

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
 Data File : VY001575.D
 Acq On : 07 Feb 2020 23:03
 Operator : SY/MD
 Sample : L1470-04
 Misc : 5.01G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 08 01:30:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	161802	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	286158	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.51	117	258690	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	118256	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.18	65	94371	57.93	ug/l	0.02
Spiked Amount			Recovery	=	115.86%	
35) Dibromofluoromethane	7.76	113	83060	50.34	ug/l	0.02
Spiked Amount			Recovery	=	100.68%	
50) Toluene-d8	10.21	98	344030	55.11	ug/l	0.02
Spiked Amount			Recovery	=	110.22%	
62) 4-Bromofluorobenzene	12.50	95	116837	47.51	ug/l	0.01
Spiked Amount			Recovery	=	95.02%	

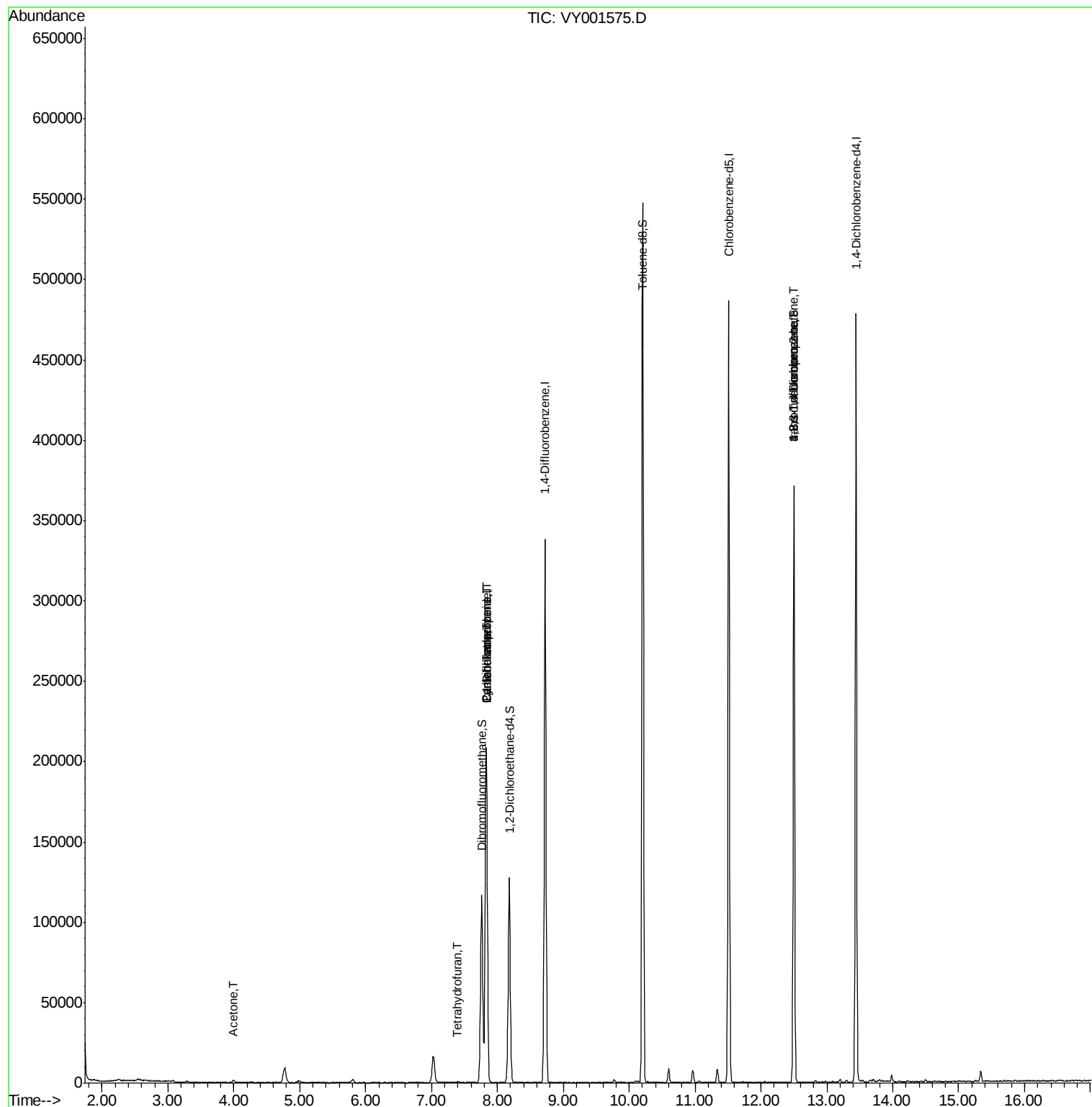
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	970	Below Cal	#	76
16) Acetone	3.99	43	2594	5.505	ug/l	91
20) Methylene Chloride	4.77	84	7347	Below Cal		91
29) Tetrahydrofuran	7.39	42	462	1.261	ug/l #	60
31) Cyclohexane	7.83	56	3528	1.112	ug/l #	5
36) 1,1-Dichloropropene	7.83	75	13088	5.000	ug/l #	48
38) Carbon Tetrachloride	7.83	117	16335	6.450	ug/l #	16
76) 1,2,3-Trichloropropane	12.50	75	61119	48.060	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	61119	92.993	ug/l #	16

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

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Quant Time: Feb 08 01:30:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 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: VY001575.D

Acq: 07 Feb 2020 23:03

Instrument :

MSVOA_Y

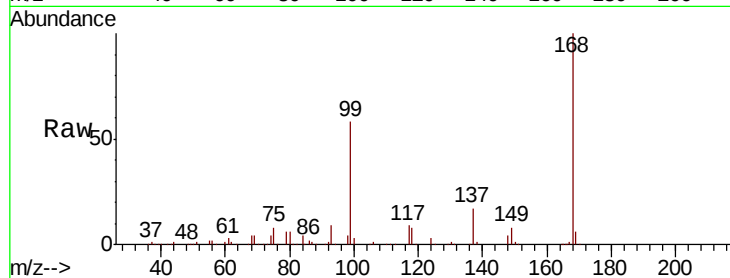
ClientSampleId :

