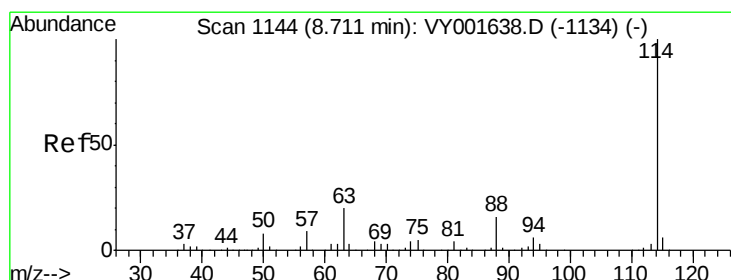
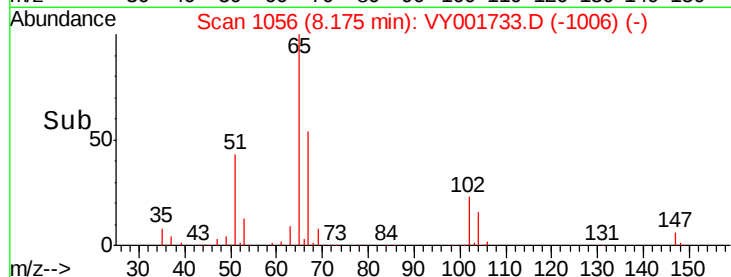
20000

10000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY001733.D

Acq: 21 Feb 2020 11:30

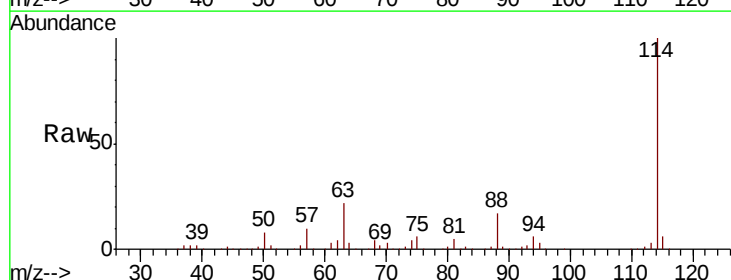
Tgt Ion: 114 Resp: 327112

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.4

88 16.7 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

8.72

200000

150000

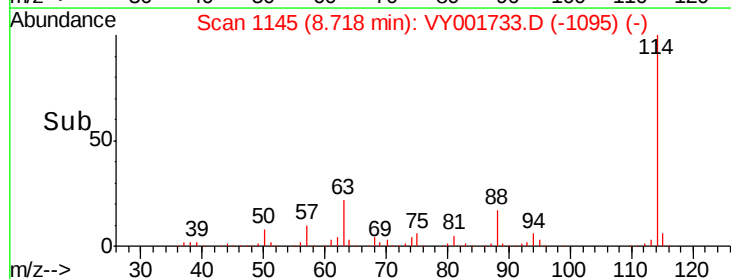
100000

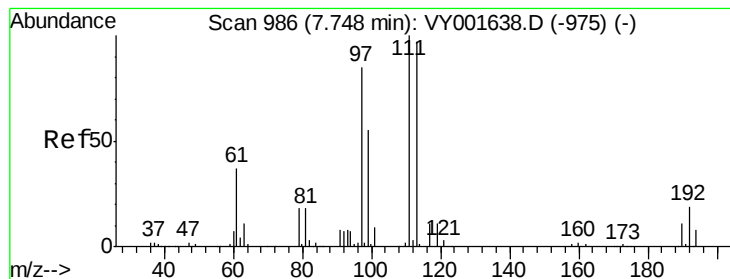
50000

0

8.60 8.70 8.80

Time-->





#35

Dibromofluoromethane

Concen: 51.147 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY001733.D

Acq: 21 Feb 2020 11:30

Instrument :

MSVOA_Y

ClientSampleId :

