

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072420\
 Data File : VY003348.D
 Acq On : 24 Jul 2020 21:38
 Operator : SY/MD
 Sample : L3436-16
 Misc : 6.81G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 16

Quant Time: Jul 25 01:43:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	435352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	670658	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	580651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	232108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	214965	58.50	ug/l	0.00
Spiked Amount			Recovery	=	117.00%	
35) Dibromofluoromethane	7.72	113	209843	54.37	ug/l	0.00
Spiked Amount			Recovery	=	108.74%	
50) Toluene-d8	10.18	98	793483	55.30	ug/l	0.00
Spiked Amount			Recovery	=	110.60%	
62) 4-Bromofluorobenzene	12.48	95	229783	44.33	ug/l	0.00
Spiked Amount			Recovery	=	88.66%	

Target Compounds

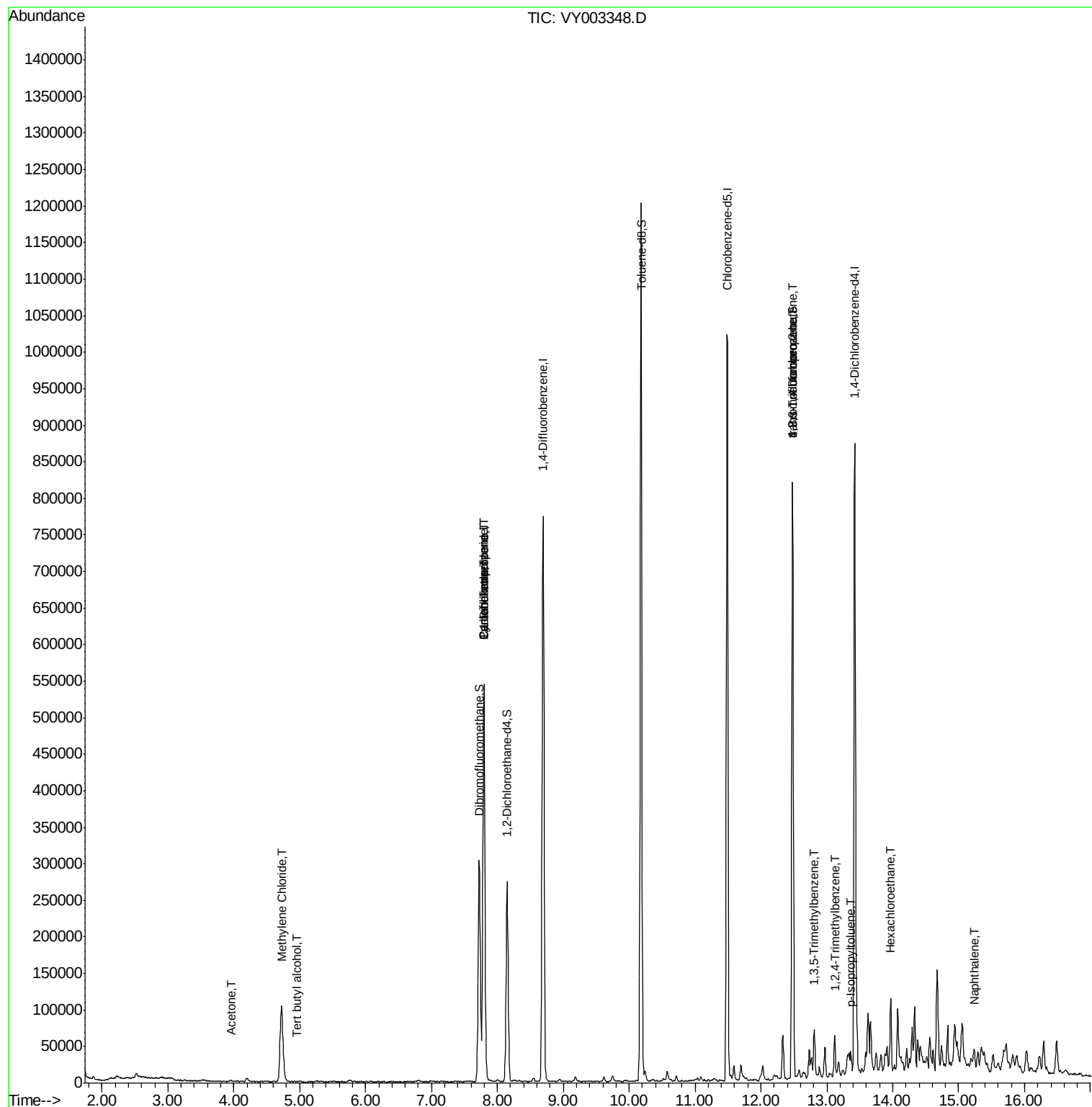
						Qvalue
11) Tert butyl alcohol	4.96	59	409	1.029	ug/l #	72
16) Acetone	3.96	43	3410	4.155	ug/l	98
20) Methylene Chloride	4.72	84	81093	15.888	ug/l	97
31) Cyclohexane	7.79	56	8599	1.287	ug/l #	16
36) 1,1-Dichloropropene	7.80	75	30777	5.063	ug/l #	49
38) Carbon Tetrachloride	7.80	117	39639	6.317	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	117412	57.147	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	28377	2.302	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.48	75	117412	111.219	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	30680	2.473	ug/l	98
86) p-Isopropyltoluene	13.37	119	16142	1.156	ug/l	97
90) Hexachloroethane	13.97	117	5307	2.088	ug/l #	4
95) Naphthalene	15.23	128	19403	2.638	ug/l #	92

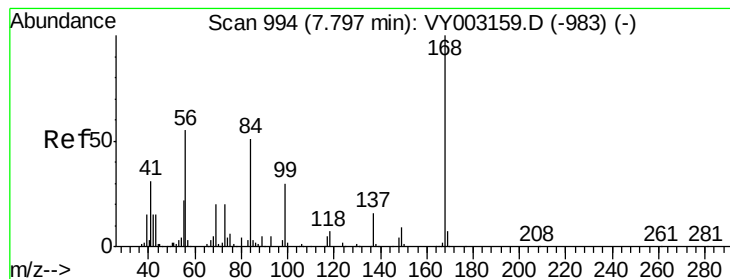
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003348.D

Acq: 24 Jul 2020 21:38

Instrument :

MSVOA_Y

ClientSampleId :

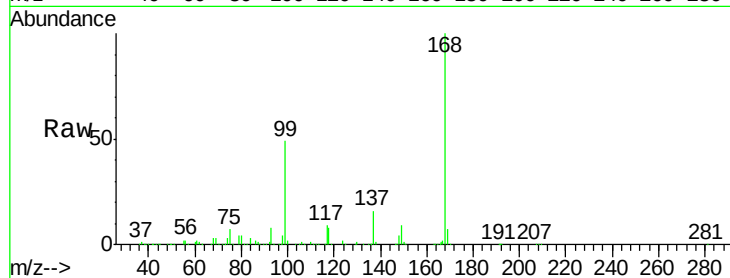
16

Tot Ion:168 Resp: 435352

Ion Ratio Lower Upper

168 100

99 49.4 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003348.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003348.D (-945) (-)

7.80

200000

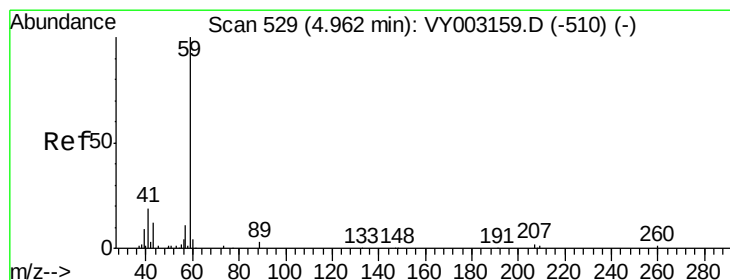
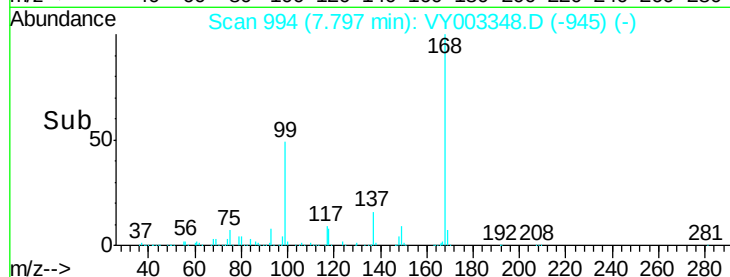
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.029 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY003348.D