Tot Ion:168 Resp: 161802

Ion Ratio Lower Upper

168 100

99 58.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001575.D

Ion 98.90 (98.60 to 99.60): VY001575.D

7.83

80000

60000

40000

20000

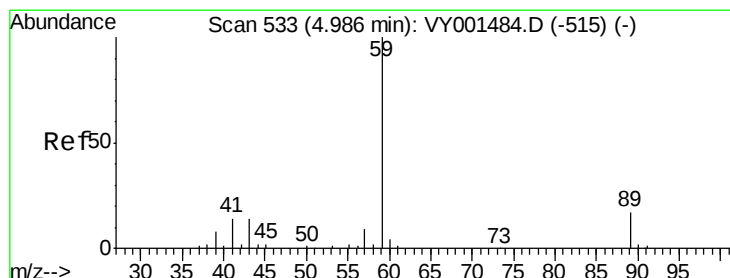
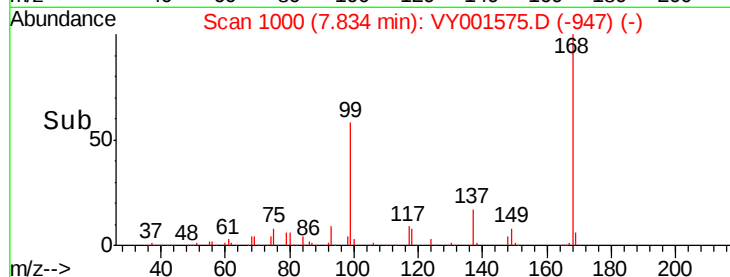
0

7.80

7.85

7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001575.D

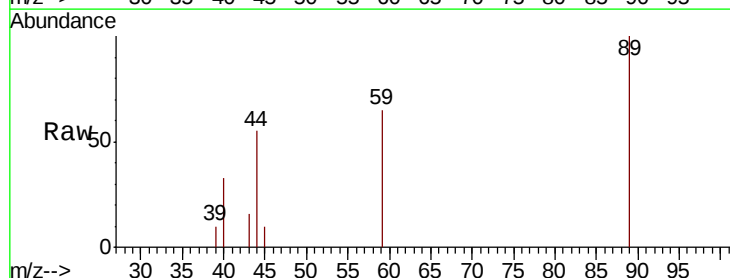
Acq: 07 Feb 2020 23:03

Tgt Ion: 59 Resp: 970

Ion Ratio Lower Upper

59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001575.D

Ion 57.00 (56.70 to 57.70): VY001575.D

4.98

400

300

200

100

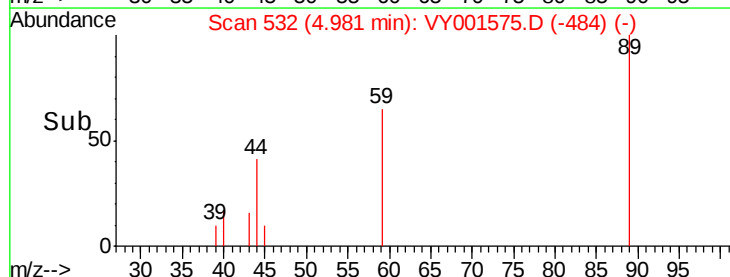
0

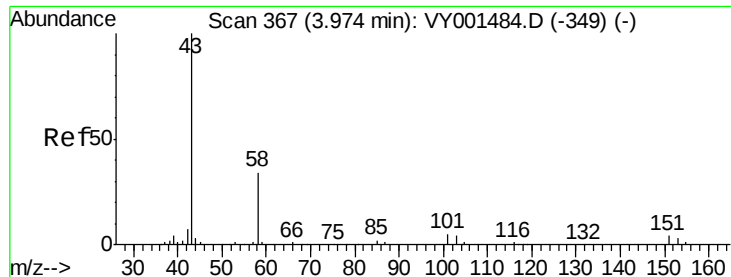
4.95

5.00

5.05

Time-->





#16

Acetone

Concen: 5.505 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.02 min

Lab File: VY001575.D

Acq: 07 Feb 2020 23:03

Instrument :

MSVOA_Y

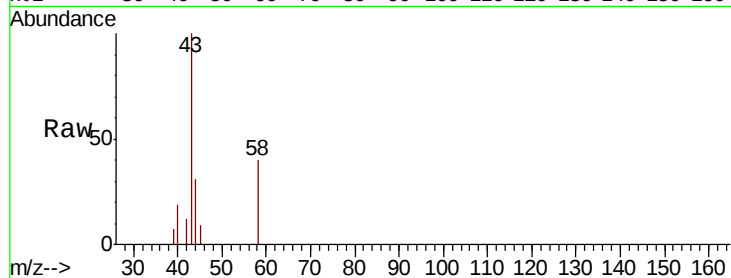
ClientSampled :

Tot Ion: 43 Resp: 2594

Ion Ratio Lower Upper

43 100

58 39.7 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.99

800

600

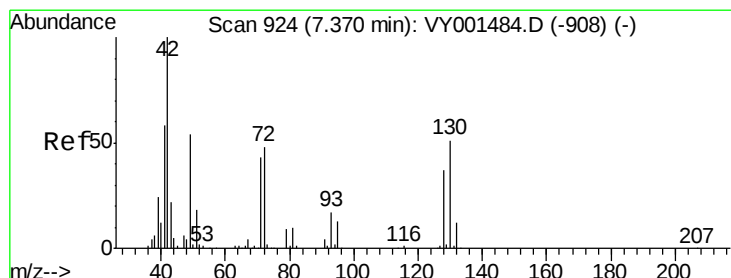
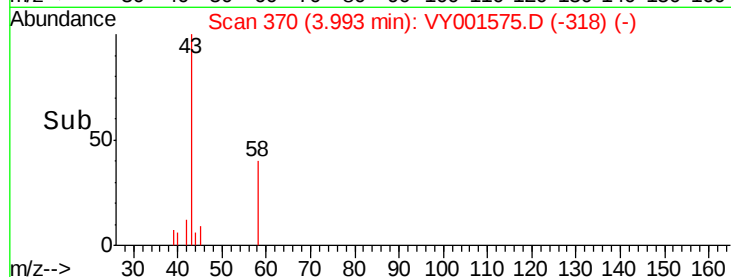
400