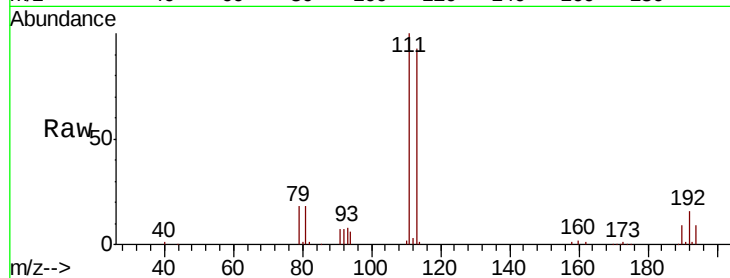
Tot Ion:113 Resp: 95826

Ion Ratio Lower Upper

113 100

111 103.8 81.9 122.9

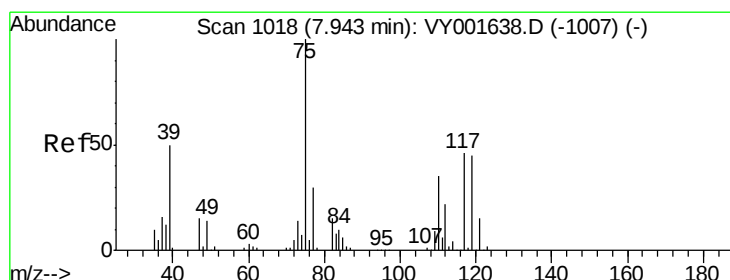
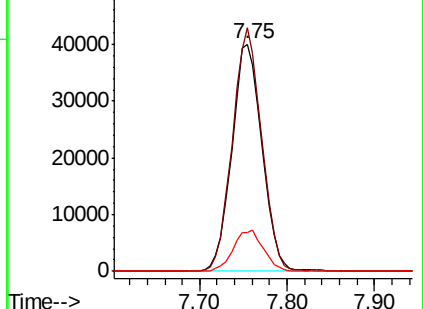
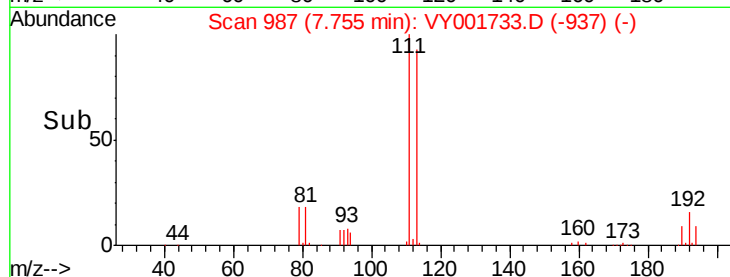
192 18.2 14.3 21.5



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: 4.795 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.12 min

