

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
 Data File : VY001162.D
 Acq On : 10 Jan 2020 21:02
 Operator : SY/MD
 Sample : L1046-01
 Misc : 8.09G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CIY1-SB-04-0-2

Quant Time: Jan 11 03:08:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	66469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	111771	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	89925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	37427	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	28359	40.40	ug/l	0.00
Spiked Amount			Recovery	=	80.80%	
35) Dibromofluoromethane	7.73	113	31135	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
50) Toluene-d8	10.18	98	129358	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
62) 4-Bromofluorobenzene	12.48	95	41231	40.00	ug/l	0.00
Spiked Amount			Recovery	=	80.00%	

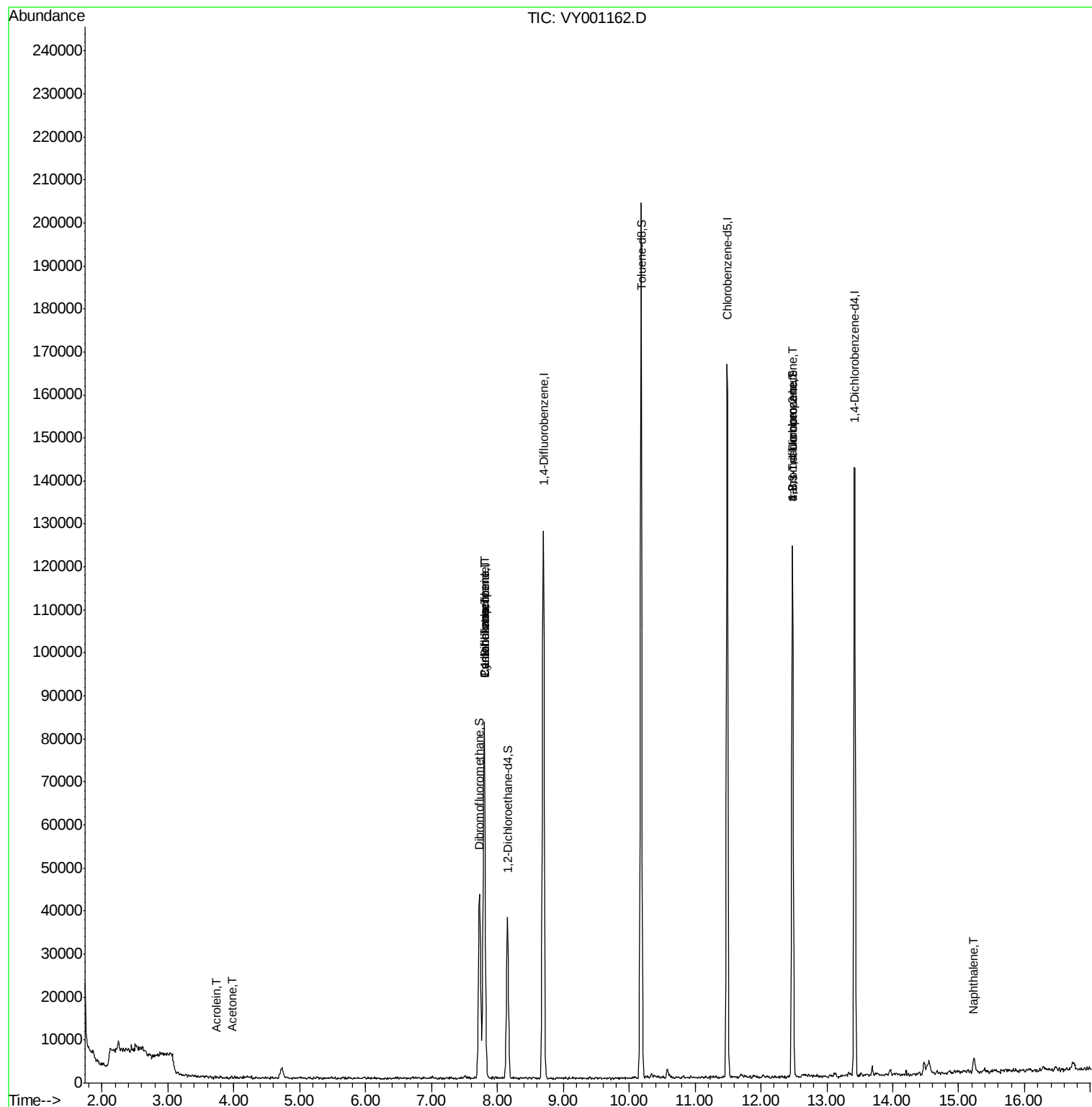
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.73	56	73	1.148	ug/l #	14
16) Acetone	3.97	43	618	3.790	ug/l	96
20) Methylene Chloride	4.74	84	2062	Below Cal	#	77
31) Cyclohexane	7.80	56	1671	1.231	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	5106	5.012	ug/l #	49
38) Carbon Tetrachloride	7.80	117	6266	6.712	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	19416	48.460	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	19416	82.178	ug/l #	6
95) Naphthalene	15.23	128	2102	1.254	ug/l	97

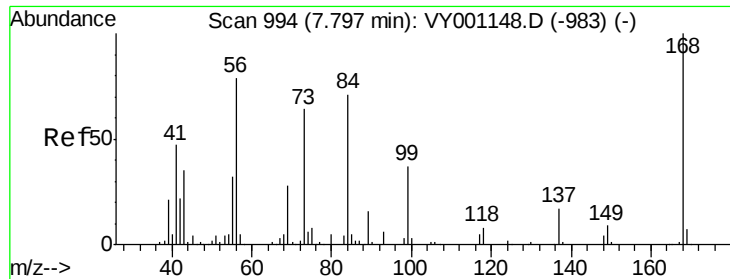
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
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Quant Title : SW846 8260
QLast Update : Fri Jan 10 16:01:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001162.D

Acq: 10 Jan 2020 21:02

Instrument :

MSVOA_Y

ClientSampleId :

