

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072820\
 Data File : VY003374.D
 Acq On : 28 Jul 2020 14:39
 Operator : SY/MD
 Sample : L3460-01RE
 Misc : 5.10G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 29 02:33:34 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	435067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	683662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	636309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	306112	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	226964	61.81	ug/l	0.00
Spiked Amount			Recovery	=	123.62%	
35) Dibromofluoromethane	7.72	113	214734	54.58	ug/l	0.00
Spiked Amount			Recovery	=	109.16%	
50) Toluene-d8	10.18	98	836749	57.21	ug/l	0.00
Spiked Amount			Recovery	=	114.42%	
62) 4-Bromofluorobenzene	12.48	95	271115	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	

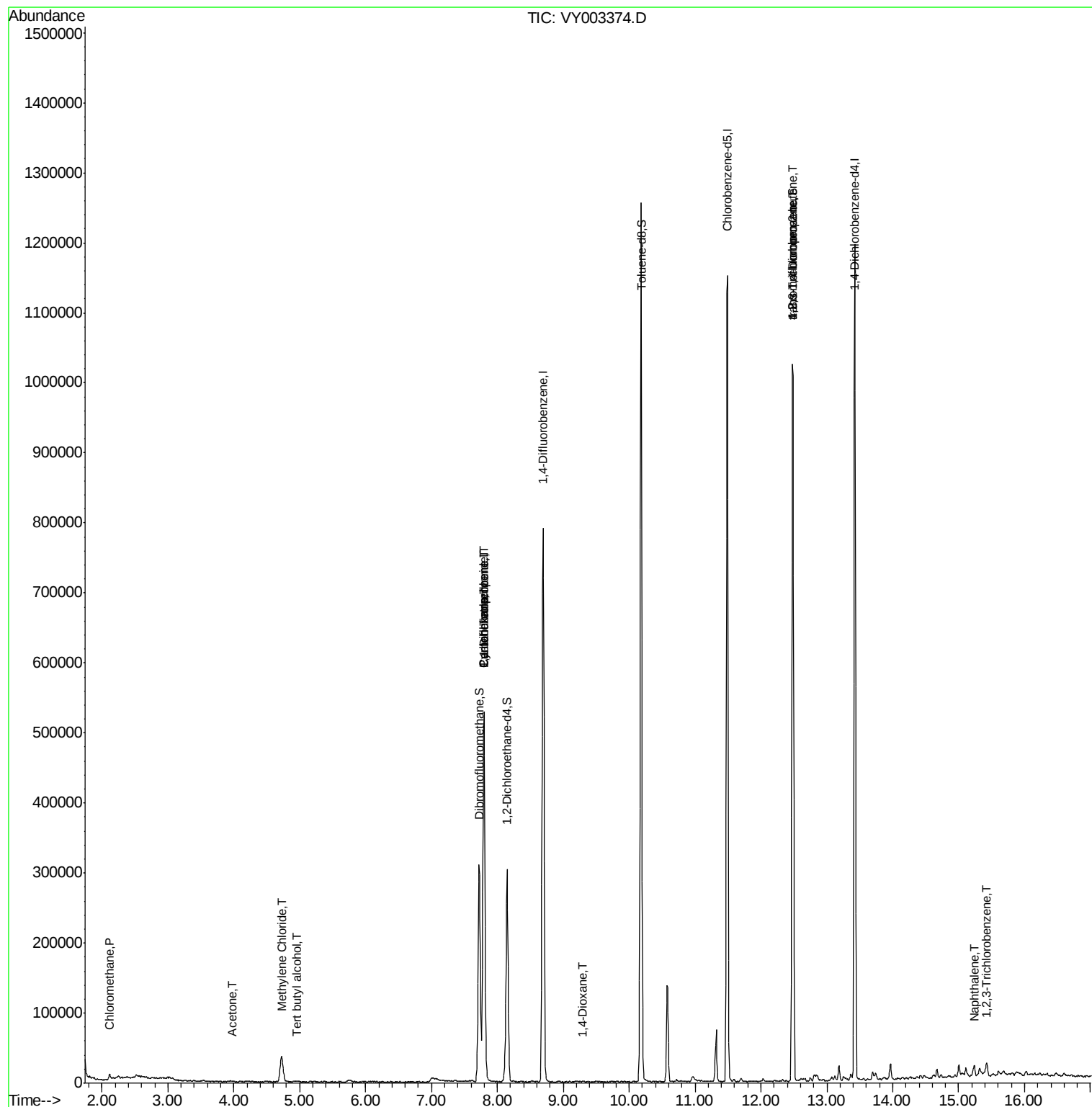
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	5559	1.285	ug/l	95
11) Tert butyl alcohol	4.96	59	895	2.254	ug/l	99
16) Acetone	3.97	43	1589	1.937	ug/l	98
20) Methylene Chloride	4.72	84	29292	1.800	ug/l	95
31) Cyclohexane	7.79	56	8196	1.227	ug/l #	10
36) 1,1-Dichloropropene	7.79	75	30064	4.852	ug/l #	50
38) Carbon Tetrachloride	7.80	117	39825	6.226	ug/l #	17
49) 1,4-Dioxane	9.29	88	59	1.803	ug/l #	55
76) 1,2,3-Trichloropropane	12.48	75	139363	51.433	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	139363	100.098	ug/l #	13
95) Naphthalene	15.23	128	11374	1.172	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.42	180	5855	1.262	ug/l #	90

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 10 13:18:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003374.D

Acq: 28 Jul 2020 14:39

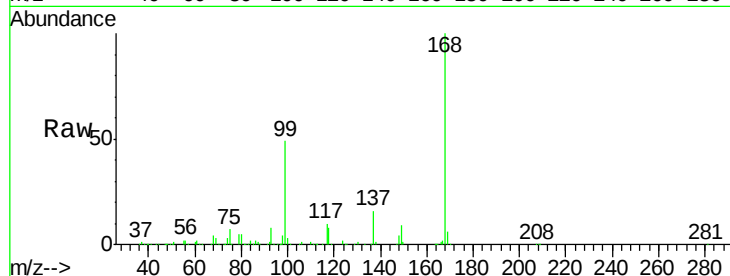
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 435067

Ion Ratio Lower Upper

168 100

99 48.8 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003374.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003374.D (-945) (-)

7.80

200000

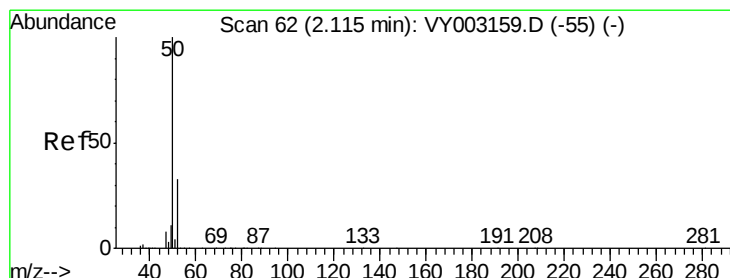
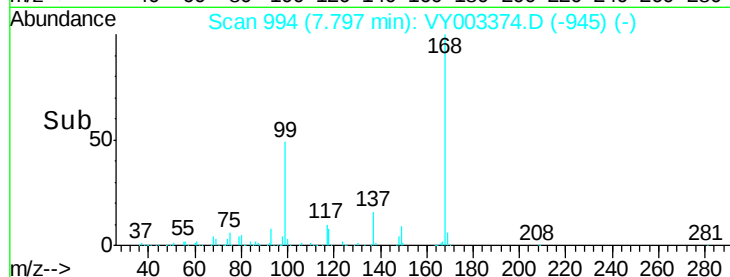
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.285 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY003374.D

