

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040220\
 Data File : VY002199.D
 Acq On : 02 Apr 2020 17:51
 Operator : SY/MD
 Sample : L2146-01
 Misc : 6.40G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 03 03:17:27 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

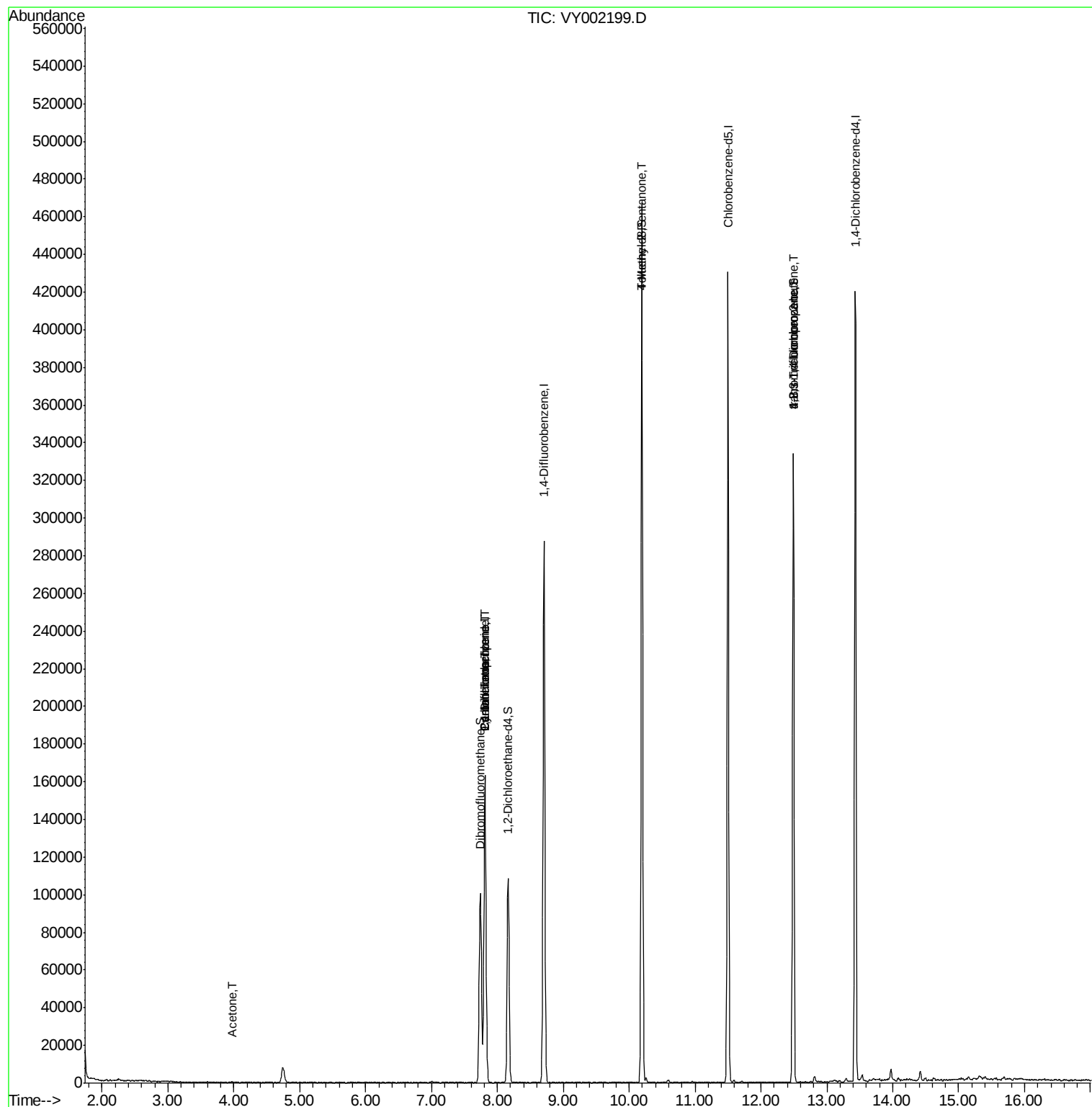
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	122704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	240968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	228586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	101370	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	81089	59.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.56%	
35) Dibromofluoromethane	7.74	113	71000	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
50) Toluene-d8	10.19	98	297525	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
62) 4-Bromofluorobenzene	12.49	95	105244	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	
Target Compounds						
					Qvalue	
16) Acetone	3.98	43	908	2.383	ug/l	92
20) Methylene Chloride	4.74	84	6041	Below Cal		96
31) Cyclohexane	7.82	56	3028	1.071	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	10762	4.722	ug/l #	49
38) Carbon Tetrachloride	7.82	117	12266	6.343	ug/l #	16
51) 4-Methyl-2-Pentanone	10.19	43	1331	1.011	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	54437	48.008	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	54437	93.008	ug/l #	17

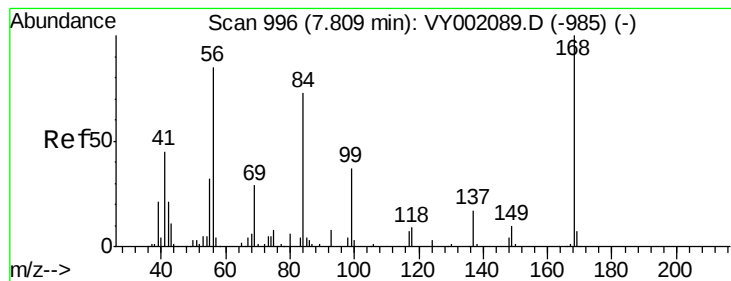
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002199.D

Acq: 02 Apr 2020 17:51

Instrument :