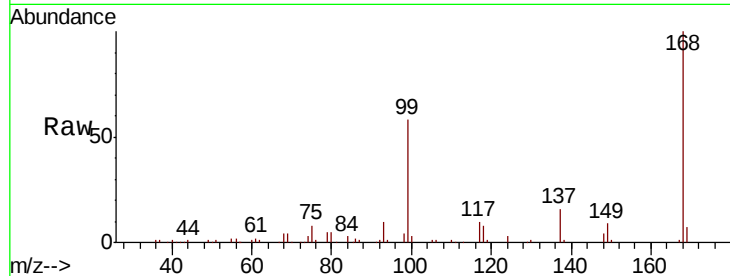
CIY1-SB-04-0-2

Tot Ion:168 Resp: 66469

Ion Ratio Lower Upper

168 100

99 58.1 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

7.80

30000

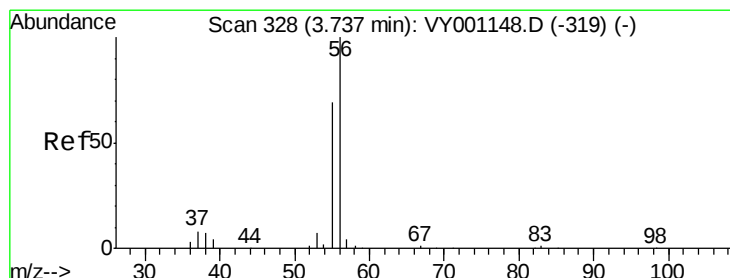
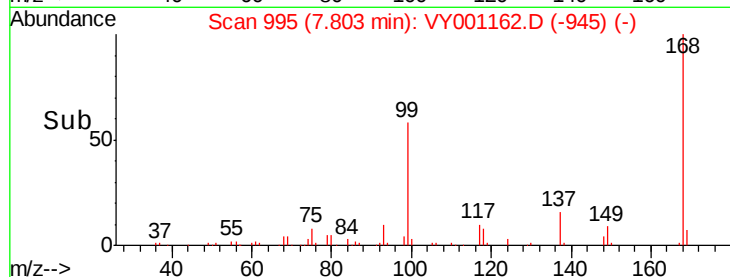
20000

10000

0

Time-->

7.70 7.80 7.90



#13

Acrolein

Concen: 1.148 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.01 min

Lab File: VY001162.D

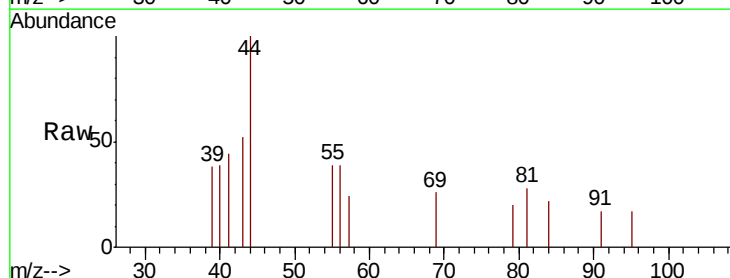
Acq: 10 Jan 2020 21:02

Tgt Ion: 56 Resp: 73

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VY001148.D (-319) (-)

Ion 55.00 (54.70 to 55.70): VY001148.D (-319) (-)

3.73

150

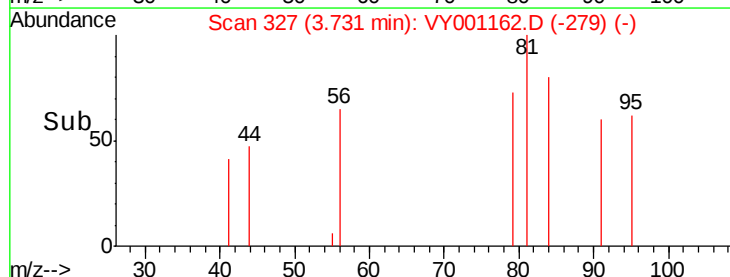
100

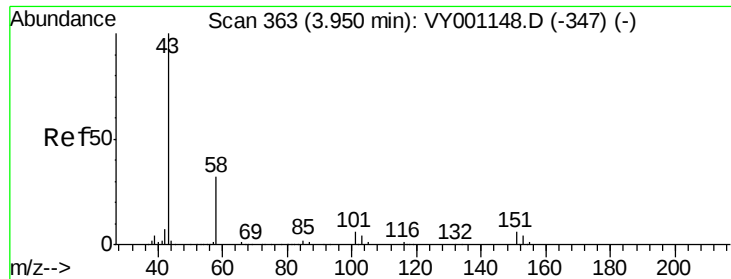
50

0

Time-->

3.72 3.73 3.74





#16

Acetone

Concen: 3.790 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY001162.D

Acq: 10 Jan 2020 21:02

Instrument :

MSVOA_Y

ClientSampleId :

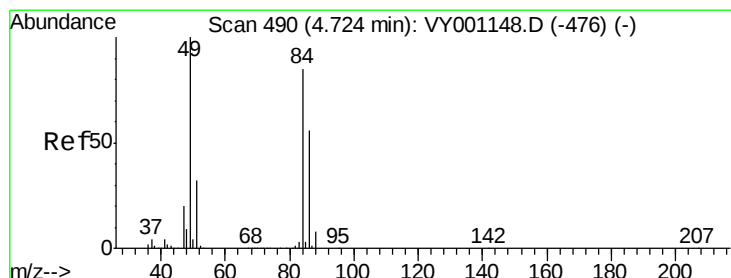
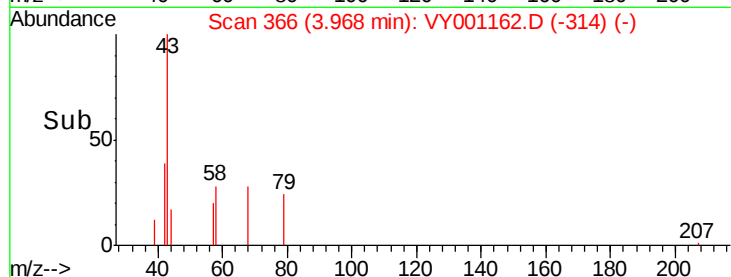
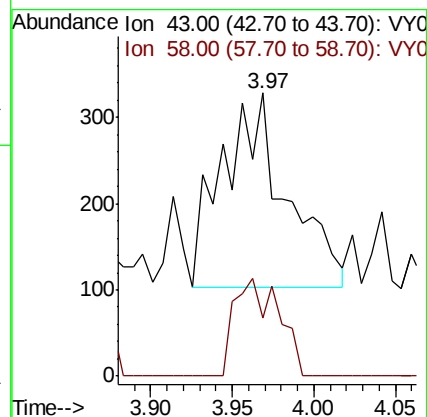
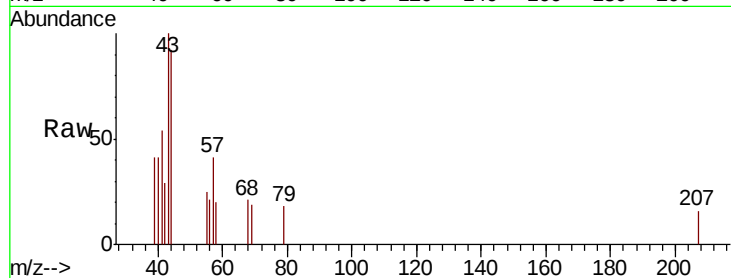
CIY1-SB-04-0-2

