

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY073120\
 Data File : VY003395.D
 Acq On : 31 Jul 2020 17:33
 Operator : SY/MD
 Sample : L3518-07
 Misc : 3.75G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 01 01:28:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 31 13:09:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	416450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	656419	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	607471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	304570	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	207389	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
35) Dibromofluoromethane	7.72	113	203725	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
50) Toluene-d8	10.18	98	799921	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
62) 4-Bromofluorobenzene	12.48	95	259786	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	

Target Compounds

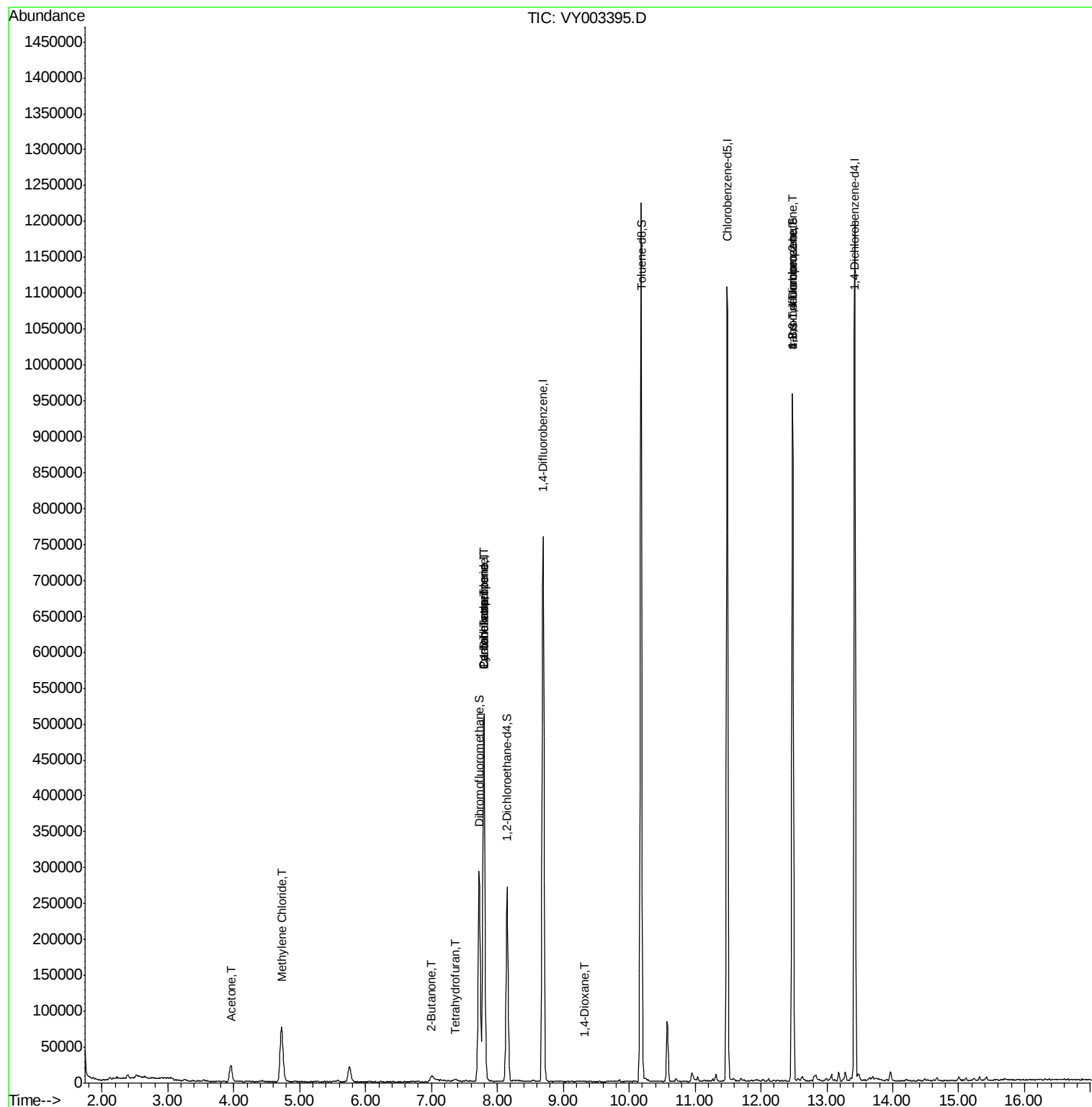
					Qvalue	
11) Tert butyl alcohol	4.97	59	149	Below Cal	#	73
16) Acetone	3.96	43	39220	40.088	ug/l	94
20) Methylene Chloride	4.73	84	60865	4.230	ug/l	95
25) 2-Butanone	6.99	43	5813	3.899	ug/l	95
29) Tetrahydrofuran	7.35	42	2379	2.446	ug/l	96
31) Cyclohexane	7.79	56	7932	1.130	ug/l	# 19
36) 1,1-Dichloropropene	7.79	75	29368	4.728	ug/l	# 50
38) Carbon Tetrachloride	7.80	117	38582	6.036	ug/l	# 16
49) 1,4-Dioxane	9.33	88	34	1.037	ug/l	# 25
76) 1,2,3-Trichloropropane	12.48	75	135097	49.376	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.48	75	135097	93.382	ug/l	# 15

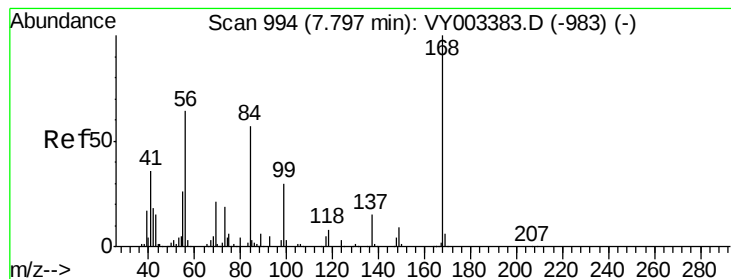
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 31 13:09:26 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: VY003395.D

Acq: 31 Jul 2020 17:33

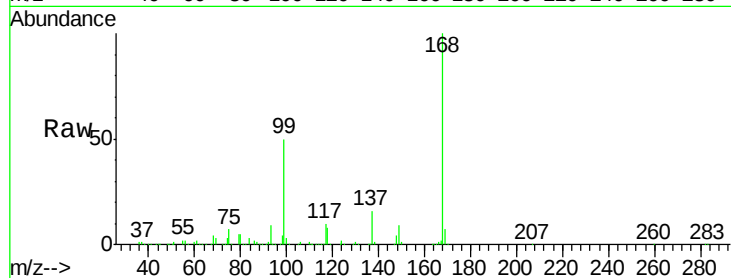
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 416450

Ion Ratio Lower Upper

168 100

99 50.0 38.8 58.2



Abundance Ion 167.90 (167.60 to 168.60): VY003395.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003395.D (-945) (-)