Lab File: VY001733.D

Acq: 21 Feb 2020 11:30

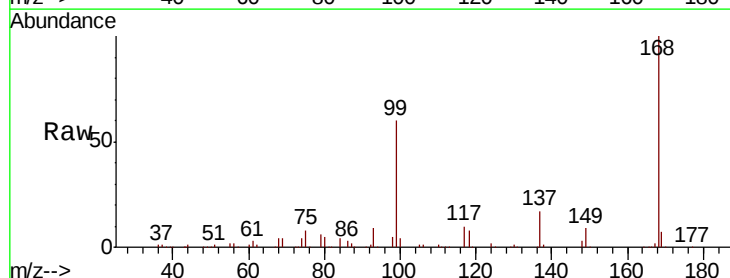
Tgt Ion: 75 Resp: 14981

Ion Ratio Lower Upper

75 100

110 9.6 17.2 51.6#

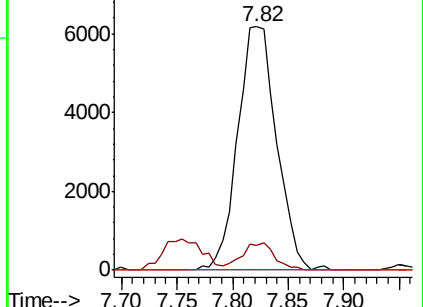
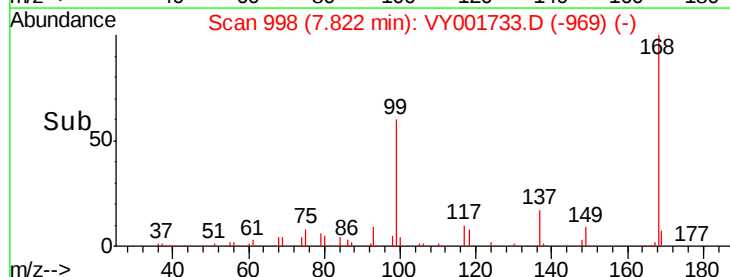
77 0.0 24.8 37.2#

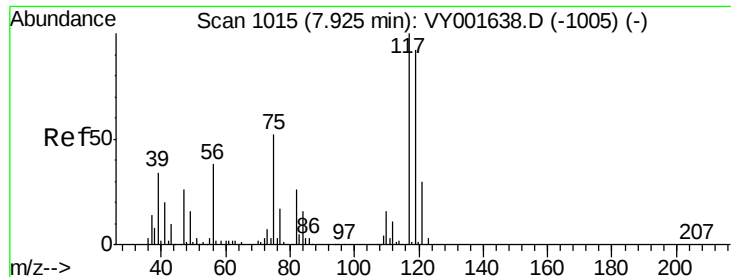


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.382 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY001733.D

Acq: 21 Feb 2020 11:30

Instrument :

MSVOA_Y

ClientSampled :

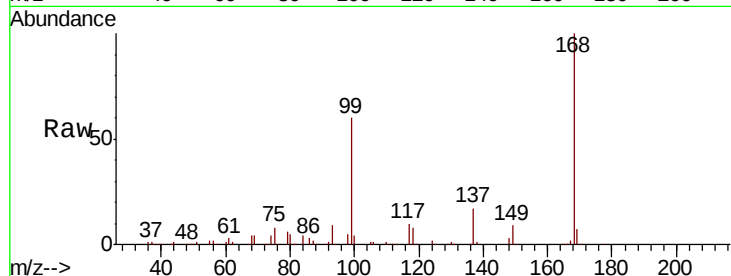
Tot Ion:117 Resp: 17515

Ion Ratio Lower Upper

117 100

119 3.0 74.8 112.2#

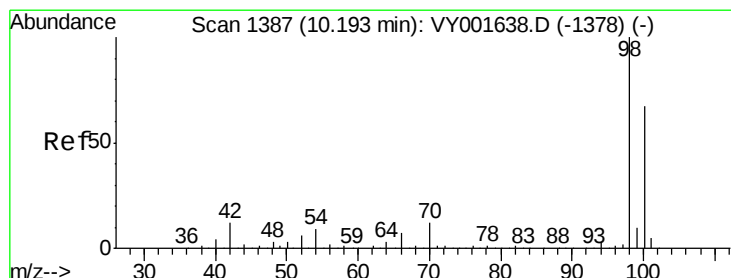
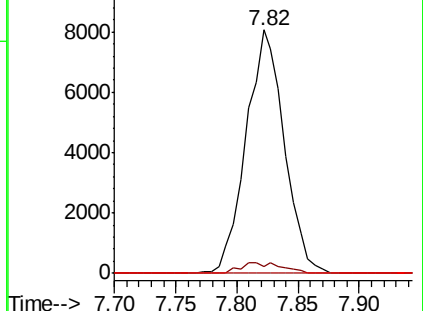
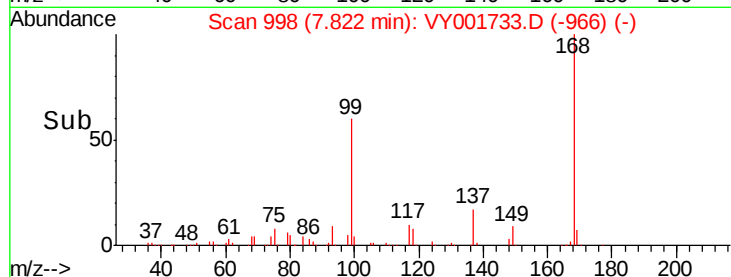
121 0.0 23.8 35.6#