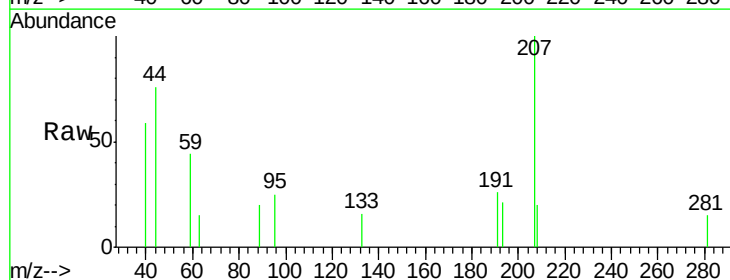
Acq: 24 Jul 2020 21:38

Tgt Ion: 59 Resp: 409

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY003348.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003348.D (-480) (-)

4.96

250

200

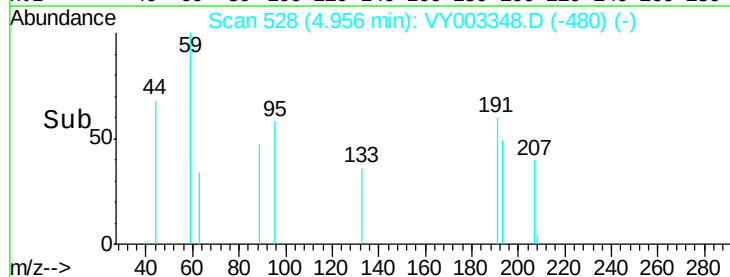
150

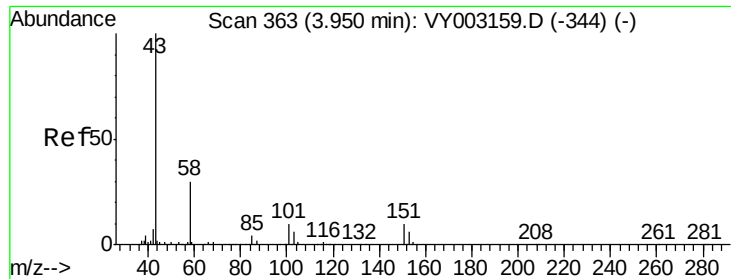
100

50

0

Time-->





#16

Acetone

Concen: 4.155 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003348.D

Acq: 24 Jul 2020 21:38

Instrument :

MSVOA_Y

ClientSampleId :

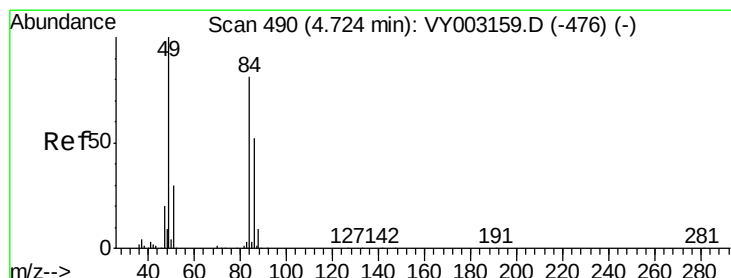
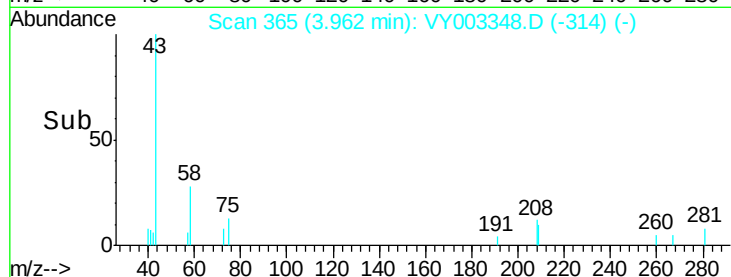
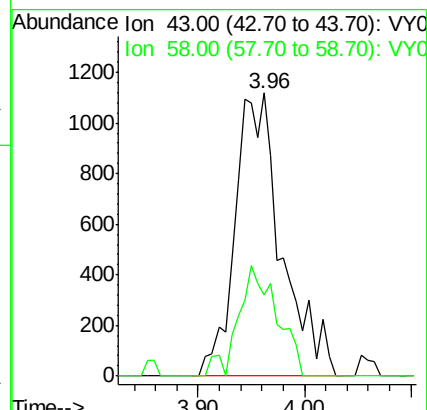
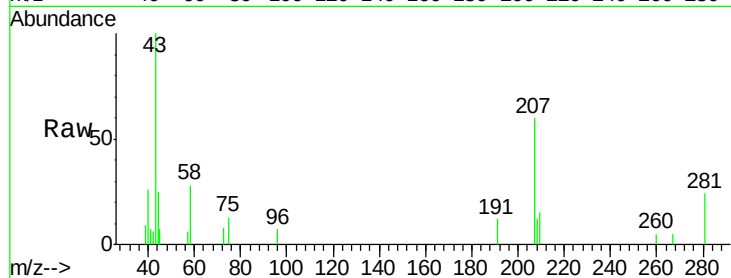
16

Tot Ion: 43 Resp: 3410

Ion Ratio Lower Upper

43 100

58 28.4 23.8 35.6



#20

Methylene Chloride

Concen: 15.888 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003348.D

Acq: 24 Jul 2020 21:38

Tgt Ion: 84 Resp: 81093

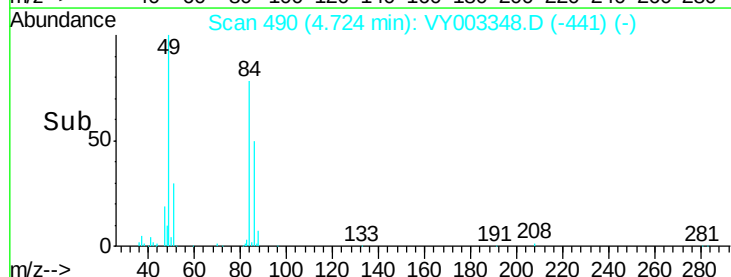
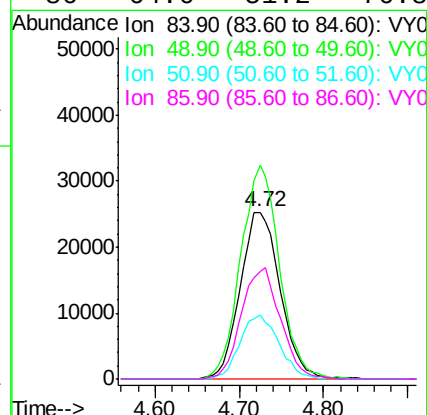
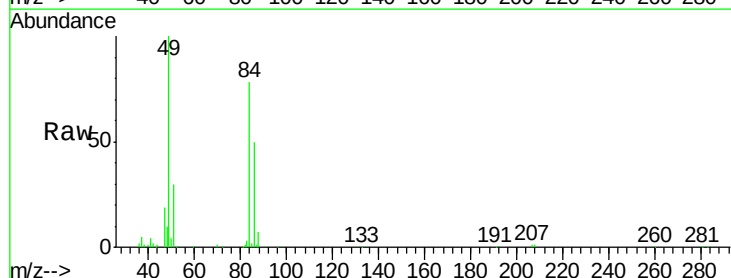
Ion Ratio Lower Upper

