

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
 Data File : VY003235.D
 Acq On : 20 Jul 2020 16:35
 Operator : SY/MD
 Sample : L3308-09RE
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 9RE

Quant Time: Jul 21 03:18:59 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	381541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	572713	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	481800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	191364	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	211166	65.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	131.14%	
35) Dibromofluoromethane	7.72	113	188376	57.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.32%	
50) Toluene-d8	10.18	98	678701	55.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.78%	
62) 4-Bromofluorobenzene	12.48	95	197877	44.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.40%	

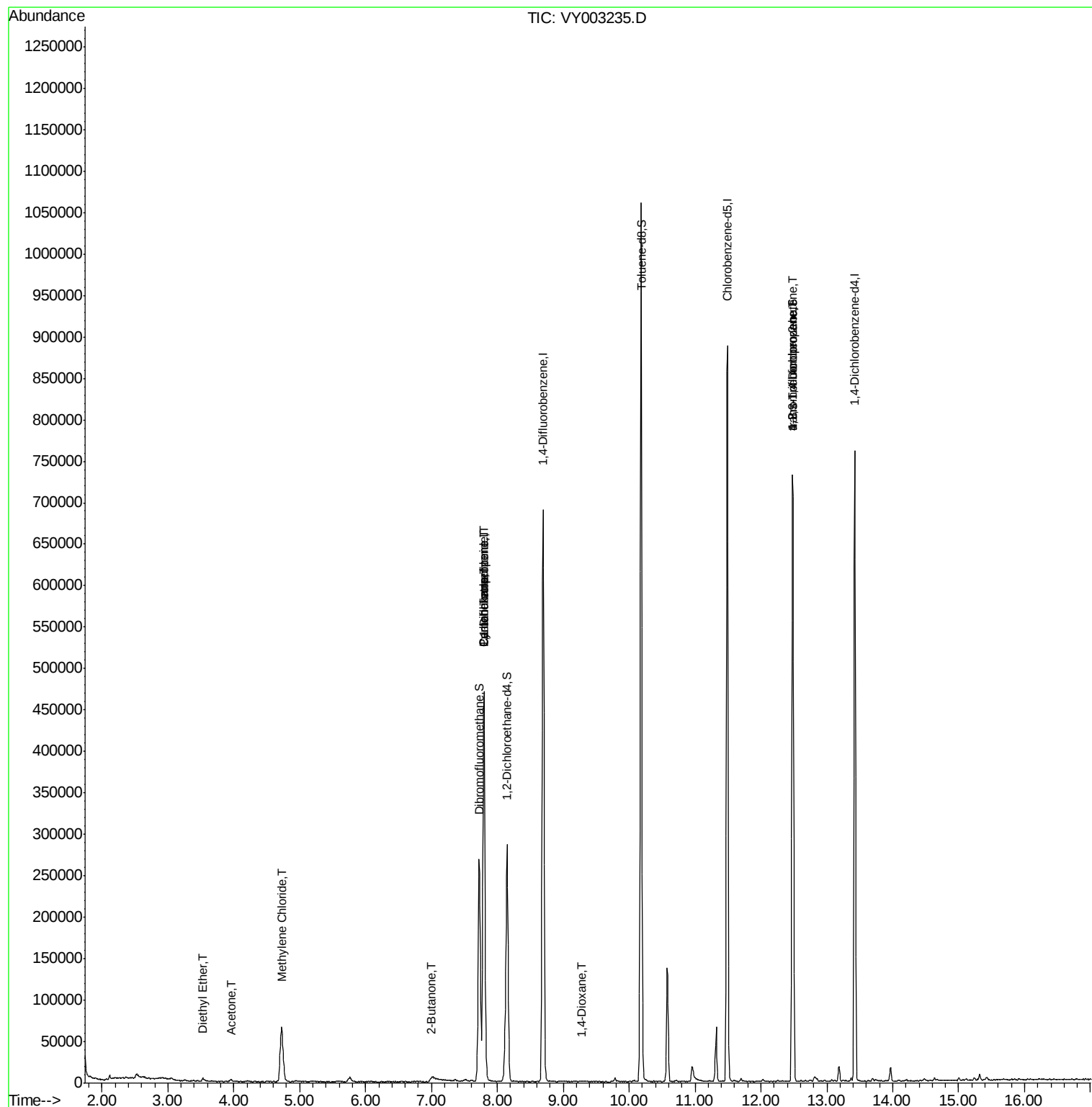
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.53	74	1997	1.072	ug/l	82
16) Acetone	3.96	43	3549	4.934	ug/l	99
20) Methylene Chloride	4.73	84	50844	9.609	ug/l	97
25) 2-Butanone	6.99	43	1259	1.066	ug/l #	78
31) Cyclohexane	7.79	56	7550	1.289	ug/l #	10
36) 1,1-Dichloropropene	7.79	75	27574	5.312	ug/l #	50
38) Carbon Tetrachloride	7.80	117	36066	6.730	ug/l #	17
49) 1,4-Dioxane	9.28	88	69	2.517	ug/l #	23
76) 1,2,3-Trichloropropane	12.48	75	102518	60.522	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	102518	117.787	ug/l #	13

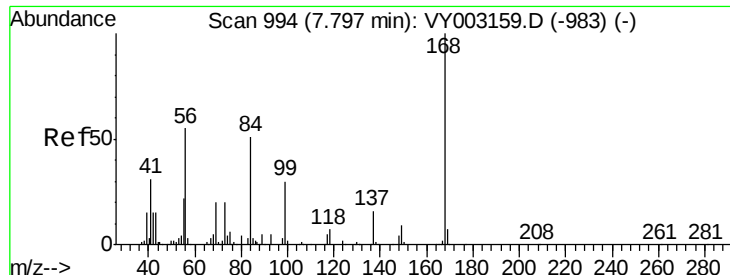
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
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Quant Time: Jul 21 03:18:59 2020
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: VY003235.D

Acq: 20 Jul 2020 16:35

Instrument :

MSVOA_Y

ClientSampleId :

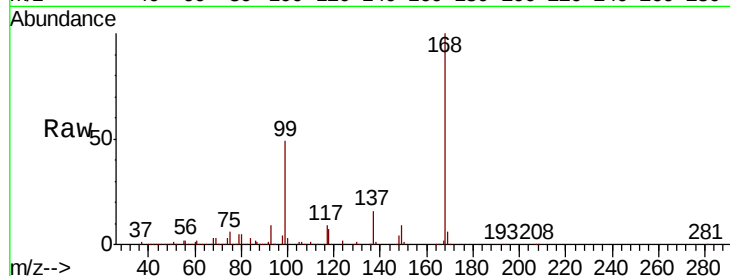
9RE

Tot Ion:168 Resp: 381541

Ion Ratio Lower Upper

168 100

99 49.3 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003159.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003159.D (-983) (-)