7.80

200000

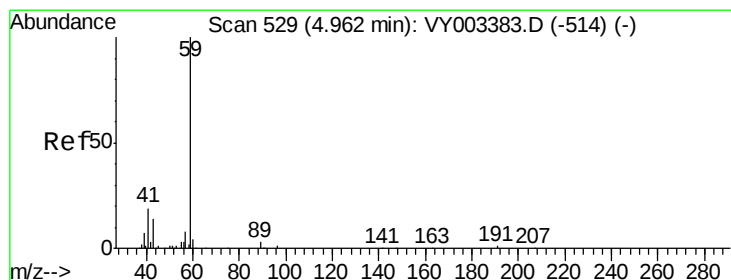
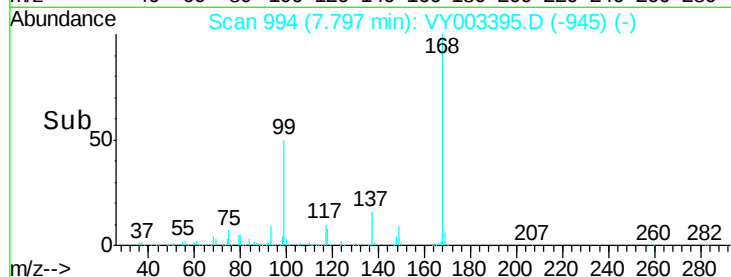
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. 0.01 min

Lab File: VY003395.D

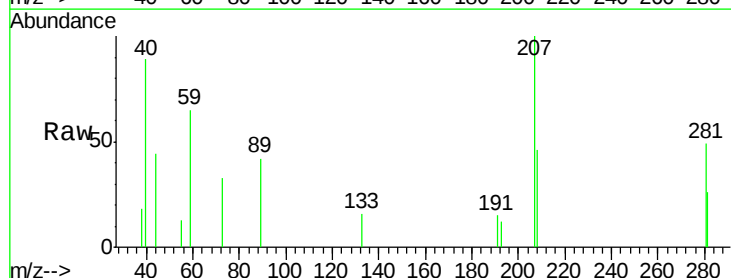
Acq: 31 Jul 2020 17:33

Tgt Ion: 59 Resp: 149

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY003395.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003395.D (-480) (-)

4.97

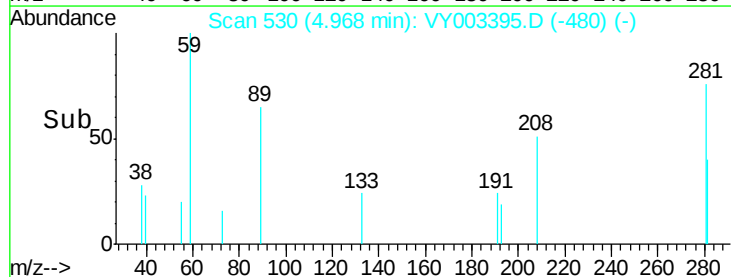
300

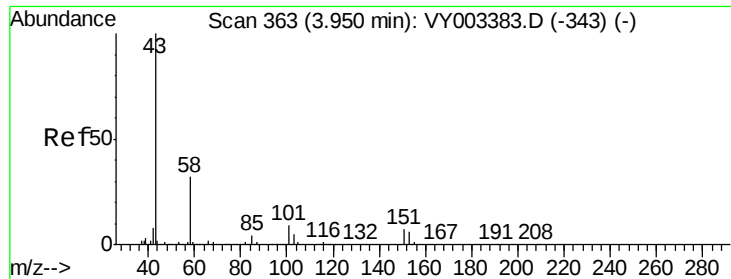
200

100

0

Time-->





#16

Acetone

Concen: 40.088 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003395.D

Acq: 31 Jul 2020 17:33

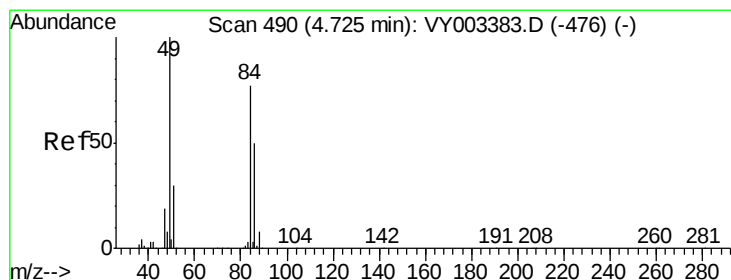
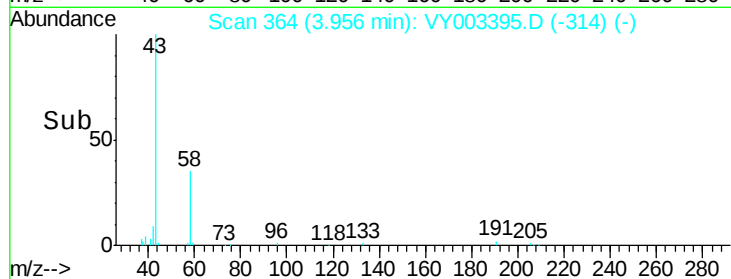
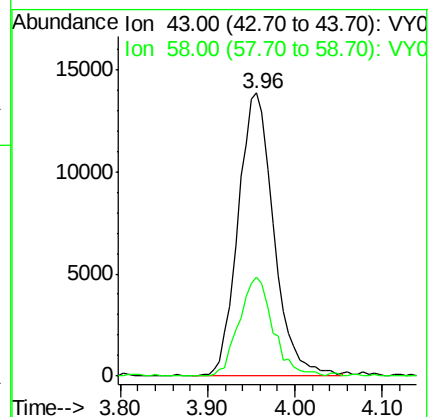
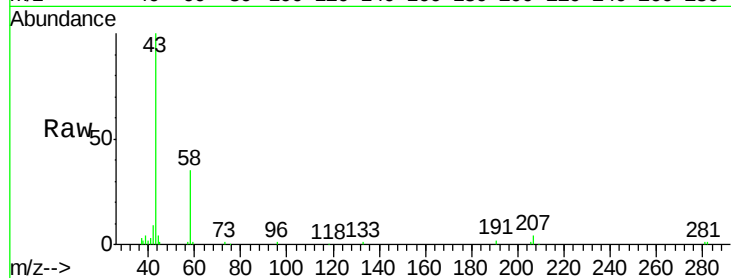
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 39220