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



#50

Toluene-d8

Concen: 54.398 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001733.D

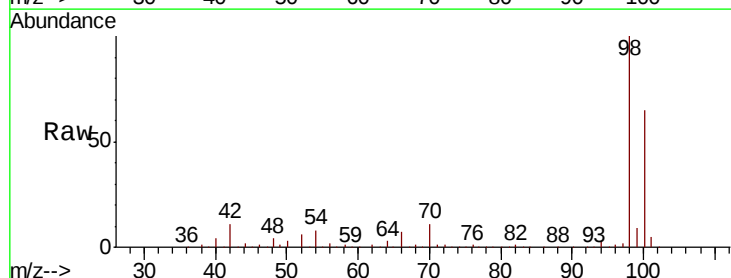
Acq: 21 Feb 2020 11:30

Tgt Ion: 98 Resp: 399280

Ion Ratio Lower Upper

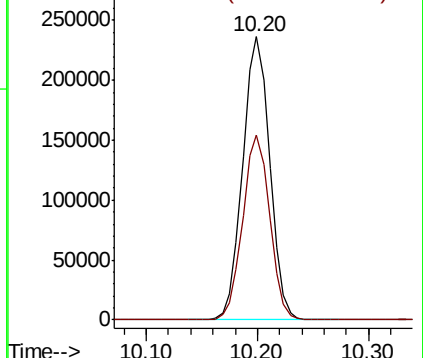
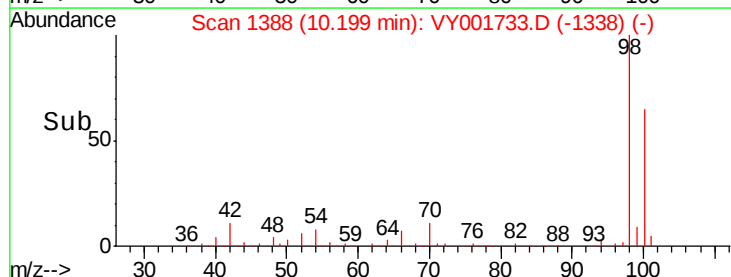
98 100

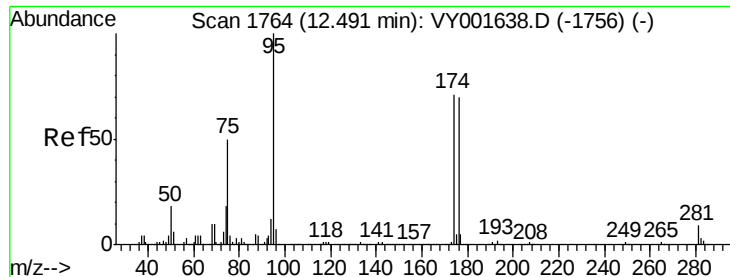
100 65.1 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 46.726 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001733.D

Acq: 21 Feb 2020 11:30

Instrument :

MSVOA_Y

ClientSampleId :