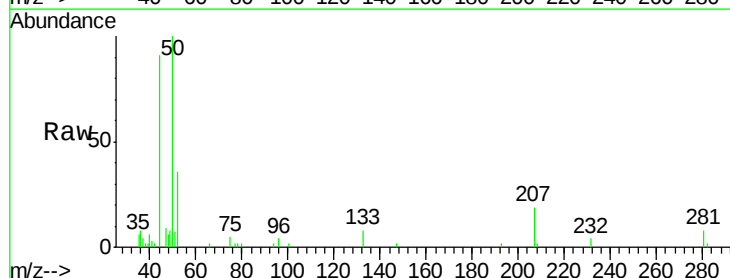
Acq: 28 Jul 2020 14:39

Tgt Ion: 50 Resp: 5559

Ion Ratio Lower Upper

50 100

52 36.1 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VY003374.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY003374.D (-13) (-)

2.11

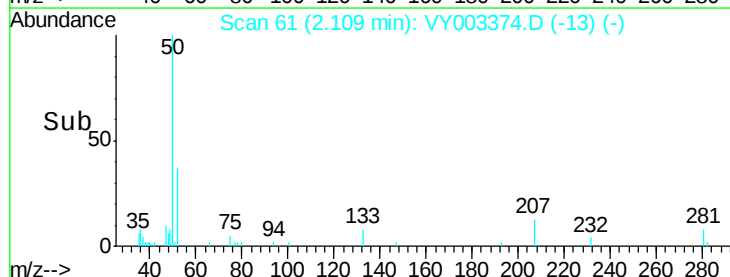
3000

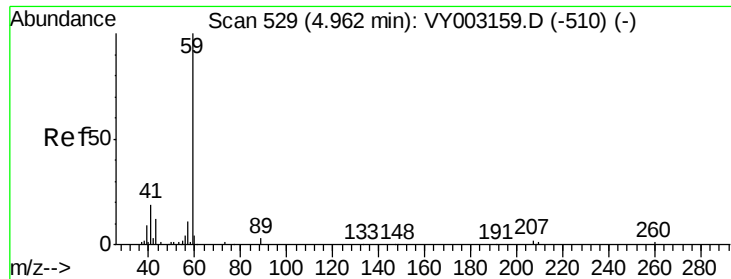
2000

1000

0

Time-->

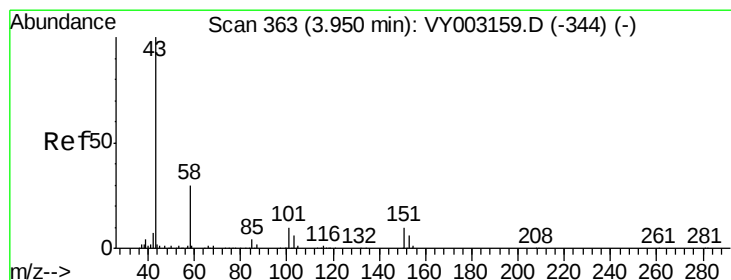
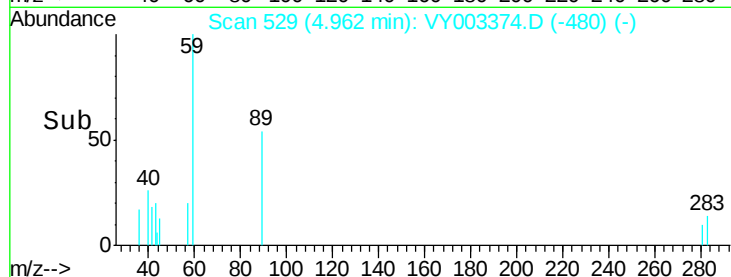
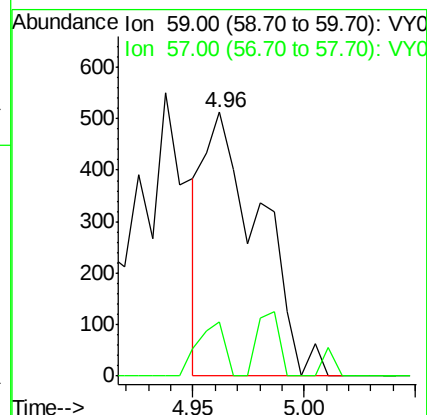
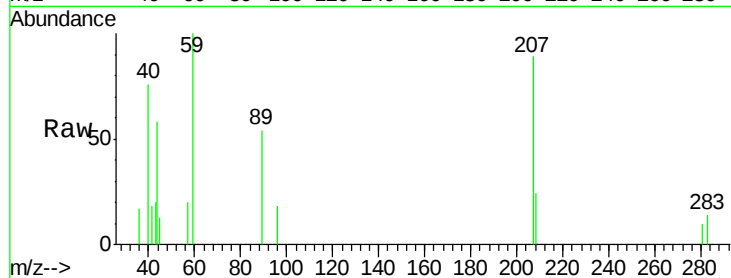




#11
Tert butyl alcohol
Concen: 2.254 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.00 min
Lab File: VY003374.D
Acq: 28 Jul 2020 14:39

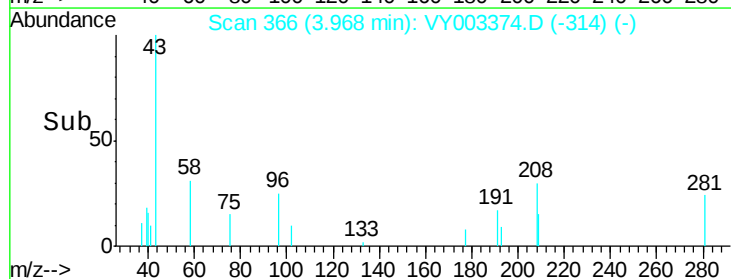
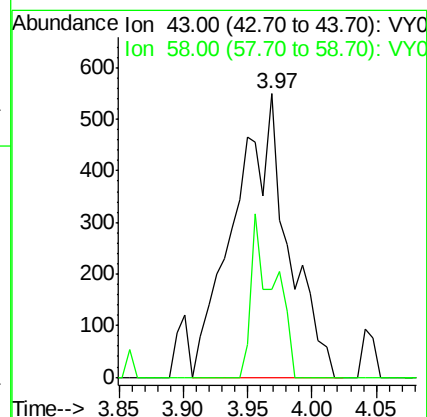
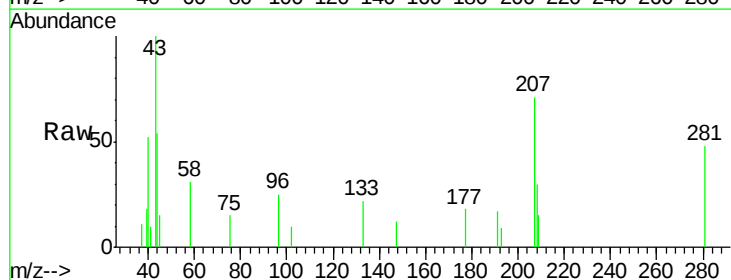
Instrument :
MSVOA_Y
ClientSampled :