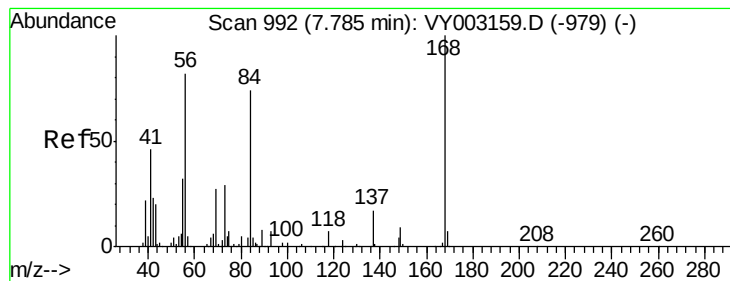
84 100

49 127.7 98.2 147.4

51 38.6 29.8 44.6

86 64.6 51.2 76.8





#31

Cyclohexane

Concen: 1.287 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003348.D

Acq: 24 Jul 2020 21:38

Instrument :

MSVOA_Y

ClientSampleId :

16

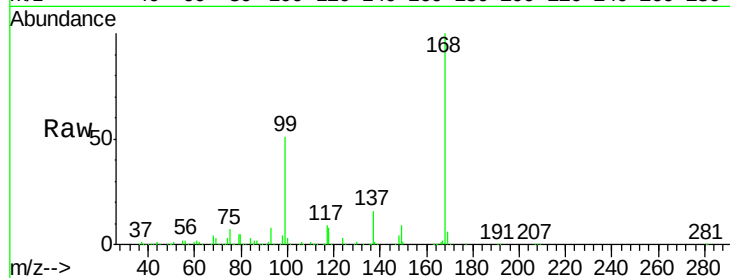
Tot Ion: 56 Resp: 8599

Ion Ratio Lower Upper

56 100

69 138.1 26.7 40.1#

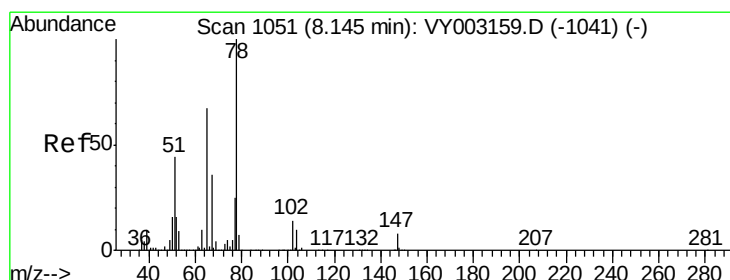
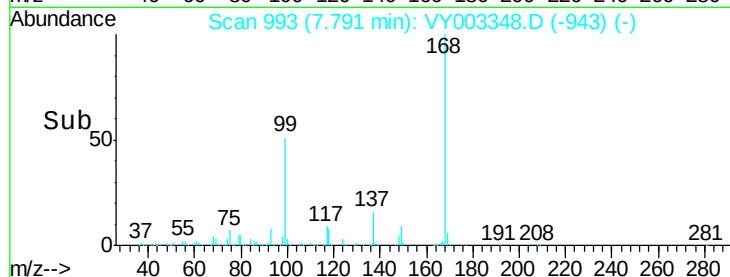
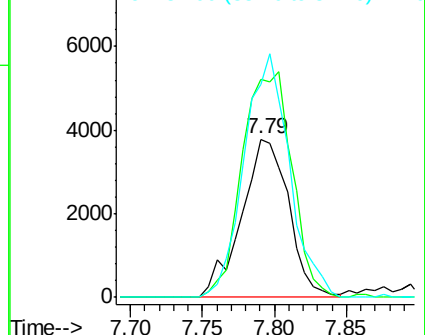
84 135.1 72.3 108.5#



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: 58.502 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003348.D

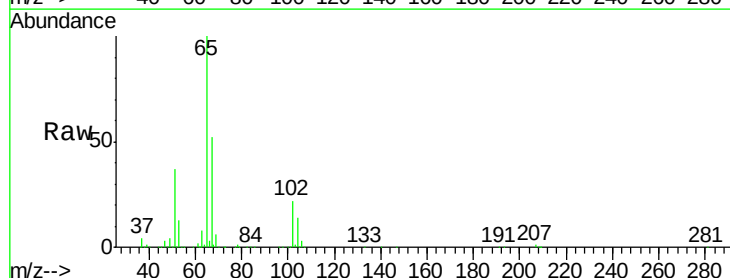
Acq: 24 Jul 2020 21:38

Tgt Ion: 65 Resp: 214965

Ion Ratio Lower Upper

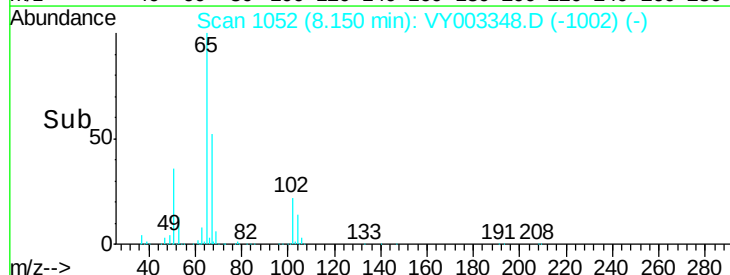
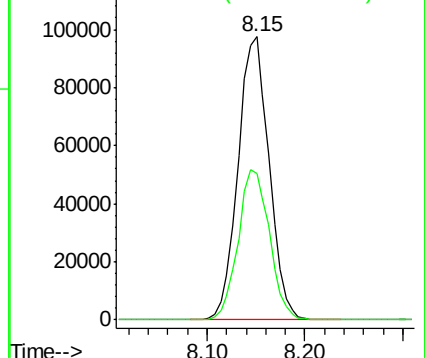
65 100

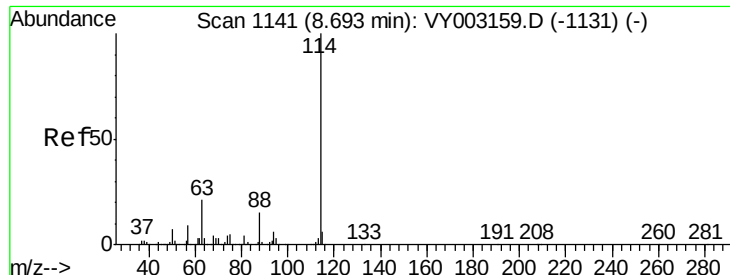
67 53.4 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

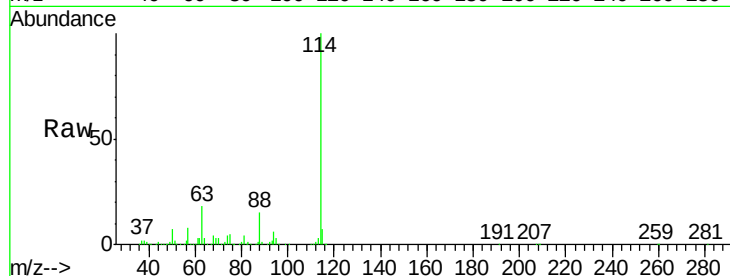




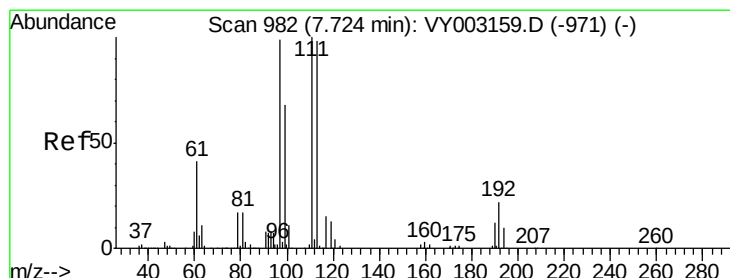
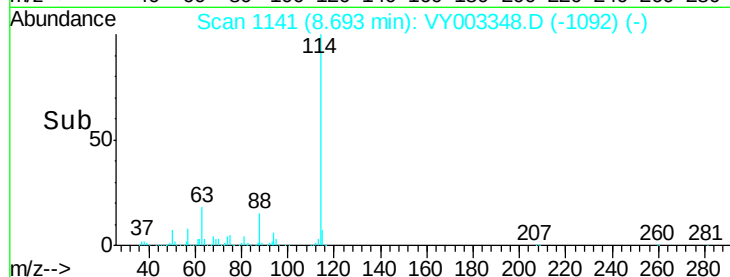
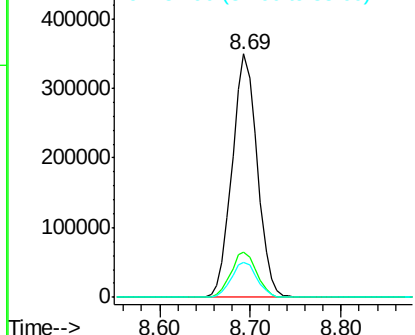
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.69 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VY003348.D
Acq: 24 Jul 2020 21:38