Ion Ratio Lower Upper

43 100

58 35.1 25.4 38.2



#20

Methylene Chloride

Concen: 4.230 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY003395.D

Acq: 31 Jul 2020 17:33

Tgt Ion: 84 Resp: 60865

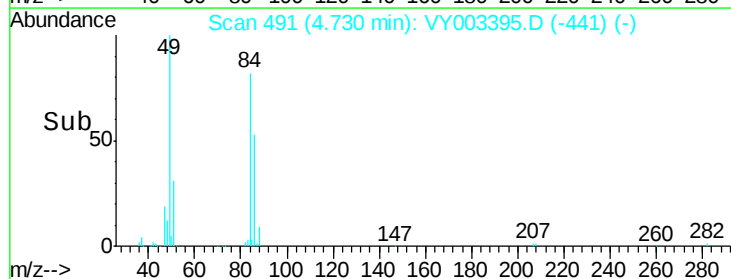
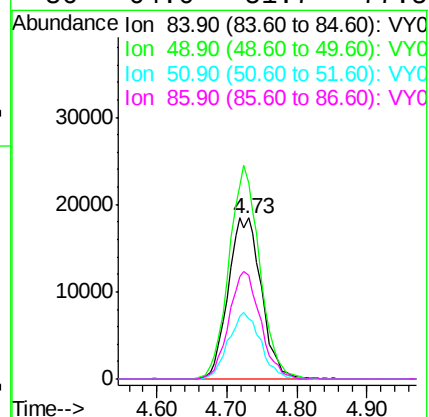
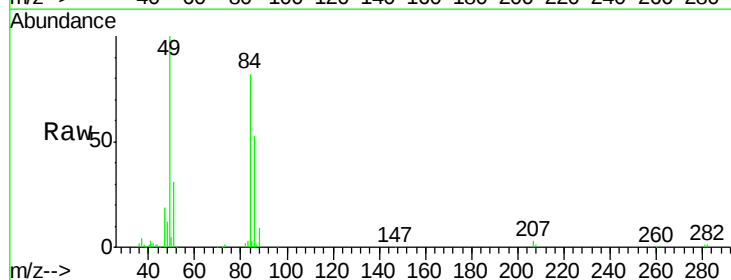
Ion Ratio Lower Upper

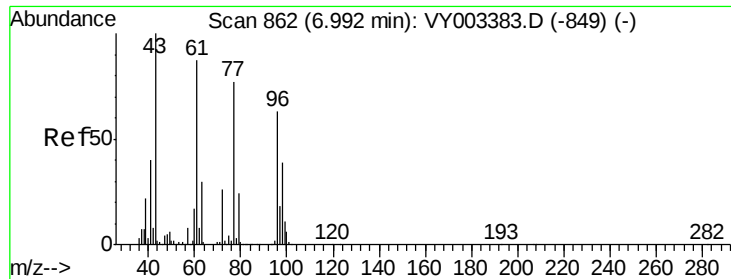
84 100

49 121.4 104.2 156.4

51 37.6 31.5 47.3

86 64.0 51.7 77.5

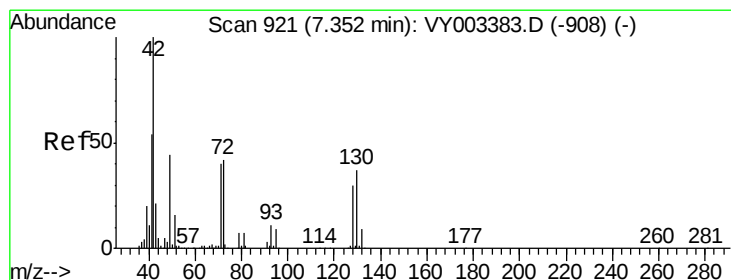
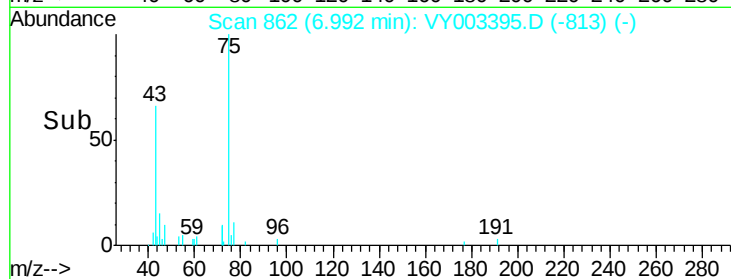
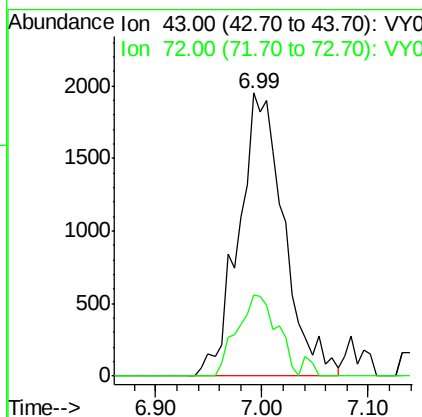
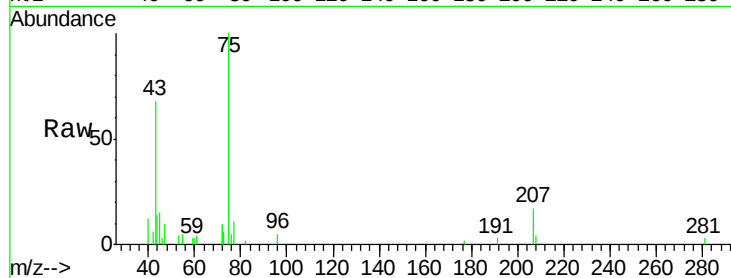




#25
2-Butanone
Concen: 3.899 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003395.D
Acq: 31 Jul 2020 17:33

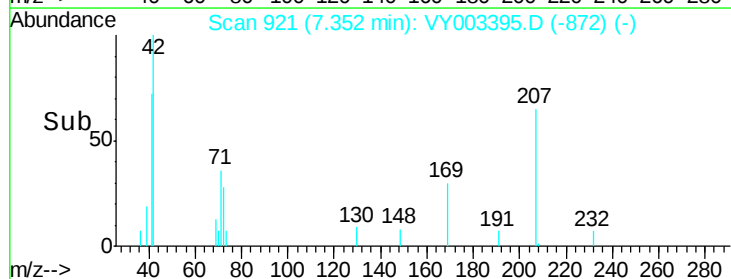
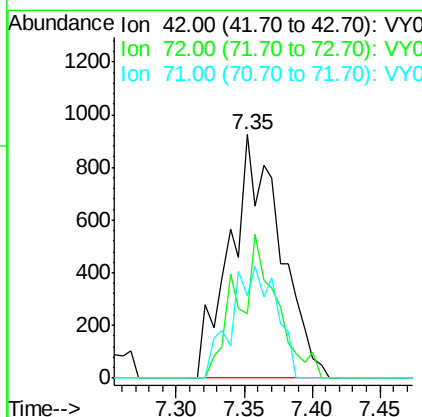
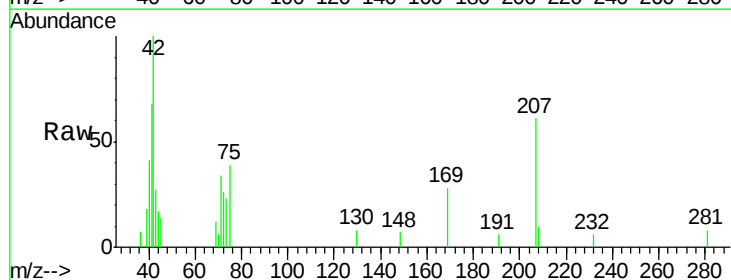
Instrument :
MSVOA_Y
ClientSampled :