200

0

3.90 4.00 4.10

Time-->



#29

Tetrahydrofuran

Concen: 1.261 ug/l

RT: 7.39 min Scan# 927

Delta R.T. 0.02 min

Lab File: VY001575.D

Acq: 07 Feb 2020 23:03

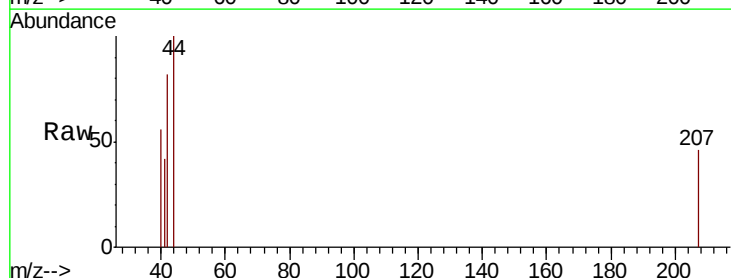
Tgt Ion: 42 Resp: 462

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

71 38.5 34.8 52.2



Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0

7.39

250

200

150

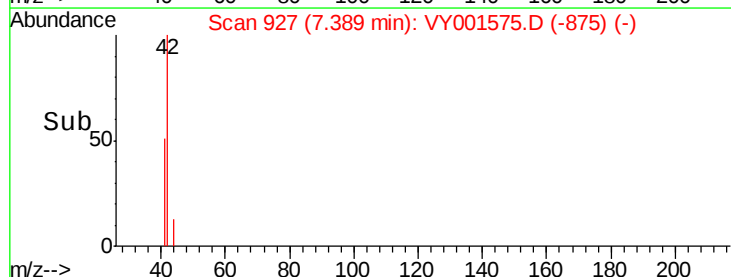
100

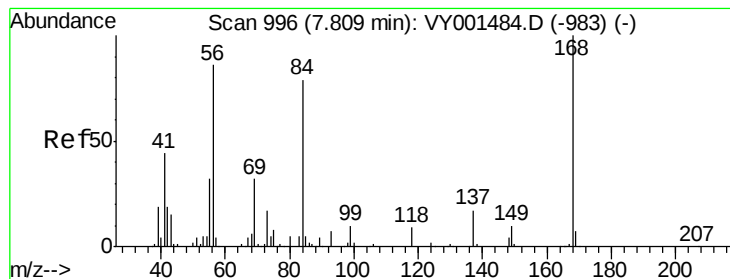
50

0

7.35 7.40 7.45

Time-->





#31

Cyclohexane

Concen: 1.112 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.02 min

Lab File: VY001575.D

Acq: 07 Feb 2020 23:03

Instrument :

MSVOA_Y

ClientSampleId :

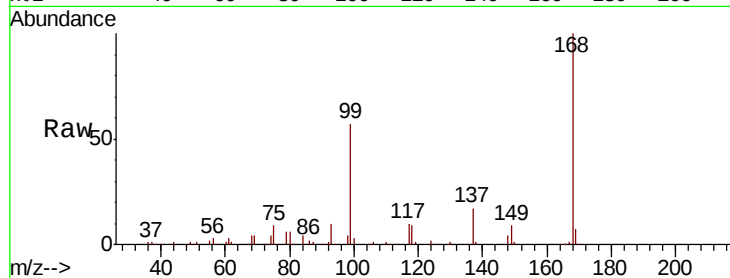
Tot Ion: 56 Resp: 3528

Ion Ratio Lower Upper

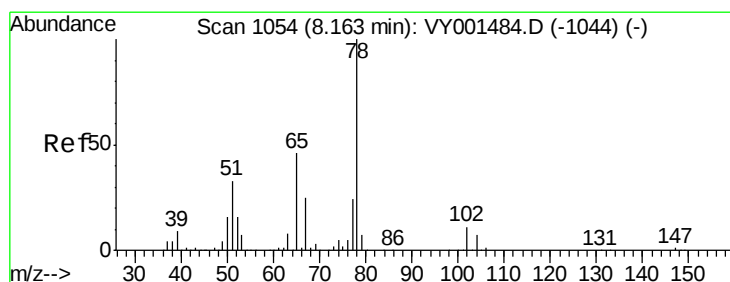
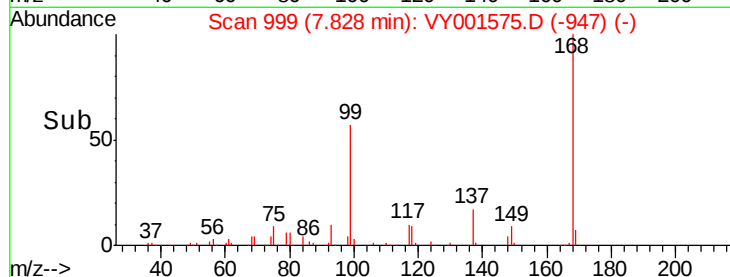
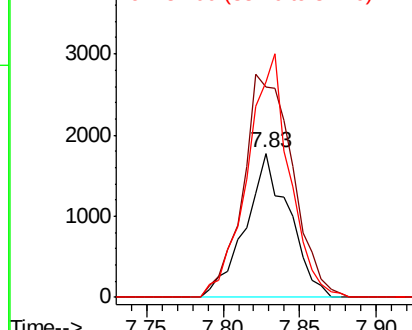
56 100

