

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY073120\
 Data File : VY003396.D
 Acq On : 31 Jul 2020 17:57
 Operator : SY/MD
 Sample : L3518-12
 Misc : 3.67G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 01 01:29:03 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	403235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	628694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	565669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	261251	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	210311	54.85	ug/l	0.00
Spiked Amount			Recovery	=	109.70%	
35) Dibromofluoromethane	7.72	113	198546	53.61	ug/l	0.00
Spiked Amount			Recovery	=	107.22%	
50) Toluene-d8	10.18	98	764511	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	
62) 4-Bromofluorobenzene	12.48	95	238481	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	

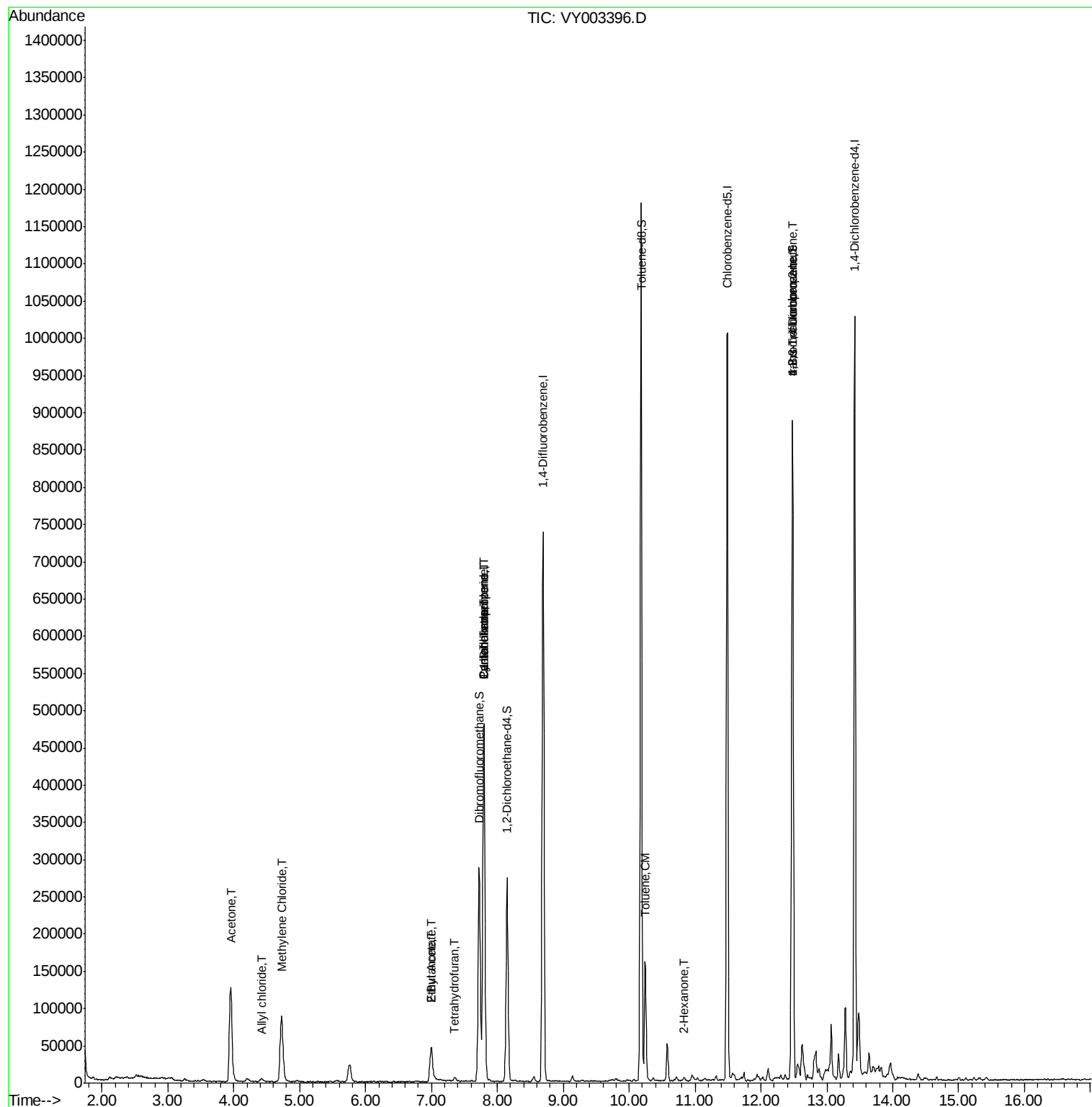
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	1000	Below Cal	#	73
14) Allyl chloride	4.42	41	7487	1.258	ug/l #	36
16) Acetone	3.96	43	223269	235.690	ug/l	96
20) Methylene Chloride	4.72	84	68293	6.632	ug/l	96
25) 2-Butanone	7.00	43	71018	49.195	ug/l	96
29) Tetrahydrofuran	7.35	42	2918	3.098	ug/l	93
31) Cyclohexane	7.80	56	7694	1.132	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	27950	4.698	ug/l #	51
37) Ethyl Acetate	7.00	43	71018	20.993	ug/l #	69
38) Carbon Tetrachloride	7.80	117	37077	6.056	ug/l #	16
52) Toluene	10.24	92	63040	6.089	ug/l	94
59) 2-Hexanone	10.83	43	2511	1.077	ug/l	96
76) 1,2,3-Trichloropropane	12.48	75	123437	52.595	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	123437	99.470	ug/l #	15

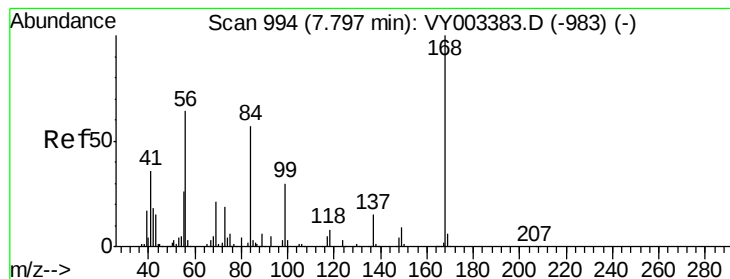
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003396.D

Acq: 31 Jul 2020 17:57

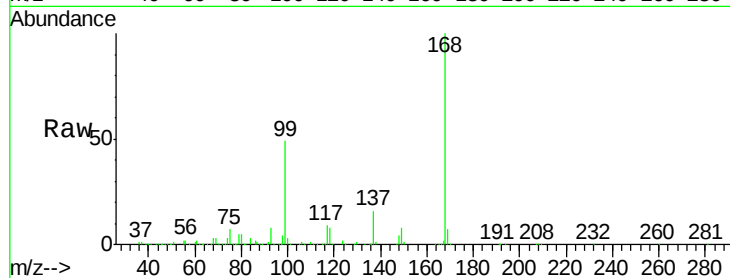
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 403235

Ion Ratio Lower Upper

168 100

99 48.8 38.8 58.2



Abundance Ion 167.90 (167.60 to 168.60): VY003396.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003396.D (-945) (-)

7.80

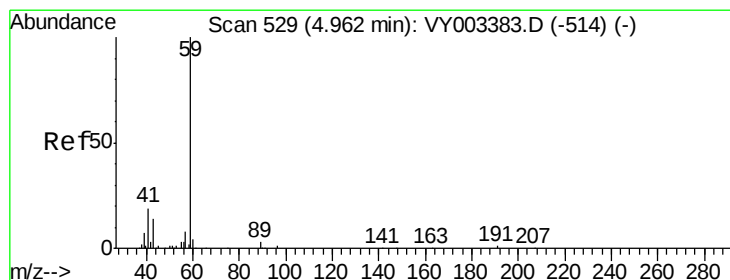
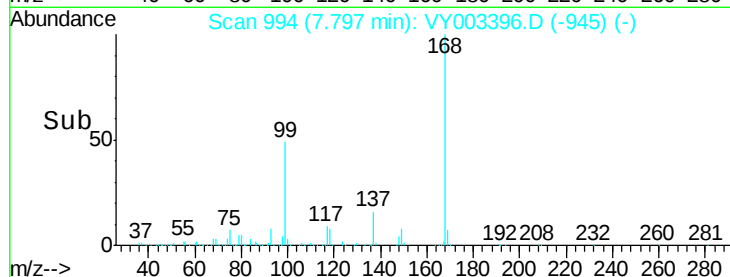
150000