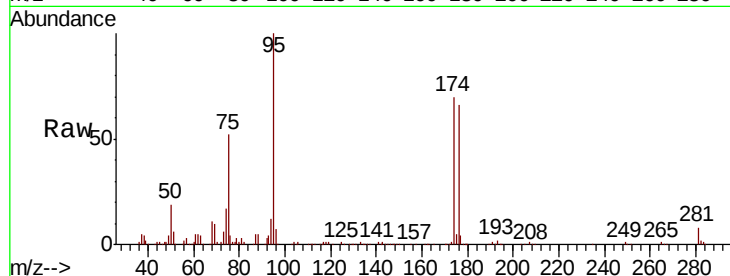
Tot Ion: 95 Resp: 133241

Ion Ratio Lower Upper

95 100

174 72.5 0.0 138.4

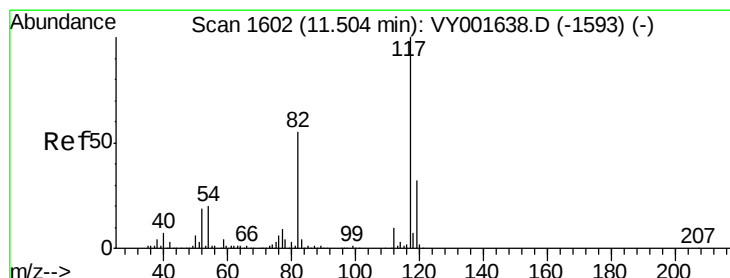
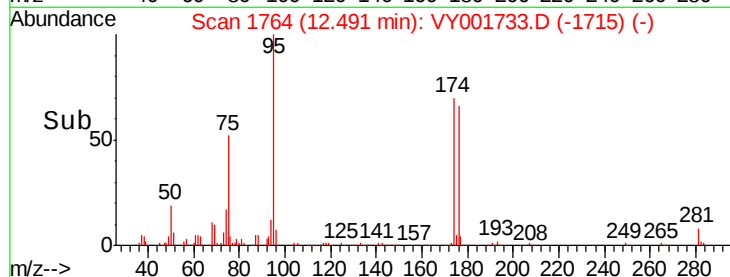
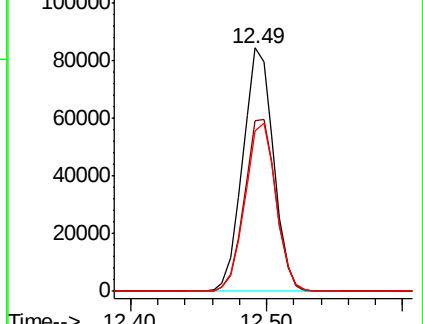
176 70.0 0.0 131.8



Abundance Ion 94.90 (94.60 to 95.60): VY001733.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001733.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001733.D (-1756) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY001733.D

Acq: 21 Feb 2020 11:30

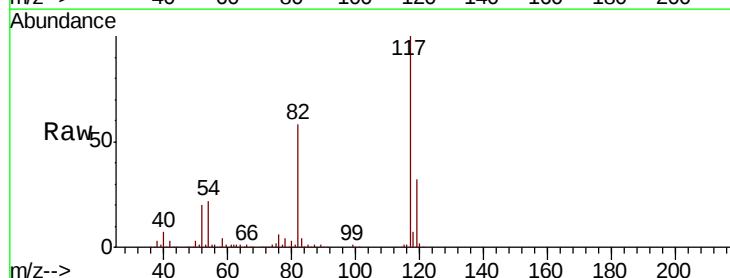
Tgt Ion: 117 Resp: 290476

Ion Ratio Lower Upper

117 100

82 57.7 45.5 68.3

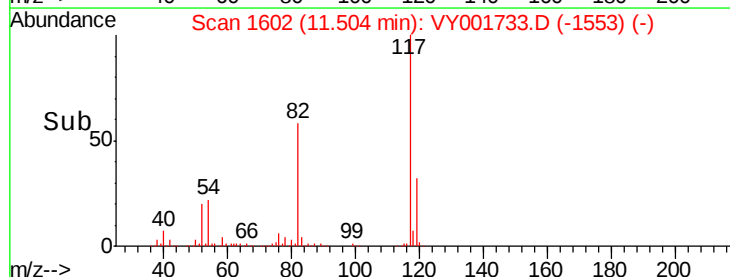
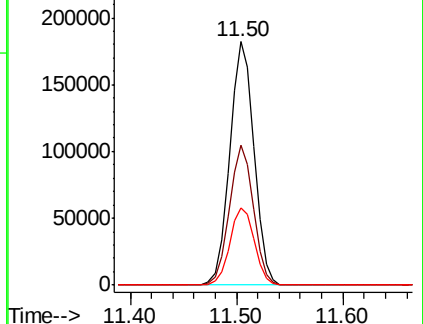
119 31.6 25.8 38.6