69 146.0 29.6 44.4#

84 149.2 73.6 110.4#



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: 57.928 ug/l

RT: 8.18 min Scan# 1057

Delta R.T. 0.02 min

Lab File: VY001575.D

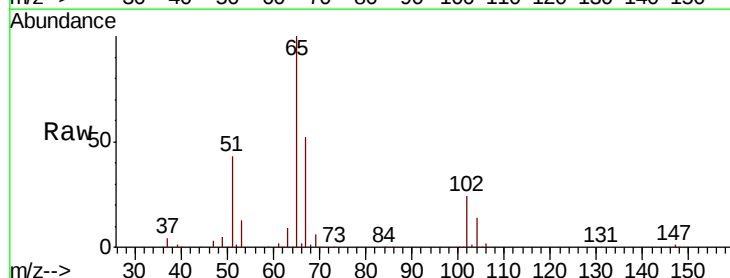
Acq: 07 Feb 2020 23:03

Tgt Ion: 65 Resp: 94371

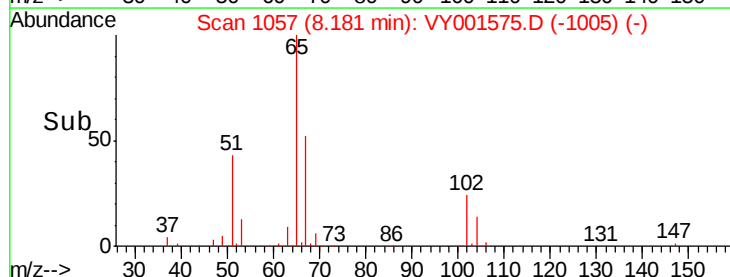
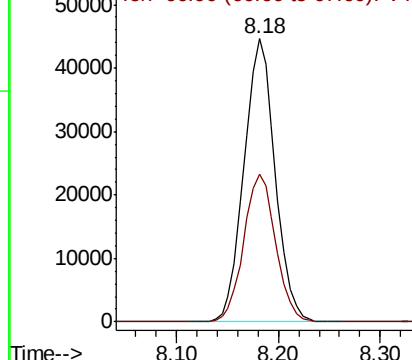
Ion Ratio Lower Upper

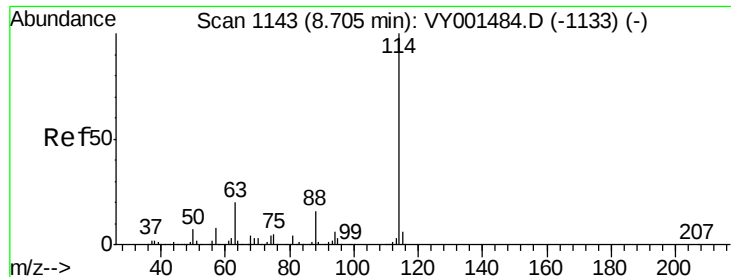
65 100

67 53.7 0.0 108.6



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

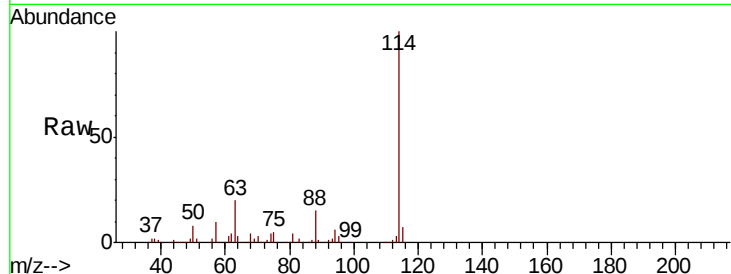




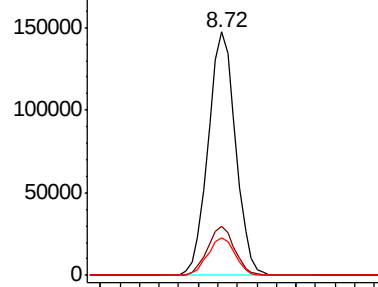
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1146
 Delta R.T. 0.02 min
 Lab File: VY001575.D
 Acq: 07 Feb 2020 23:03

Instrument :
 MSVOA_Y
 ClientSampleId :

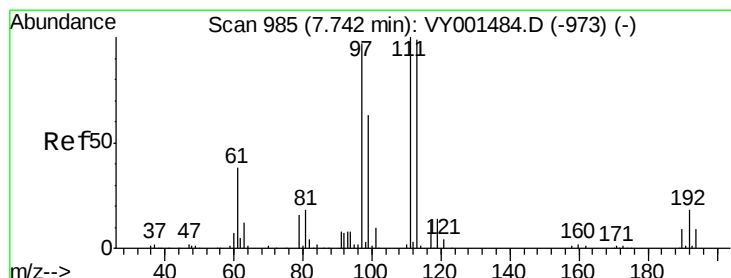
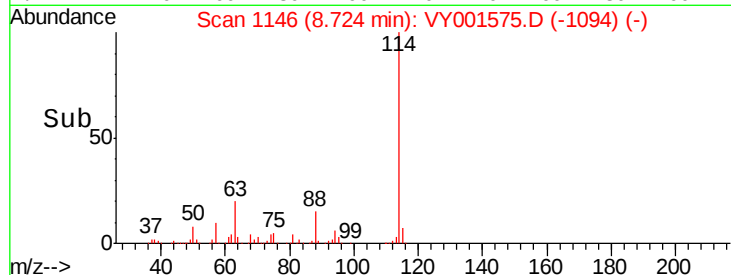
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.8
88	15.4	0.0	32.6