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: VY003396.D

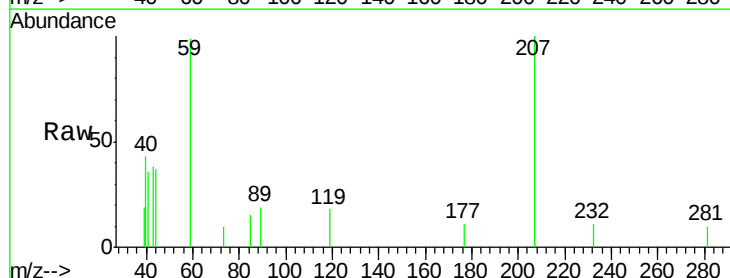
Acq: 31 Jul 2020 17:57

Tgt Ion: 59 Resp: 1000

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY003396.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003396.D (-480) (-)

4.97

600

500

400

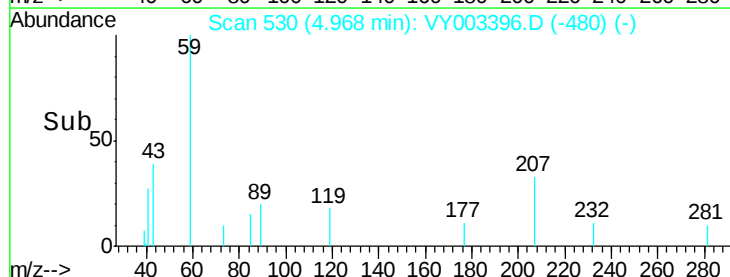
300

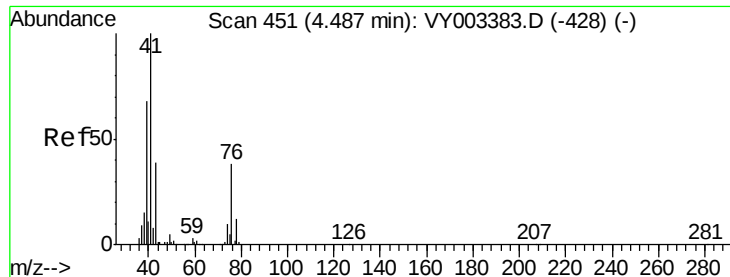
200

100

0

Time-->





#14

Allvl chloride

Concen: 1.258 ug/l

RT: 4.42 min Scan# 440

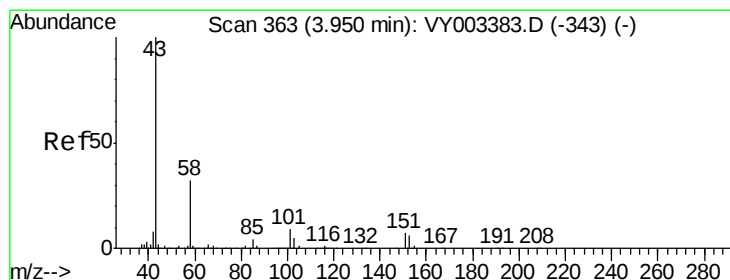
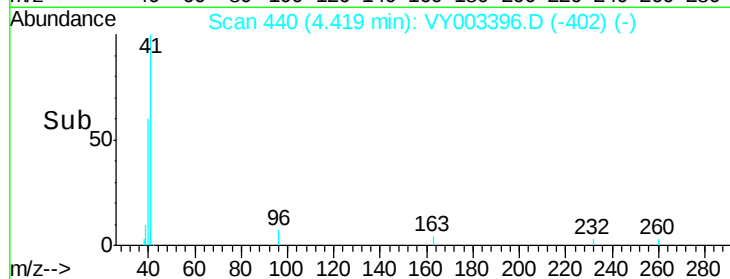
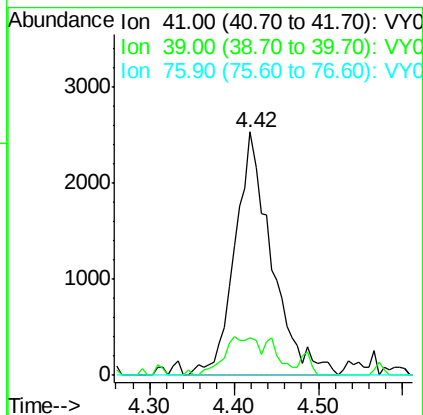
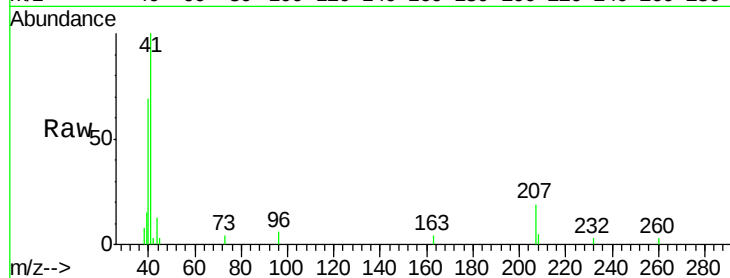
Delta R.T. -0.07 min

Lab File: VY003396.D

Acq: 31 Jul 2020 17:57

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	41	Resp:	7487
Ion	Ratio	Lower	Upper
41	100		
39	14.7	52.7	79.1#
76	0.0	29.8	44.6#



#16

Acetone

Concen: 235.690 ug/l

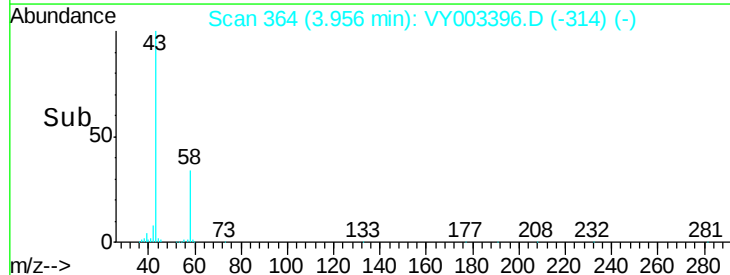
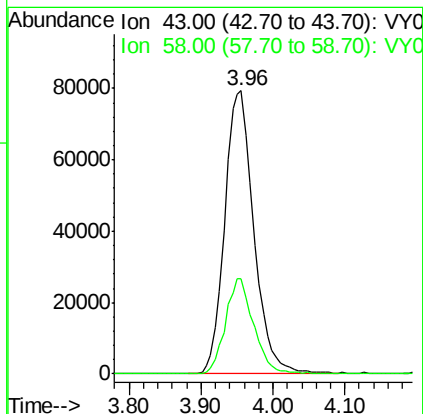
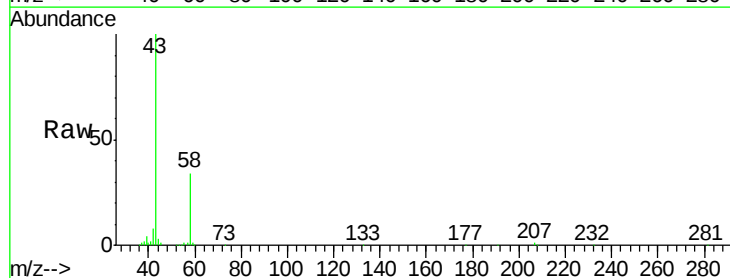
RT: 3.96 min Scan# 364