7.80

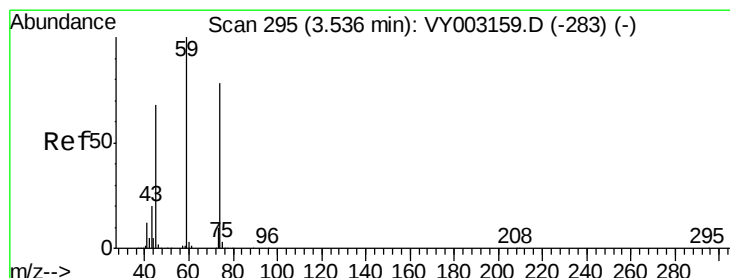
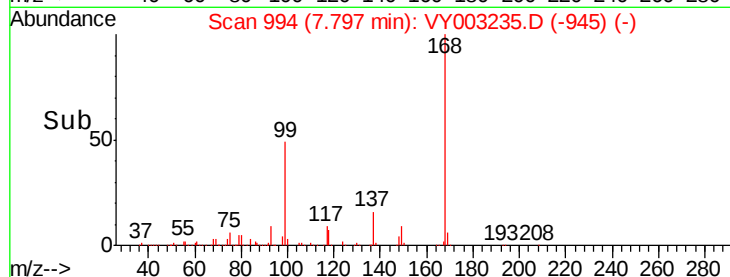
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.072 ug/l

RT: 3.53 min Scan# 294

Delta R.T. -0.01 min

Lab File: VY003235.D

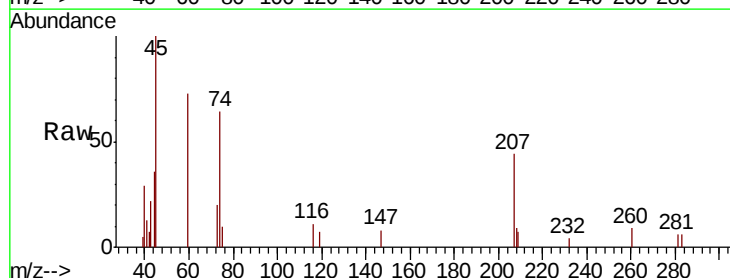
Acq: 20 Jul 2020 16:35

Tgt Ion: 74 Resp: 1997

Ion Ratio Lower Upper

74 100

45 107.1 45.3 135.8



Abundance Ion 74.00 (73.70 to 74.70): VY003159.D (-283) (-)

Ion 45.00 (44.70 to 45.70): VY003159.D (-283) (-)

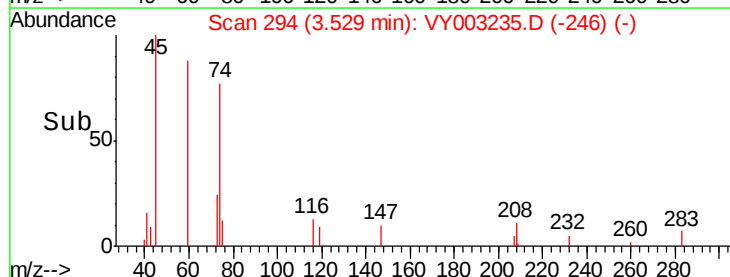
1500

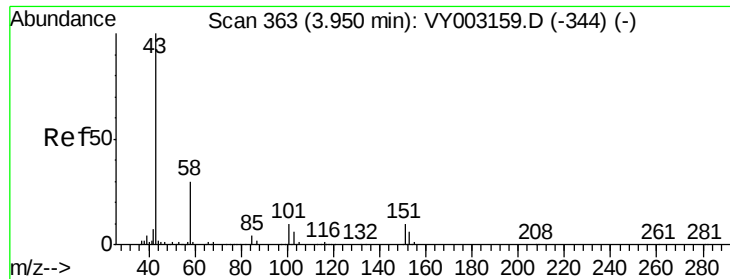
1000

500

0

Time-->





#16

Acetone

Concen: 4.934 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003235.D

Acq: 20 Jul 2020 16:35

Instrument :

MSVOA_Y

ClientSampleId :

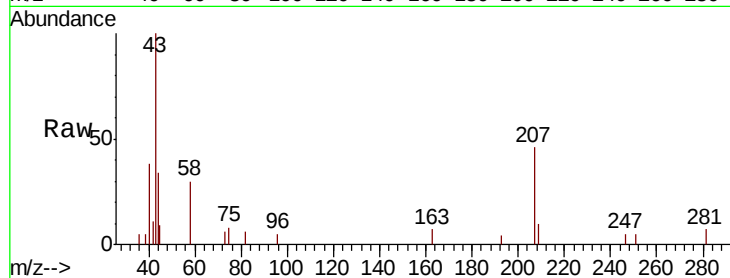
9RE

Tot Ion: 43 Resp: 3549

Ion Ratio Lower Upper

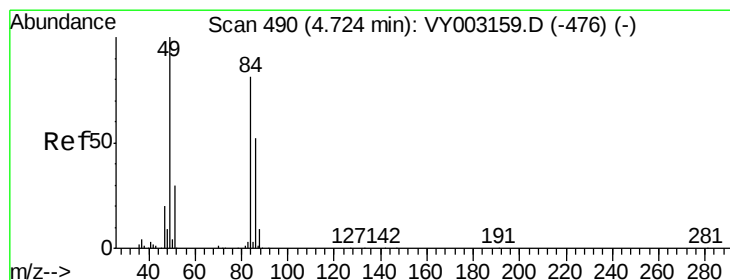
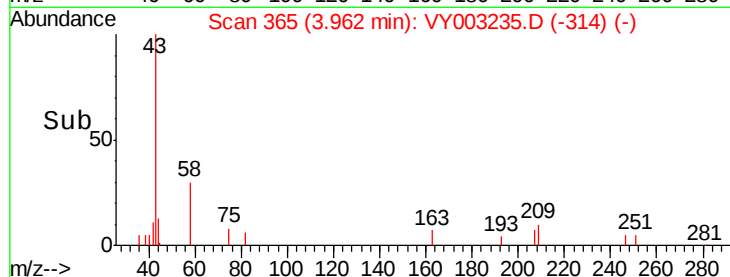
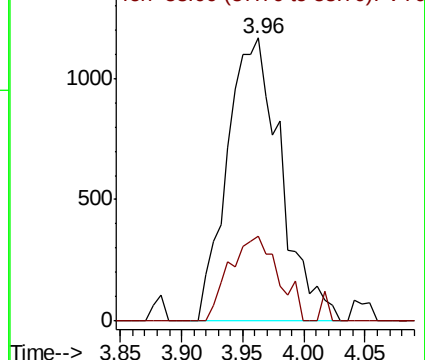
43 100