Tot Ion: 43 Resp: 618

Ion Ratio Lower Upper

43 100

58 29.8 25.8 38.6



#20

Methylene Chloride

Concen: Below Cal

RT: 4.74 min Scan# 492

Delta R.T. 0.01 min

Lab File: VY001162.D

Acq: 10 Jan 2020 21:02

Tgt Ion: 84 Resp: 2062

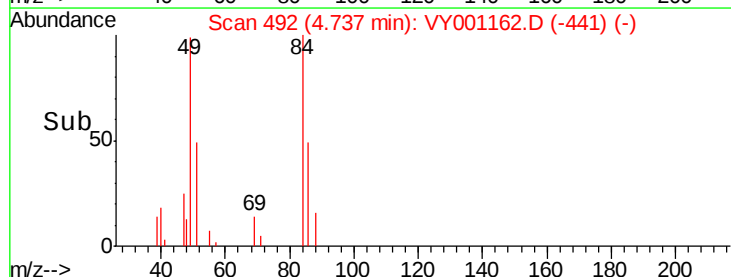
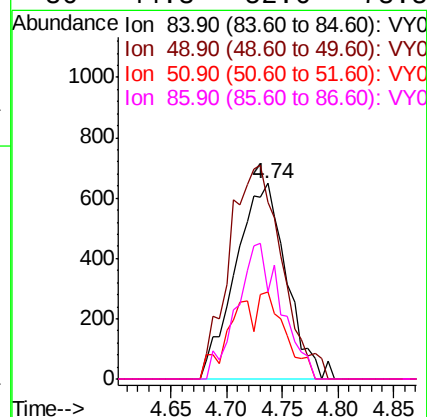
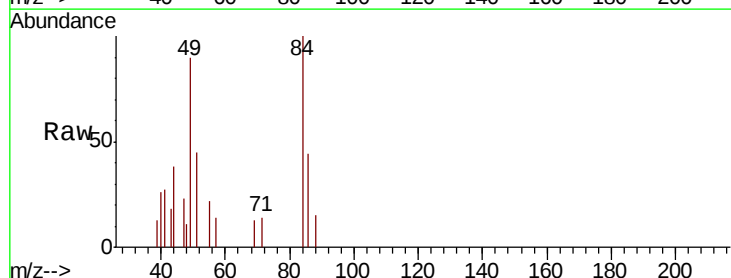
Ion Ratio Lower Upper

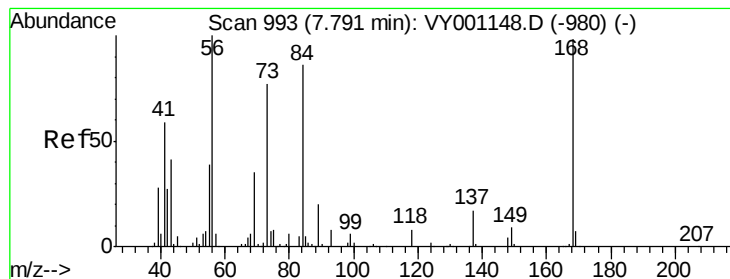
84 100

49 90.1 93.8 140.6#

51 44.8 29.9 44.9

86 44.3 52.6 78.8#





#31

Cvclohexane

Concen: 1.231 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY001162.D

Acq: 10 Jan 2020 21:02

Instrument :

MSVOA_Y

ClientSampleId :

CIY1-SB-04-0-2

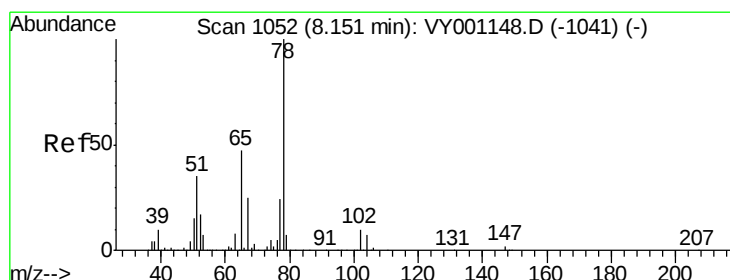
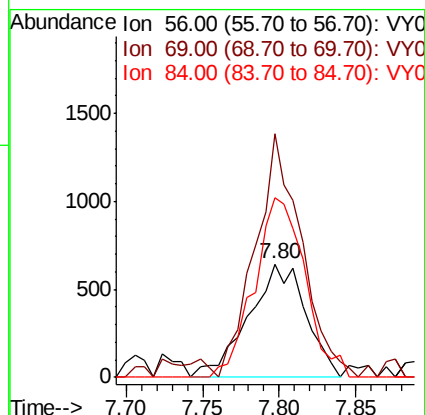
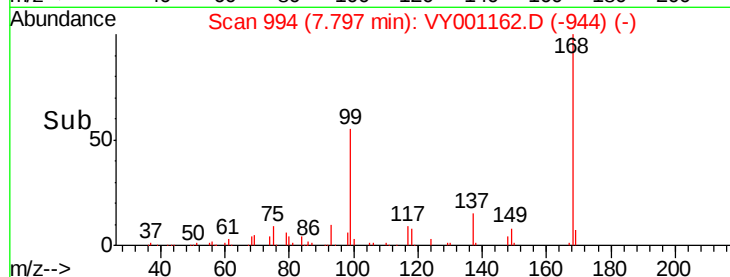
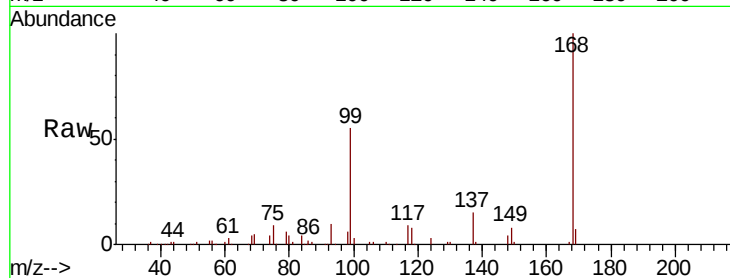
Tot Ion: 56 Resp: 1671