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

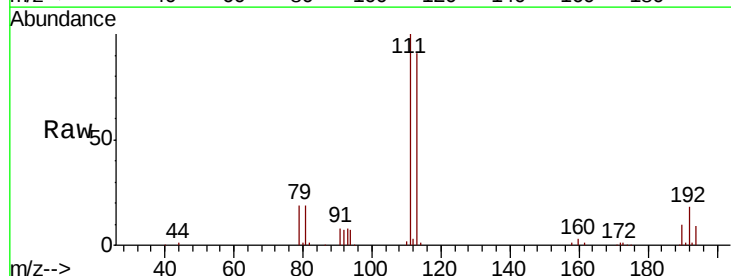


Time-->

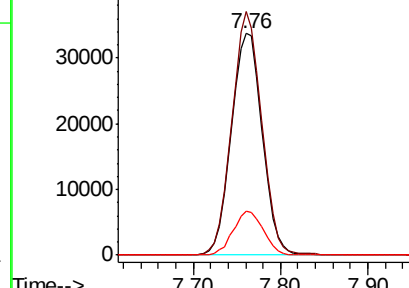


#35
 Dibromofluoromethane
 Concen: 50.336 ug/l
 RT: 7.76 min Scan# 988
 Delta R.T. 0.02 min
 Lab File: VY001575.D
 Acq: 07 Feb 2020 23:03

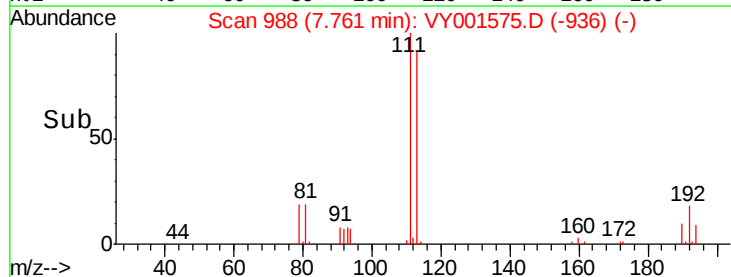
Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.6	82.9	124.3
192	19.4	14.6	22.0

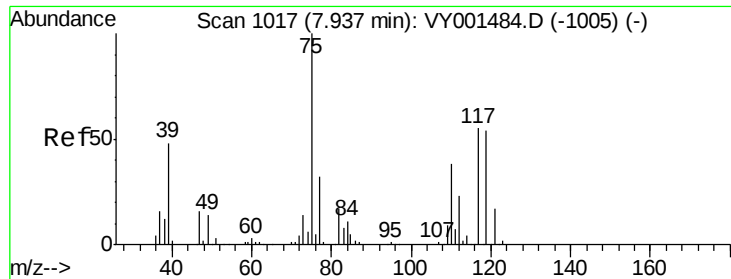


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



Time-->

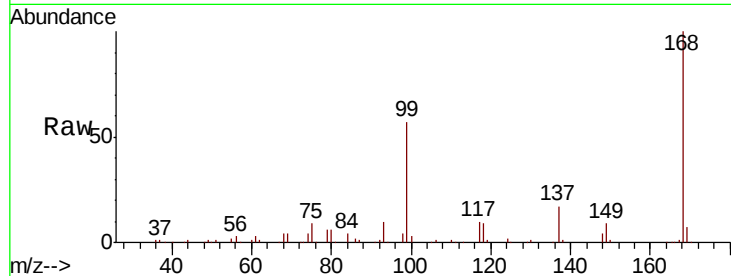




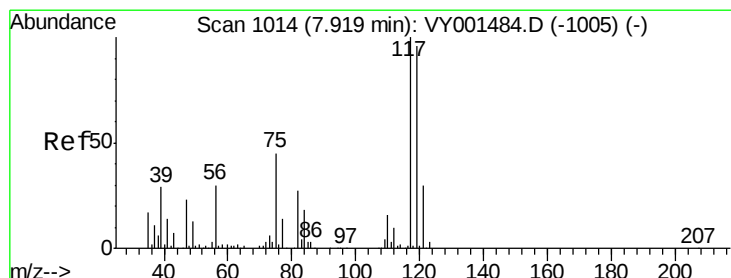
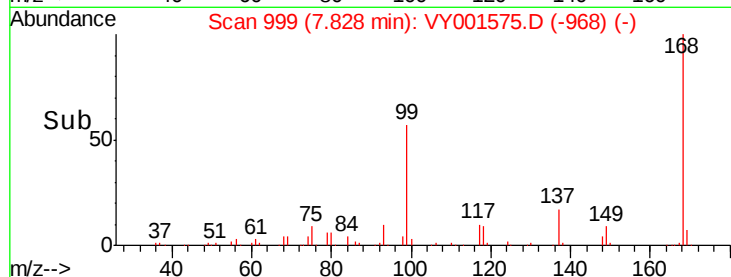
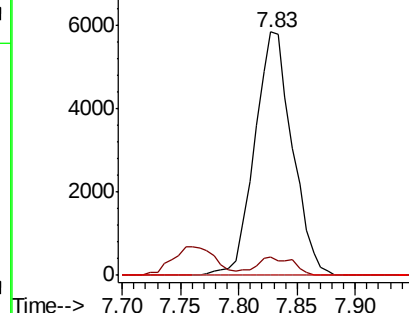
#36
 1,1-Dichloropropene
 Concen: 5.000 ug/l
 RT: 7.83 min Scan# 999
 Delta R.T. -0.11 min
 Lab File: VY001575.D
 Acq: 07 Feb 2020 23:03

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	75	110	77	Resp	Lower	Upper
13088	100	7.5	0.0		18.2	54.6#
					25.0	37.4#