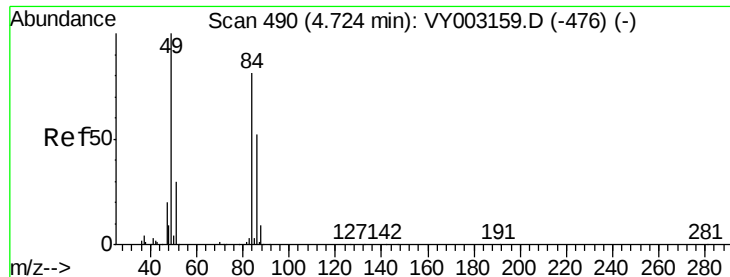
Tot Ion: 59 Resp: 895
Ion Ratio Lower Upper
59 100
57 9.9 8.4 12.6



#16
Acetone
Concen: 1.937 ug/l
RT: 3.97 min Scan# 366
Delta R.T. 0.02 min
Lab File: VY003374.D
Acq: 28 Jul 2020 14:39

Tgt Ion: 43 Resp: 1589
Ion Ratio Lower Upper
43 100
58 31.0 23.8 35.6

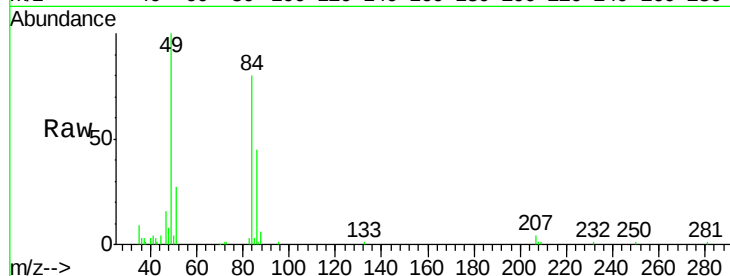




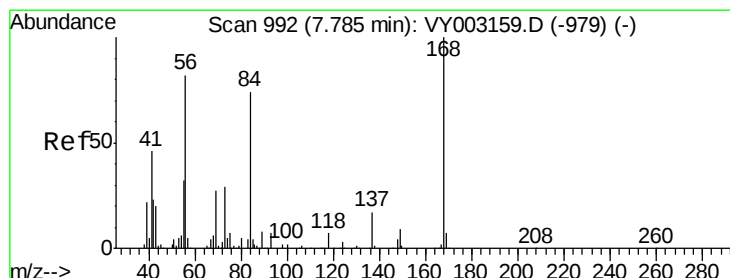
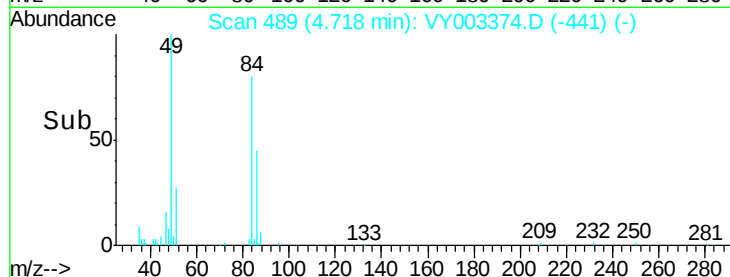
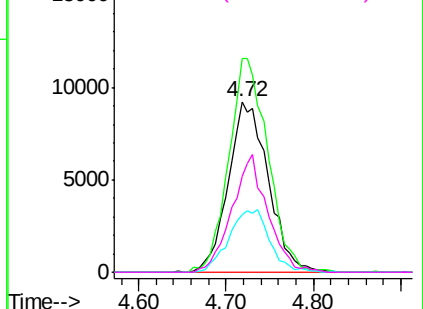
#20
Methvlene Chloride
Concen: 1.800 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY003374.D
Acq: 28 Jul 2020 14:39

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 29292
Ion Ratio Lower Upper
84 100
49 125.1 98.2 147.4
51 34.0 29.8 44.6
86 56.0 51.2 76.8

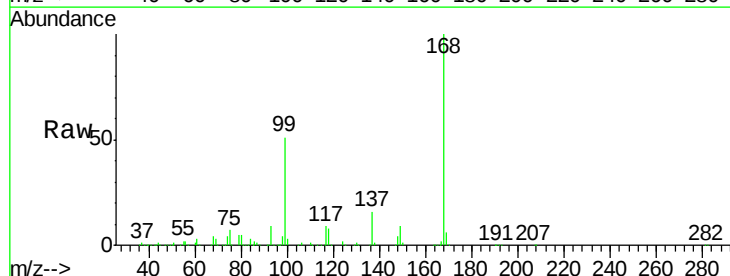


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

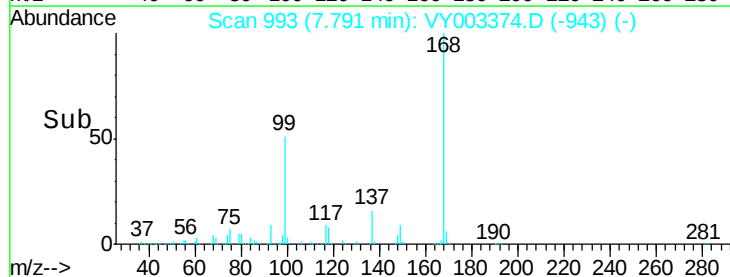
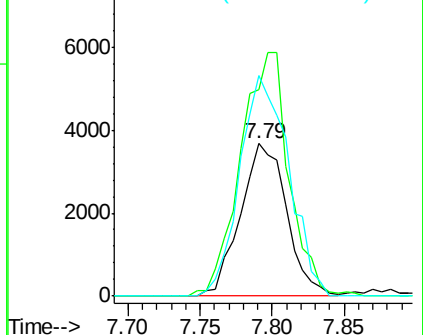


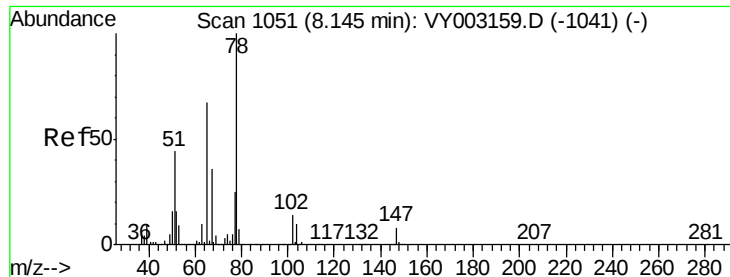
#31
Cyclohexane
Concen: 1.227 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.01 min
Lab File: VY003374.D
Acq: 28 Jul 2020 14:39

Tgt Ion: 56 Resp: 8196
Ion Ratio Lower Upper
56 100
69 135.7 26.7 40.1#
84 144.2 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