Ion Ratio Lower Upper

56 100

69 202.5 27.8 41.8#

84 158.6 68.9 103.3#



#33

1,2-Dichloroethane-d4

Concen: 40.396 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001162.D

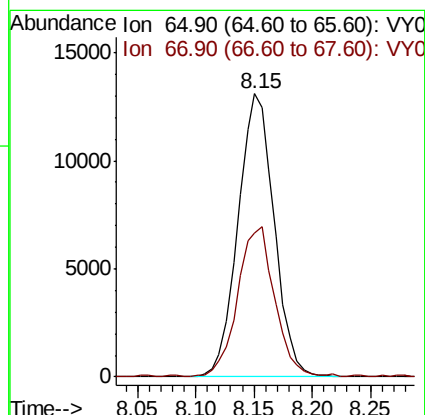
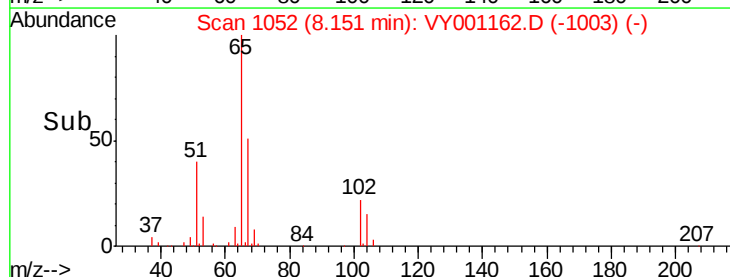
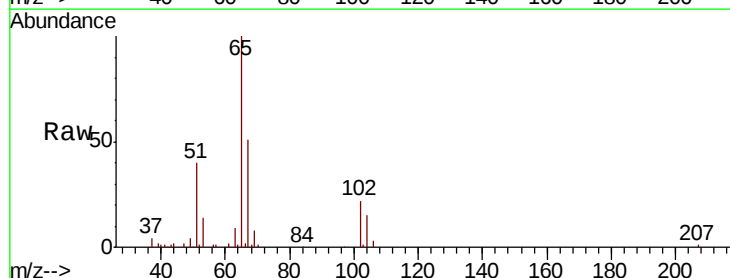
Acq: 10 Jan 2020 21:02

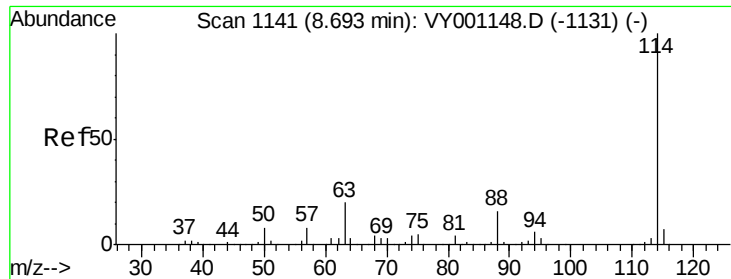
Tgt Ion: 65 Resp: 28359

Ion Ratio Lower Upper

65 100

67 54.5 0.0 105.2

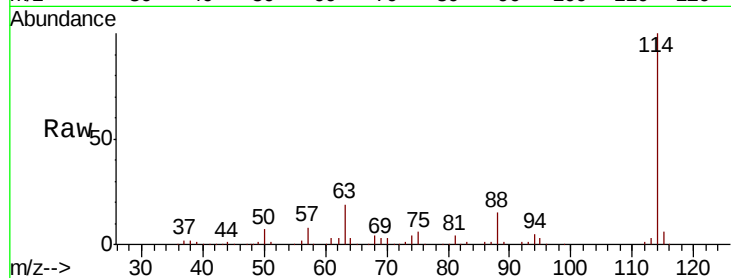




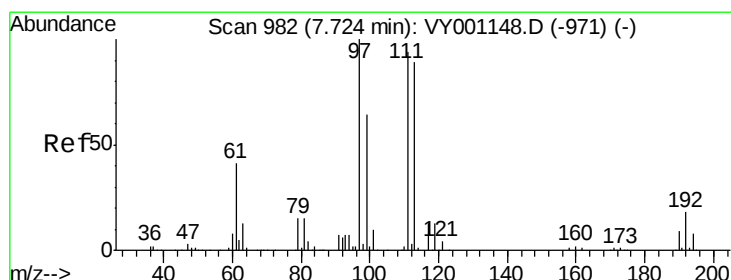
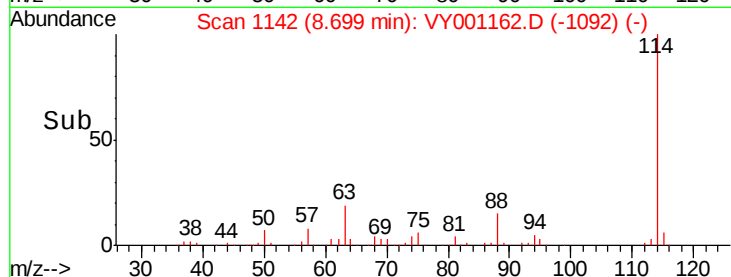
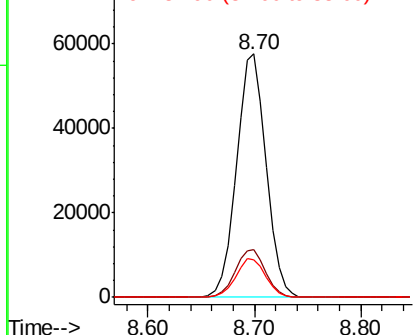
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VY001162.D
Acq: 10 Jan 2020 21:02

Instrument :
MSVOA_Y
ClientSampleId :
CIY1-SB-04-0-2

Tot Ion:114 Resp: 111771
Ion Ratio Lower Upper
114 100
63 19.5 0.0 40.8
88 15.2 0.0 32.4