58 30.0 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 9.609 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY003235.D

Acq: 20 Jul 2020 16:35

Tgt Ion: 84 Resp: 50844

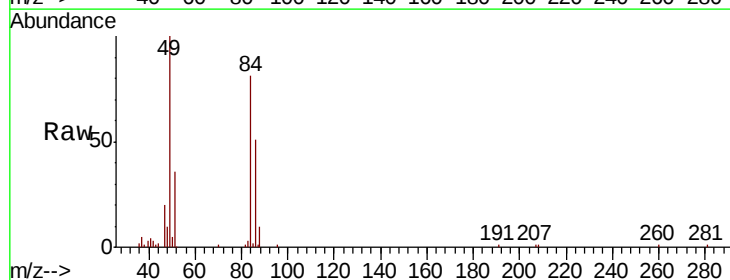
Ion Ratio Lower Upper

84 100

49 123.3 98.2 147.4

51 44.2 29.8 44.6

86 62.3 51.2 76.8

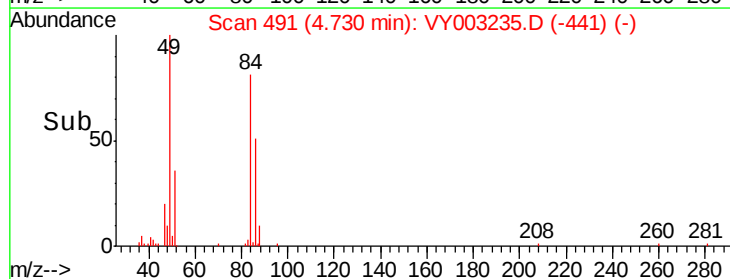
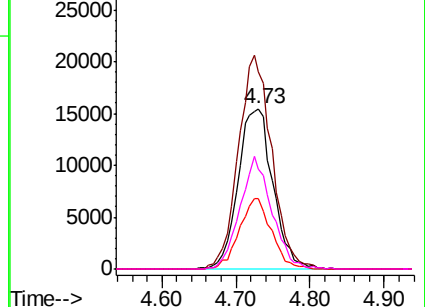


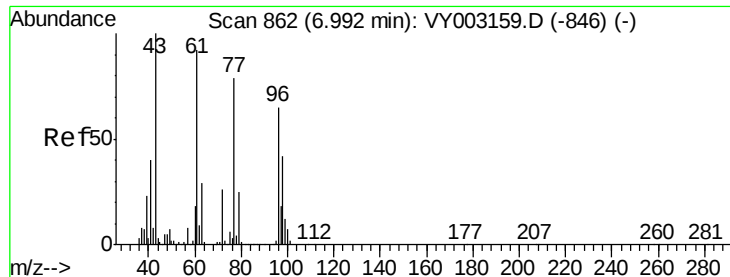
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#25

2-Butanone

Concen: 1.066 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY003235.D

Acq: 20 Jul 2020 16:35

Instrument :

MSVOA_Y

ClientSampleId :

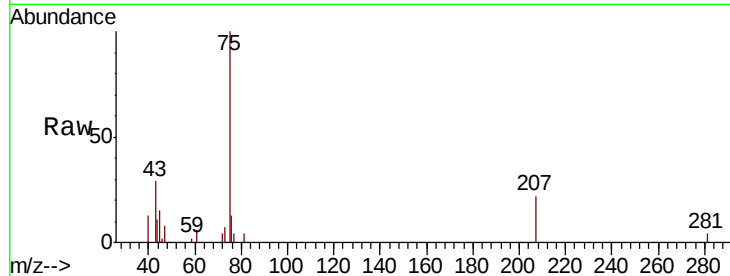
9RE

Tot Ion: 43 Resp: 1259

Ion Ratio Lower Upper

43 100

72 15.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

6.99

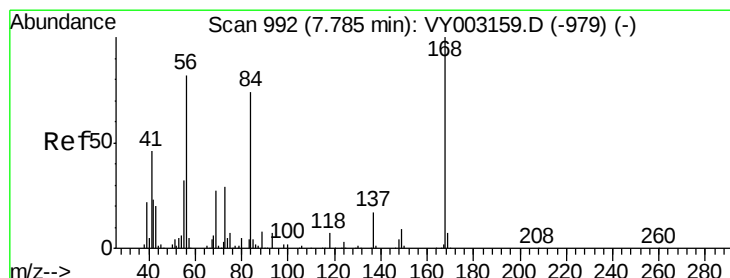
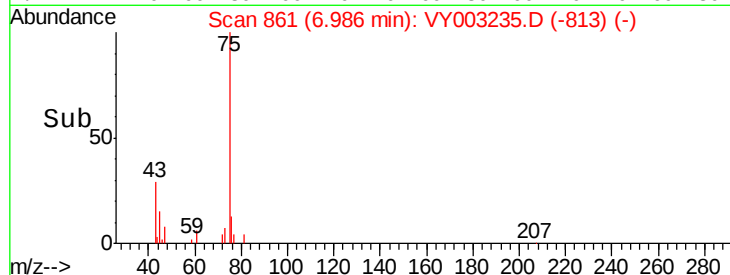
400