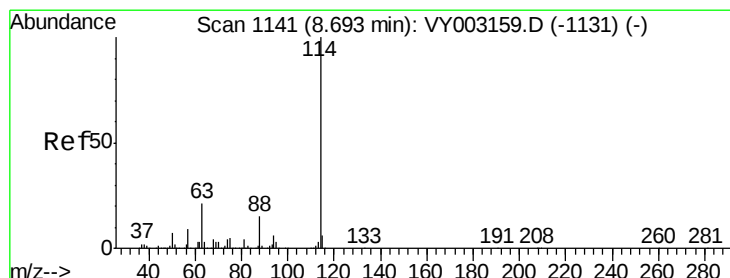
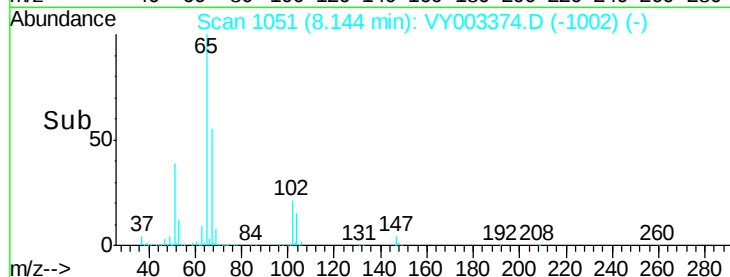
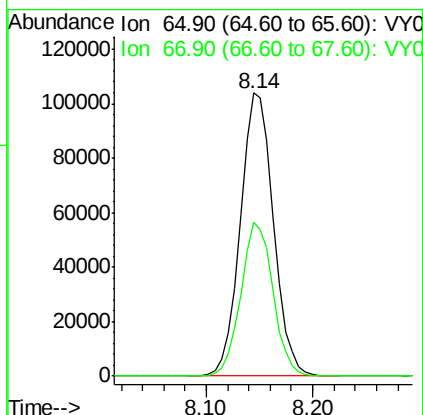
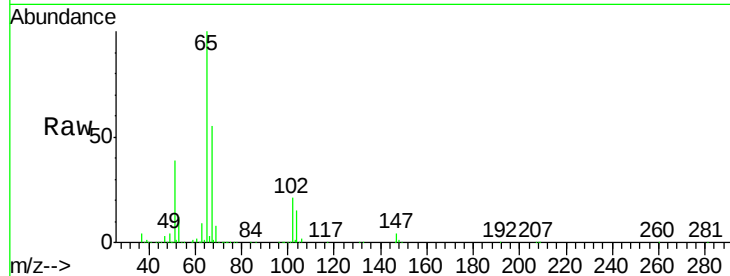




#33
 1,2-Dichloroethane-d4
 Concen: 61.807 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003374.D
 Acq: 28 Jul 2020 14:39

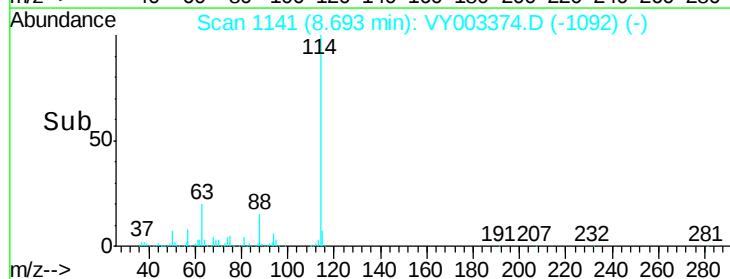
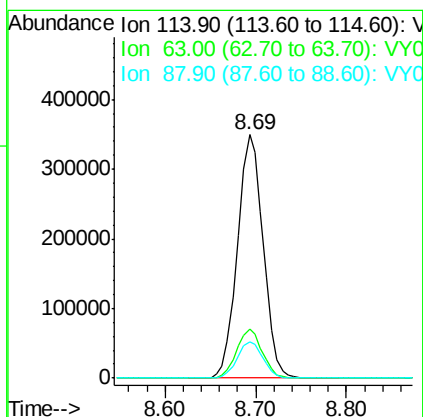
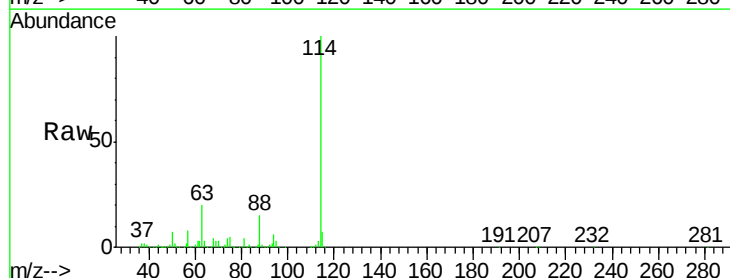
Instrument :
 MSVOA_Y
 ClientSampleId :

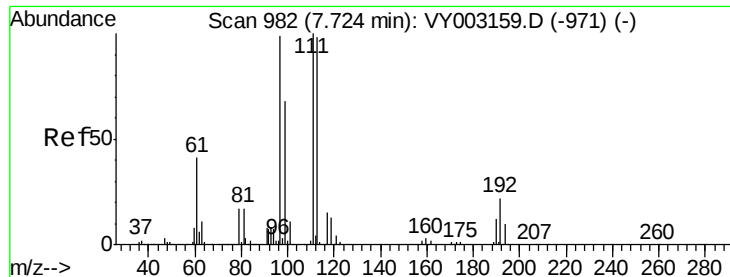
Tot Ion: 65 Resp: 226964
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003374.D
 Acq: 28 Jul 2020 14:39

Tgt Ion: 114 Resp: 683662
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.2
 88 14.9 0.0 30.2

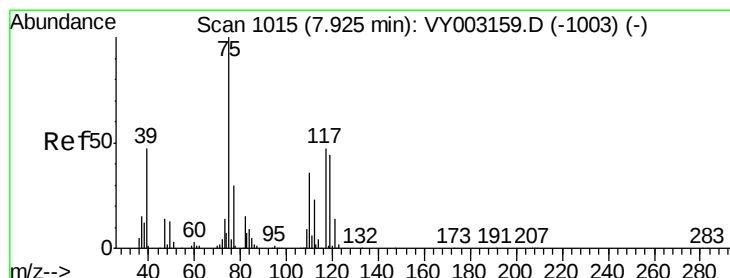
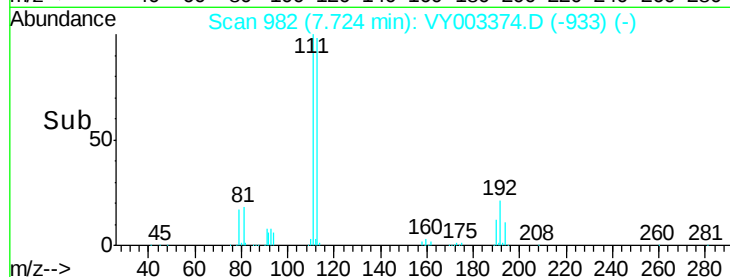
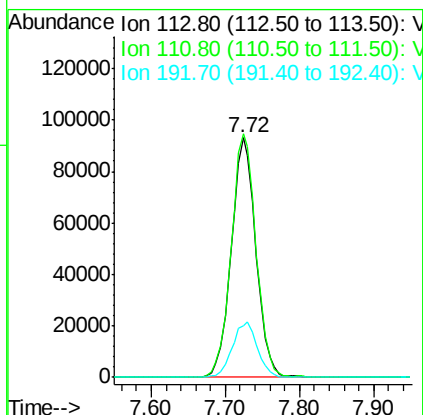
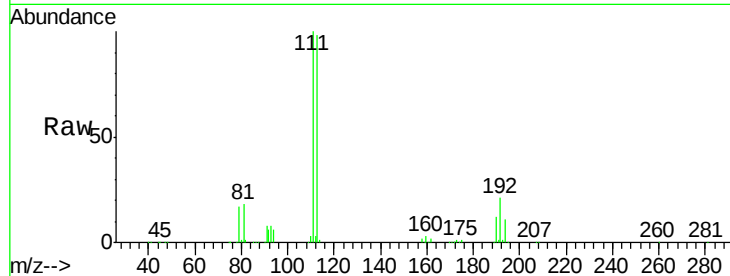