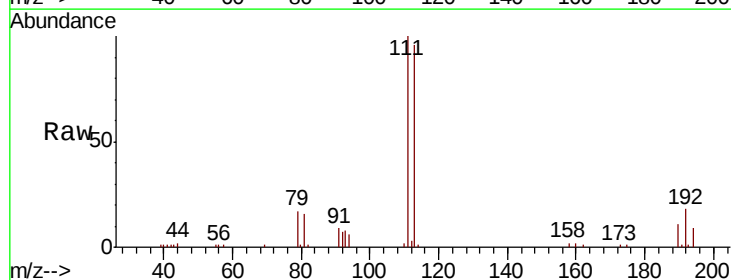


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

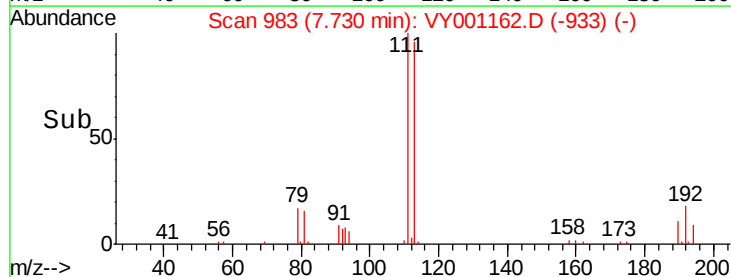
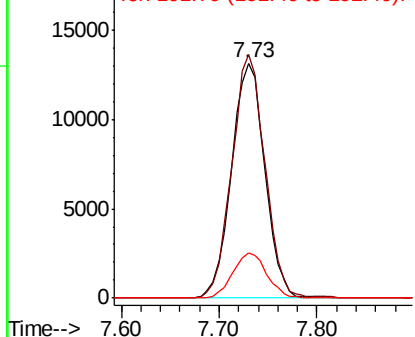


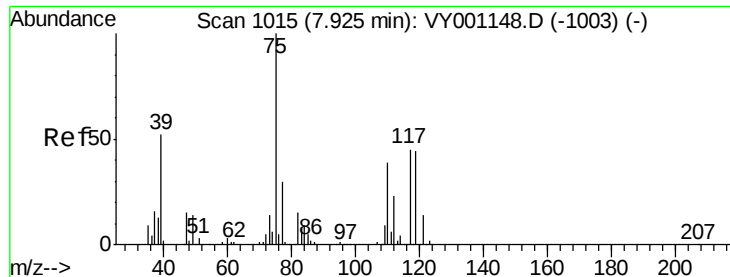
#35
Dibromofluoromethane
Concen: 47.577 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.01 min
Lab File: VY001162.D
Acq: 10 Jan 2020 21:02

Tgt Ion:113 Resp: 31135
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 19.5 15.4 23.2



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: 5.012 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY001162.D

Acq: 10 Jan 2020 21:02

Instrument :

MSVOA_Y

ClientSampleId :

CIY1-SB-04-0-2

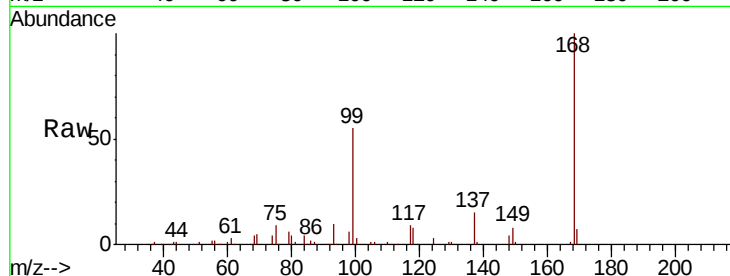
Tot Ion: 75 Resp: 5106

Ion Ratio Lower Upper

75 100

110 9.4 18.3 54.8#

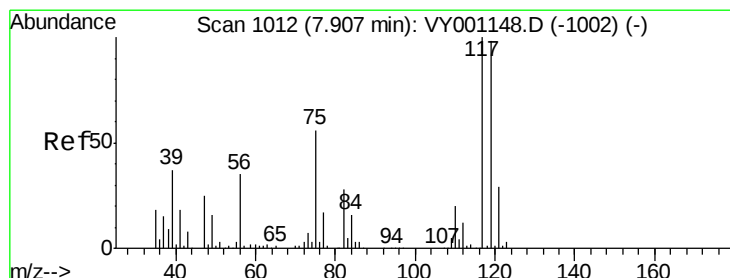
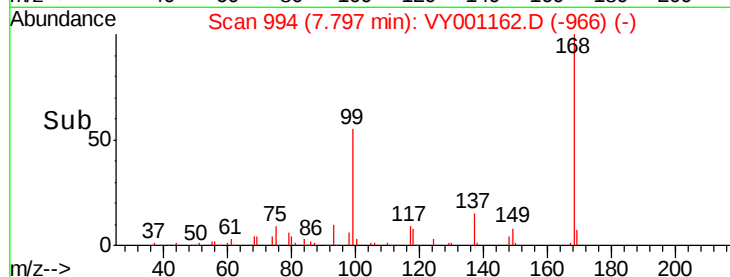
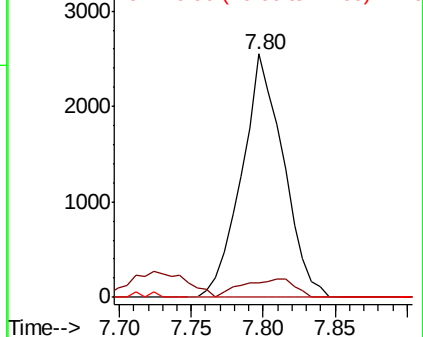
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VY001148.D (-1003) (-)

Ion 109.90 (109.60 to 110.60): VY001148.D (-1003) (-)

Ion 76.90 (76.60 to 77.60): VY001148.D (-1003) (-)