200

0

6.95 7.00 7.05

Time-->



#31

Cyclohexane

Concen: 1.289 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003235.D

Acq: 20 Jul 2020 16:35

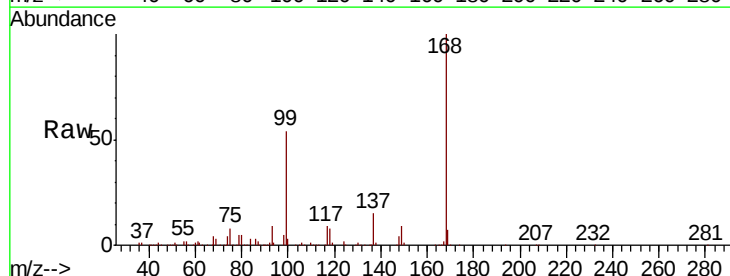
Tgt Ion: 56 Resp: 7550

Ion Ratio Lower Upper

56 100

69 163.5 26.7 40.1#

84 127.4 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

6000

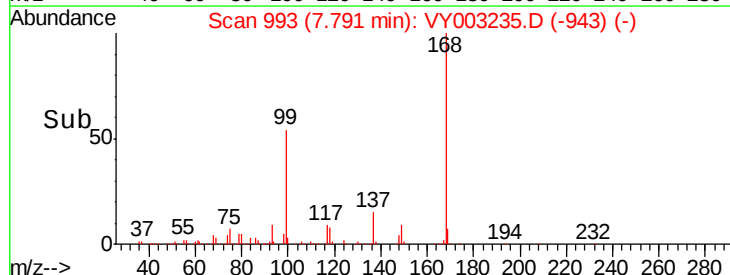
4000

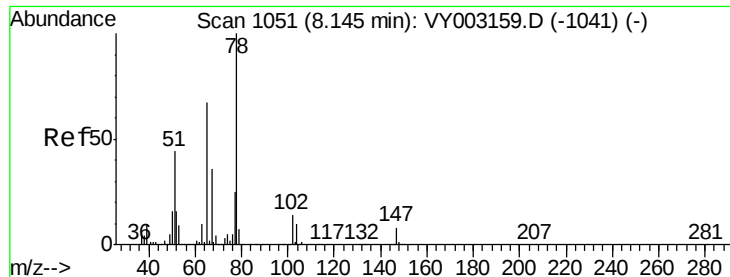
2000

0

7.70 7.75 7.80 7.85

Time-->

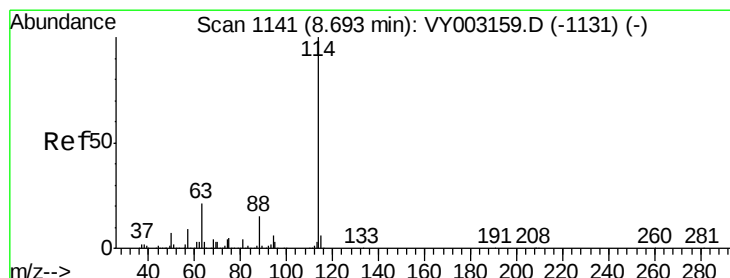
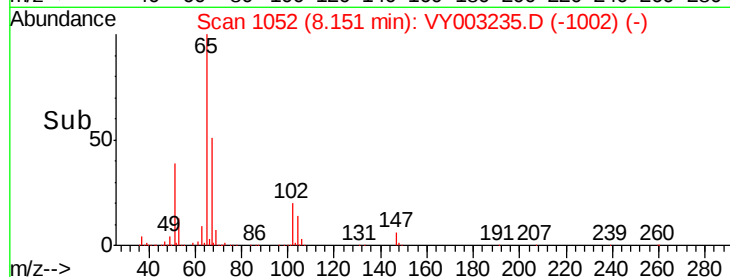
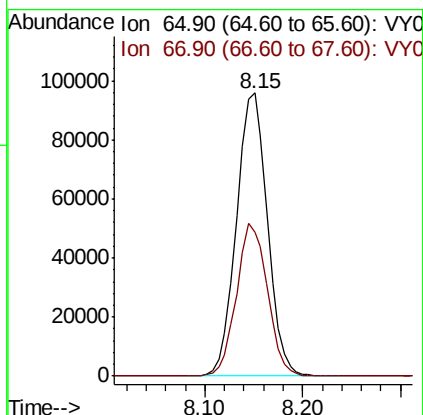
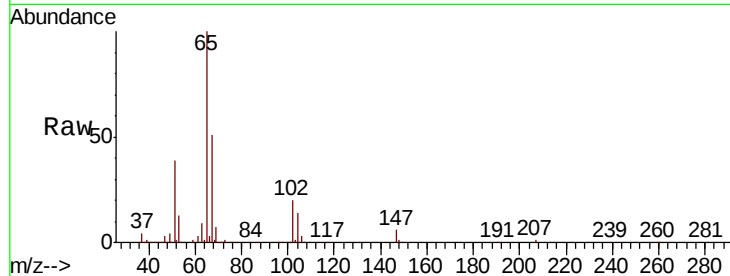




#33
 1,2-Dichloroethane-d4
 Concen: 65.573 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003235.D
 Acq: 20 Jul 2020 16:35

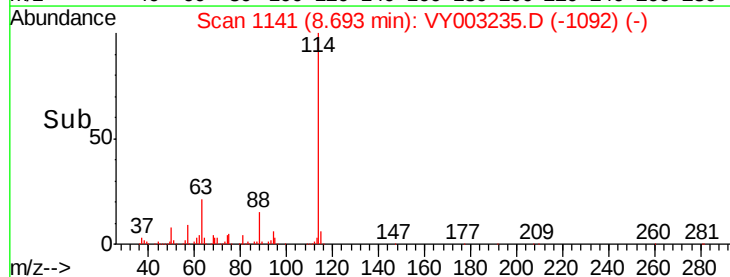
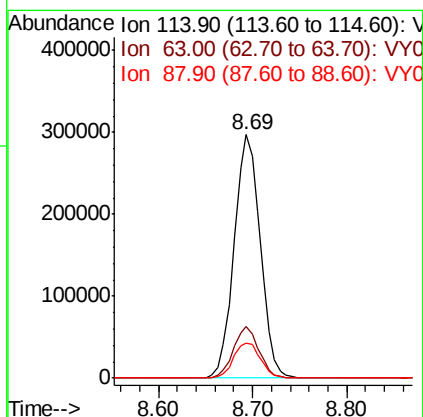
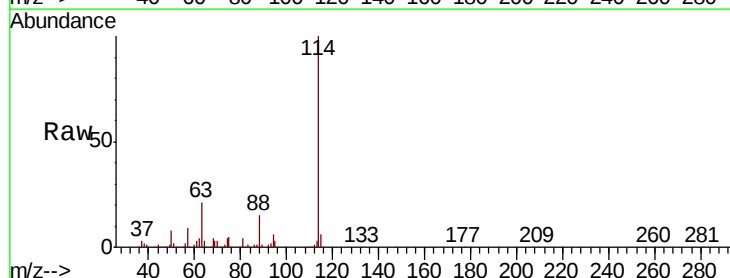
Instrument :
 MSVOA_Y
 ClientSampled :
 9RE