MSVOA_Y

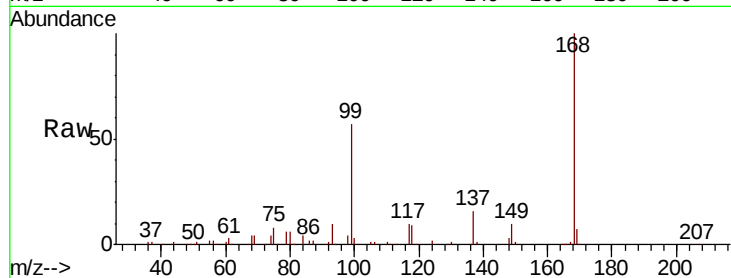
ClientSampled :

Tot Ion:168 Resp: 122704

Ion Ratio Lower Upper

168 100

99 56.8 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002199.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002199.D (-947) (-)

7.82

60000

50000

40000

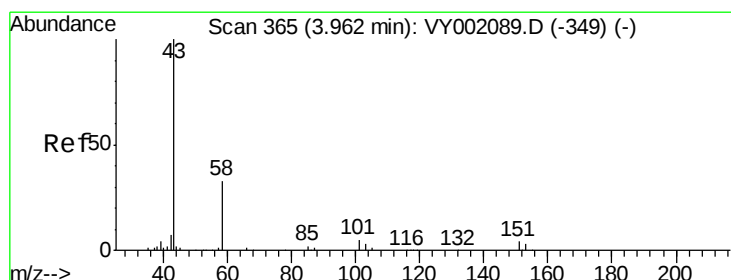
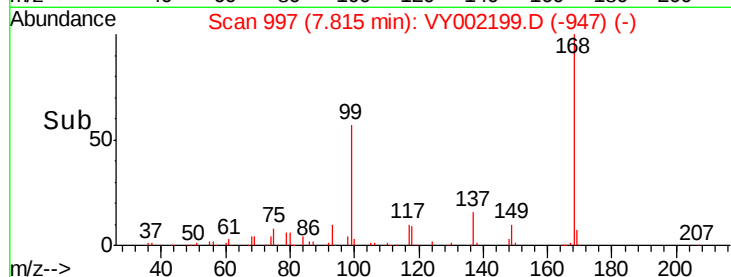
30000

20000

10000

0

Time--> 7.70 7.80 7.90



#16

Acetone

Concen: 2.383 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.02 min

Lab File: VY002199.D

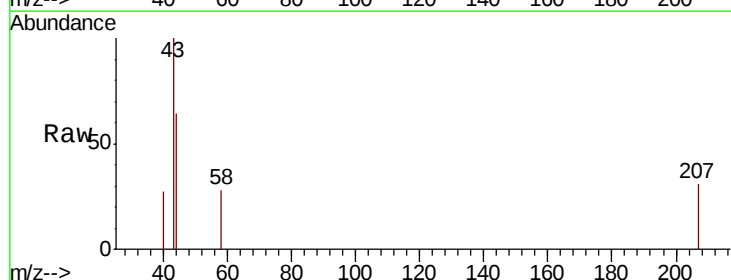
Acq: 02 Apr 2020 17:51

Tgt Ion: 43 Resp: 908

Ion Ratio Lower Upper

43 100

58 28.1 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VY002199.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VY002199.D (-316) (-)

3.98

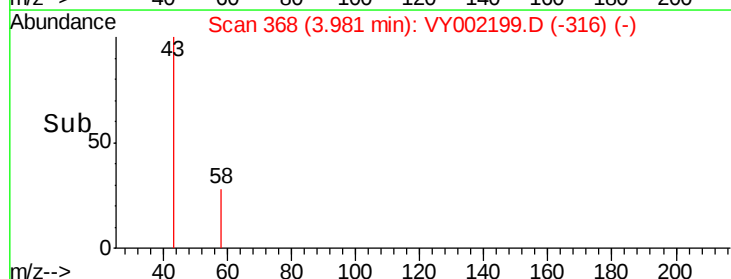
300

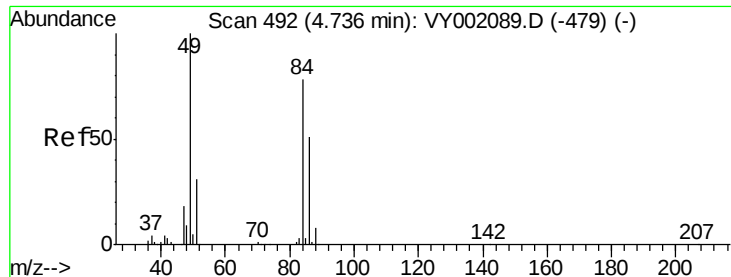
200

100

0

Time--> 3.90 3.95 4.00 4.05

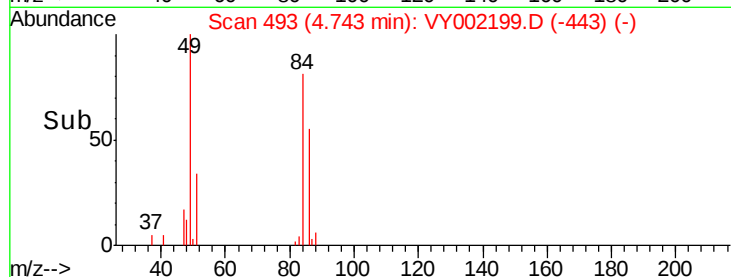
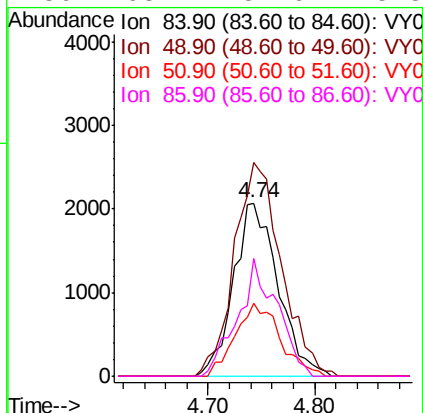
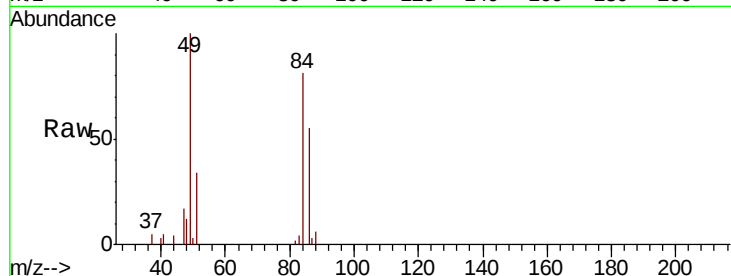