Instrument :
MSVOA_Y
ClientSampleId :
16

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	41.2
88	14.5	0.0	30.2

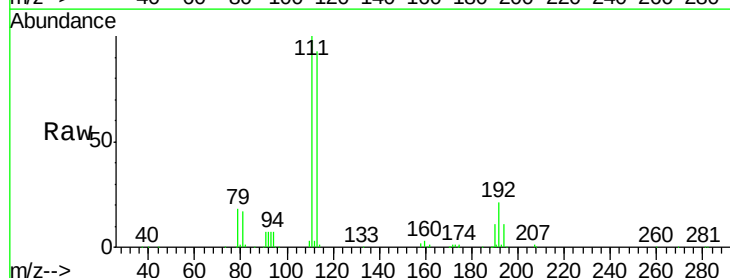


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

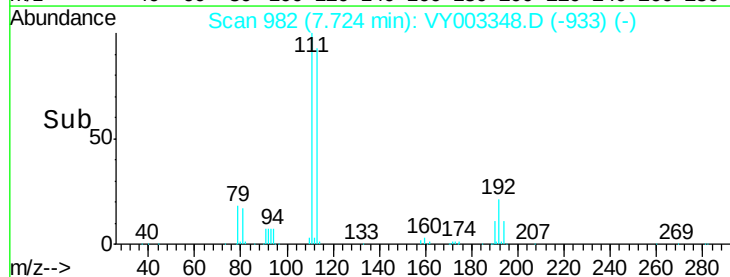
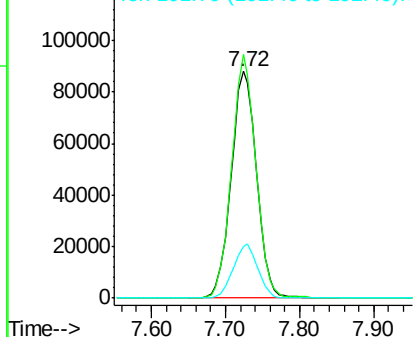


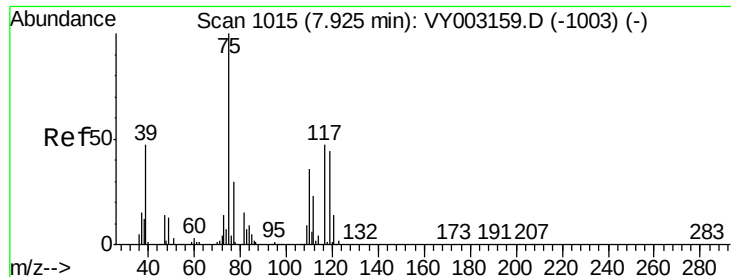
#35
Dibromofluoromethane
Concen: 54.371 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY003348.D
Acq: 24 Jul 2020 21:38

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.1	123.1
192	23.1	18.8	28.2



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: 5.063 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003348.D

Acq: 24 Jul 2020 21:38

Instrument :

MSVOA_Y

ClientSampleId :

16

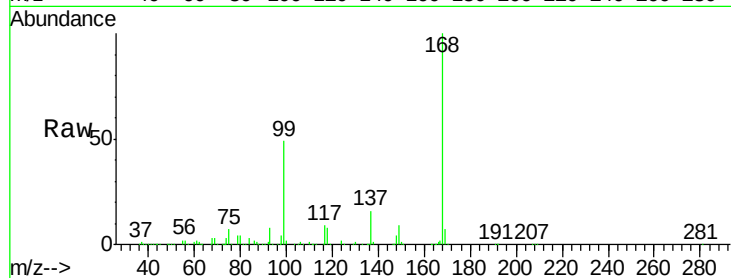
Tot Ion: 75 Resp: 30777

Ion Ratio Lower Upper

75 100

110 8.4 18.1 54.1#

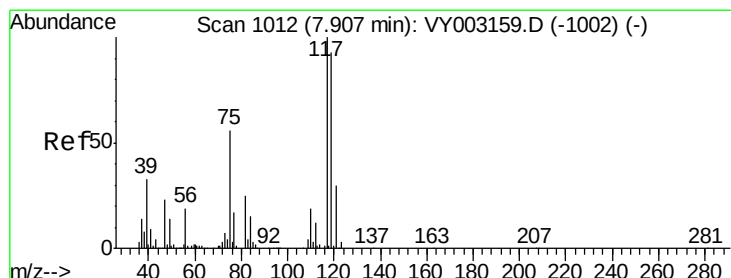
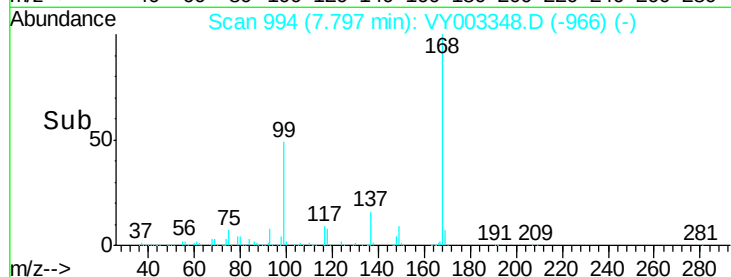
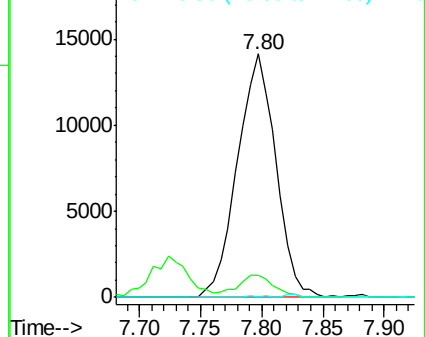
77 0.2 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VY003348.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY003348.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY003348.D (-966) (-)