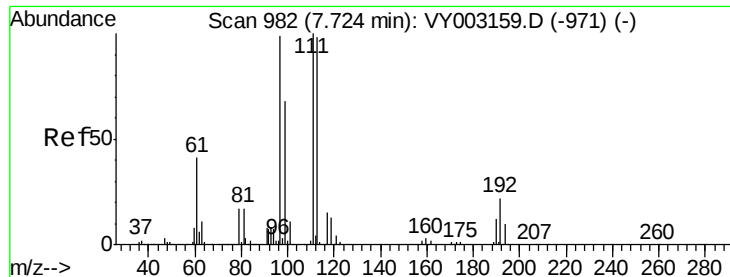
Tot Ion: 65 Resp: 211166
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003235.D
 Acq: 20 Jul 2020 16:35

Tgt Ion: 114 Resp: 572713
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 41.2
 88 14.6 0.0 30.2

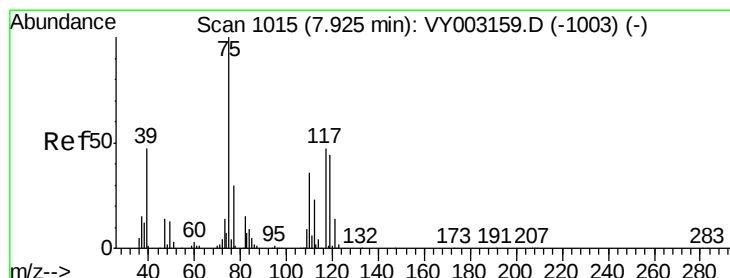
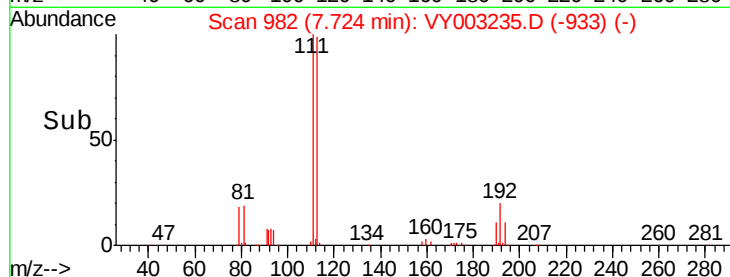
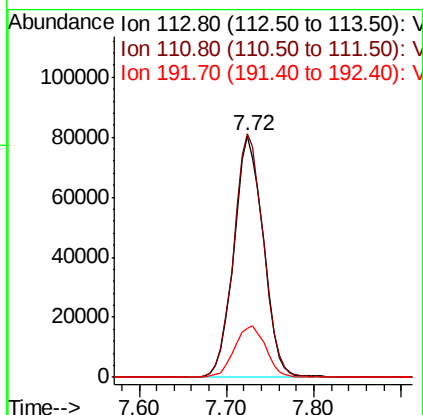
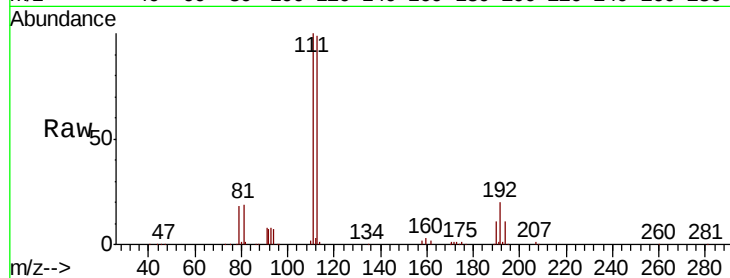




#35
 Dibromofluoromethane
 Concen: 57.156 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003235.D
 Acq: 20 Jul 2020 16:35

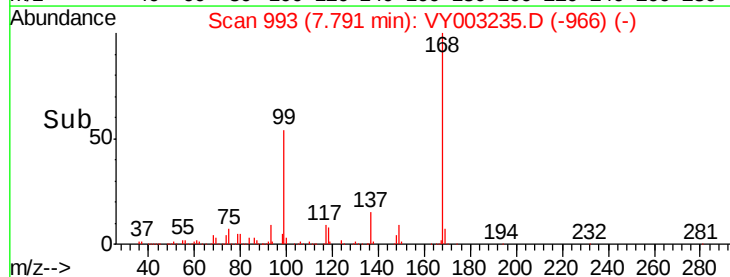
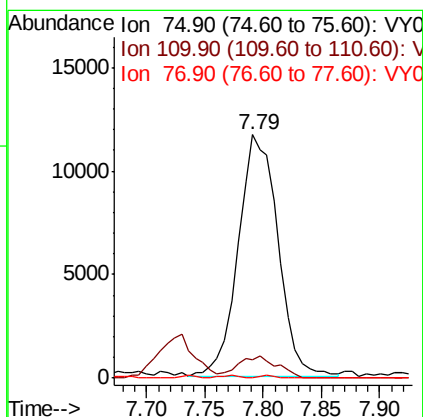
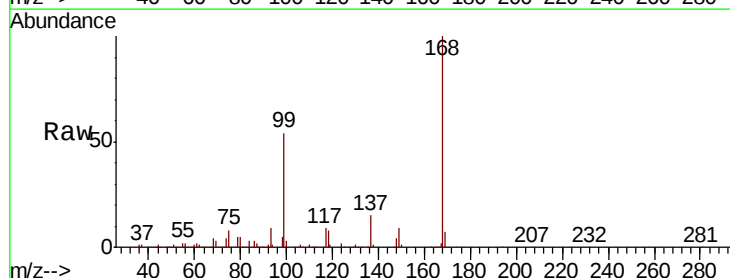
Instrument :
 MSVOA_Y
 ClientSampleId :
 9RE

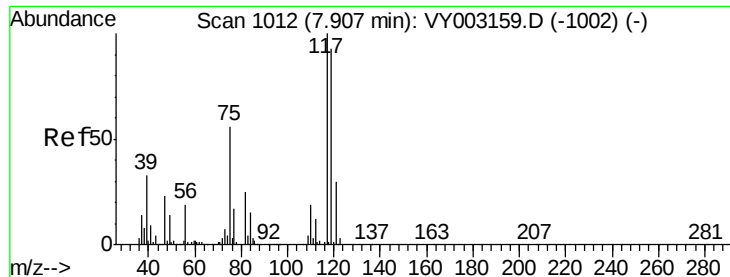
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.1	123.1
192	22.6	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 5.312 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003235.D
 Acq: 20 Jul 2020 16:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.1#
77	0.3	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.730 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003235.D

Acq: 20 Jul 2020 16:35

Instrument :

MSVOA_Y

ClientSampled :