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002199.D
Acq: 02 Apr 2020 17:51

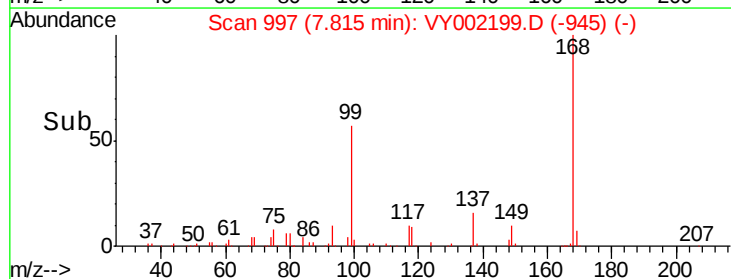
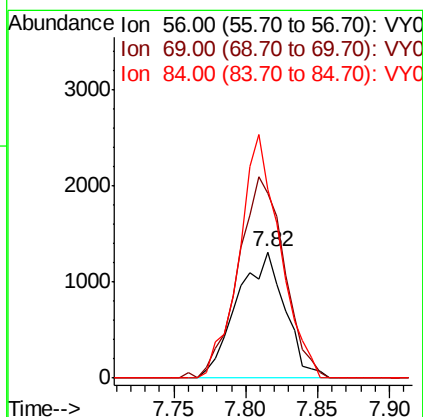
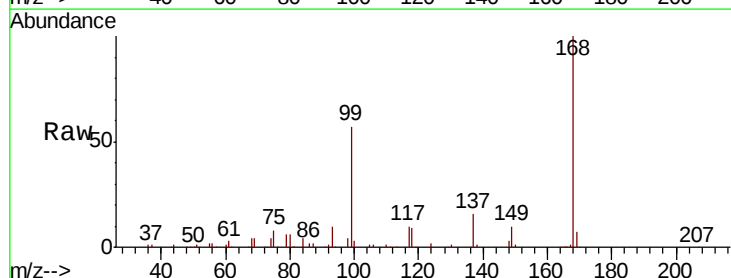
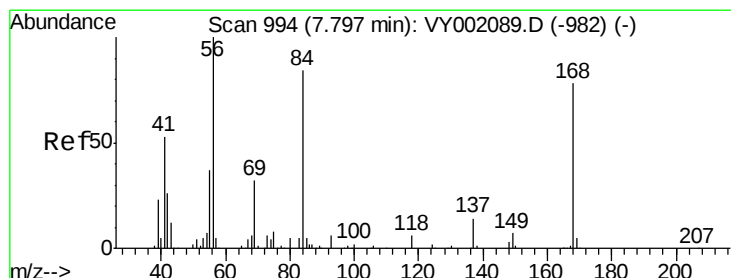
Instrument :
MSVOA_Y
ClientSampleId :

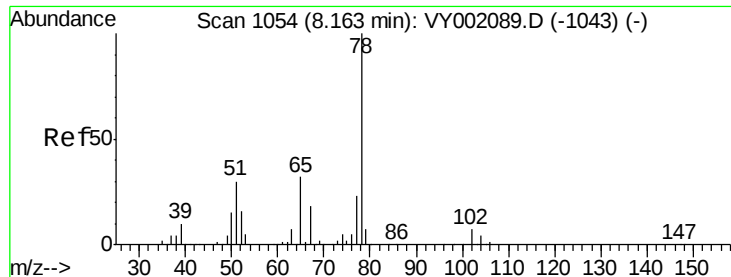
Tot Ion:	84	Resp:	6041
Ion	Ratio	Lower	Upper
84	100		
49	123.6	102.2	153.4
51	42.0	31.2	46.8
86	68.2	52.6	78.8



#31
Cyclohexane
Concen: 1.071 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.02 min
Lab File: VY002199.D
Acq: 02 Apr 2020 17:51

Tgt Ion:	56	Resp:	3028
Ion	Ratio	Lower	Upper
56	100		
69	147.0	25.8	38.8#
84	149.5	67.1	100.7#





#33

1,2-Dichloroethane-d4

Concen: 59.780 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY002199.D

Acq: 02 Apr 2020 17:51

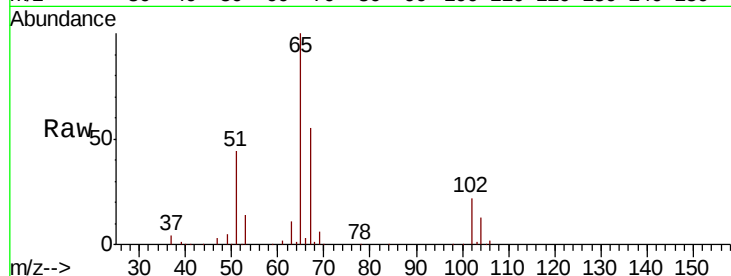
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 65 Resp: 81089