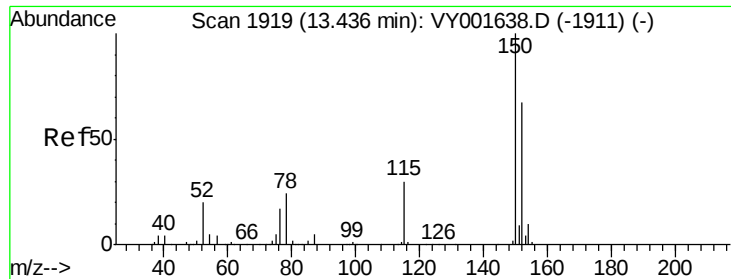


Abundance Ion 116.90 (116.60 to 117.60): VY001733.D (-1553) (-)

Ion 82.00 (81.70 to 82.70): VY001733.D (-1553) (-)

Ion 118.90 (118.60 to 119.60): VY001733.D (-1553) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001733.D

Acq: 21 Feb 2020 11:30

Instrument :

MSVOA_Y

ClientSampleId :

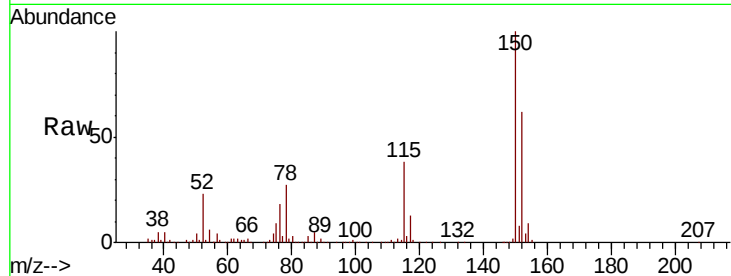
Tot Ion:152 Resp: 125066

Ion Ratio Lower Upper

152 100

115 62.0 31.4 94.2

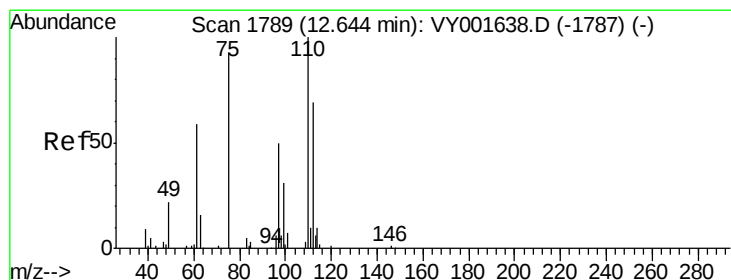
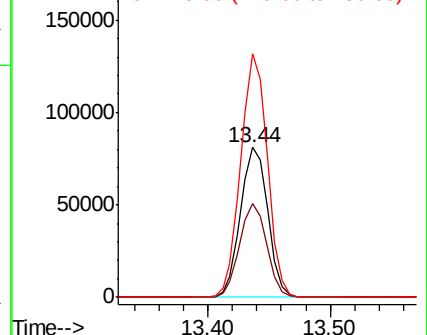
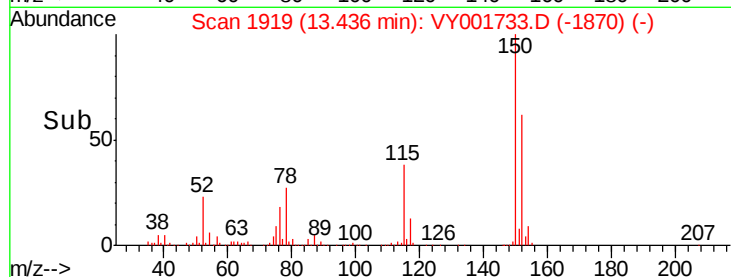
150 158.5 0.0 407.2