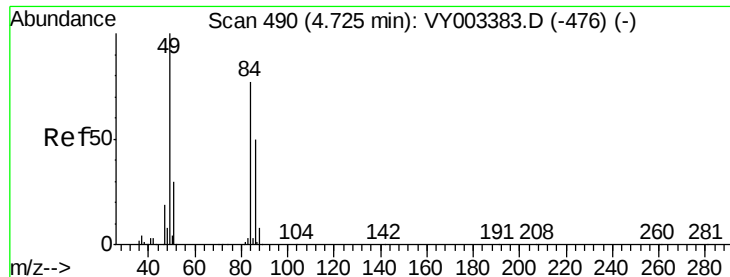
Delta R.T. 0.01 min

Lab File: VY003396.D

Acq: 31 Jul 2020 17:57

Tgt Ion:	43	Resp:	223269
Ion	Ratio	Lower	Upper
43	100		
58	33.8	25.4	38.2

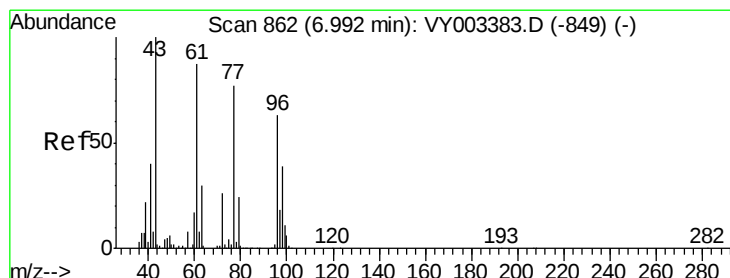
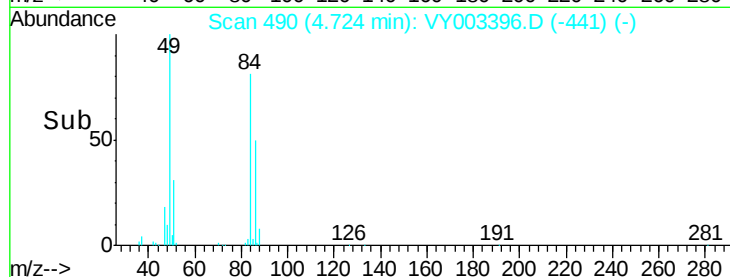
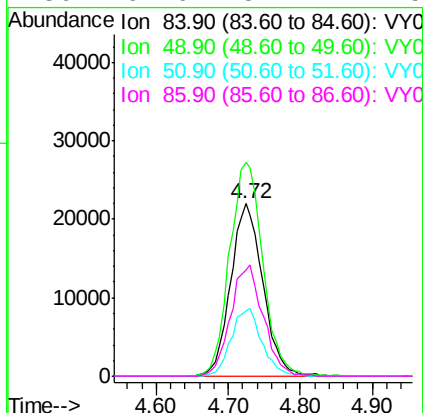
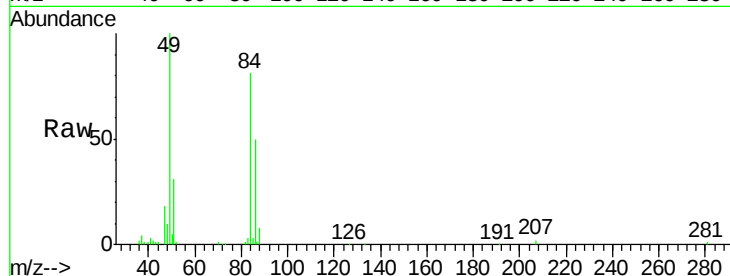




#20
Methvlene Chloride
Concen: 6.632 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003396.D
Acq: 31 Jul 2020 17:57

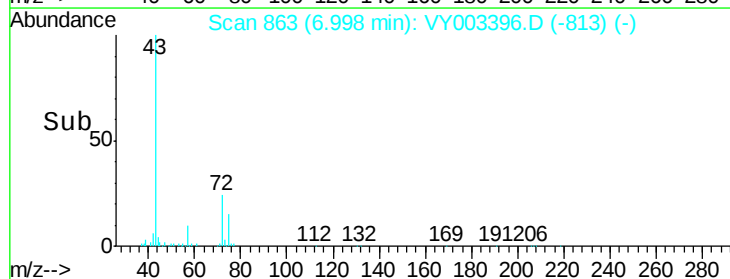
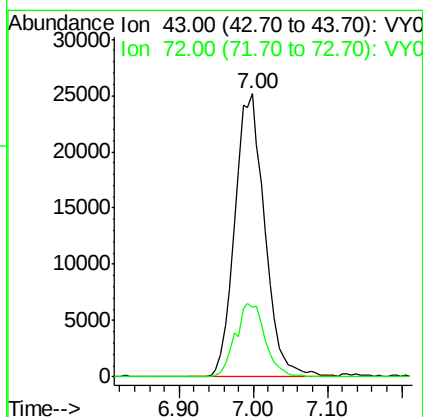
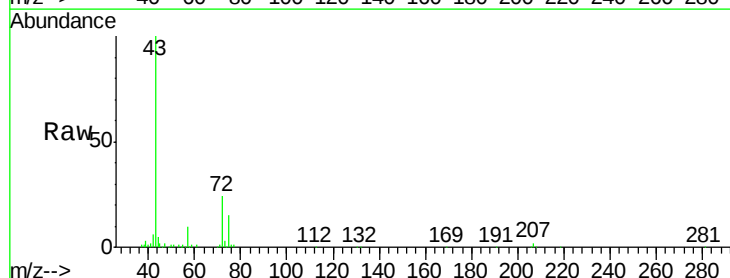
Instrument :
MSVOA_Y
ClientSampleId :

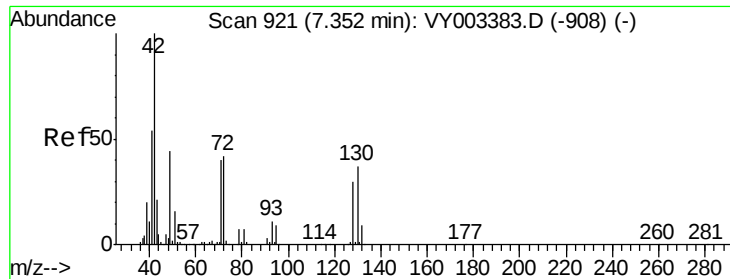
Tot Ion: 84 Resp: 68293
Ion Ratio Lower Upper
84 100
49 124.0 104.2 156.4
51 38.1 31.5 47.3
86 61.6 51.7 77.5



#25
2-Butanone
Concen: 49.195 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003396.D
Acq: 31 Jul 2020 17:57