Ion Ratio Lower Upper

65 100

67 55.5 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.16

40000

30000

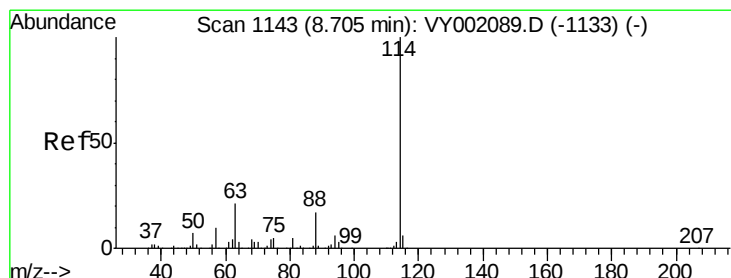
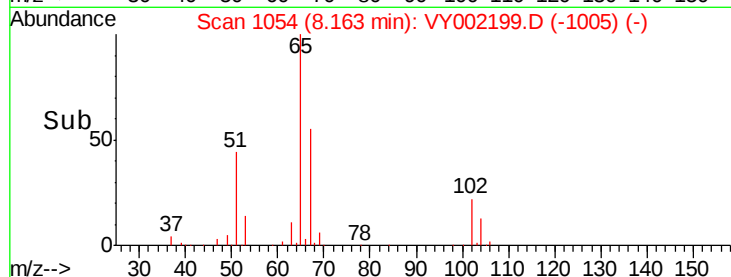
20000

10000

0

8.10 8.20 8.30

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VY002199.D

Acq: 02 Apr 2020 17:51

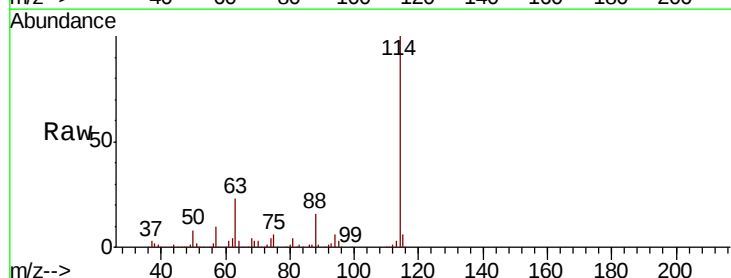
Tgt Ion: 114 Resp: 240968

Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.4

88 15.6 0.0 33.0



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

8.71

150000

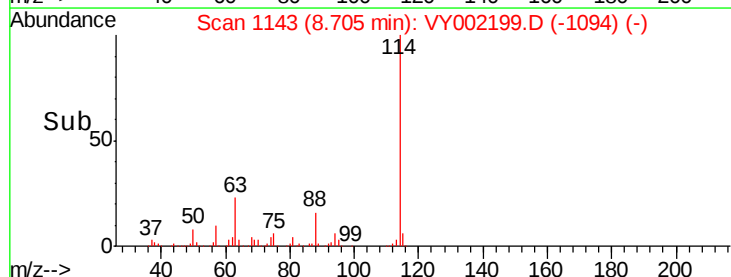
100000

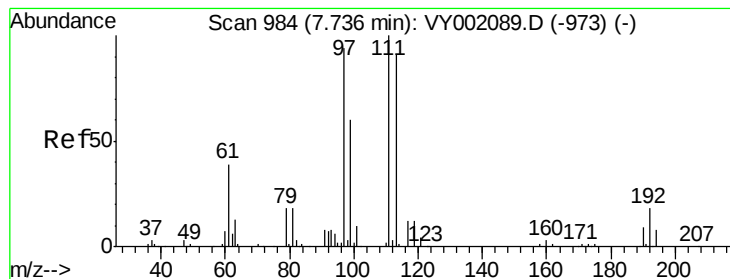
50000

0

8.60 8.65 8.70 8.75 8.80

Time-->





#35

Dibromofluoromethane

Concen: 52.586 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002199.D

Acq: 02 Apr 2020 17:51

Instrument :

MSVOA_Y

ClientSampleId :

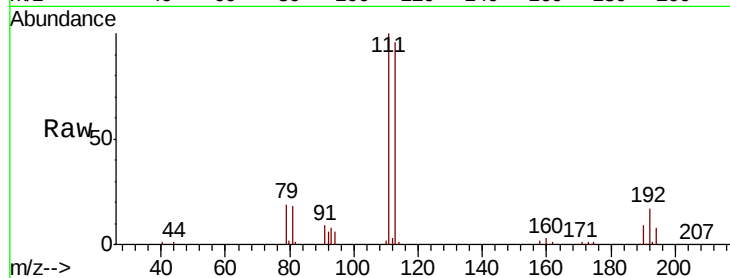
Tot Ion:113 Resp: 71000

Ion Ratio Lower Upper

113 100

111 103.2 84.4 126.6

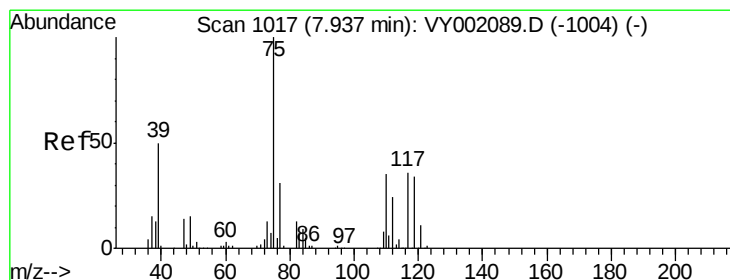
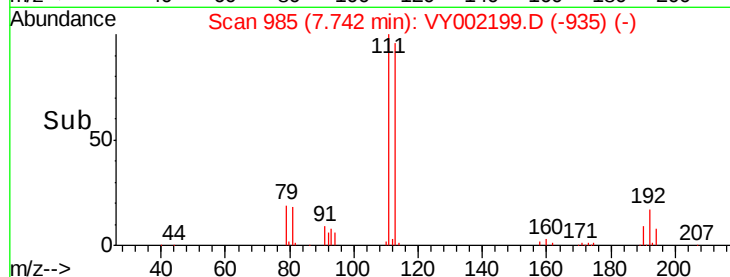
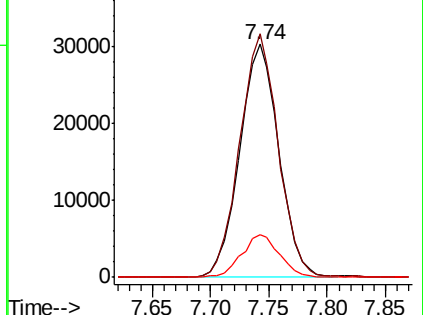
192 17.8 14.6 21.8