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: 47.316 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001733.D

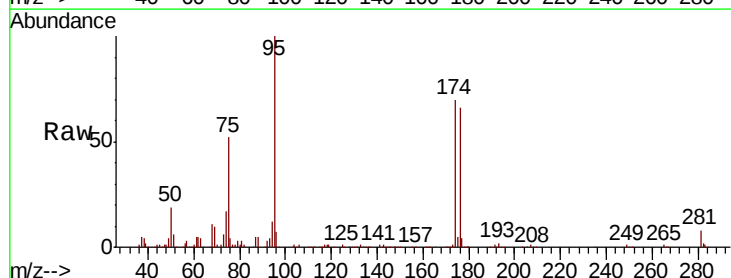
Acq: 21 Feb 2020 11:30

Tgt Ion: 75 Resp: 67883

Ion Ratio Lower Upper

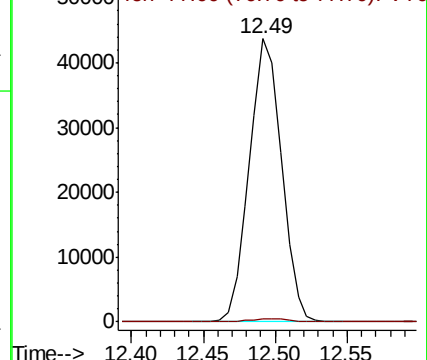
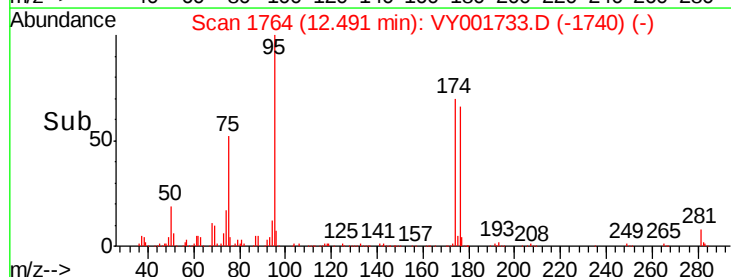
75 100

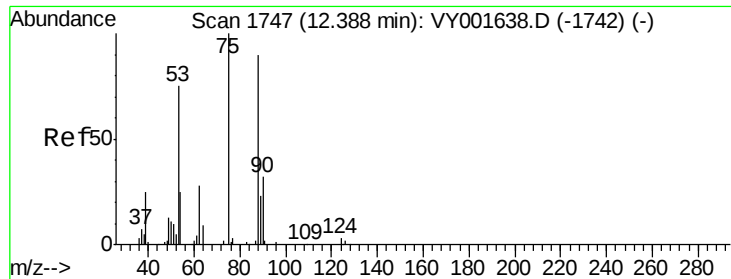
77 1.2 0.0 0.0#



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: 89.767 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001733.D

Acq: 21 Feb 2020 11:30

Instrument :

MSVOA_Y

ClientSampleId :

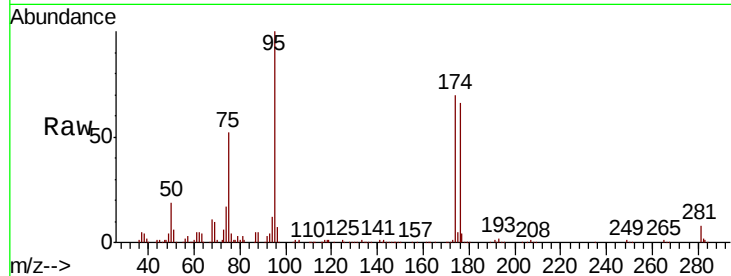
Tot Ion: 75 Resp: 67883

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.1 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