#38

Carbon Tetrachloride

Concen: 6.317 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003348.D

Acq: 24 Jul 2020 21:38

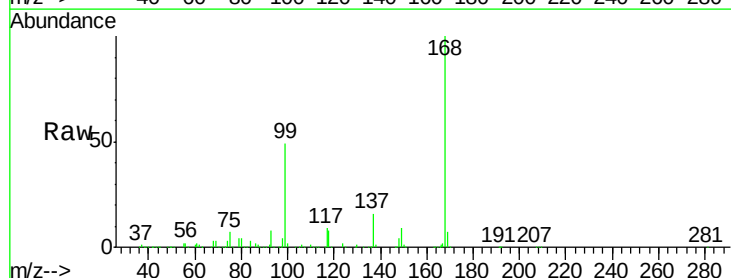
Tgt Ion: 117 Resp: 39639

Ion Ratio Lower Upper

117 100

119 4.0 74.5 111.7#

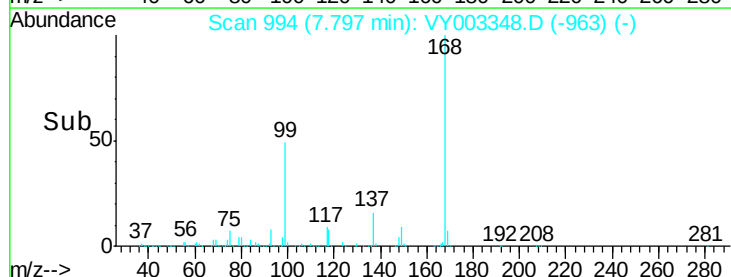
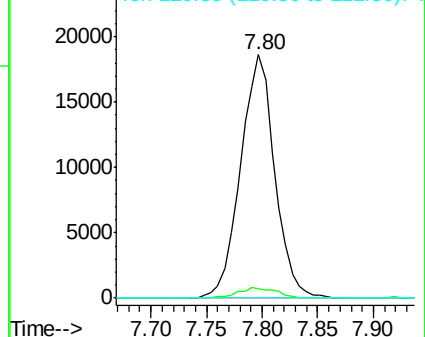
121 0.0 24.2 36.2#

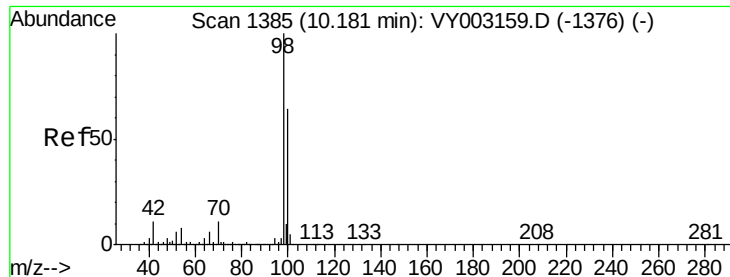


Abundance Ion 116.80 (116.50 to 117.50): VY003348.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003348.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003348.D (-963) (-)





#50

Toluene-d8

Concen: 55.299 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003348.D

Acq: 24 Jul 2020 21:38

Instrument :

MSVOA_Y

ClientSampled :

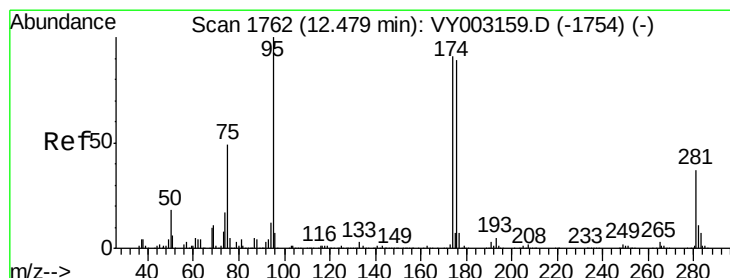
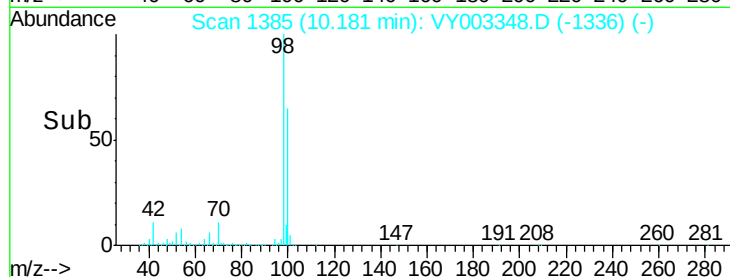
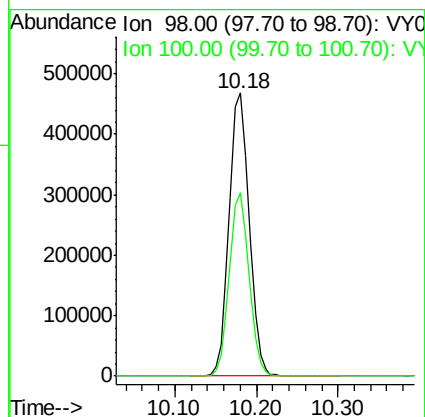
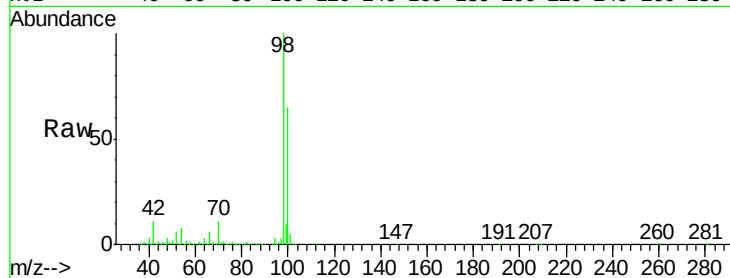
16

Tot Ion: 98 Resp: 793483

Ion Ratio Lower Upper

98 100

100 63.6 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 44.328 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003348.D

Acq: 24 Jul 2020 21:38

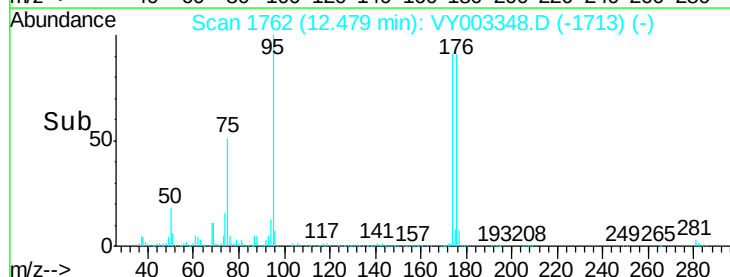
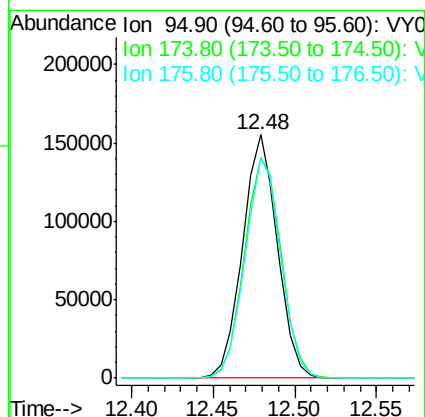
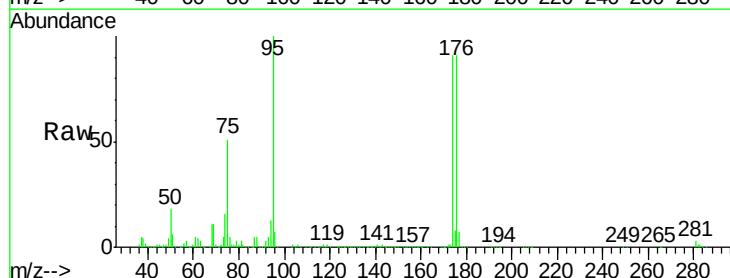
Tgt Ion: 95 Resp: 229783

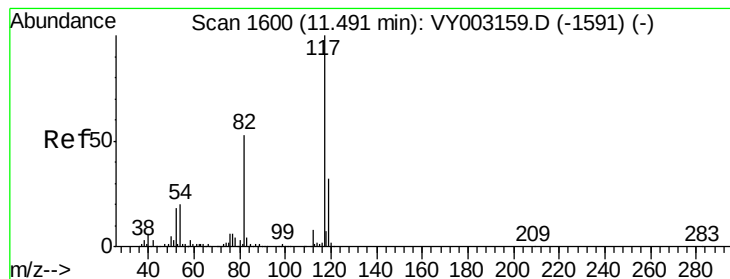
Ion Ratio Lower Upper

95 100

174 96.2 0.0 190.6

176 93.3 0.0 186.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003348.D

Acq: 24 Jul 2020 21:38

Instrument :

MSVOA_Y

ClientSampleId :