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: 4.722 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY002199.D

Acq: 02 Apr 2020 17:51

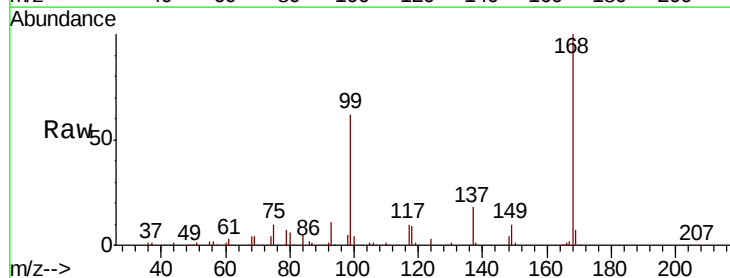
Tgt Ion: 75 Resp: 10762

Ion Ratio Lower Upper

75 100

110 7.4 17.2 51.6#

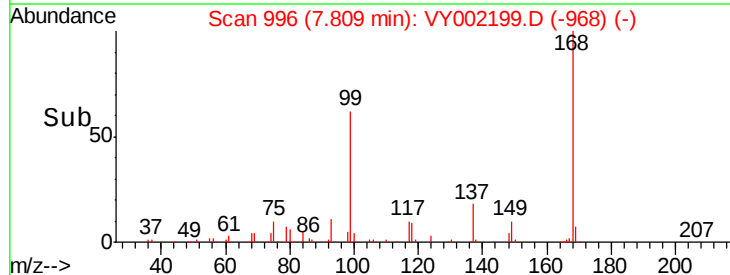
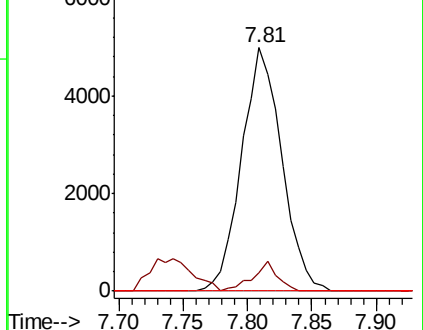
77 0.0 24.7 37.1#

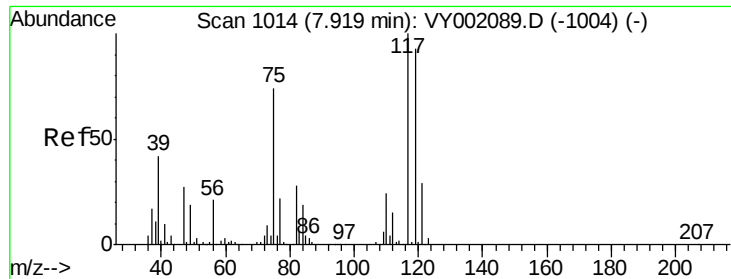


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

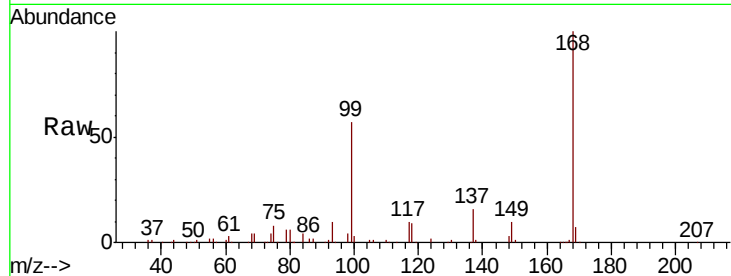




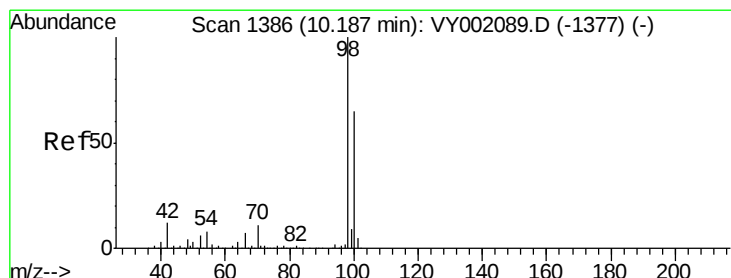
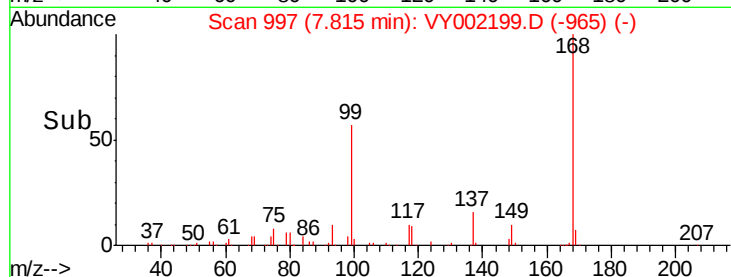
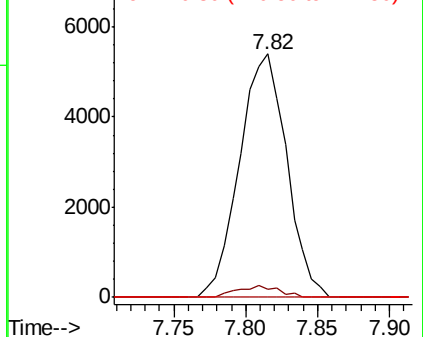
#38
Carbon Tetrachloride
Concen: 6.343 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.10 min
Lab File: VY002199.D
Acq: 02 Apr 2020 17:51

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 12266
Ion Ratio Lower Upper
117 100
119 3.2 74.3 111.5#
121 0.0 23.3 34.9#