9RE

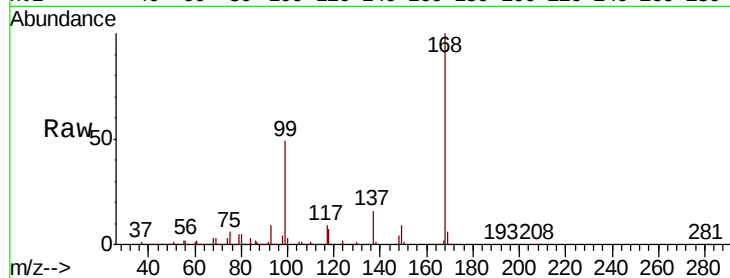
Tot Ion:117 Resp: 36066

Ion Ratio Lower Upper

117 100

119 4.5 74.5 111.7#

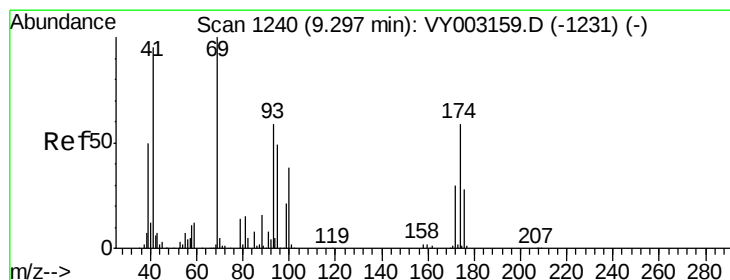
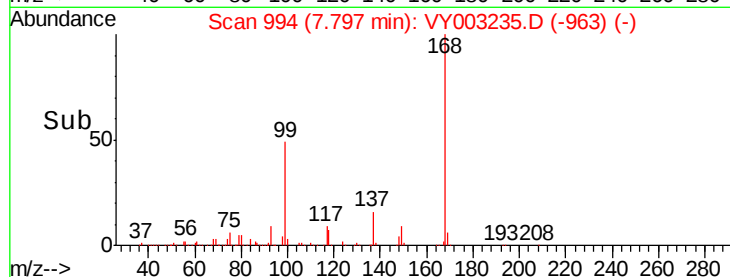
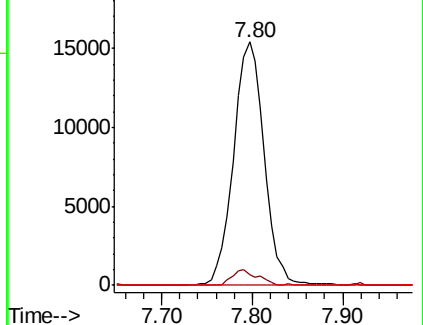
121 0.0 24.2 36.2#



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: 2.517 ug/l

RT: 9.28 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VY003235.D

Acq: 20 Jul 2020 16:35

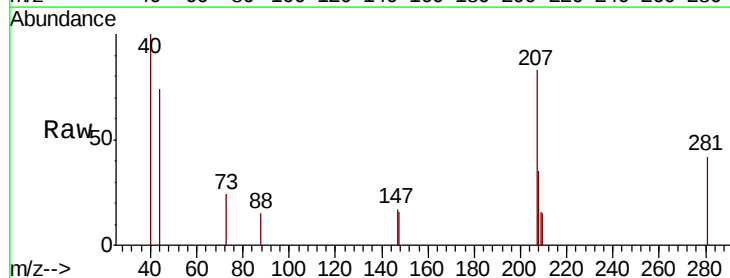
Tgt Ion: 88 Resp: 69

Ion Ratio Lower Upper

88 100

43 72.5 25.6 38.4#

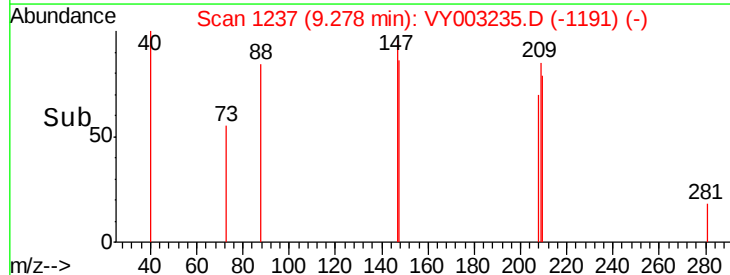
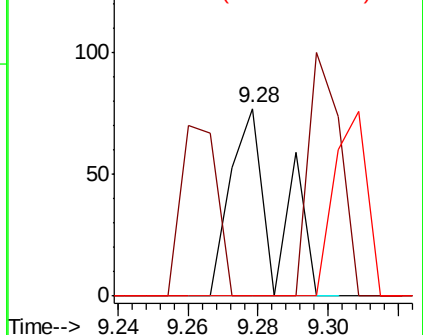
58 0.0 47.8 71.6#

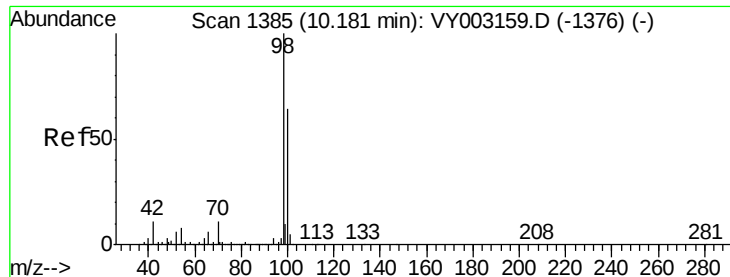


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 55.389 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003235.D

Acq: 20 Jul 2020 16:35

Instrument :

MSVOA_Y

ClientSampleId :