16

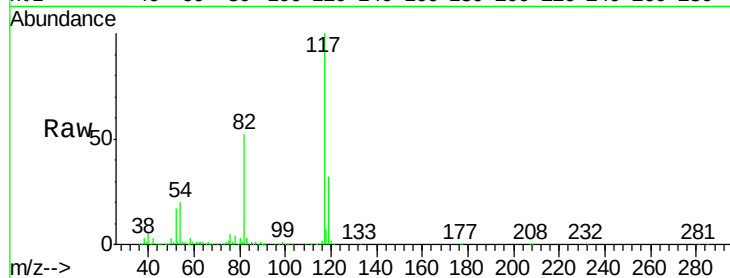
Tot Ion:117 Resp: 580651

Ion Ratio Lower Upper

117 100

82 51.9 42.0 63.0

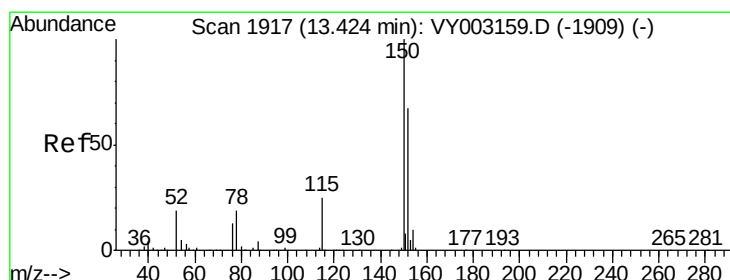
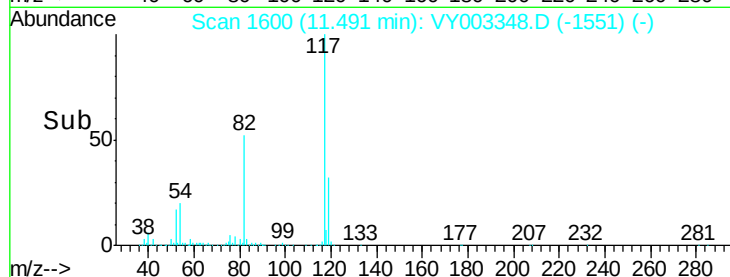
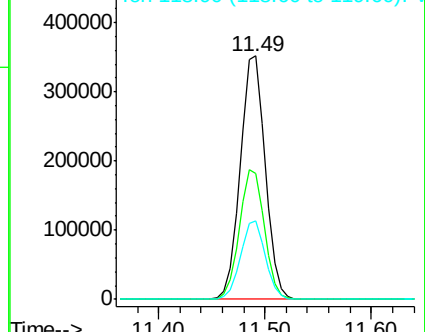
119 32.3 25.5 38.3



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: VY003348.D

Acq: 24 Jul 2020 21:38

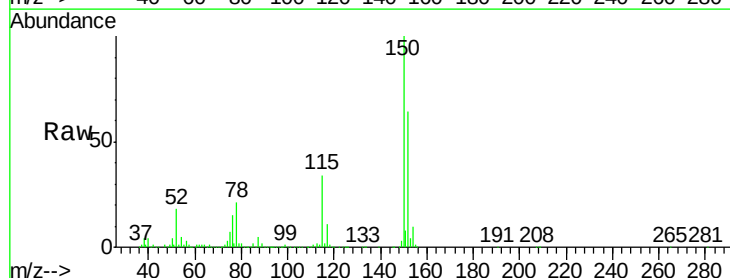
Tgt Ion:152 Resp: 232108

Ion Ratio Lower Upper

152 100

115 53.4 26.9 80.7

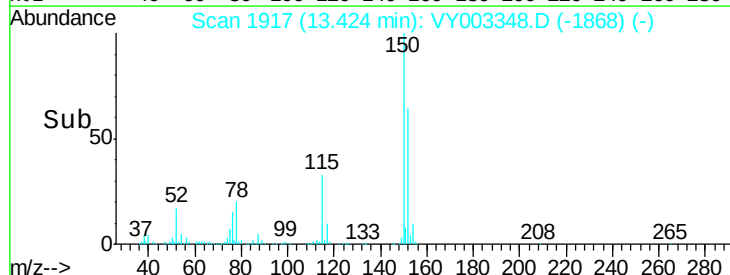
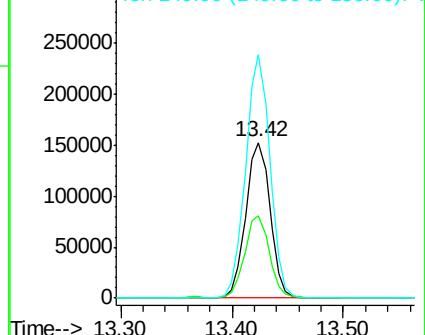
150 155.9 0.0 338.0

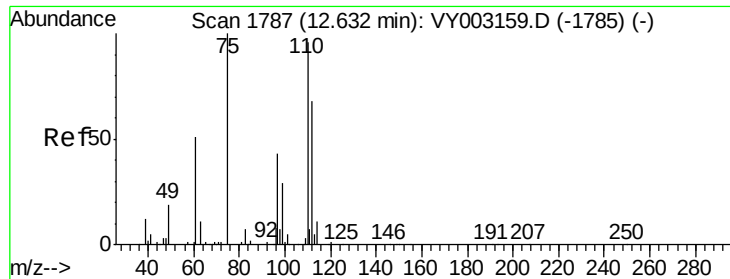


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

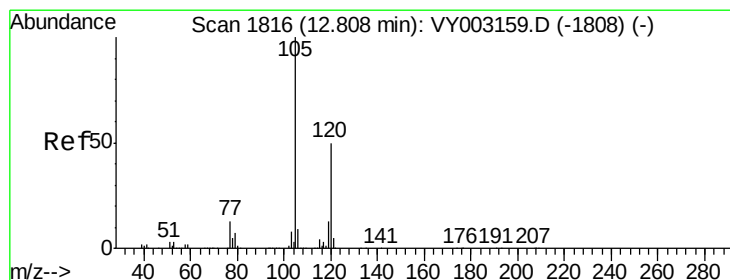
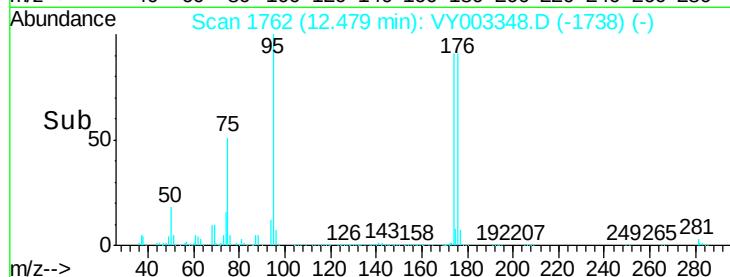
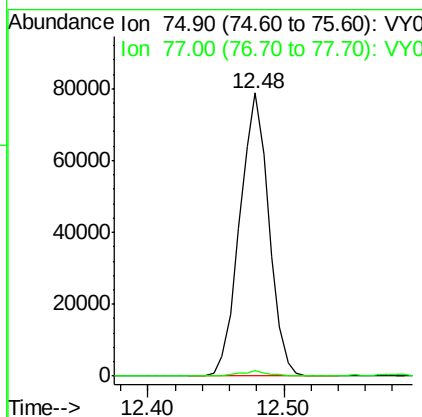
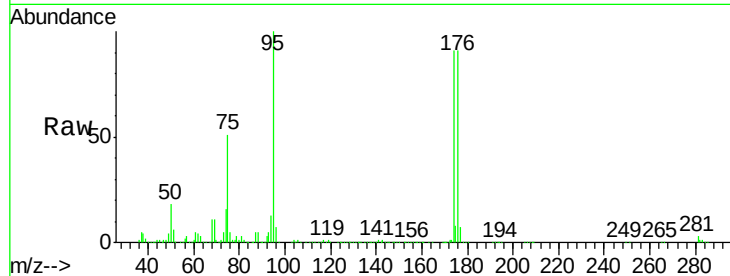