Tgt Ion: 43 Resp: 71018
Ion Ratio Lower Upper
43 100
72 24.4 21.1 31.7

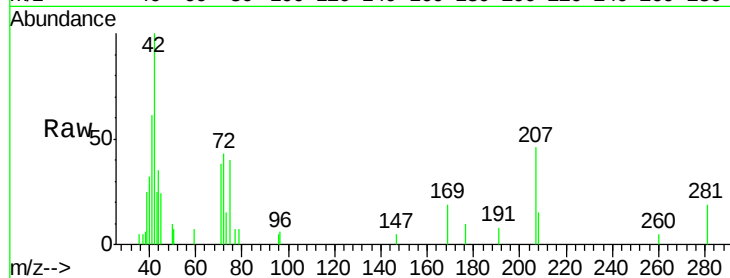




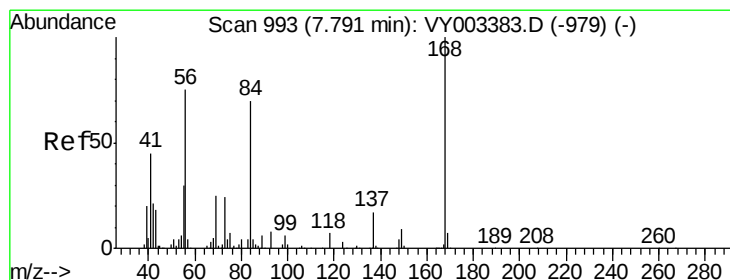
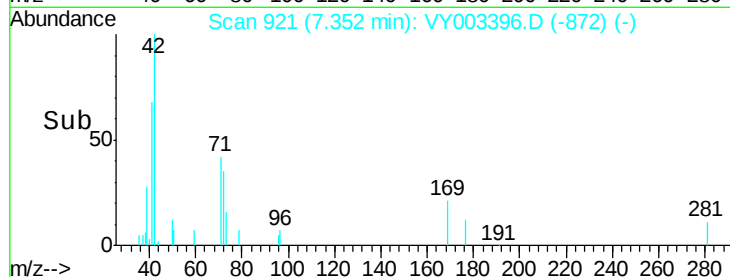
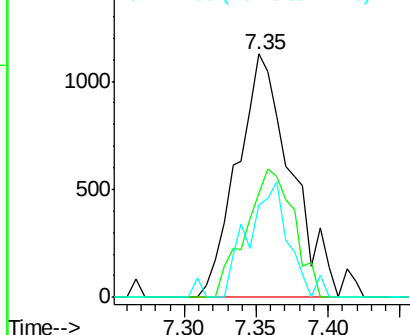
#29
Tetrahydrofuran
Concen: 3.098 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY003396.D
Acq: 31 Jul 2020 17:57

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 42 Resp: 2918
Ion Ratio Lower Upper
42 100
72 47.1 33.5 50.3
71 36.1 32.1 48.1

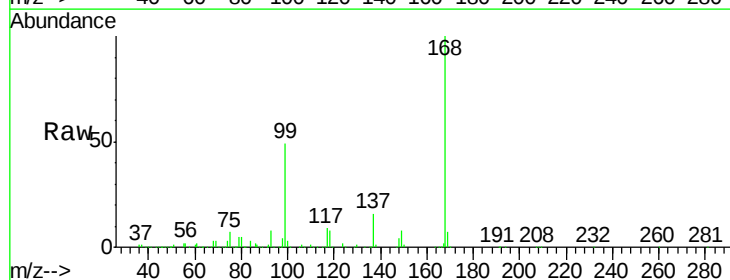


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

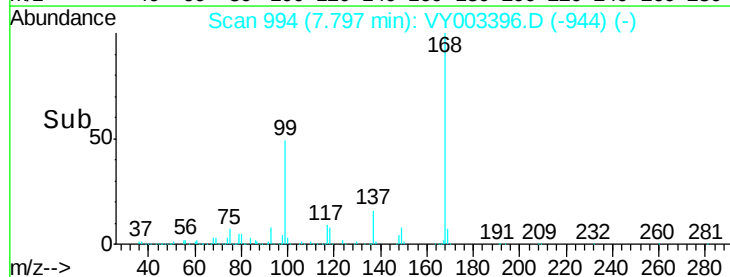
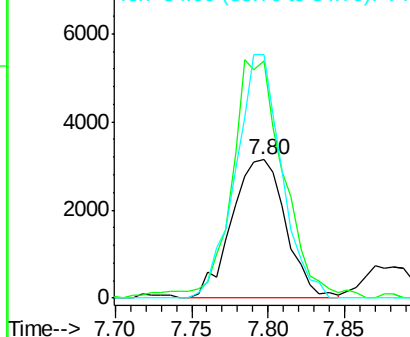


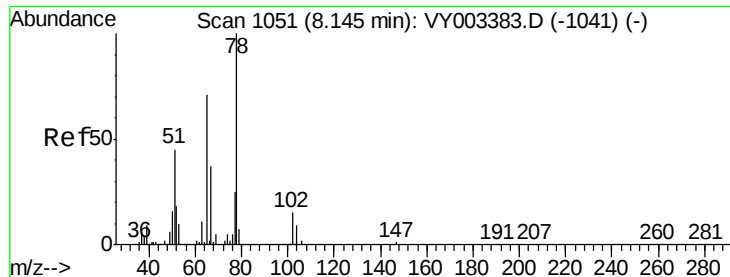
#31
Cyclohexane
Concen: 1.132 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003396.D
Acq: 31 Jul 2020 17:57

Tgt Ion: 56 Resp: 7694
Ion Ratio Lower Upper
56 100
69 167.8 26.1 39.1#
84 176.1 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

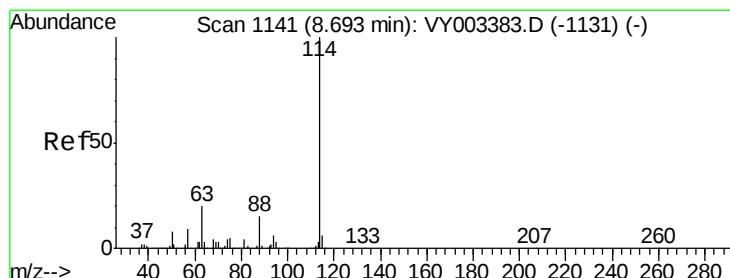
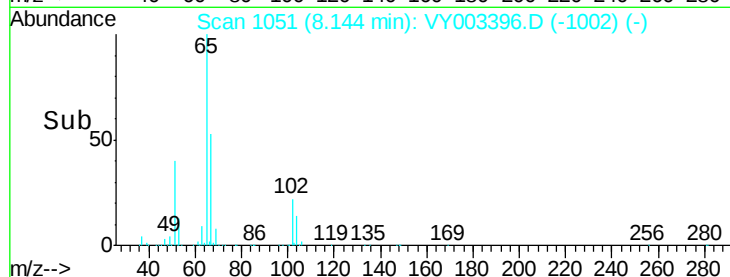
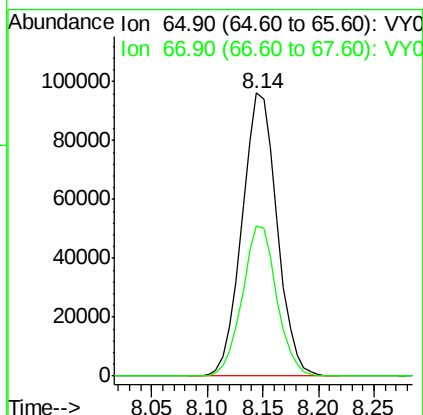
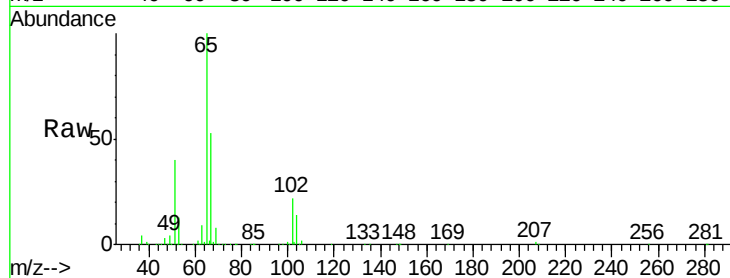




#33
 1,2-Dichloroethane-d4
 Concen: 54.854 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003396.D
 Acq: 31 Jul 2020 17:57