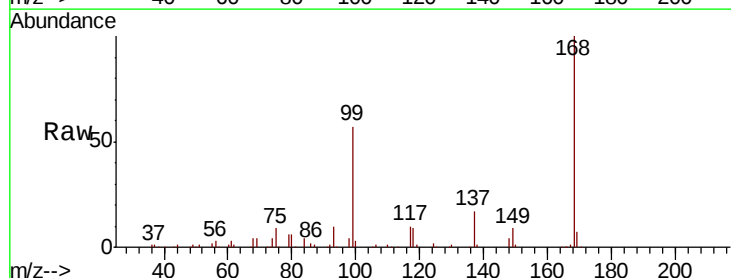


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

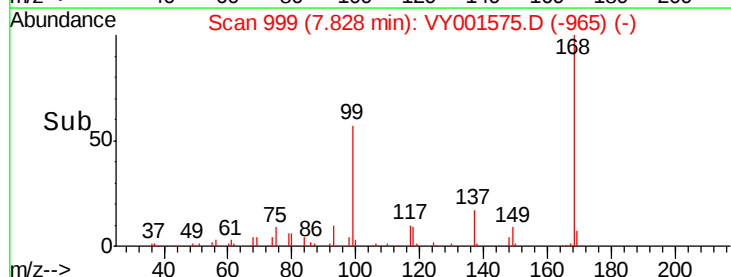
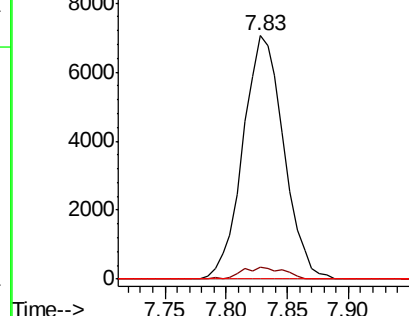


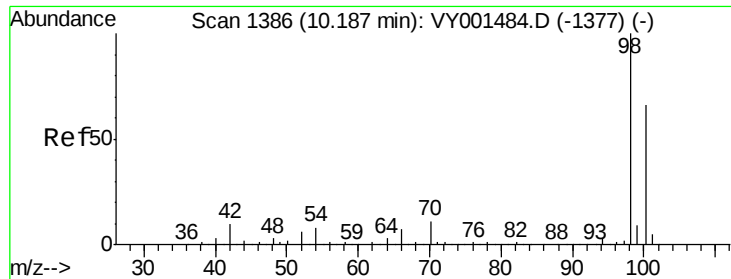
#38
 Carbon Tetrachloride
 Concen: 6.450 ug/l
 RT: 7.83 min Scan# 999
 Delta R.T. -0.09 min
 Lab File: VY001575.D
 Acq: 07 Feb 2020 23:03

Tgt Ion	117	119	121	Resp	Lower	Upper
16335	100	5.0	0.0		76.4	114.6#
					24.2	36.4#



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: 55.105 ug/l

RT: 10.21 min Scan# 1389

Delta R.T. 0.02 min

Lab File: VY001575.D

Acq: 07 Feb 2020 23:03

Instrument :

MSVOA_Y

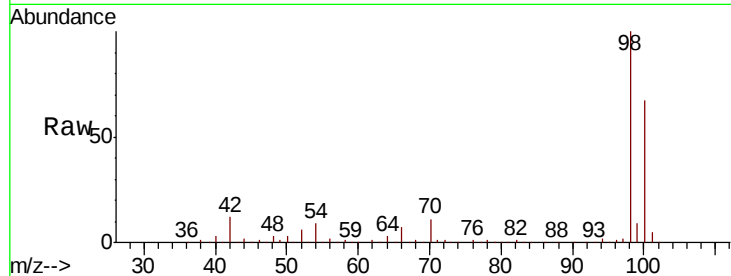
ClientSampleId :

Tot Ion: 98 Resp: 344030

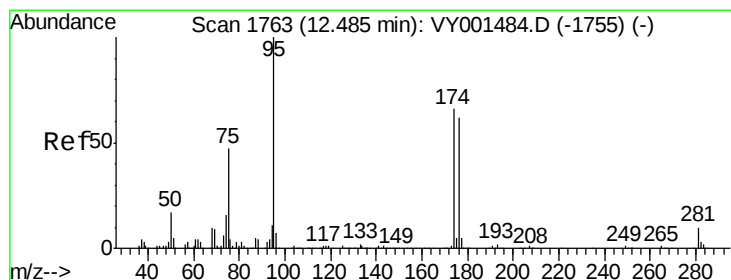
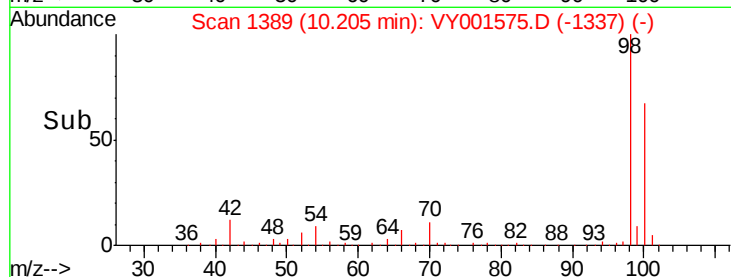
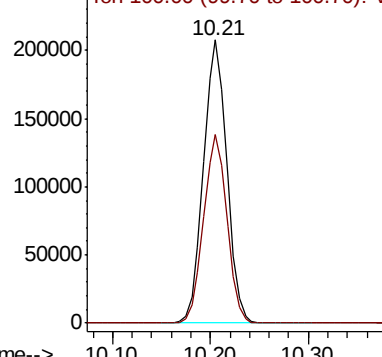
Ion Ratio Lower Upper

98 100

100 66.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY001484.D (-1377) (-)