#76
 1,2,3-Trichloropropane
 Concen: 57.147 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY003348.D
 Acq: 24 Jul 2020 21:38

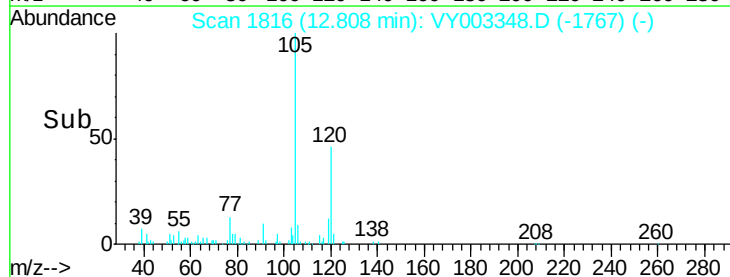
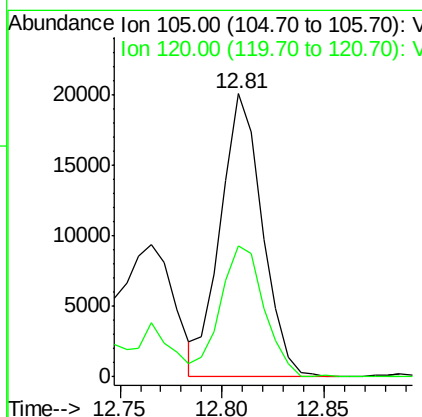
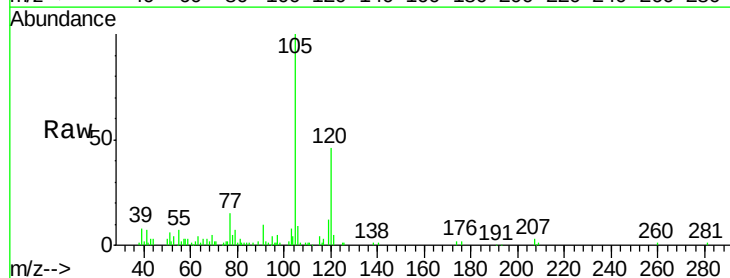
Instrument :
 MSVOA_Y
 ClientSampleId :
 16

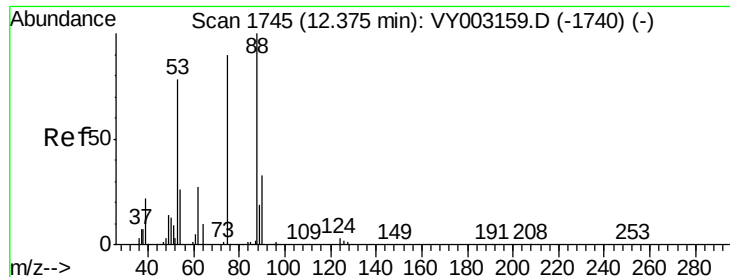
Tot Ion: 75 Resp: 117412
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 2.302 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY003348.D
 Acq: 24 Jul 2020 21:38

Tgt Ion: 105 Resp: 28377
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.9 74.6

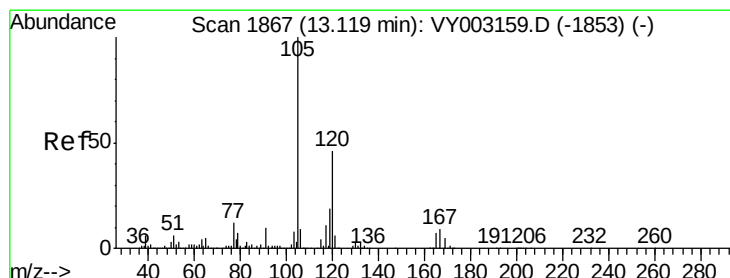
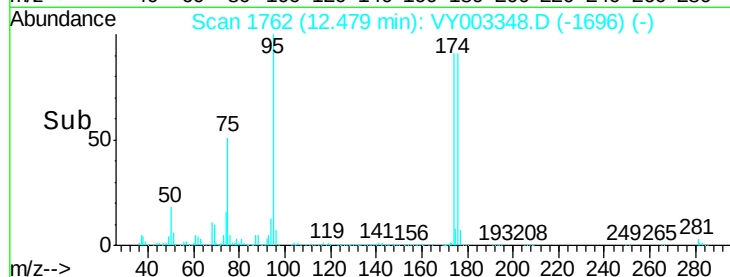
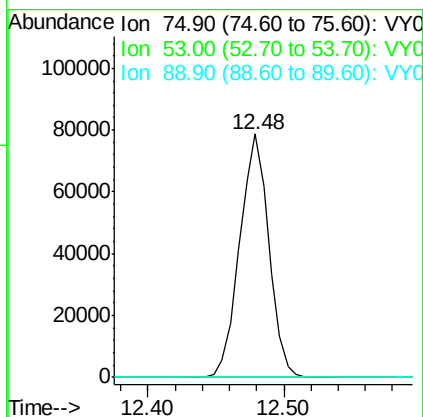
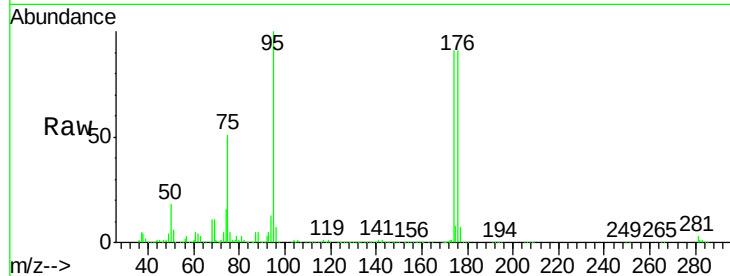




#81
trans-1,4-Dichloro-2-butene
Concen: 111.219 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY003348.D
Acq: 24 Jul 2020 21:38

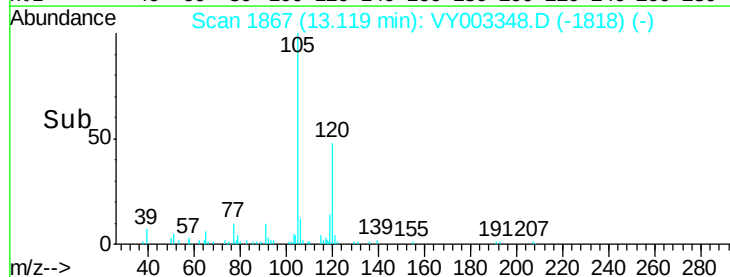
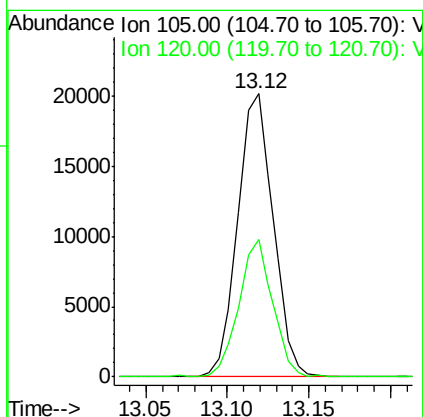
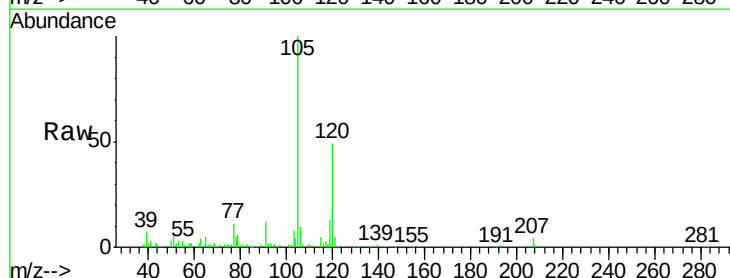
Instrument :
MSVOA_Y
ClientSampled :
16