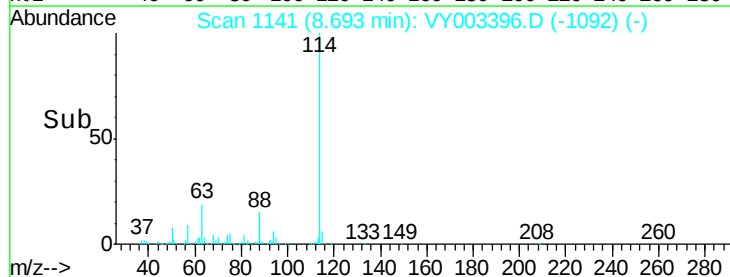
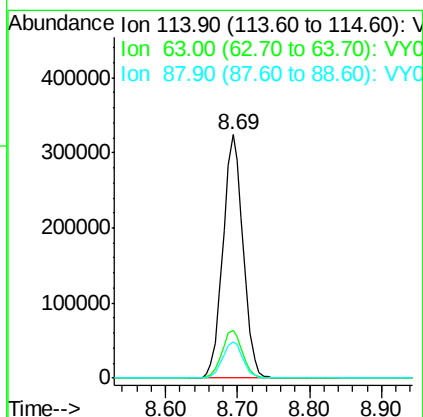
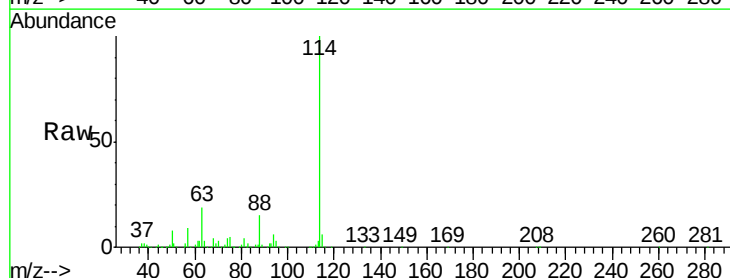
Instrument :
 MSVOA_Y
 ClientSampled :

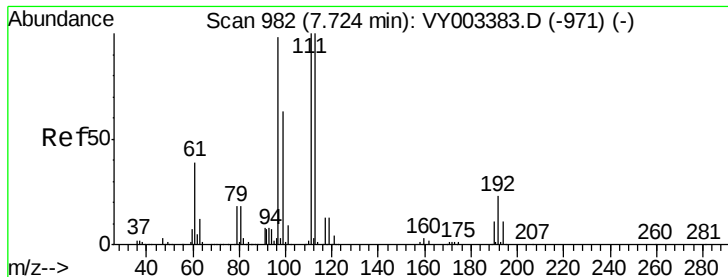
Tot Ion: 65 Resp: 210311
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003396.D
 Acq: 31 Jul 2020 17:57

Tgt Ion: 114 Resp: 628694
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.6
 88 14.7 0.0 29.2





#35

Dibromofluoromethane

Concen: 53.612 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003396.D

Acq: 31 Jul 2020 17:57

Instrument :
MSVOA_Y
ClientSampled :

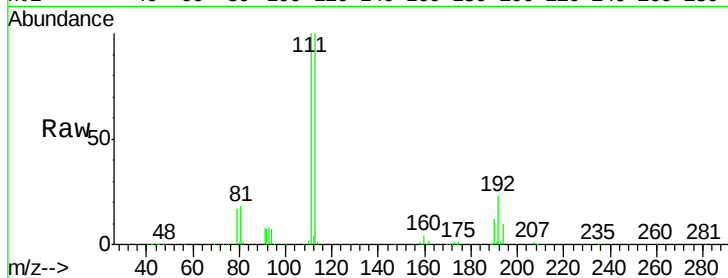
Tot Ion:113 Resp: 198546

Ion Ratio Lower Upper

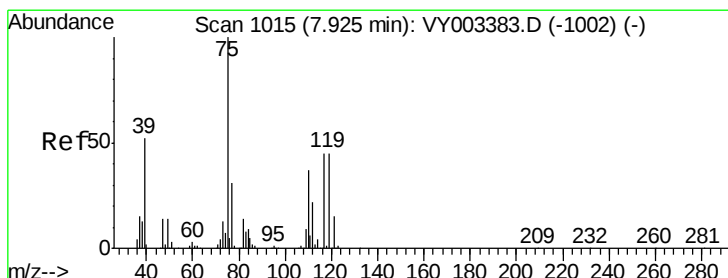
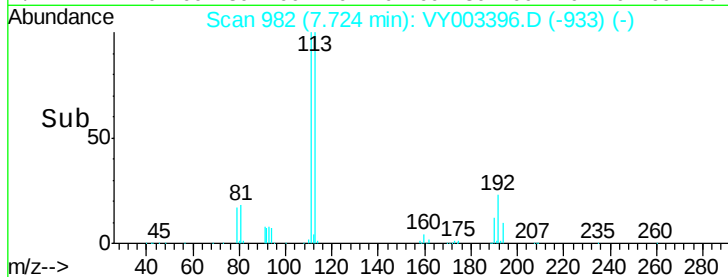
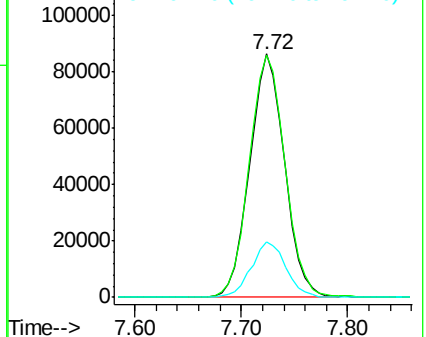
113 100

111 102.3 83.0 124.4

192 22.9 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: 4.698 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003396.D

Acq: 31 Jul 2020 17:57

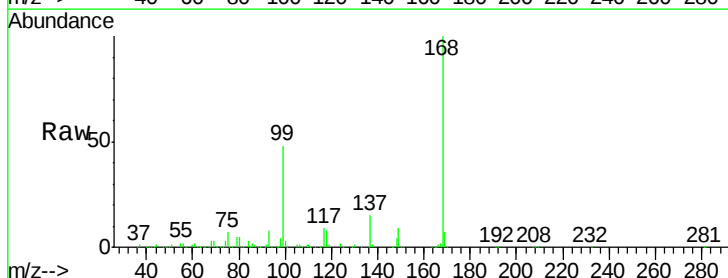
Tgt Ion: 75 Resp: 27950

Ion Ratio Lower Upper

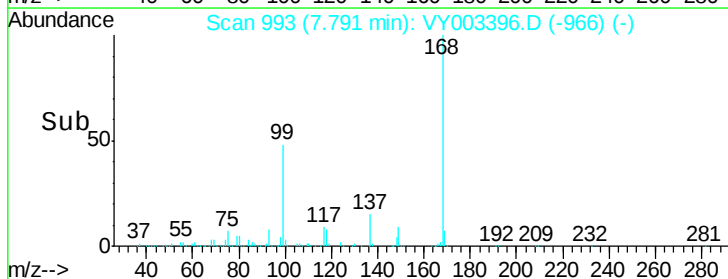
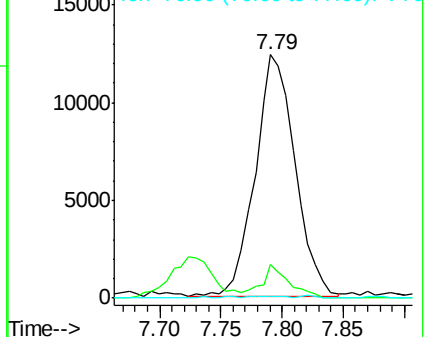
75 100