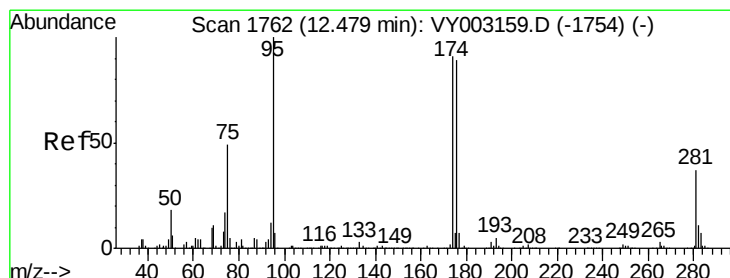
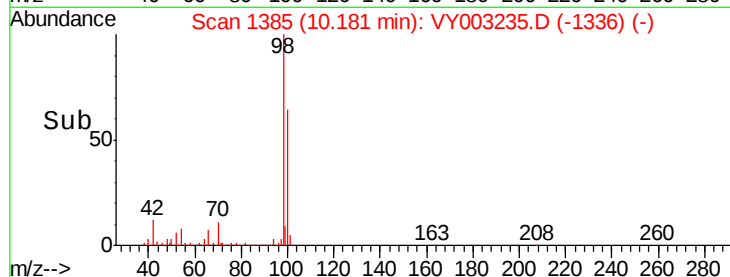
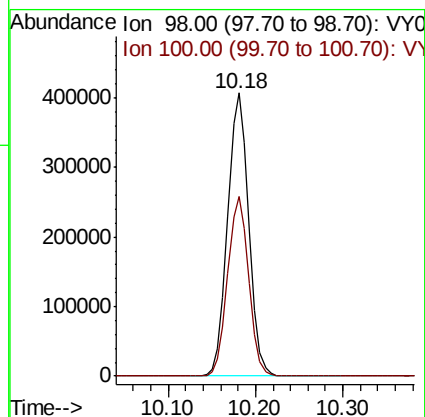
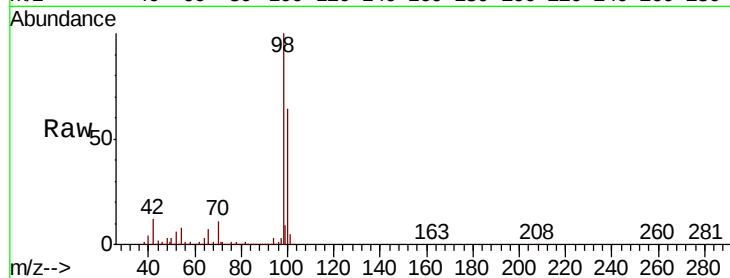
9RE

Tot Ion: 98 Resp: 678701

Ion Ratio Lower Upper

98 100

100 63.5 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 44.701 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003235.D

Acq: 20 Jul 2020 16:35

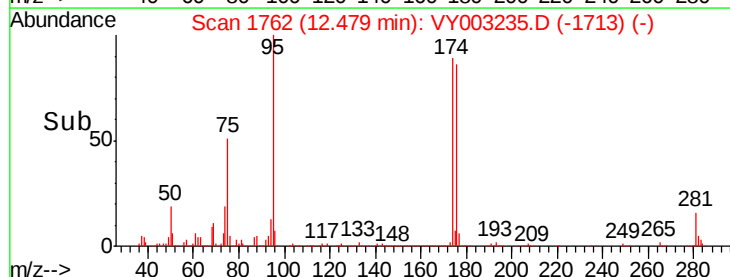
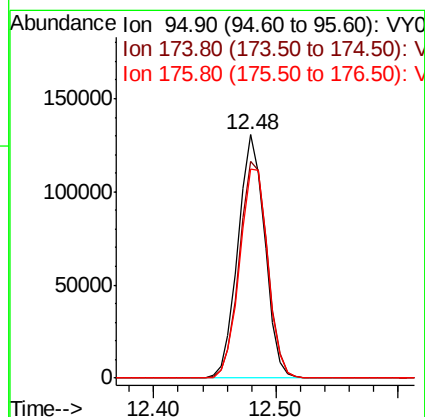
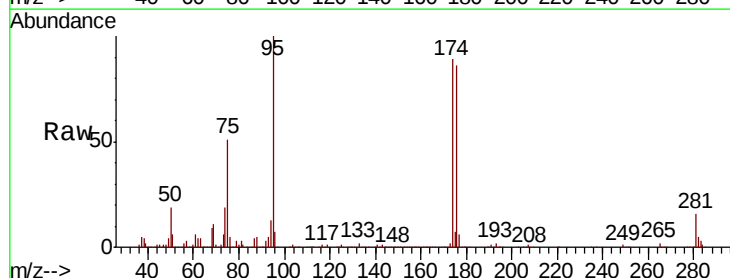
Tgt Ion: 95 Resp: 197877

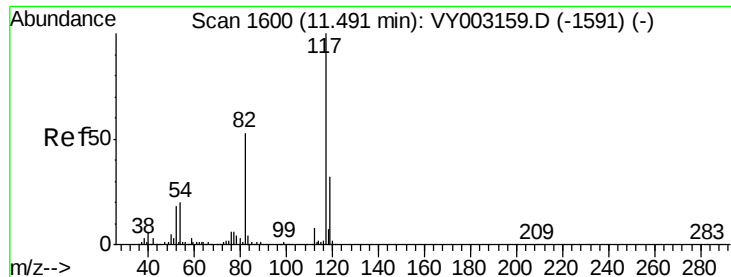
Ion Ratio Lower Upper

95 100

174 93.4 0.0 190.6

176 90.5 0.0 186.4

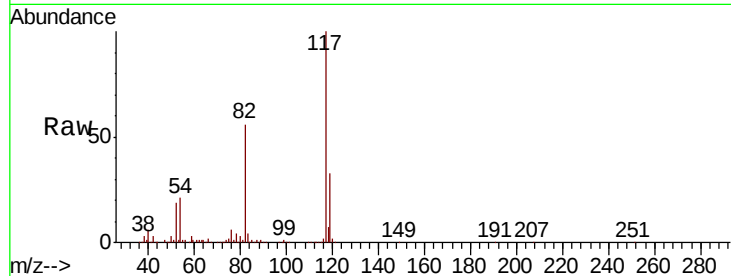




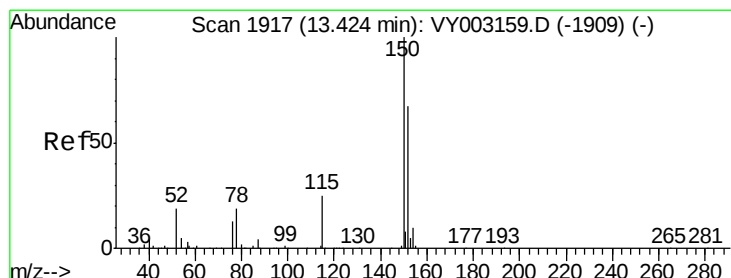
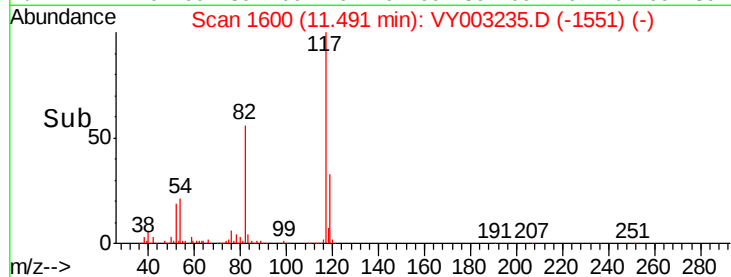
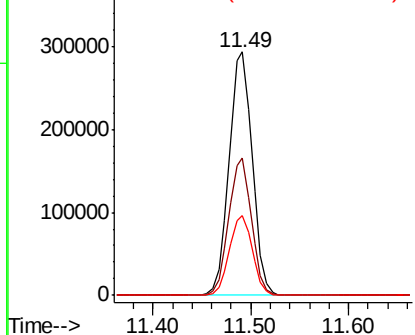
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003235.D
Acq: 20 Jul 2020 16:35