#62

4-Bromofluorobenzene

Concen: 47.505 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001575.D

Acq: 07 Feb 2020 23:03

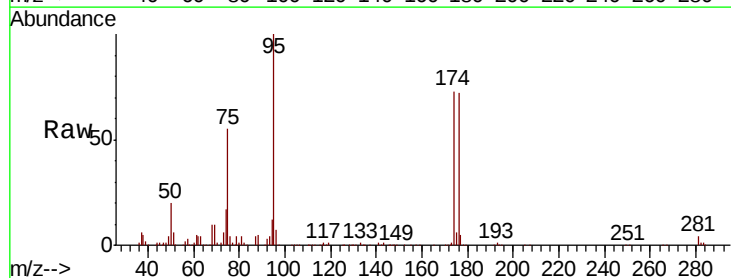
Tgt Ion: 95 Resp: 116837

Ion Ratio Lower Upper

95 100

174 76.2 0.0 141.4

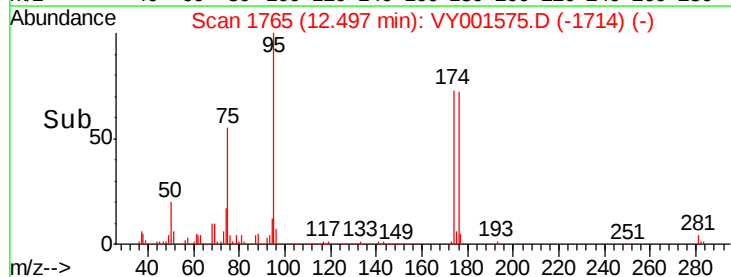
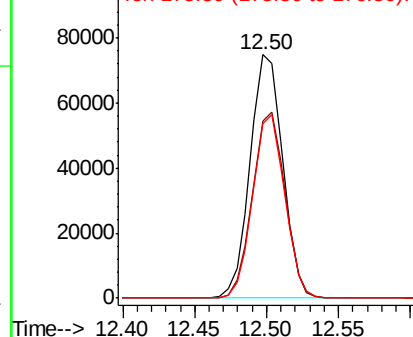
176 74.1 0.0 135.4

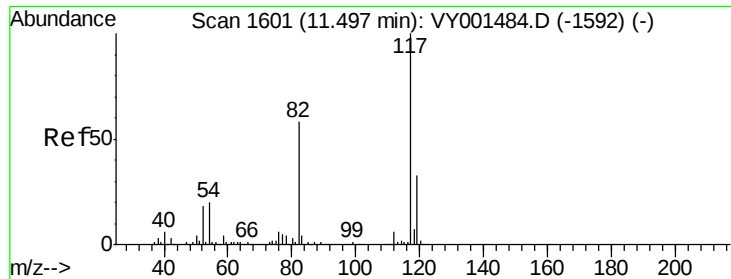


Abundance Ion 94.90 (94.60 to 95.60): VY001484.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY001484.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY001484.D (-1755) (-)

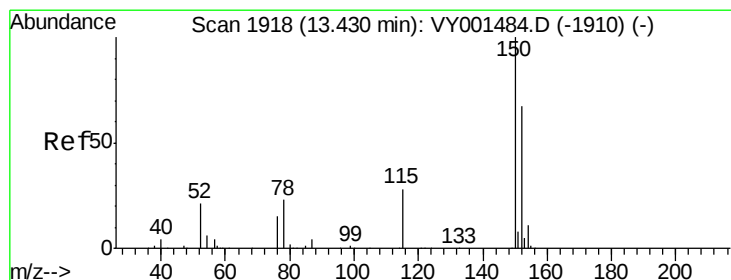
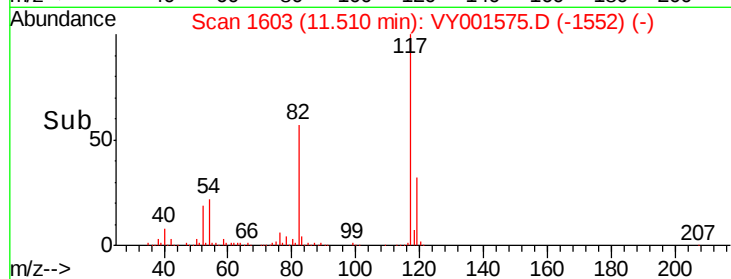
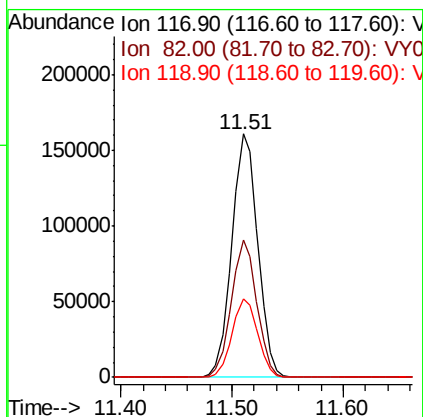
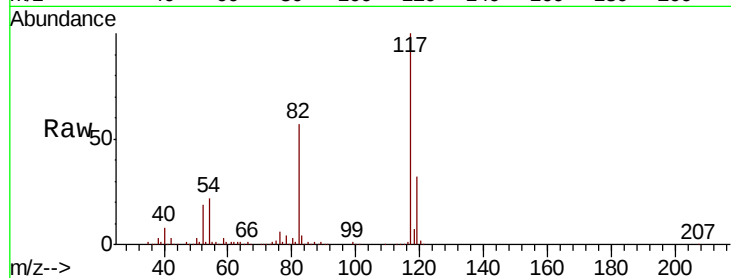




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY001575.D
Acq: 07 Feb 2020 23:03