#35
Dibromofluoromethane
Concen: 54.580 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY003374.D
Acq: 28 Jul 2020 14:39

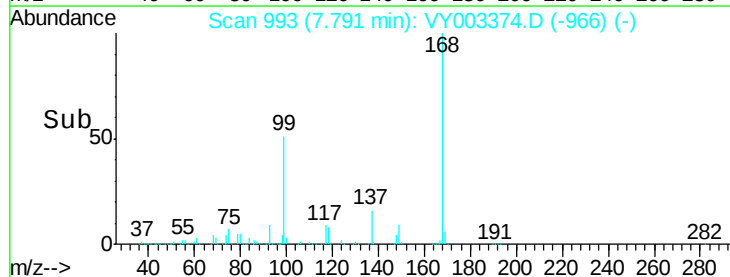
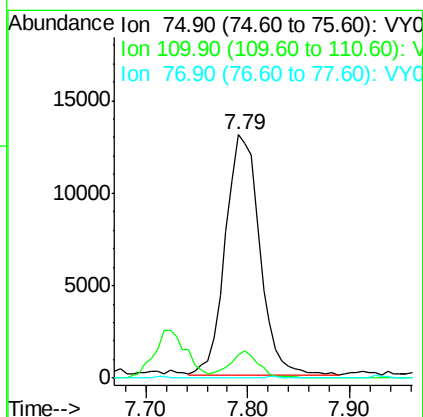
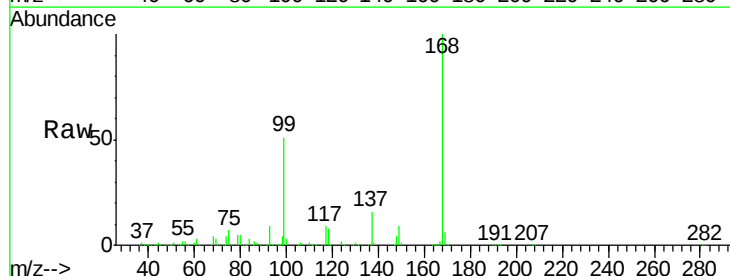
Instrument :
MSVOA_Y
ClientSampleId :

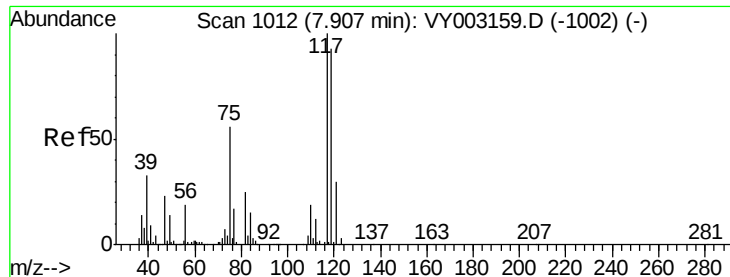
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.1	123.1
192	23.5	18.8	28.2



#36
1,1-Dichloropropene
Concen: 4.852 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.13 min
Lab File: VY003374.D
Acq: 28 Jul 2020 14:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.1#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.226 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003374.D

Acq: 28 Jul 2020 14:39

Instrument :

MSVOA_Y

ClientSampled :

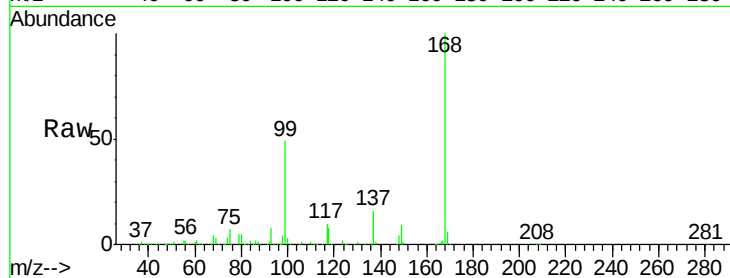
Tot Ion:117 Resp: 39825

Ion Ratio Lower Upper

117 100

119 5.1 74.5 111.7#

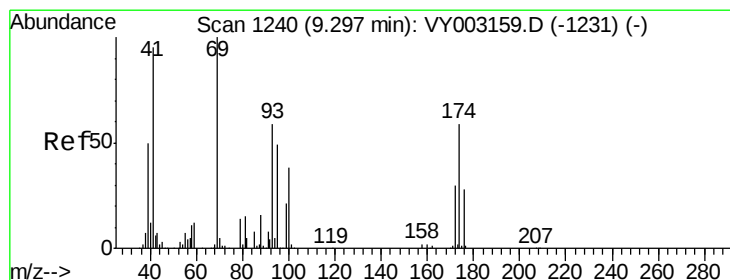
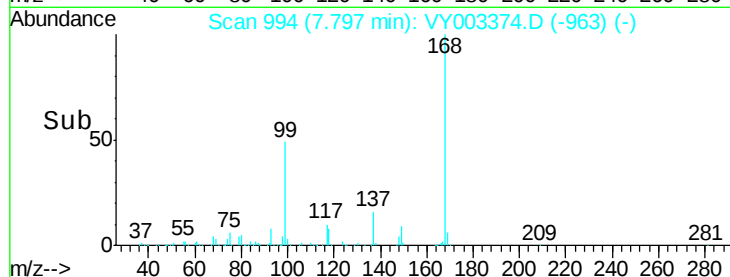
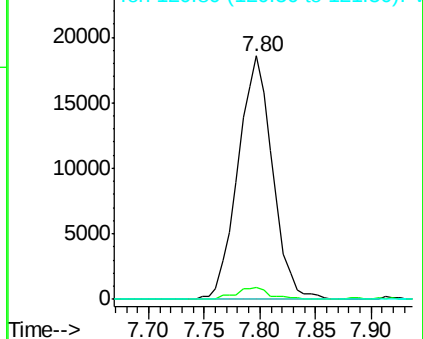
121 0.0 24.2 36.2#



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



#49

1,4-Dioxane

Concen: 1.803 ug/l

RT: 9.29 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VY003374.D

Acq: 28 Jul 2020 14:39

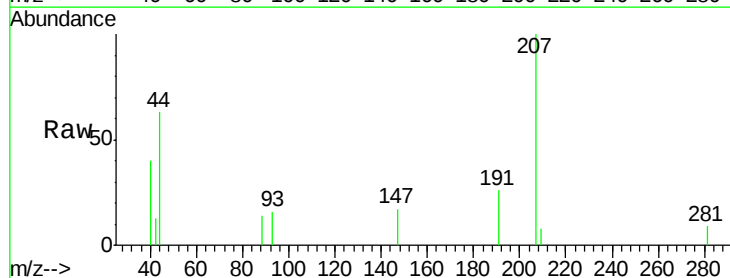
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 39.0 25.6 38.4#