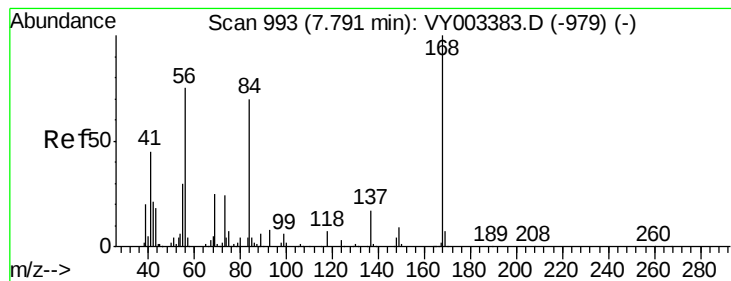
Tot Ion: 43 Resp: 5813
Ion Ratio Lower Upper
43 100
72 28.8 21.1 31.7



#29
Tetrahydrofuran
Concen: 2.446 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY003395.D
Acq: 31 Jul 2020 17:33

Tgt Ion: 42 Resp: 2379
Ion Ratio Lower Upper
42 100
72 46.3 33.5 50.3
71 40.9 32.1 48.1





#31

Cyclohexane

Concen: 1.130 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

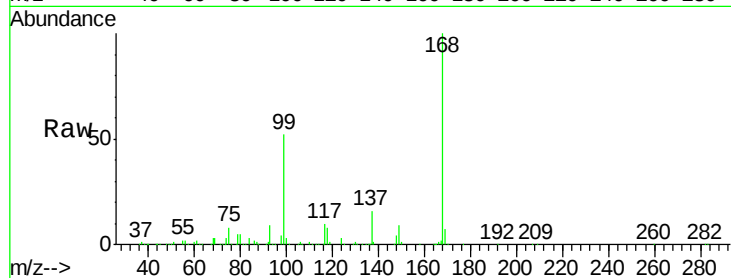
Lab File: VY003395.D

Acq: 31 Jul 2020 17:33

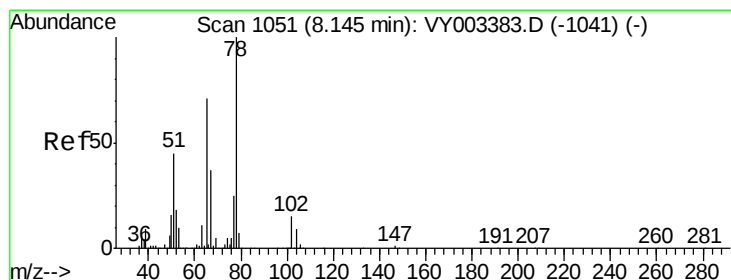
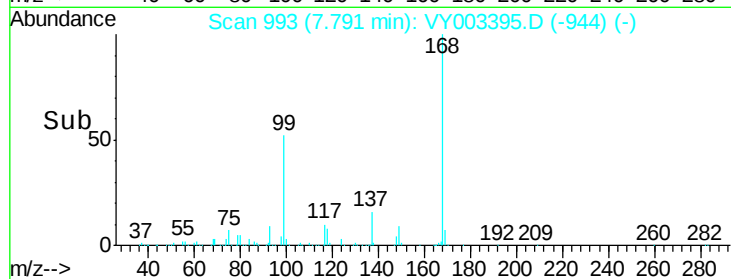
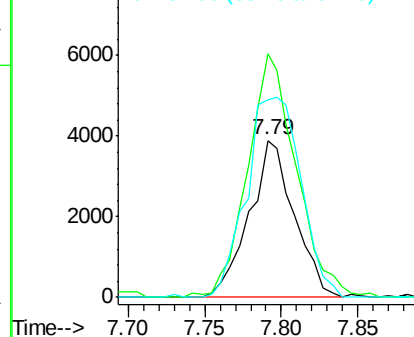
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 7932

Ion	Ratio	Lower	Upper
56	100		
69	152.5	26.1	39.1#
84	125.6	73.9	110.9#



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: 52.375 ug/l

RT: 8.15 min Scan# 1052

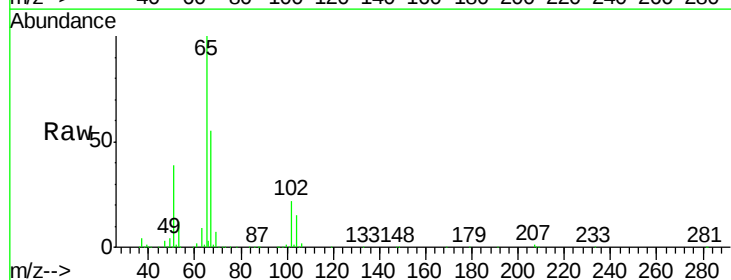
Delta R.T. 0.01 min

Lab File: VY003395.D

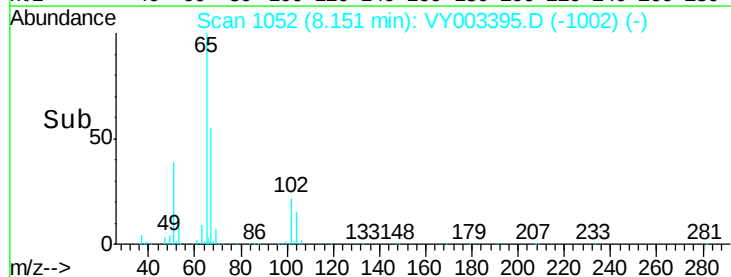
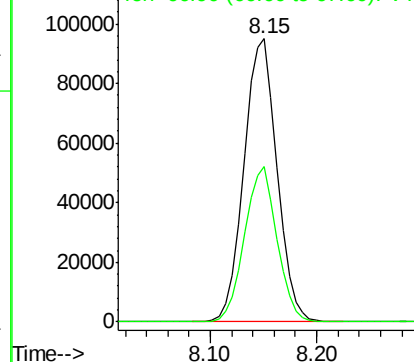
Acq: 31 Jul 2020 17:33

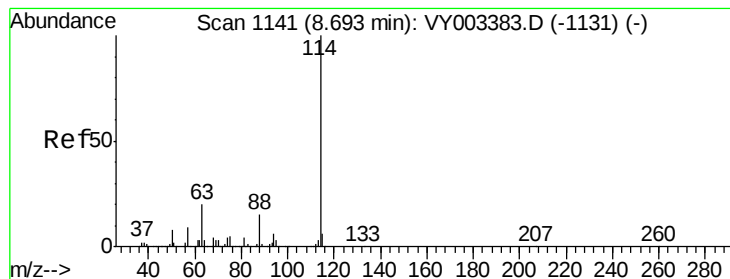
Tgt Ion: 65 Resp: 207389

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	106.6



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: VY003395.D

Acq: 31 Jul 2020 17:33

Instrument :

MSVOA_Y

ClientSampleId :