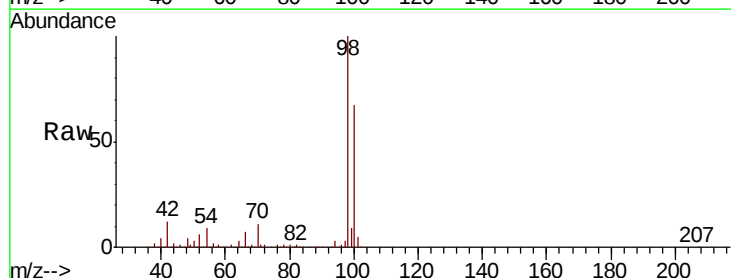


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

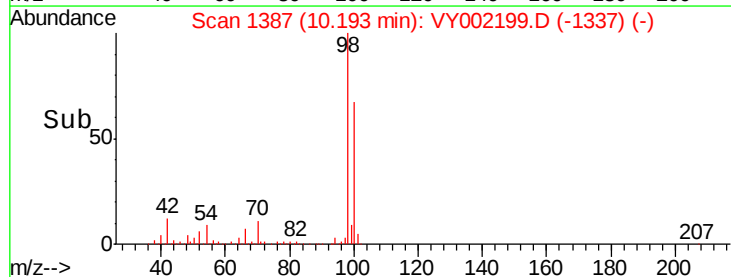
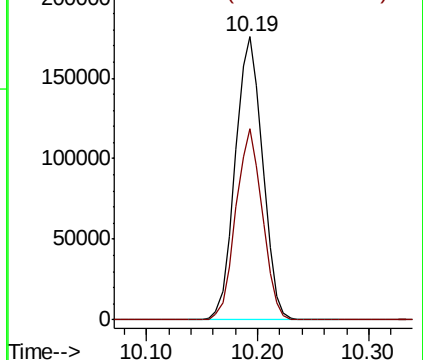


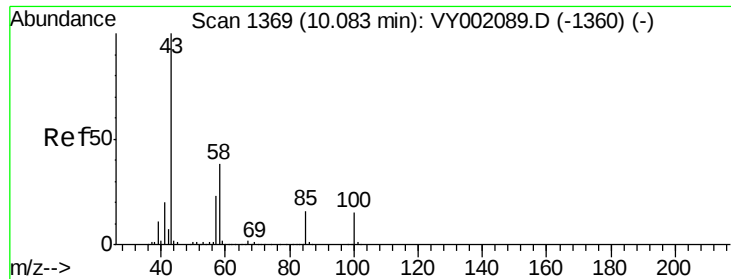
#50
Toluene-d8
Concen: 53.044 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY002199.D
Acq: 02 Apr 2020 17:51

Tgt Ion: 98 Resp: 297525
Ion Ratio Lower Upper
98 100
100 66.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 1.011 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY002199.D

Acq: 02 Apr 2020 17:51

Instrument :

MSVOA_Y

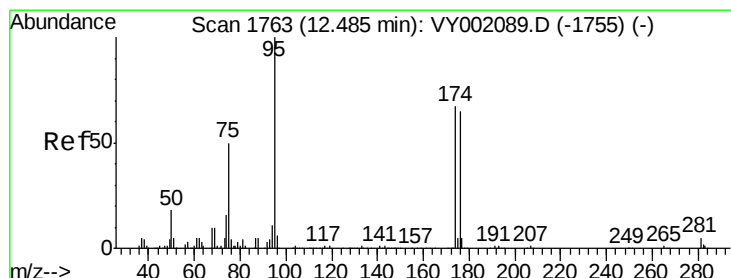
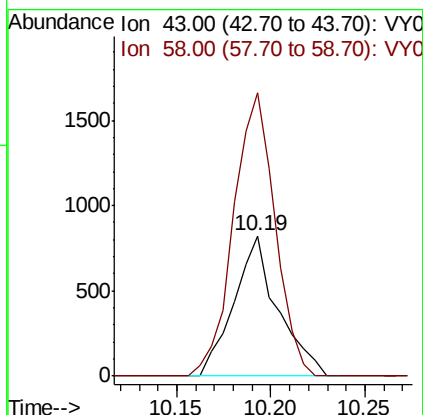
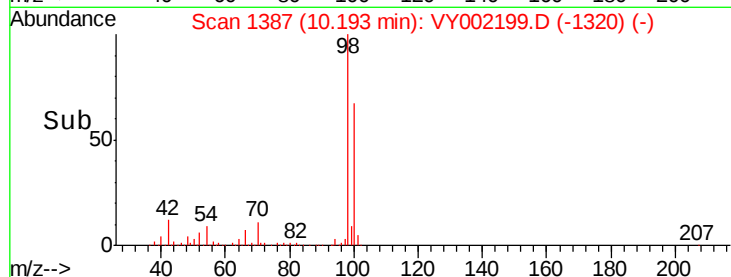
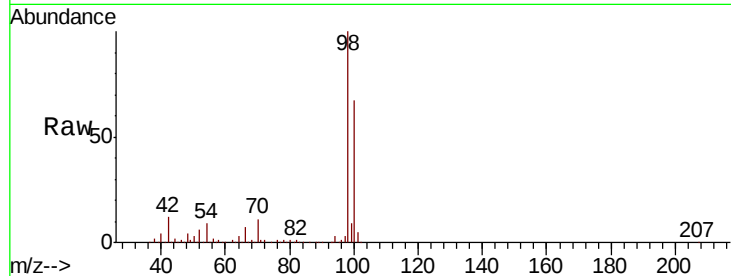
ClientSampleId :