#38

Carbon Tetrachloride

Concen: 6.712 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.10 min

Lab File: VY001162.D

Acq: 10 Jan 2020 21:02

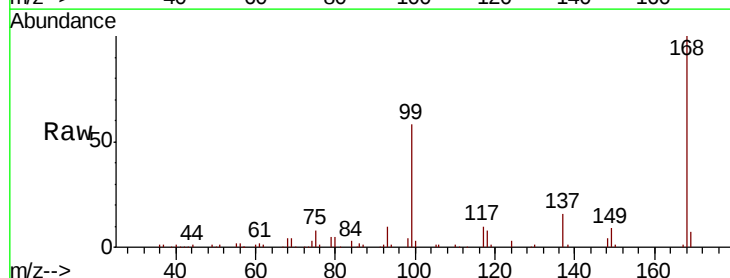
Tgt Ion: 117 Resp: 6266

Ion Ratio Lower Upper

117 100

119 5.4 78.3 117.5#

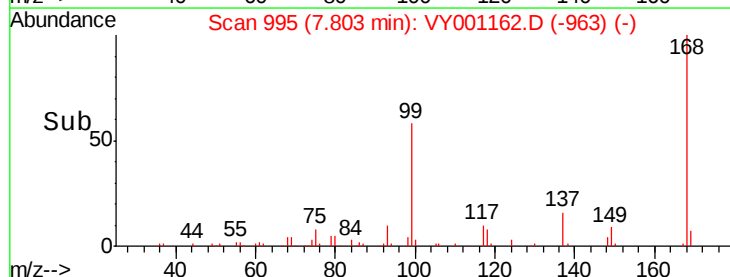
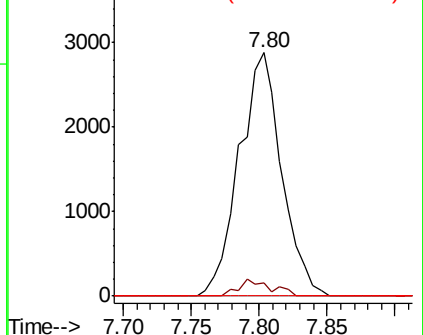
121 0.0 23.5 35.3#

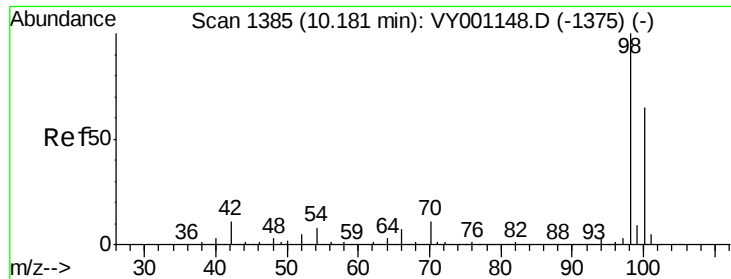


Abundance Ion 116.80 (116.50 to 117.50): VY001148.D (-1002) (-)

Ion 118.80 (118.50 to 119.50): VY001148.D (-1002) (-)

Ion 120.80 (120.50 to 121.50): VY001148.D (-1002) (-)





#50

Toluene-d8

Concen: 51.301 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001162.D

Acq: 10 Jan 2020 21:02

Instrument :

MSVOA_Y

ClientSampleId :

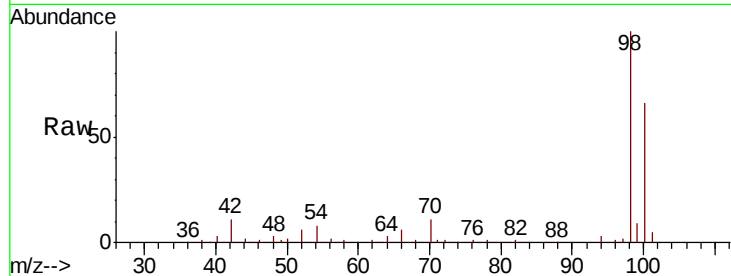
CIY1-SB-04-0-2

Tot Ion: 98 Resp: 129358

Ion Ratio Lower Upper

98 100

100 66.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY001148.D (-1375) (-)

Ion 100.00 (99.70 to 100.70): VY001148.D (-1375) (-)

10.18

80000

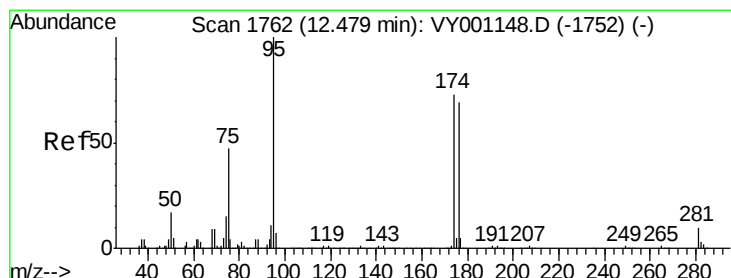
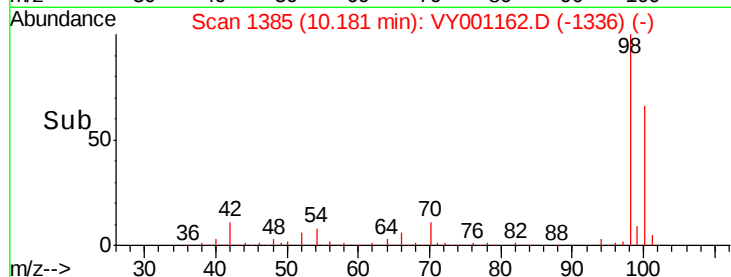
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 39.995 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY001162.D

Acq: 10 Jan 2020 21:02

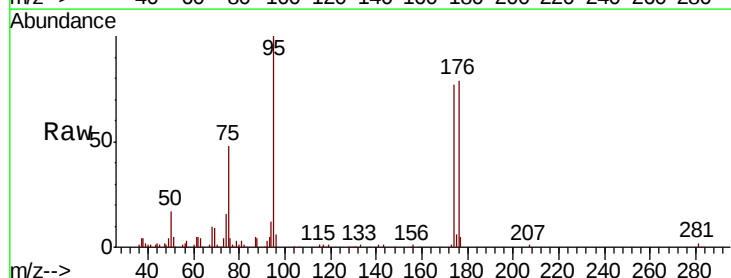
Tgt Ion: 95 Resp: 41231

Ion Ratio Lower Upper

95 100

174 73.6 0.0 143.2

176 71.9 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VY001148.D (-1752) (-)

Ion 173.80 (173.50 to 174.50): VY001148.D (-1752) (-)

Ion 175.80 (175.50 to 176.50): VY001148.D (-1752) (-)