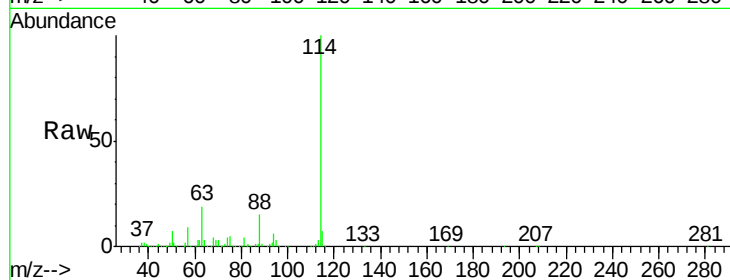
Tot Ion:114 Resp: 656419

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.6

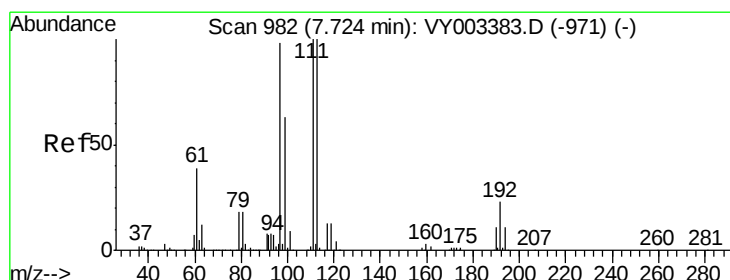
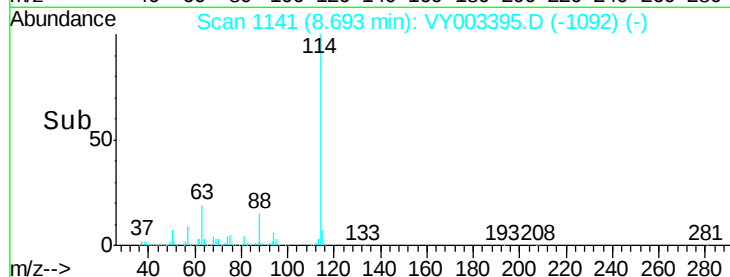
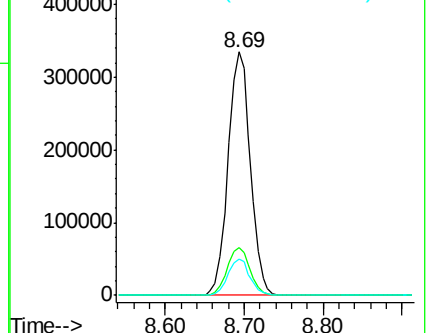
88 14.8 0.0 29.2



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: 52.687 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003395.D

Acq: 31 Jul 2020 17:33

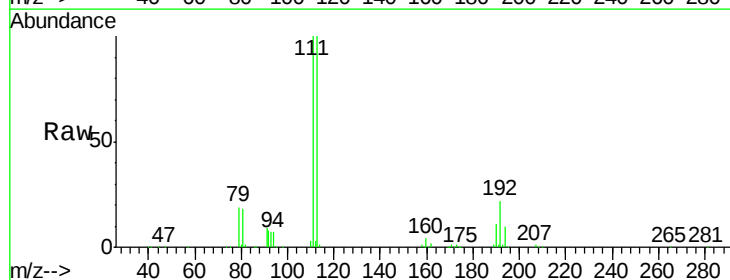
Tgt Ion:113 Resp: 203725

Ion Ratio Lower Upper

113 100

111 101.7 83.0 124.4

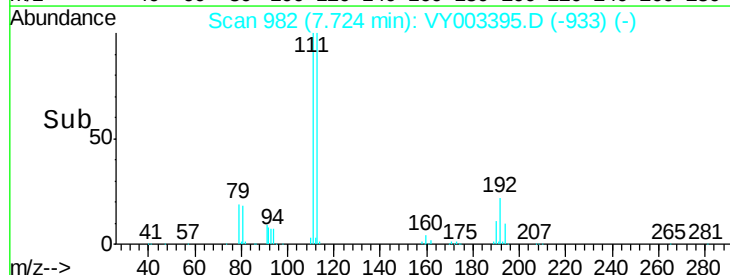
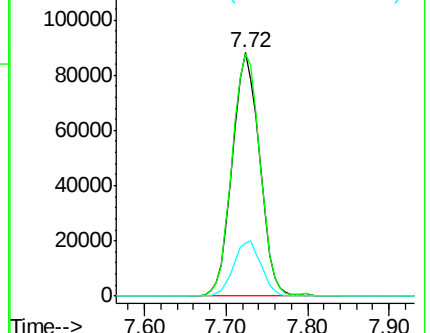
192 22.6 18.8 28.2

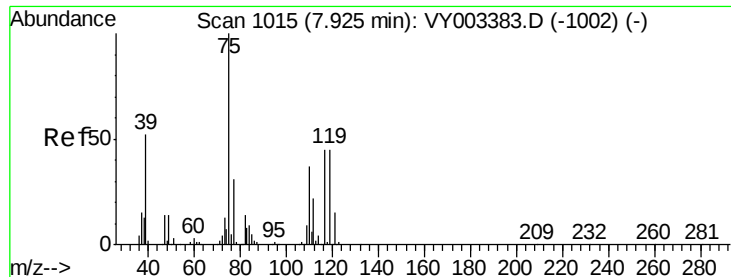


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.728 ug/l

RT: 7.79 min Scan# 993

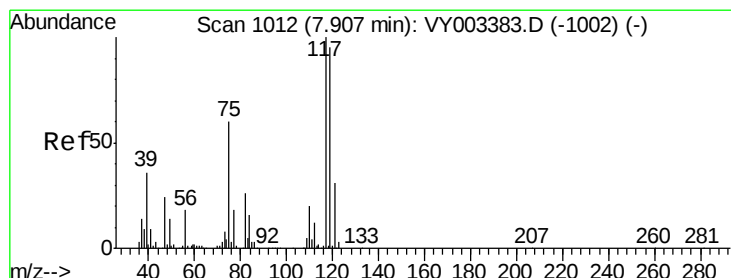
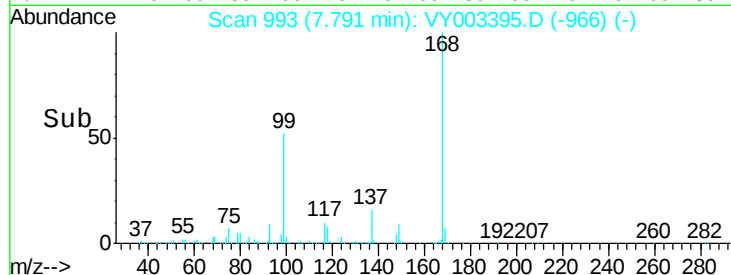
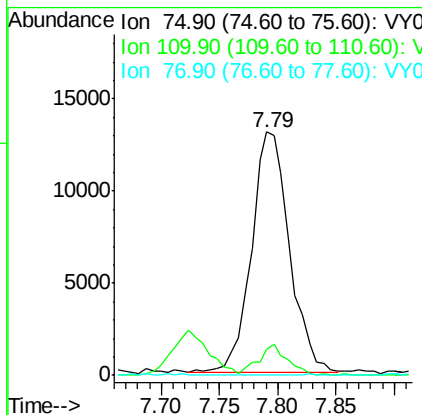
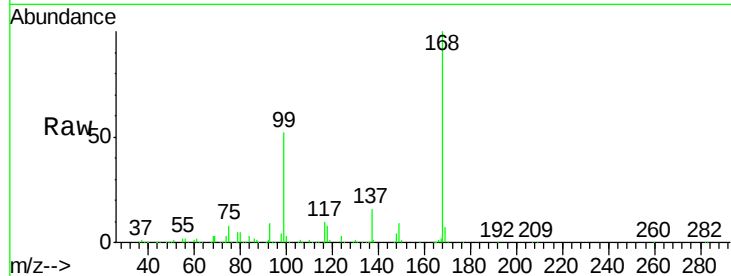
Delta R.T. -0.13 min