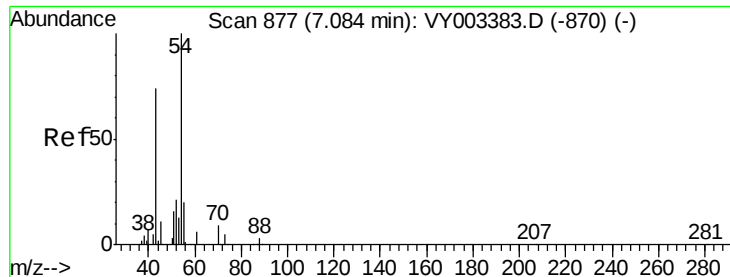
110 9.6 17.8 53.5#

77 0.6 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VY0

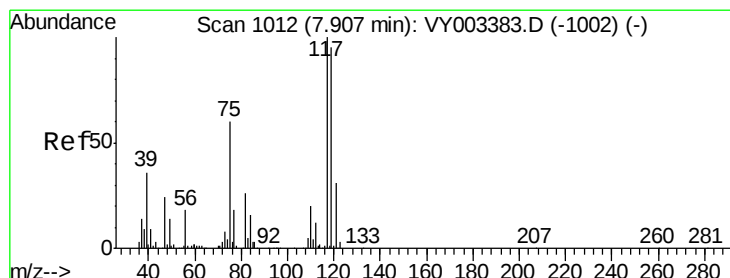
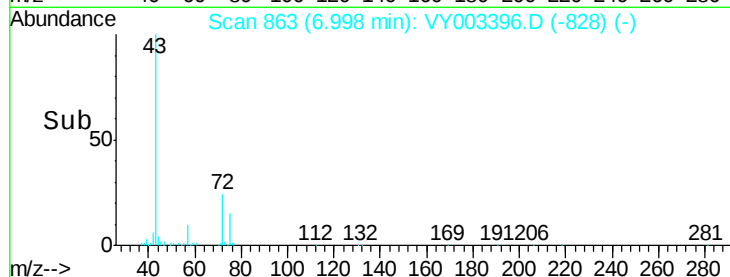
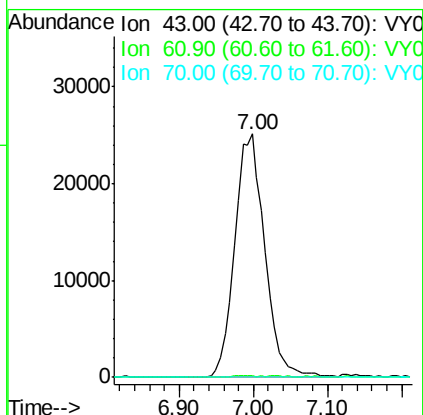
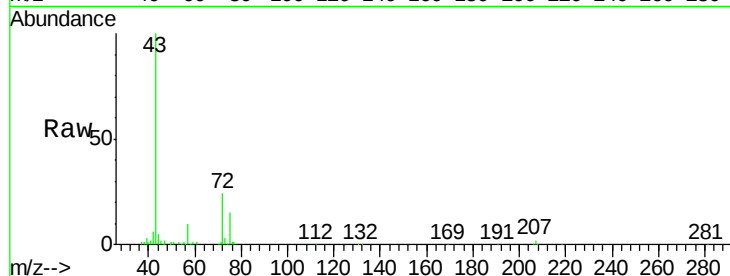




#37
Ethyl Acetate
Concen: 20.993 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.09 min
Lab File: VY003396.D
Acq: 31 Jul 2020 17:57

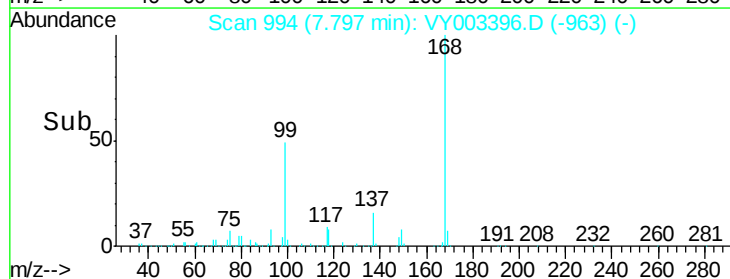
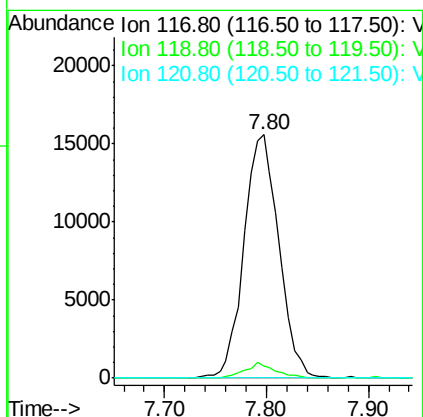
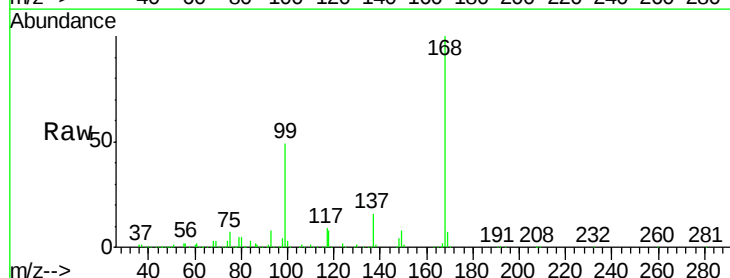
Instrument :
MSVOA_Y
ClientSampleId :

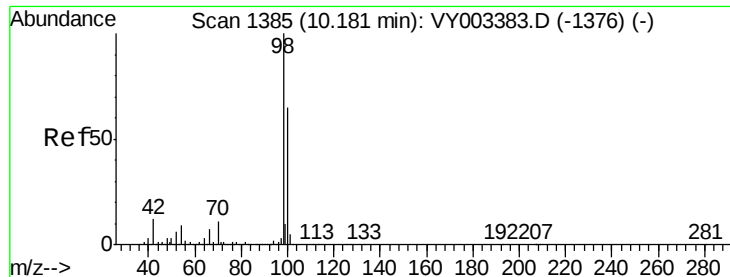
Tot Ion: 43 Resp: 71018
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.1 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 6.056 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY003396.D
Acq: 31 Jul 2020 17:57

Tgt Ion: 117 Resp: 37077
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 52.718 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003396.D

Acq: 31 Jul 2020 17:57

Instrument :

MSVOA_Y

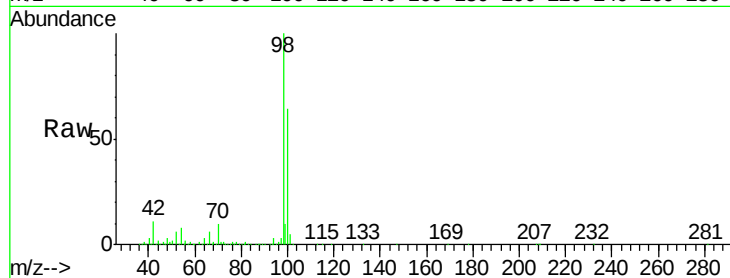
ClientSampled :