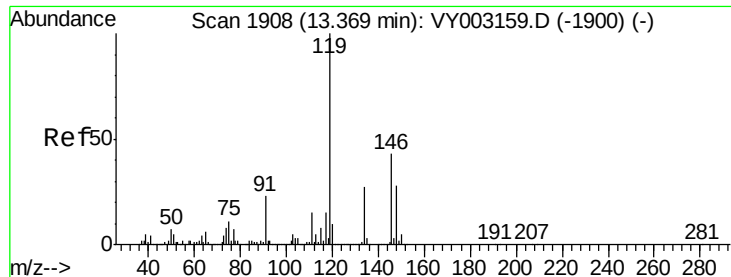
Tot Ion: 75 Resp: 117412
Ion Ratio Lower Upper
75 100
53 0.1 72.0 108.0#
89 0.1 37.3 55.9#



#84
1,2,4-Trimethylbenzene
Concen: 2.473 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY003348.D
Acq: 24 Jul 2020 21:38

Tgt Ion:105 Resp: 30680
Ion Ratio Lower Upper
105 100
120 46.2 22.5 67.5

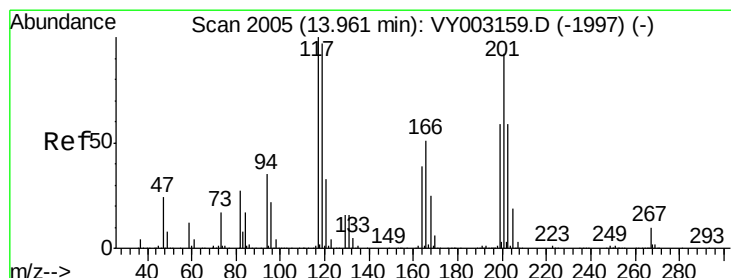
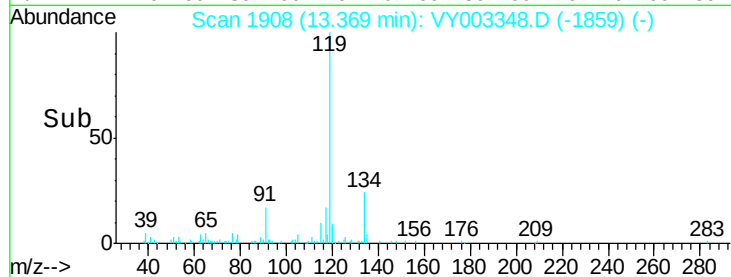
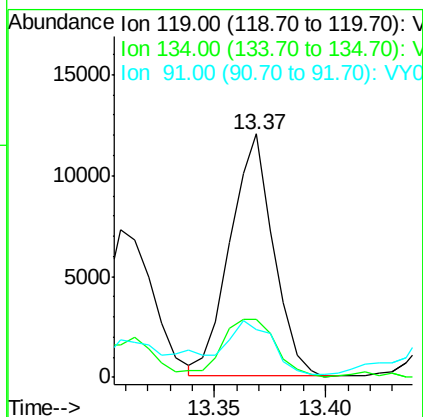
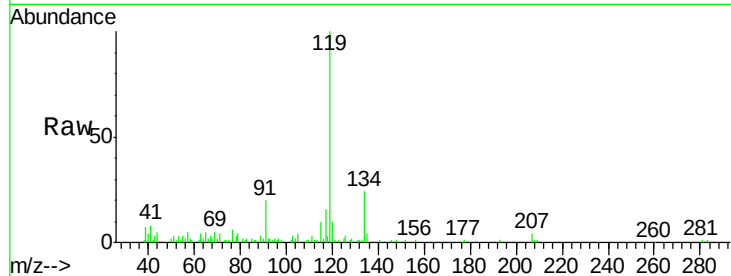




#86
p-Isopropyltoluene
Concen: 1.156 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VY003348.D
Acq: 24 Jul 2020 21:38

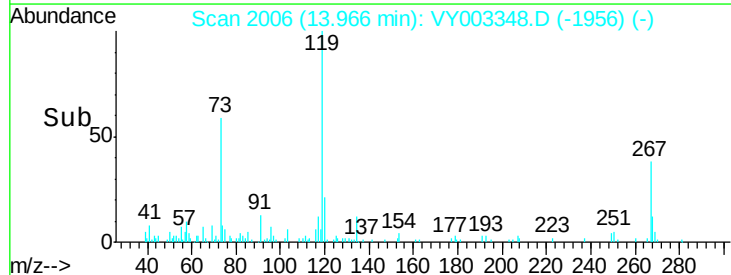
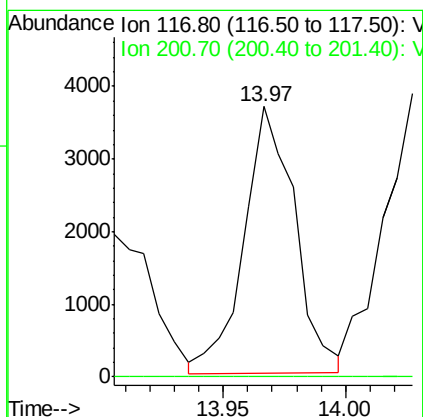
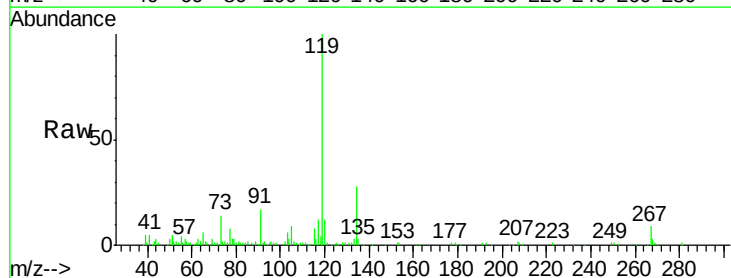
Instrument :
MSVOA_Y
ClientSampleId :
16

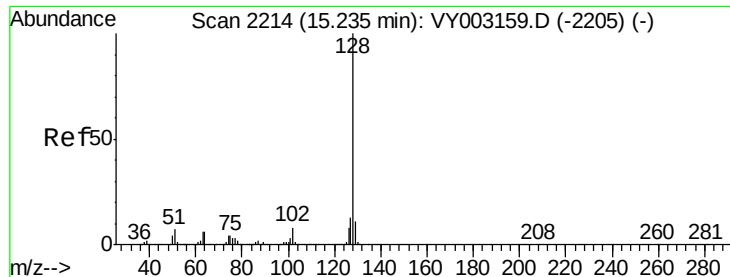
Tot Ion	Ratio	Lower	Upper
119	100		
134	29.1	13.4	40.2
91	23.4	11.2	33.6



#90
Hexachloroethane
Concen: 2.088 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.01 min
Lab File: VY003348.D
Acq: 24 Jul 2020 21:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	0.0	45.1	135.3#

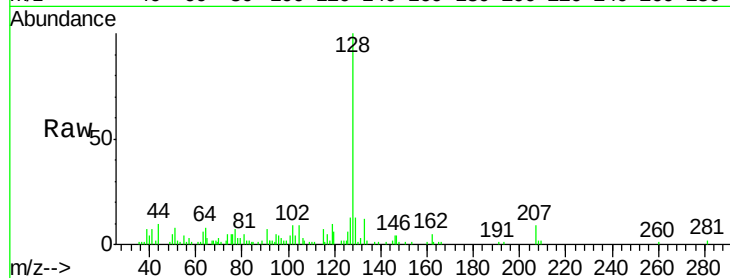




#95
Naphthalene
Concen: 2.638 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003348.D
Acq: 24 Jul 2020 21:38

Instrument :
MSVOA_Y
ClientSampleId :
16

Tot Ion	Ratio	Lower	Upper
128	100		
127	18.6	10.9	16.3
129	10.7	9.0	13.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