Tot Ion: 43 Resp: 1331

Ion Ratio Lower Upper

43 100

58 190.5 31.6 47.4#



#62

4-Bromofluorobenzene

Concen: 53.651 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002199.D

Acq: 02 Apr 2020 17:51

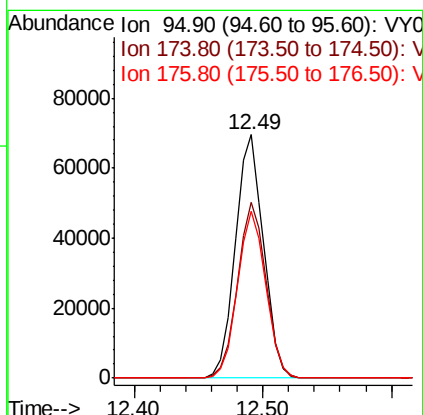
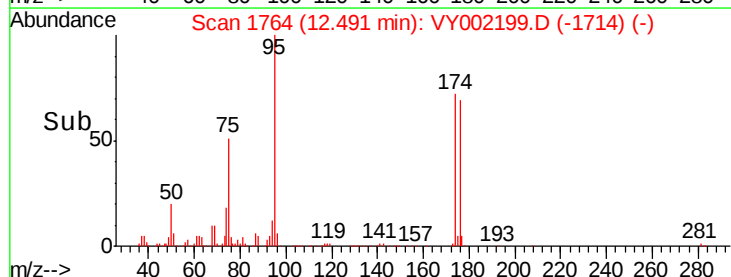
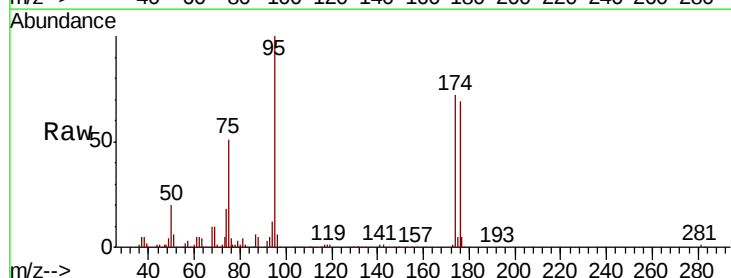
Tgt Ion: 95 Resp: 105244

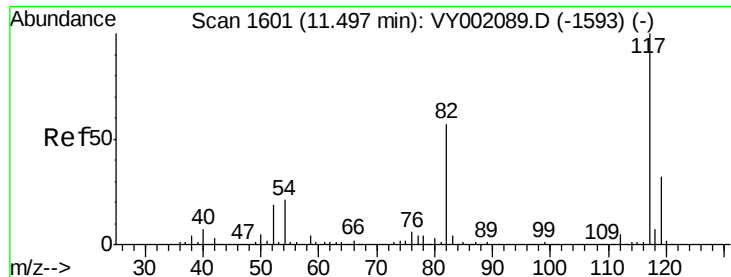
Ion Ratio Lower Upper

95 100

174 72.6 0.0 143.4

176 68.7 0.0 137.0

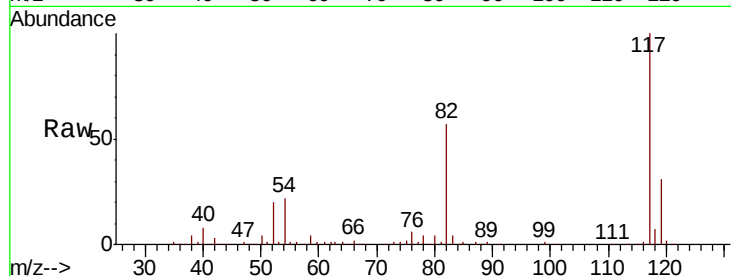




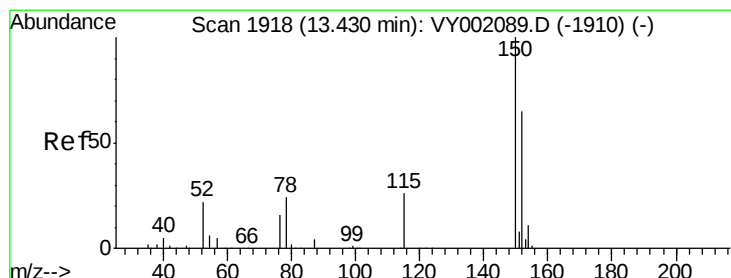
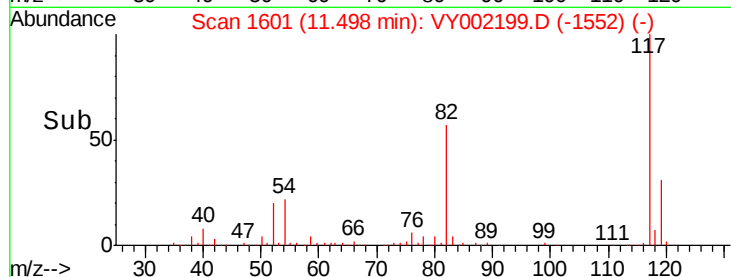
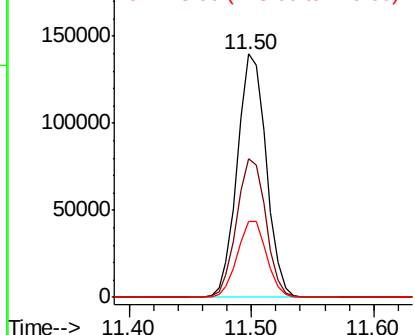
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002199.D
Acq: 02 Apr 2020 17:51

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 228586
Ion Ratio Lower Upper
117 100
82 57.1 45.4 68.2
119 31.2 25.3 37.9