Tot Ion: 98 Resp: 764511

Ion Ratio Lower Upper

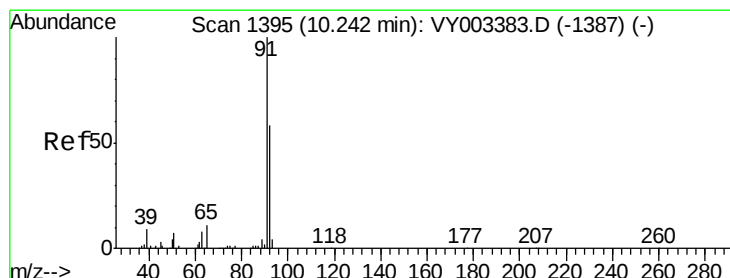
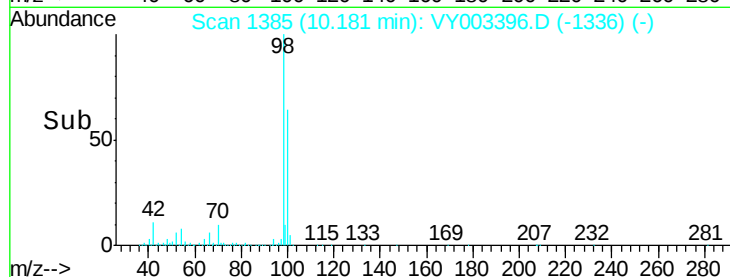
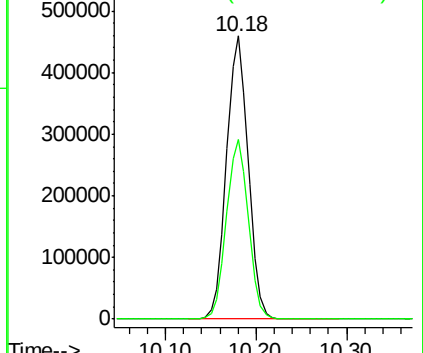
98 100

100 64.0 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#52

Toluene

Concen: 6.089 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003396.D

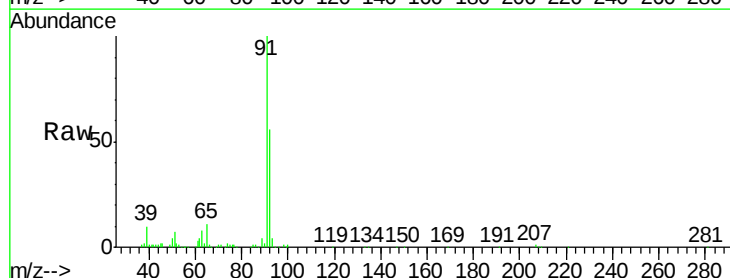
Acq: 31 Jul 2020 17:57

Tgt Ion: 92 Resp: 63040

Ion Ratio Lower Upper

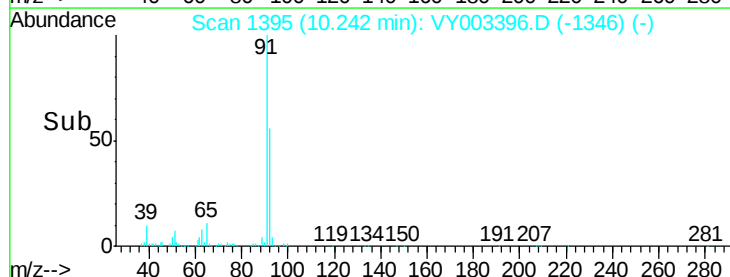
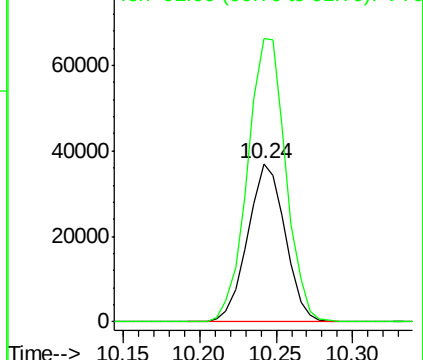
92 100

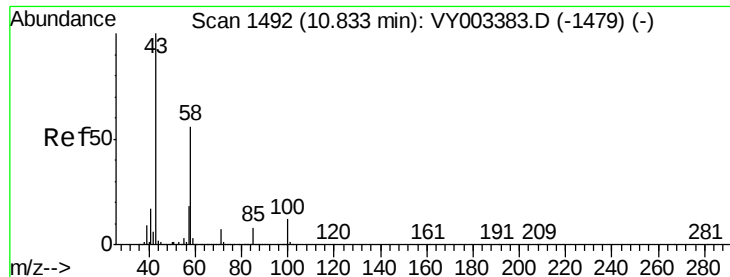
91 182.9 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

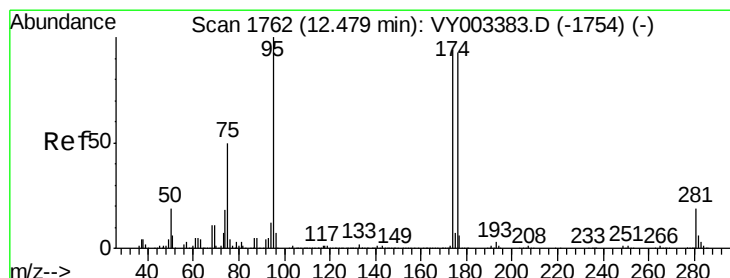
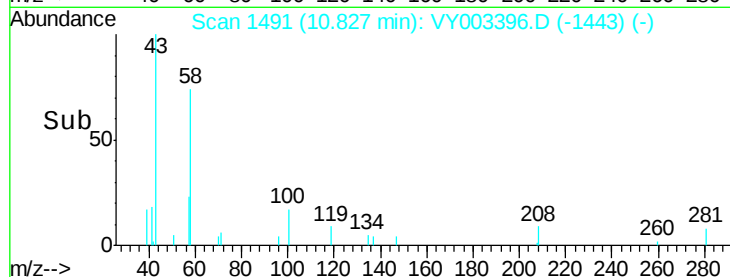
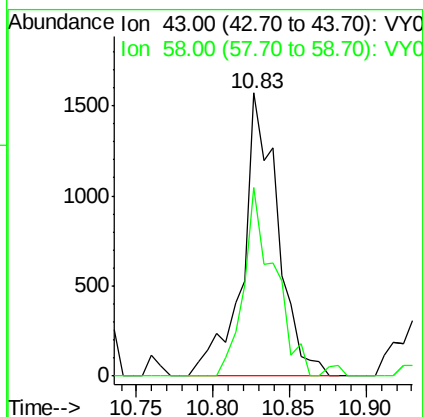
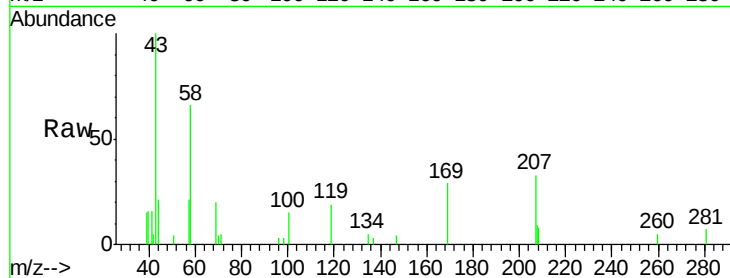




#59
2-Hexanone
Concen: 1.077 ug/l
RT: 10.83 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VY003396.D
Acq: 31 Jul 2020 17:57

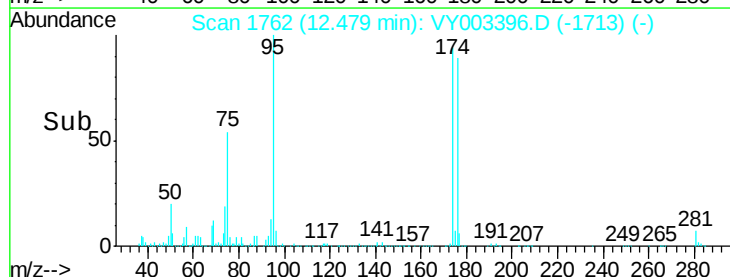
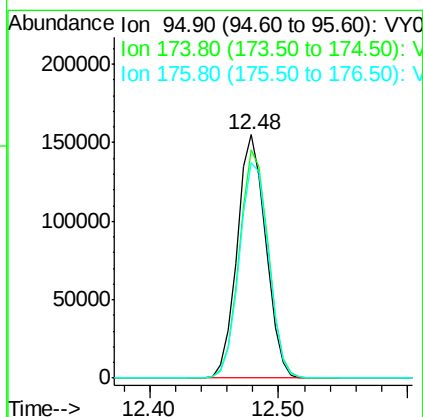
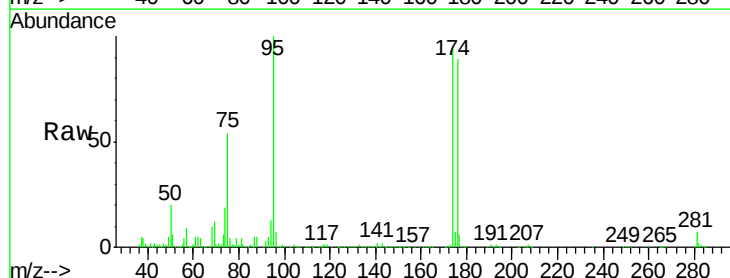
Instrument :
MSVOA_Y
ClientSampleId :