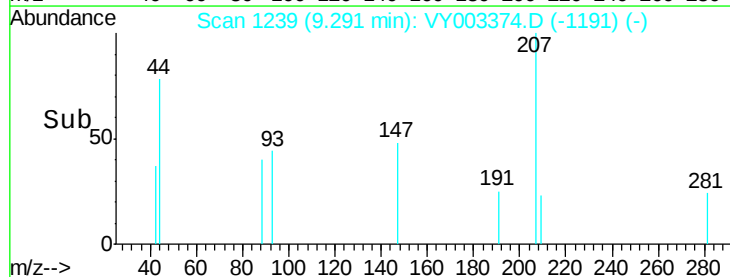
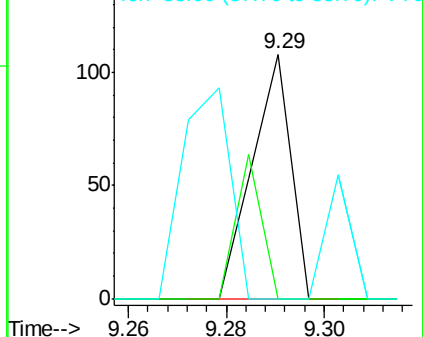
58 106.8 47.8 71.6#

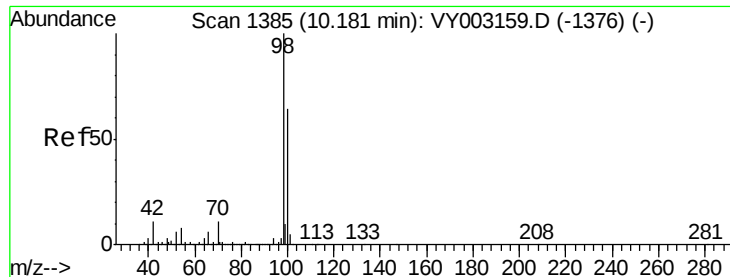


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 57.205 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003374.D

Acq: 28 Jul 2020 14:39

Instrument :

MSVOA_Y

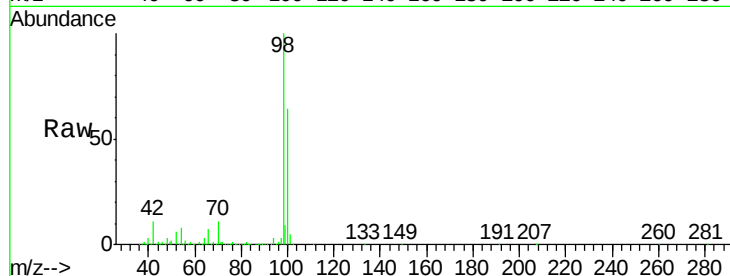
ClientSampled :

Tot Ion: 98 Resp: 836749

Ion Ratio Lower Upper

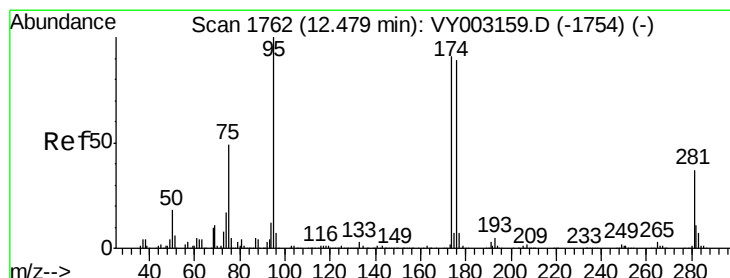
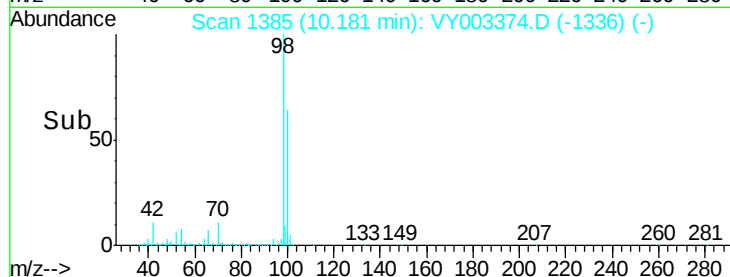
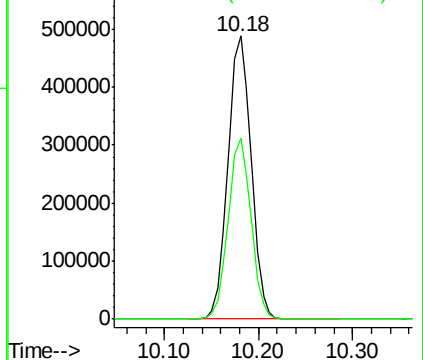
98 100

100 62.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#62

4-Bromofluorobenzene

Concen: 51.307 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003374.D

Acq: 28 Jul 2020 14:39

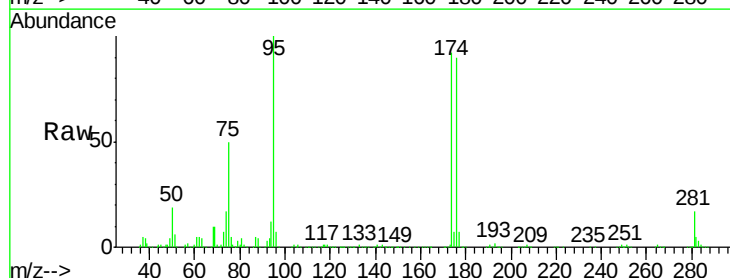
Tgt Ion: 95 Resp: 271115

Ion Ratio Lower Upper

95 100

174 94.9 0.0 190.6

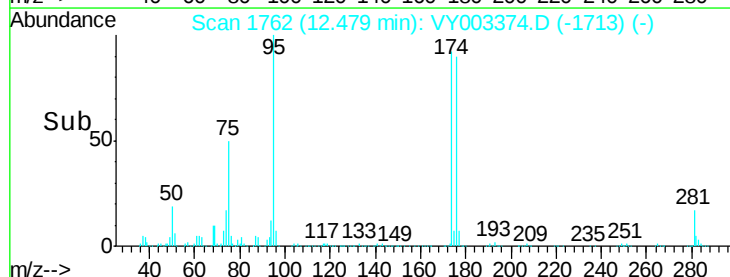
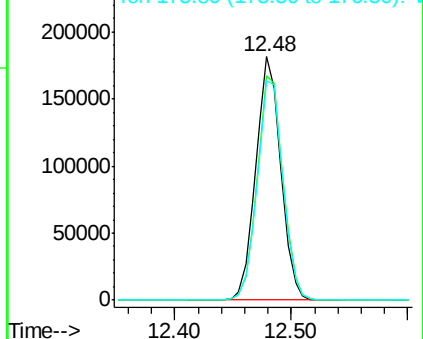
176 93.2 0.0 186.4