Lab File: VY003395.D

Acq: 31 Jul 2020 17:33

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	75	Resp:	29368
Ion Ratio	Lower	Upper	
75	100		
110	9.9	17.8	53.5#
77	0.0	24.6	36.8#



#38

Carbon Tetrachloride

Concen: 6.036 ug/l

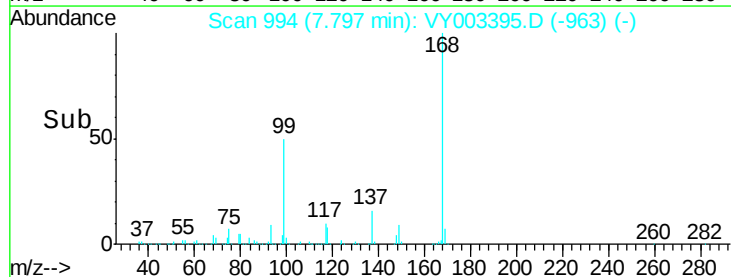
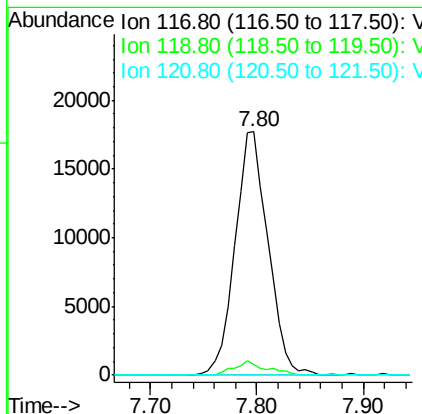
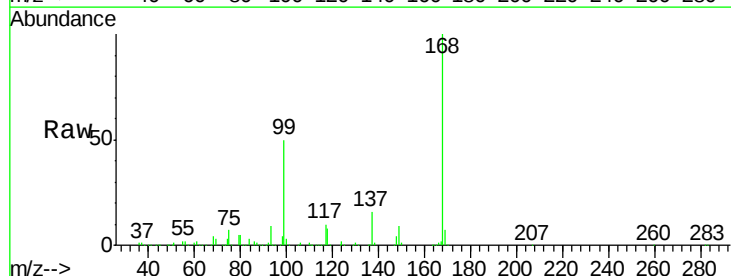
RT: 7.80 min Scan# 994

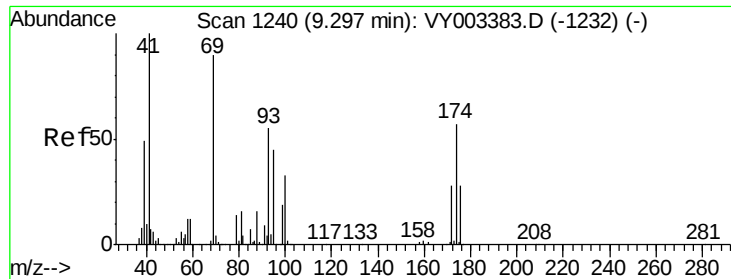
Delta R.T. -0.11 min

Lab File: VY003395.D

Acq: 31 Jul 2020 17:33

Tgt Ion:	117	Resp:	38582
Ion Ratio	Lower	Upper	
117	100		
119	4.2	76.1	114.1#
121	0.0	24.5	36.7#

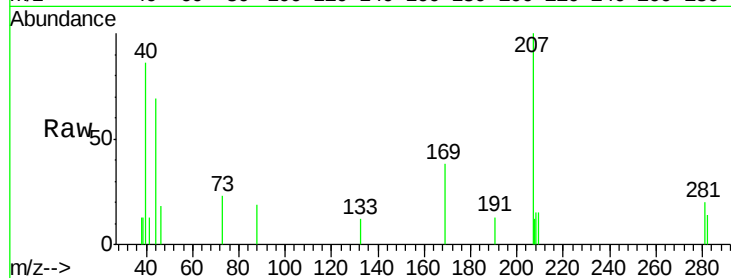




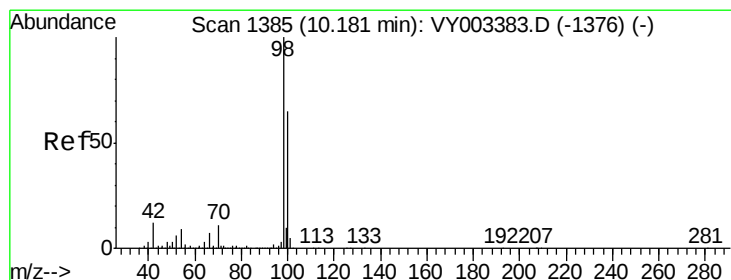
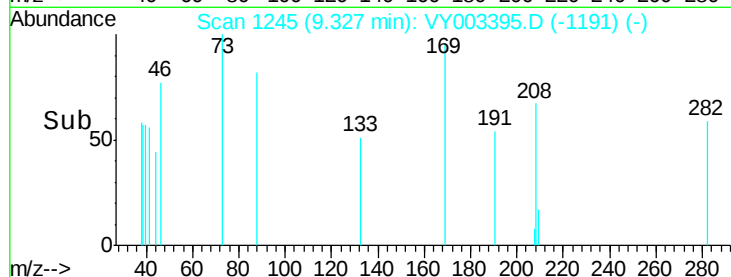
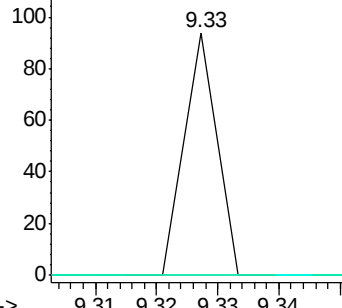
#49
1,4-Dioxane
Concen: 1.037 ug/l
RT: 9.33 min Scan# 1245
Delta R.T. 0.03 min
Lab File: VY003395.D
Acq: 31 Jul 2020 17:33

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 88 Resp: 34
Ion Ratio Lower Upper
88 100
43 0.0 24.9 37.3#
58 0.0 54.3 81.5#