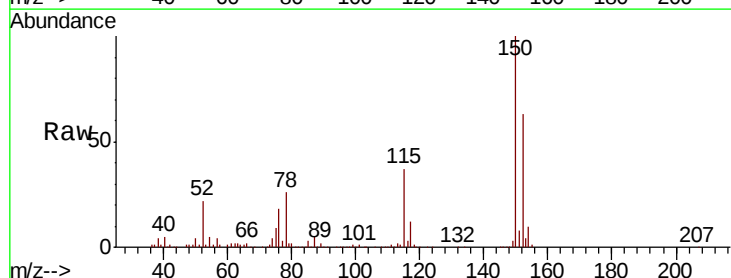


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

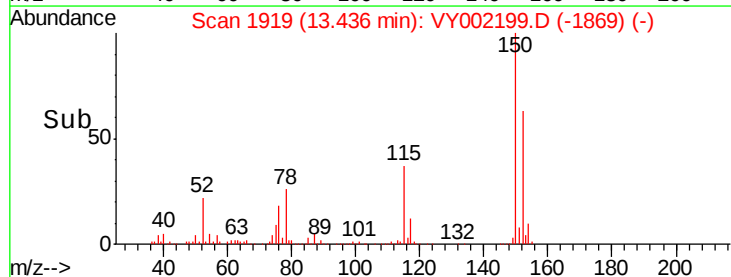
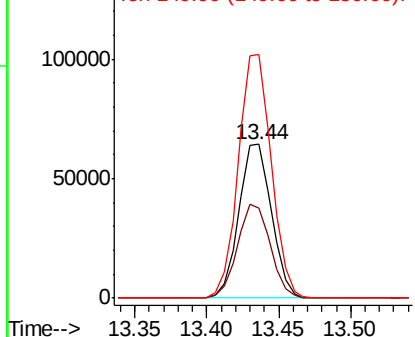


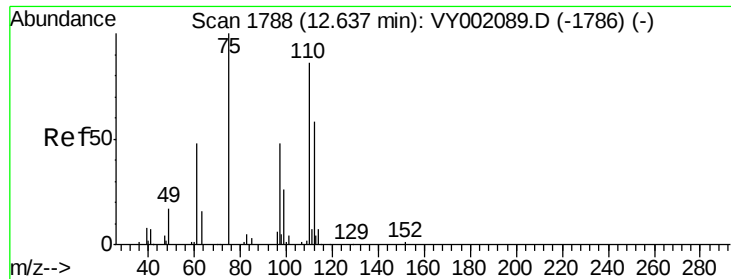
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002199.D
Acq: 02 Apr 2020 17:51

Tgt Ion:152 Resp: 101370
Ion Ratio Lower Upper
152 100
115 61.3 31.2 93.6
150 159.6 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: 48.008 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002199.D

Acq: 02 Apr 2020 17:51

Instrument :

MSVOA_Y

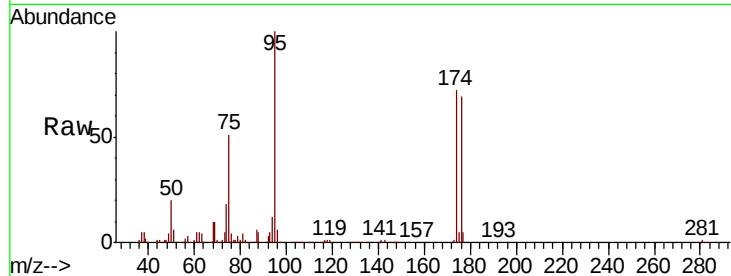
ClientSampleId :

Tot Ion: 75 Resp: 54437

Ion Ratio Lower Upper

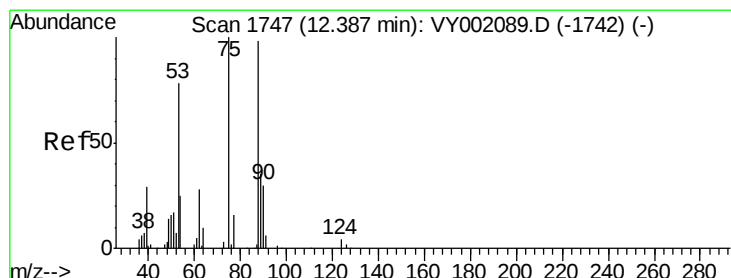
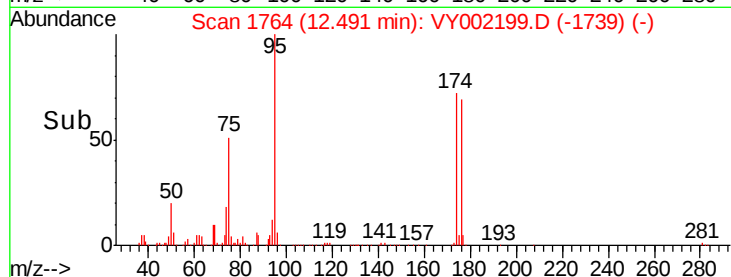
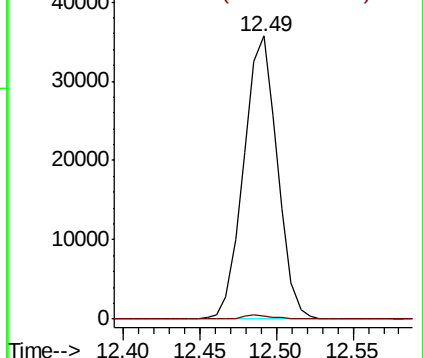
75 100

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: 93.008 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002199.D

Acq: 02 Apr 2020 17:51

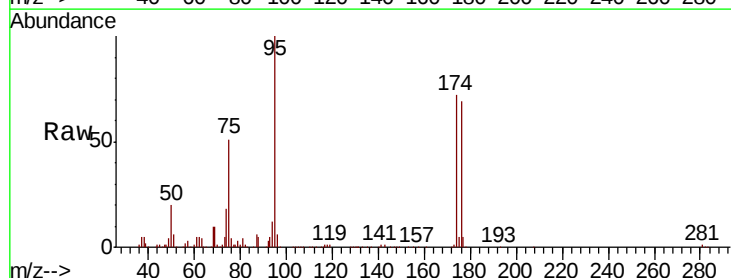
Tgt Ion: 75 Resp: 54437

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

89 0.0 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