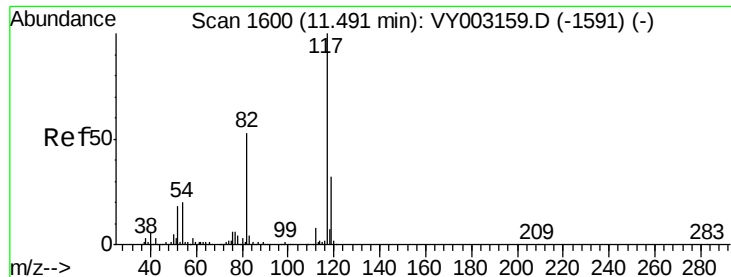


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

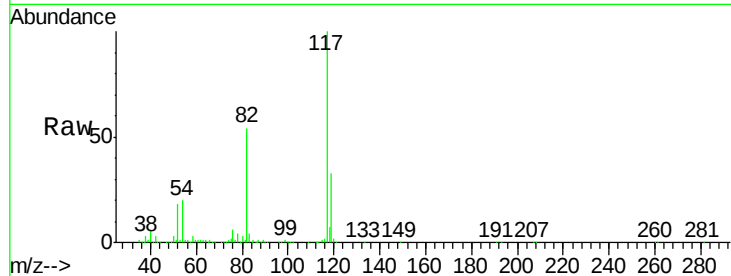




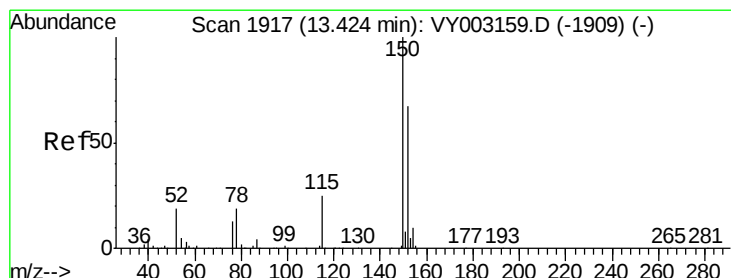
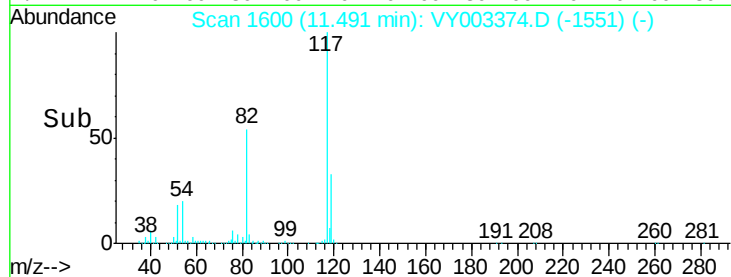
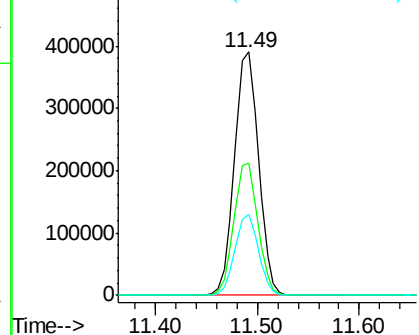
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003374.D
Acq: 28 Jul 2020 14:39

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 636309
Ion Ratio Lower Upper
117 100
82 54.5 42.0 63.0
119 33.1 25.5 38.3

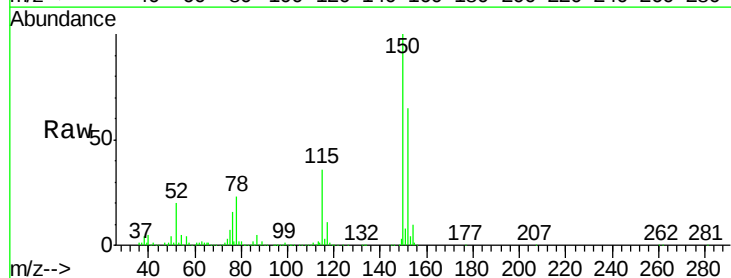


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

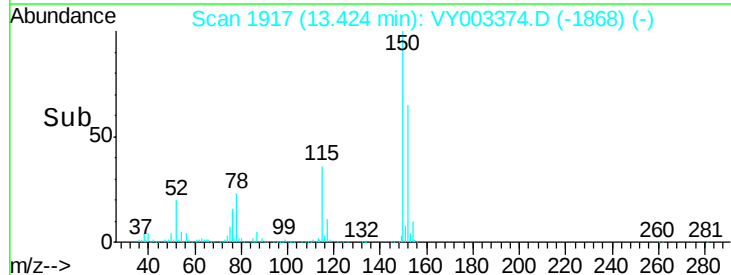
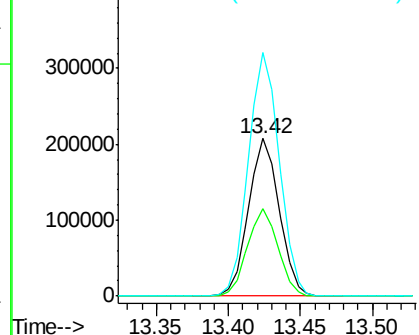


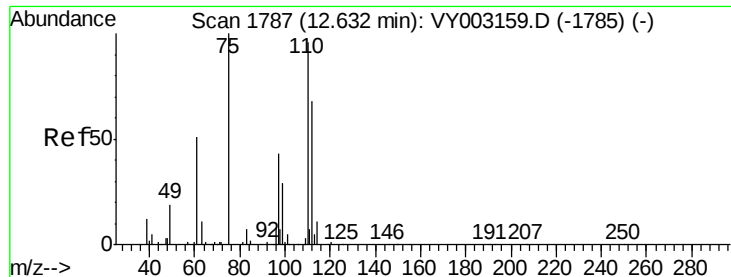
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003374.D
Acq: 28 Jul 2020 14:39

Tgt Ion:152 Resp: 306112
Ion Ratio Lower Upper
152 100
115 55.4 26.9 80.7
150 155.2 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: 51.433 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003374.D

Acq: 28 Jul 2020 14:39

Instrument :

MSVOA_Y

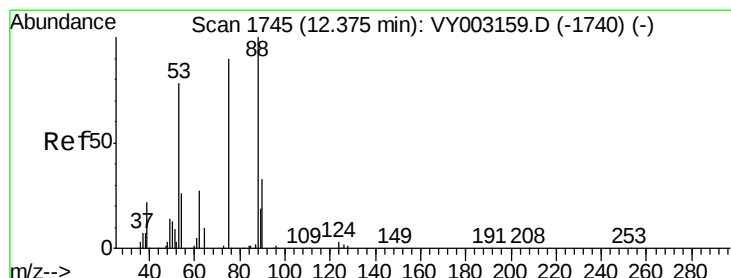
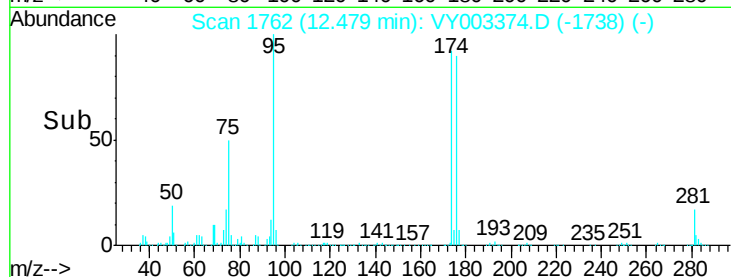
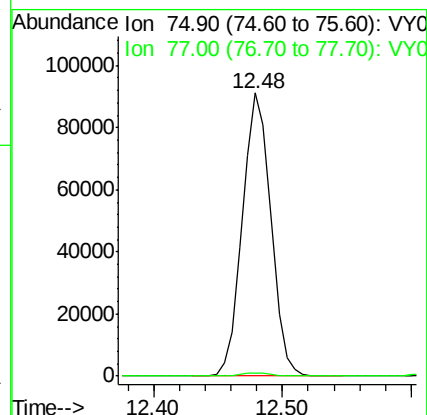
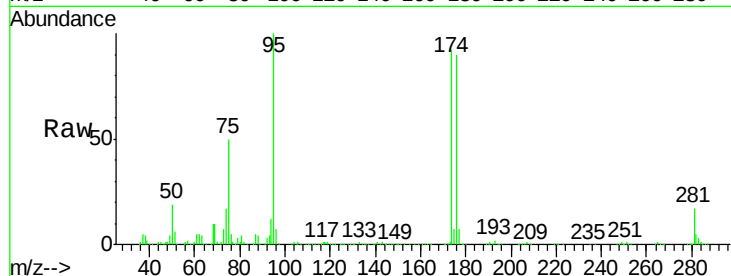
ClientSampled :