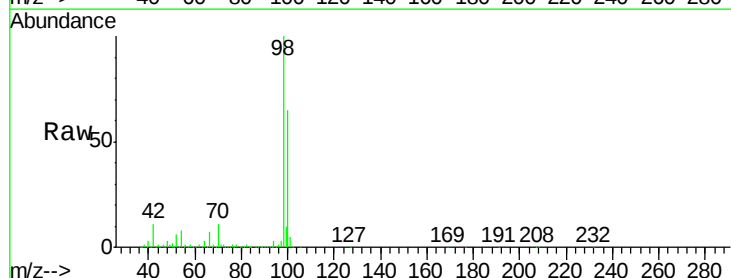


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

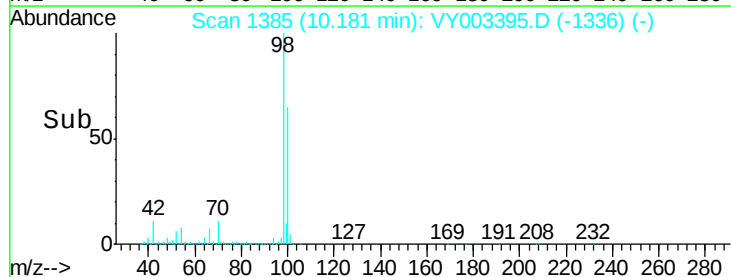
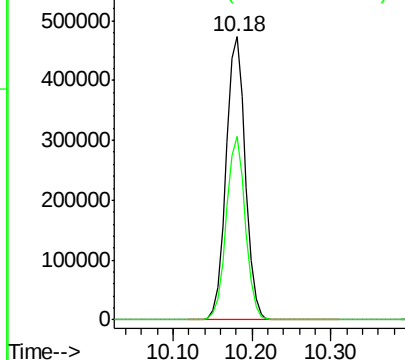


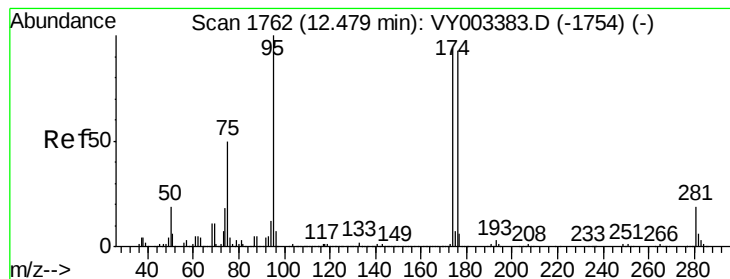
#50
Toluene-d8
Concen: 52.830 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003395.D
Acq: 31 Jul 2020 17:33

Tgt Ion: 98 Resp: 799921
Ion Ratio Lower Upper
98 100
100 63.8 51.3 76.9



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





#62

4-Bromofluorobenzene

Concen: 50.215 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003395.D

Acq: 31 Jul 2020 17:33

Instrument :

MSVOA_Y

ClientSampleId :

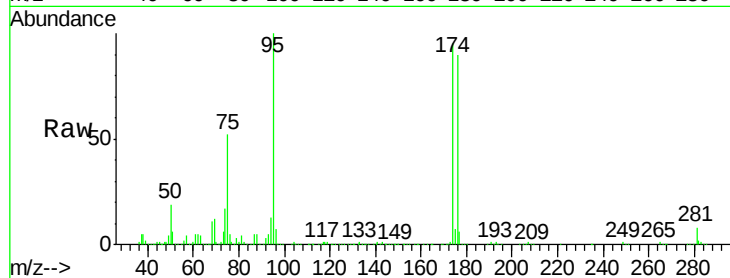
Tot Ion: 95 Resp: 259786

Ion Ratio Lower Upper

95 100

174 96.0 0.0 190.0

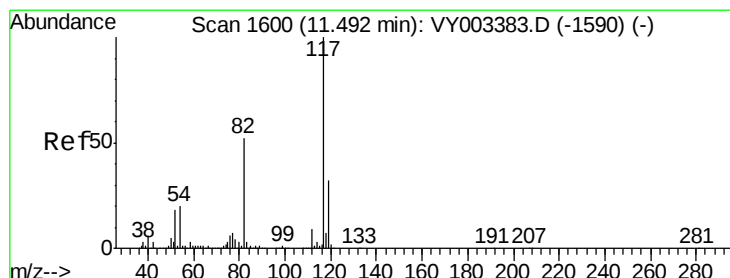
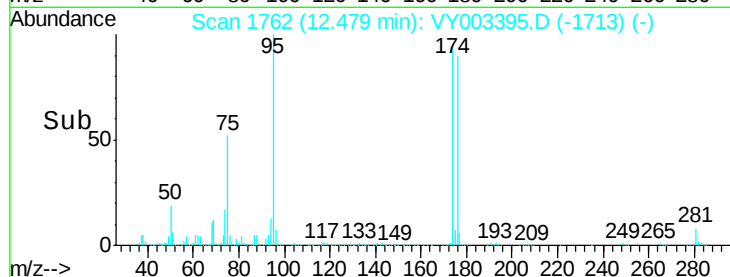
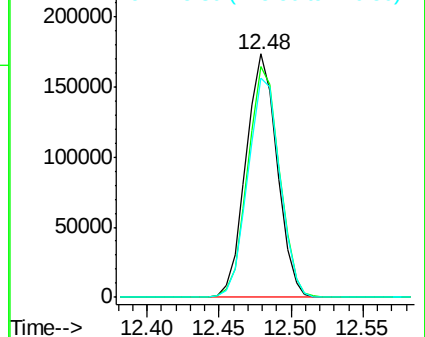
176 92.3 0.0 184.4



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: VY003395.D

Acq: 31 Jul 2020 17:33

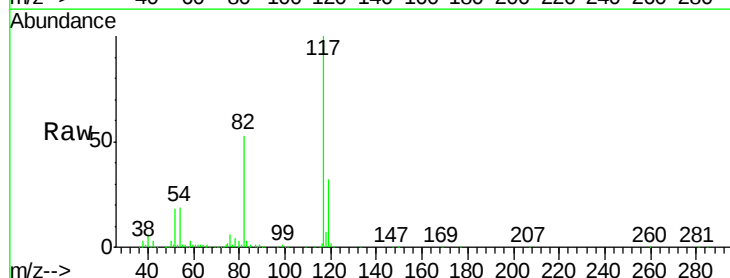
Tgt Ion: 117 Resp: 607471

Ion Ratio Lower Upper

117 100

82 52.9 41.9 62.9

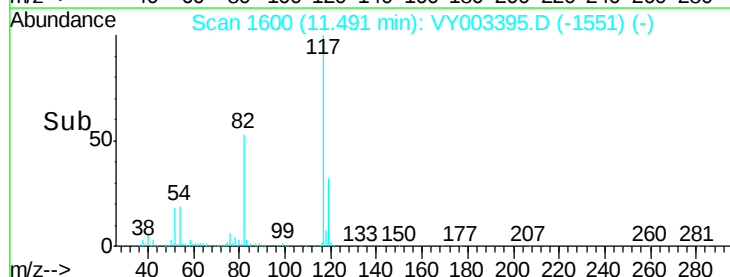
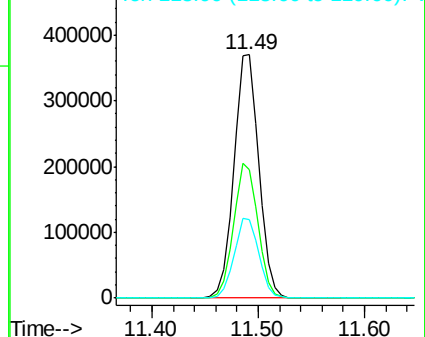
119 32.4 25.4 38.0