12.48

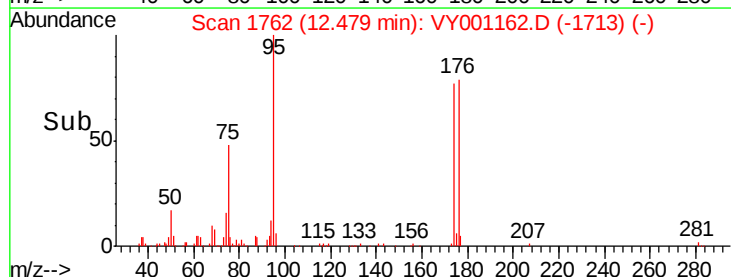
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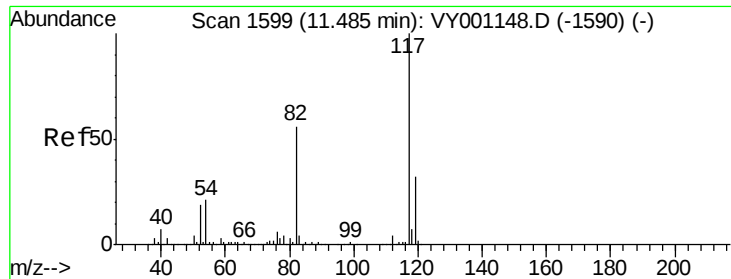
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Time-->

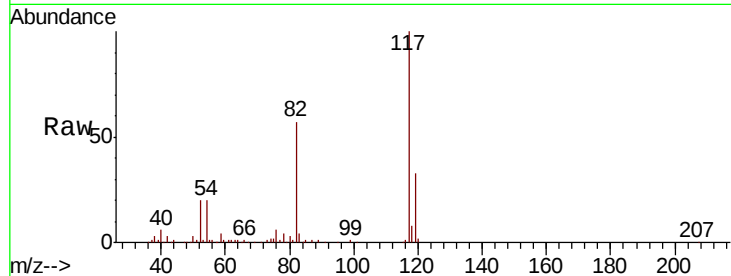




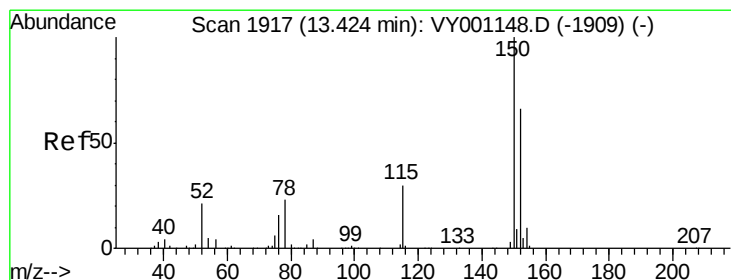
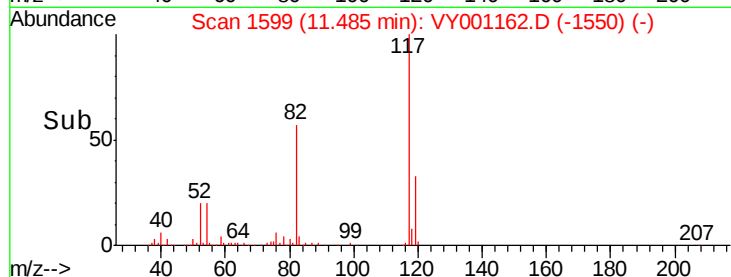
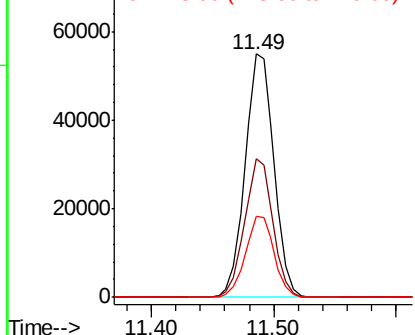
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VY001162.D
Acq: 10 Jan 2020 21:02

Instrument :
MSVOA_Y
ClientSampleId :
CIY1-SB-04-0-2

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	44.9	67.3
119	33.3	25.7	38.5

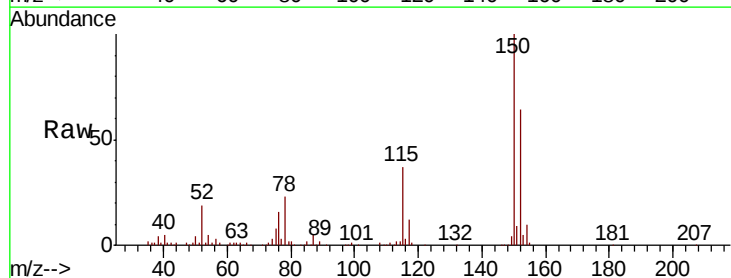


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

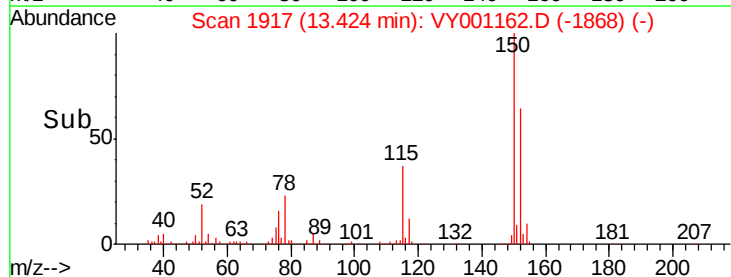
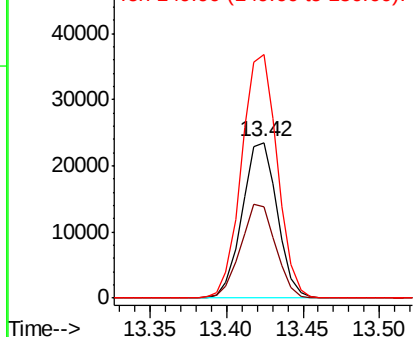