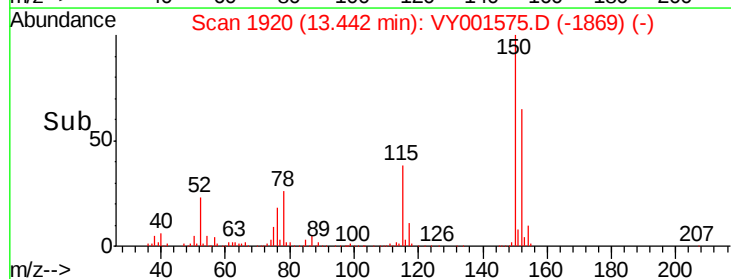
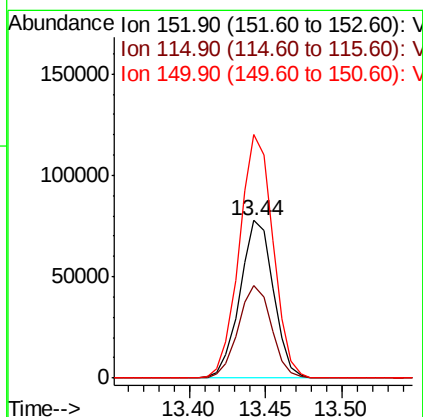
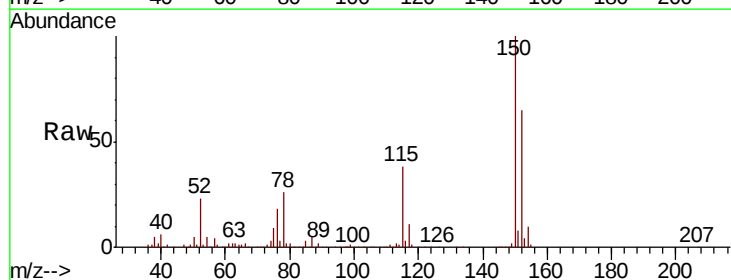
Instrument :
MSVOA_Y
ClientSampleId :

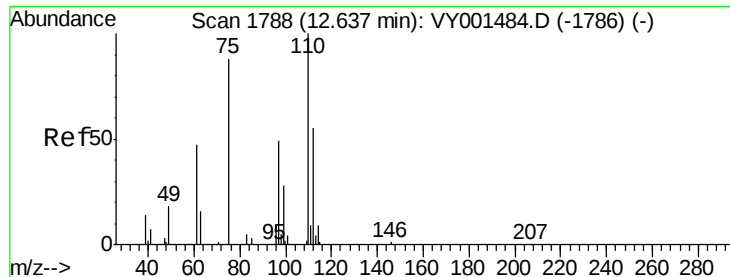
Tot Ion:117 Resp: 258690
Ion Ratio Lower Upper
117 100
82 56.5 46.1 69.1
119 32.0 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VY001575.D
Acq: 07 Feb 2020 23:03

Tgt Ion:152 Resp: 118256
Ion Ratio Lower Upper
152 100
115 58.2 31.4 94.3
150 155.1 0.0 346.8





#76

1,2,3-Trichloropropane

Concen: 48.060 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.14 min

Lab File: VY001575.D

Acq: 07 Feb 2020 23:03

Instrument :

MSVOA_Y

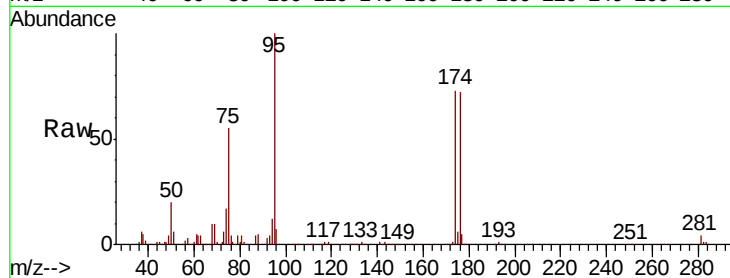
ClientSampled :

Tot Ion: 75 Resp: 61119

Ion Ratio Lower Upper

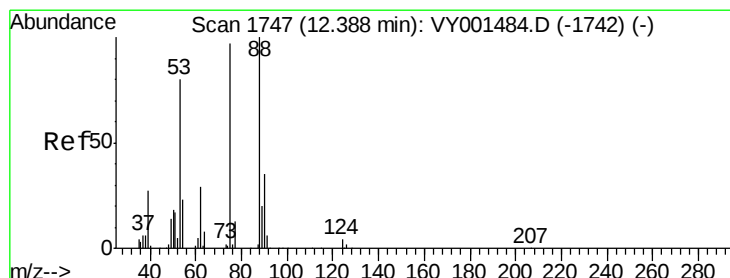
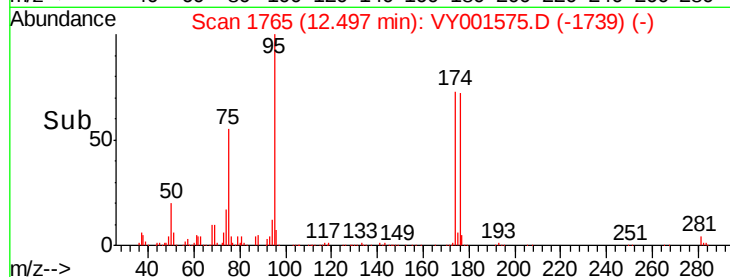
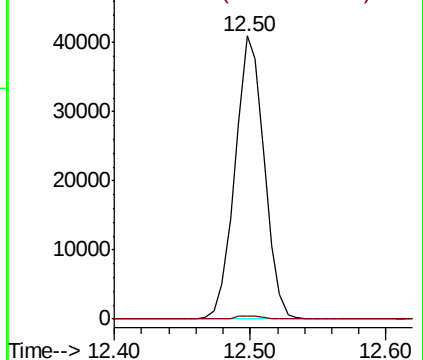
75 100

77 1.0 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: 92.993 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY001575.D

Acq: 07 Feb 2020 23:03

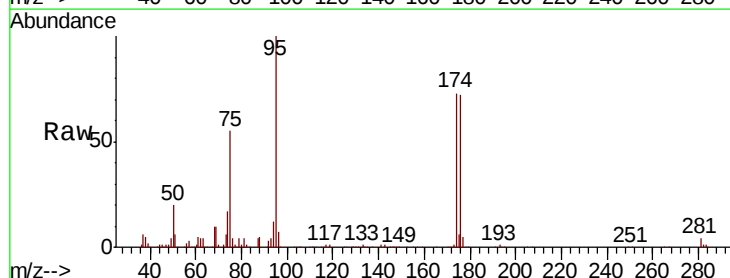
Tgt Ion: 75 Resp: 61119

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.2 34.6 52.0#



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