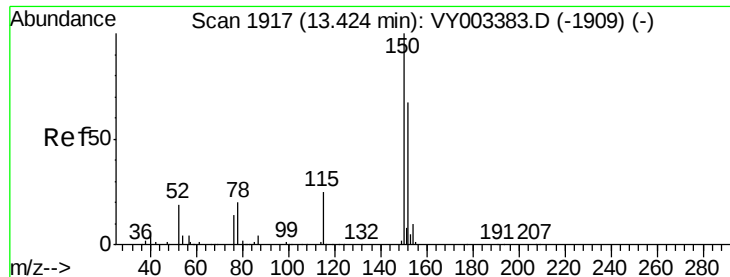


Abundance Ion 116.90 (116.60 to 117.60): VY0

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): VY0



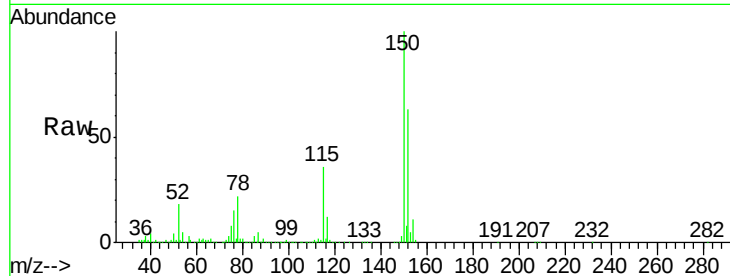


#72

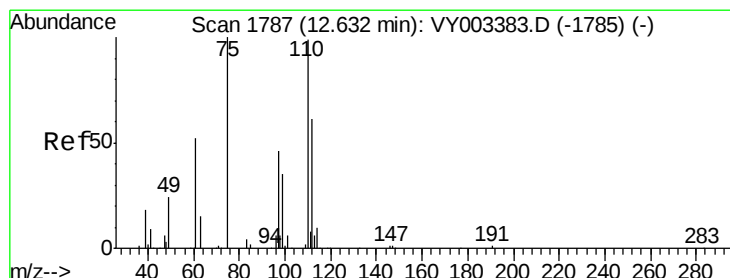
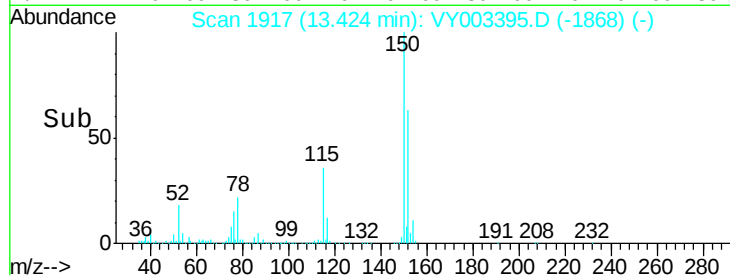
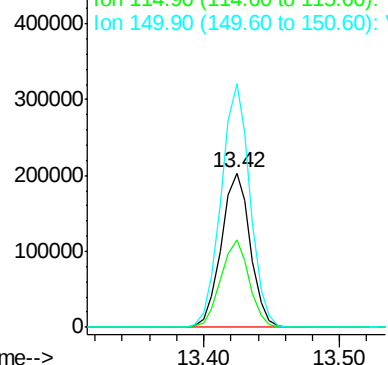
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003395.D
Acq: 31 Jul 2020 17:33

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.2	81.5
150	156.9	0.0	346.8



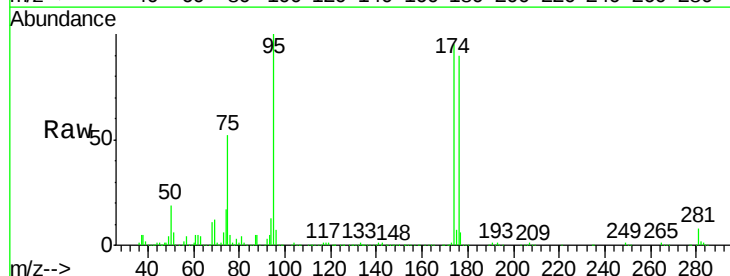
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



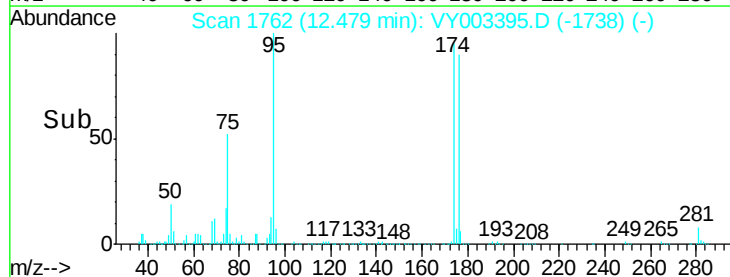
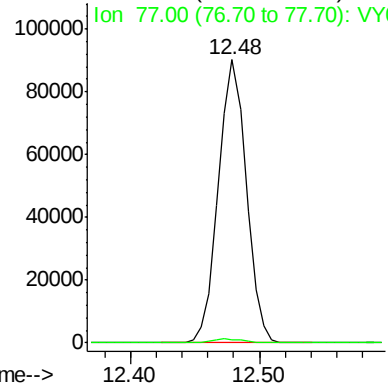
#76

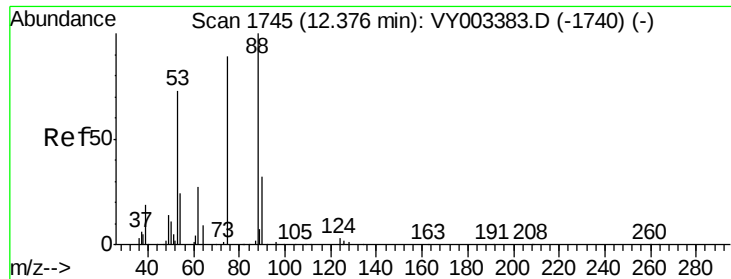
1,2,3-Trichloropropane
Concen: 49.376 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003395.D
Acq: 31 Jul 2020 17:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.7	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: 93.382 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003395.D

Acq: 31 Jul 2020 17:33

Instrument :

MSVOA_Y

ClientSampleId :

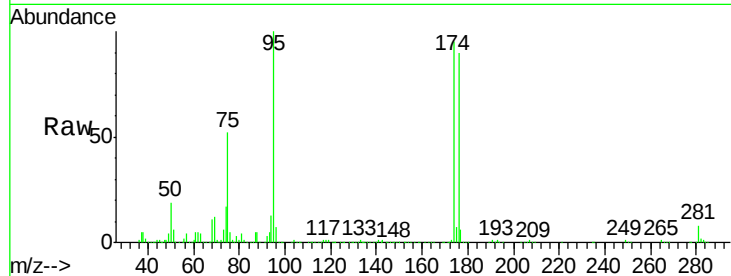
Tot Ion: 75 Resp: 135097

Ion Ratio Lower Upper

75 100

53 0.2 69.5 104.3#

89 0.3 33.8 50.6#



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