Tot Ion: 75 Resp: 139363

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 100.098 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003374.D

Acq: 28 Jul 2020 14:39

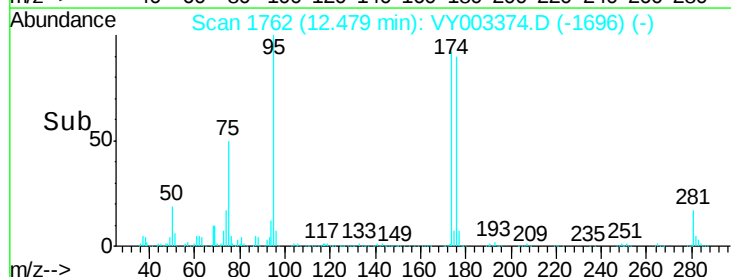
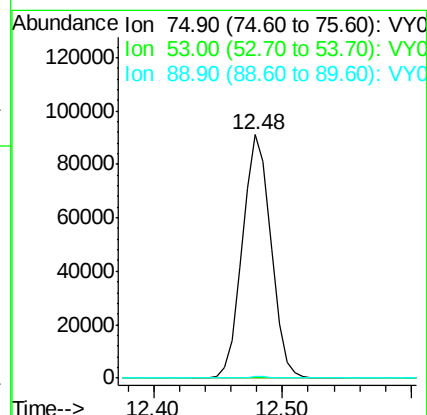
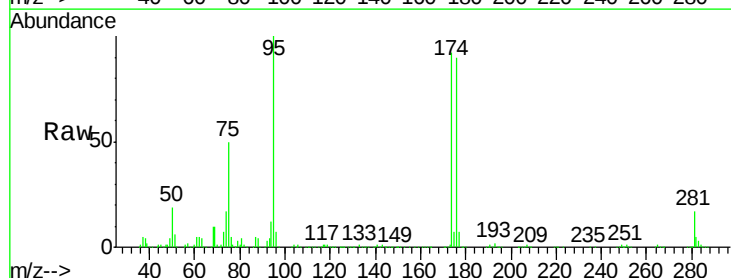
Tgt Ion: 75 Resp: 139363

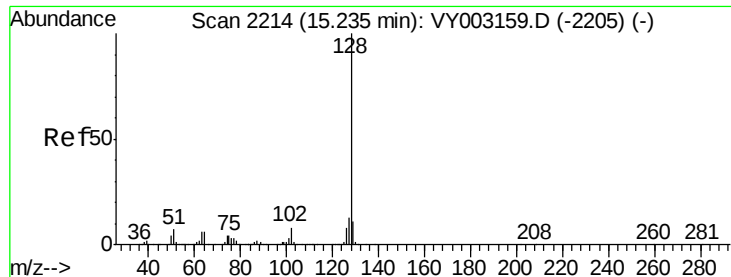
Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.4 37.3 55.9#





#95

Naphthalene

Concen: 1.172 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY003374.D

Acq: 28 Jul 2020 14:39

Instrument :

MSVOA_Y

ClientSampleId :

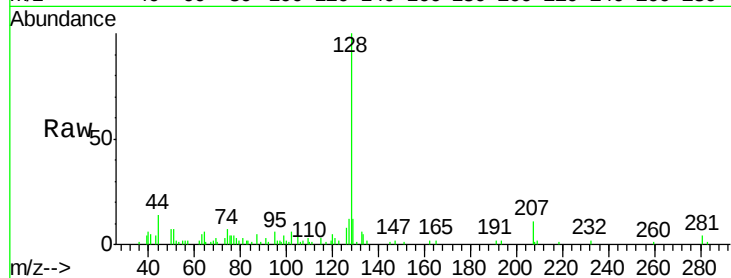
Tot Ion:128 Resp: 11374

Ion Ratio Lower Upper

128 100

127 16.6 10.9 16.3#

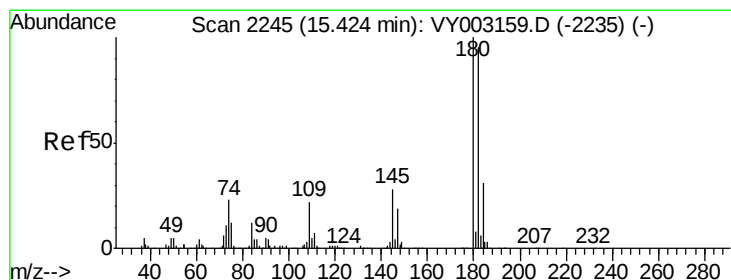
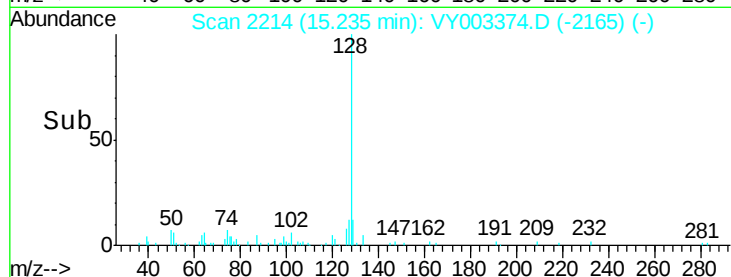
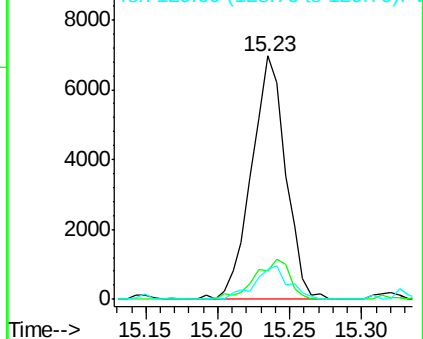
129 14.0 9.0 13.6#



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



#96

1,2,3-Trichlorobenzene

Concen: 1.262 ug/l

RT: 15.42 min Scan# 2244

Delta R.T. -0.01 min

Lab File: VY003374.D

Acq: 28 Jul 2020 14:39

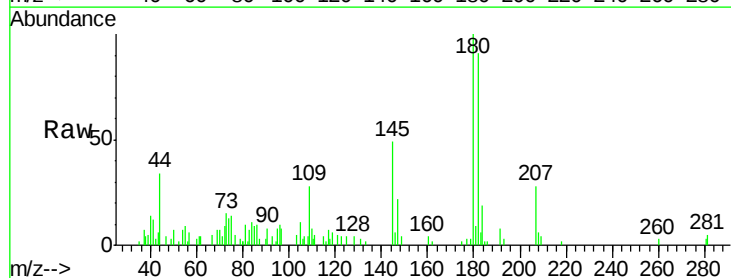
Tgt Ion:180 Resp: 5855

Ion Ratio Lower Upper

180 100

182 95.4 48.8 146.3

145 48.5 14.9 44.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