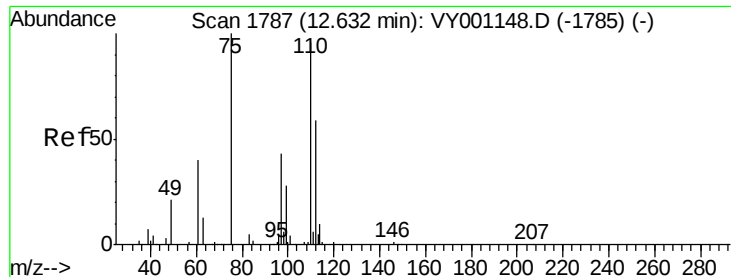
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001162.D
Acq: 10 Jan 2020 21:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.9	92.5
150	159.2	0.0	346.8



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: 48.460 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001162.D

Acq: 10 Jan 2020 21:02

Instrument :

MSVOA_Y

ClientSampleId :

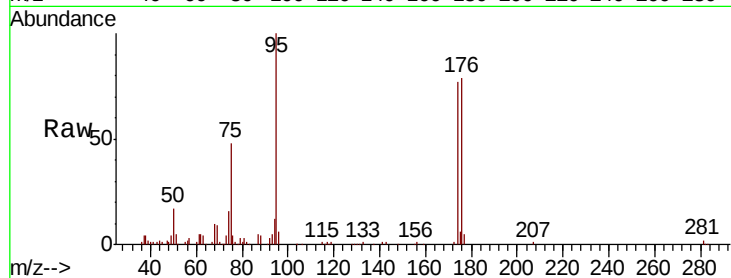
CIY1-SB-04-0-2

Tot Ion: 75 Resp: 19416

Ion Ratio Lower Upper

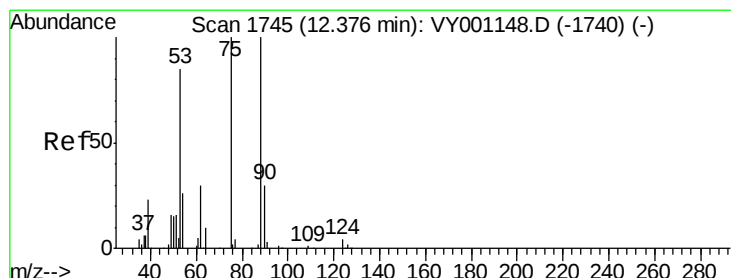
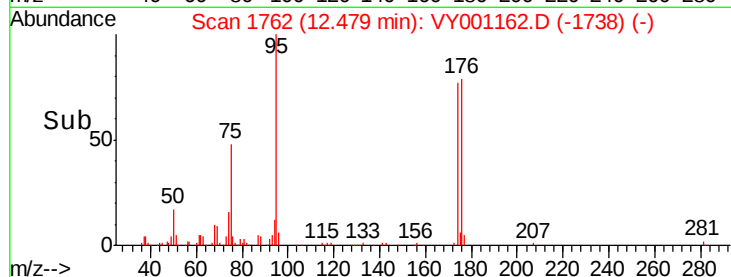
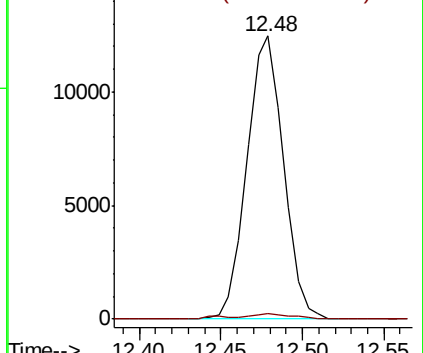
75 100

77 2.2 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: 82.178 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001162.D

Acq: 10 Jan 2020 21:02

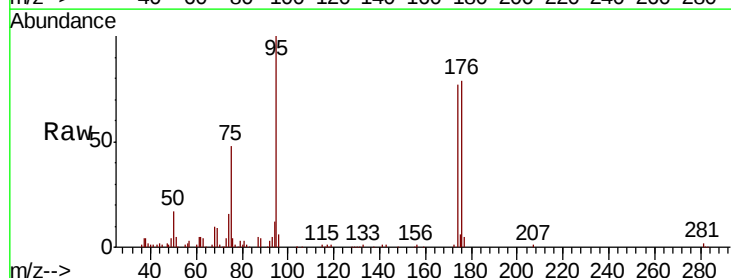
Tgt Ion: 75 Resp: 19416

Ion Ratio Lower Upper

75 100

53 0.3 69.4 104.2#

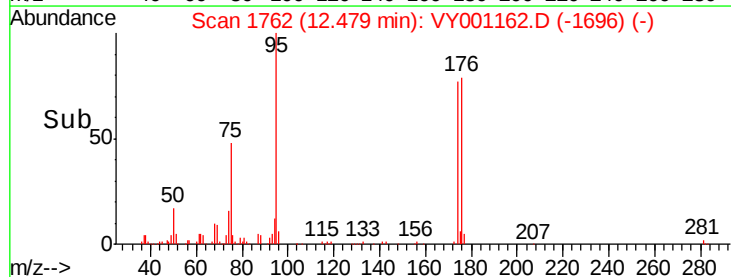
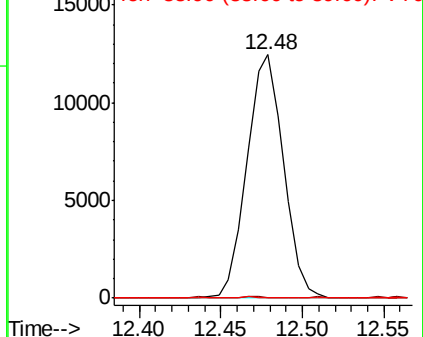
89 0.1 0.0 0.0#

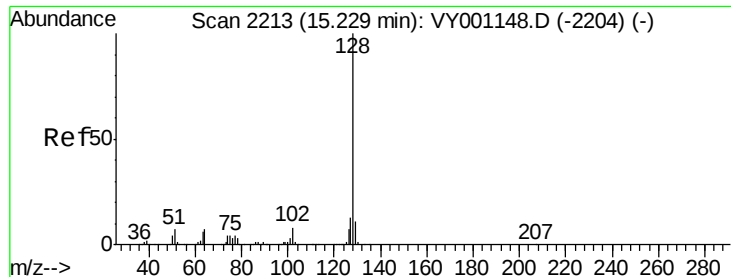


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#95
Naphthalene
Concen: 1.254 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VY001162.D
Acq: 10 Jan 2020 21:02

Instrument :
MSVOA_Y
ClientSampleId :
CIY1-SB-04-0-2

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.2	15.4
129	11.8	8.5	12.7