Instrument :
MSVOA_Y
ClientSampleId :
9RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	42.0	63.0
119	32.5	25.5	38.3

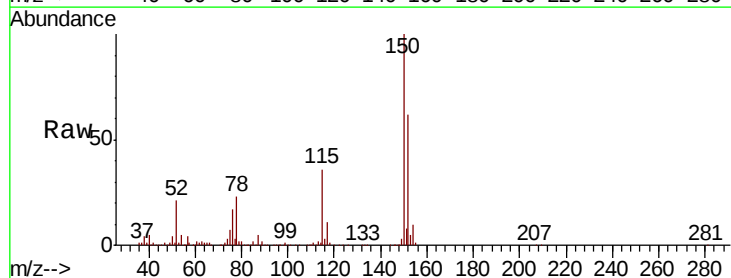


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

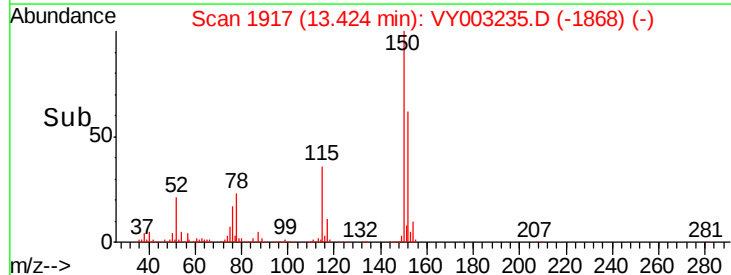
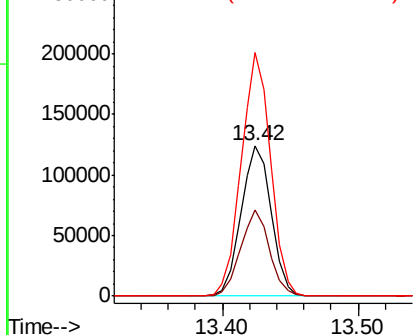


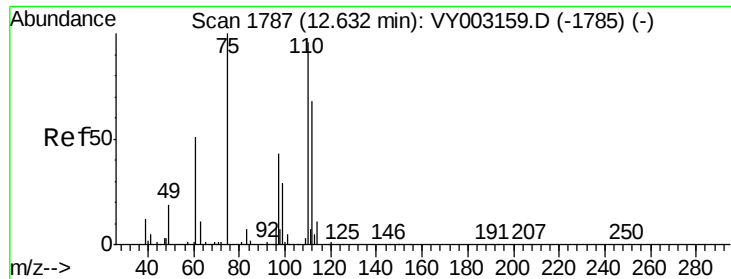
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003235.D
Acq: 20 Jul 2020 16:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	26.9	80.7
150	158.0	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: 60.522 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003235.D

Acq: 20 Jul 2020 16:35

Instrument :

MSVOA_Y

ClientSampleId :

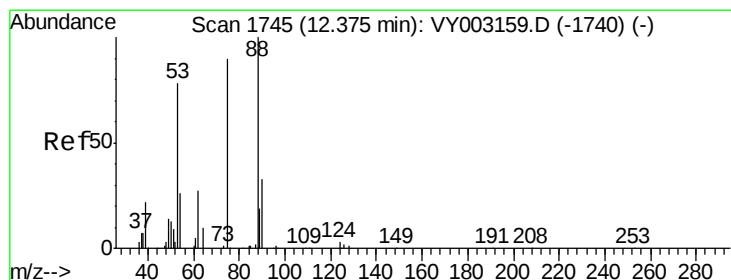
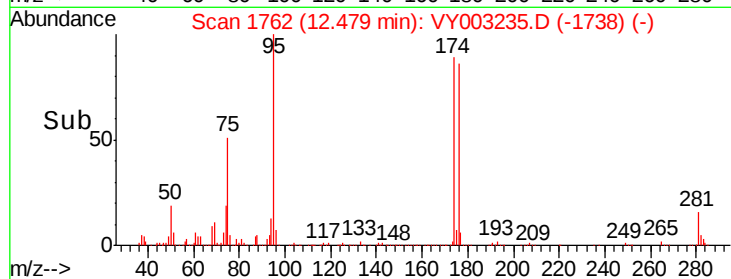
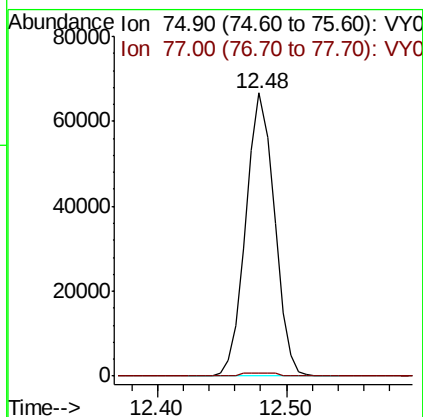
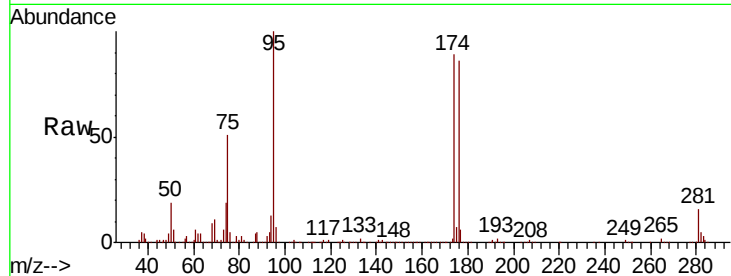
9RE

Tot Ion: 75 Resp: 102518

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 117.787 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003235.D

Acq: 20 Jul 2020 16:35

Tgt Ion: 75 Resp: 102518

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.3 37.3 55.9#