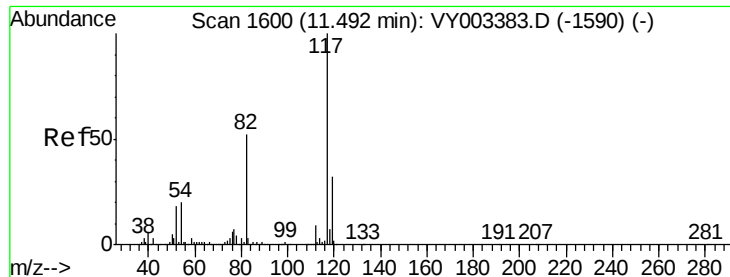
Tot Ion: 43 Resp: 2511
Ion Ratio Lower Upper
43 100
58 57.9 27.6 82.8



#62
4-Bromofluorobenzene
Concen: 48.130 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003396.D
Acq: 31 Jul 2020 17:57

Tgt Ion: 95 Resp: 238481
Ion Ratio Lower Upper
95 100
174 94.4 0.0 190.0
176 90.8 0.0 184.4

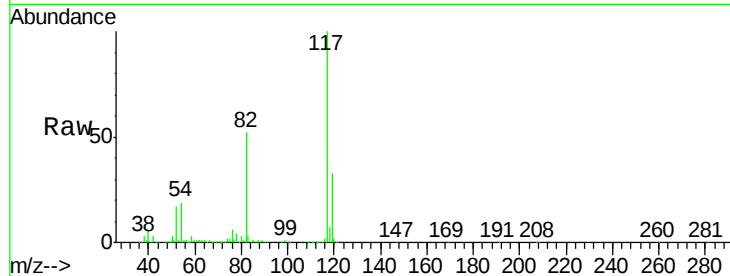




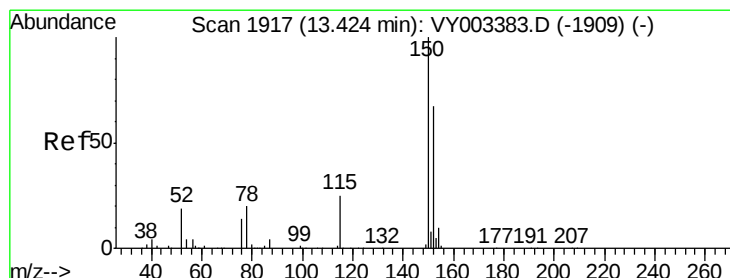
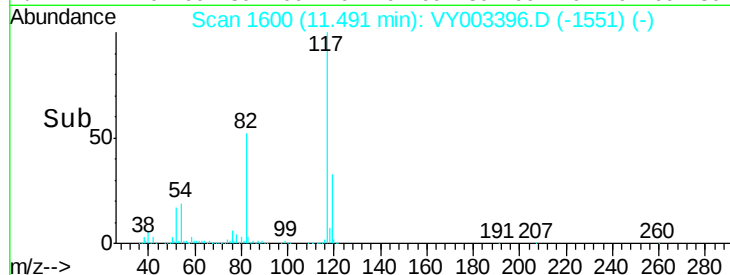
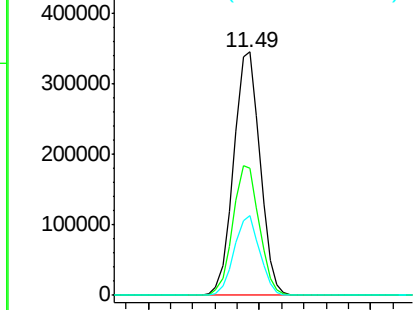
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003396.D
Acq: 31 Jul 2020 17:57

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.9	62.9
119	32.9	25.4	38.0

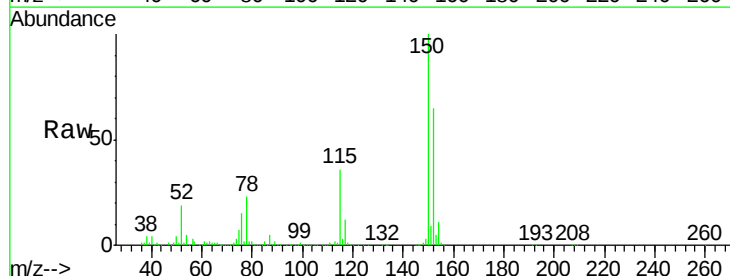


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

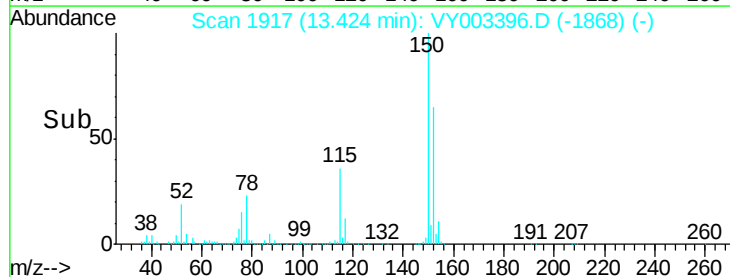
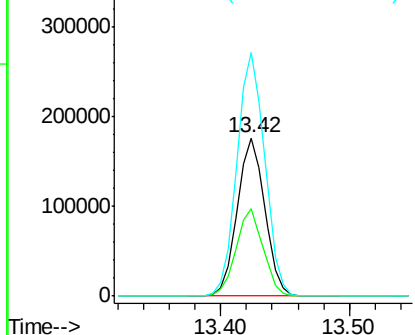


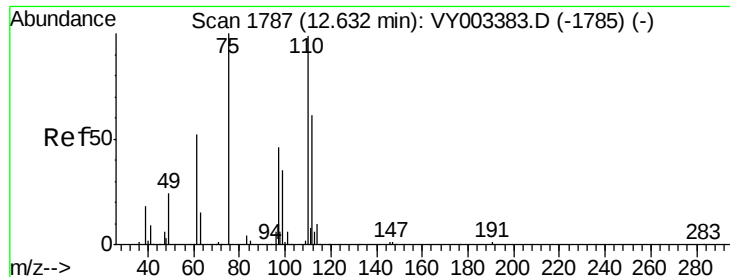
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003396.D
Acq: 31 Jul 2020 17:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.2	81.5
150	155.7	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

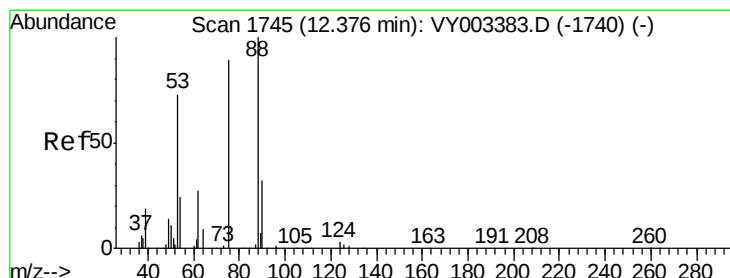
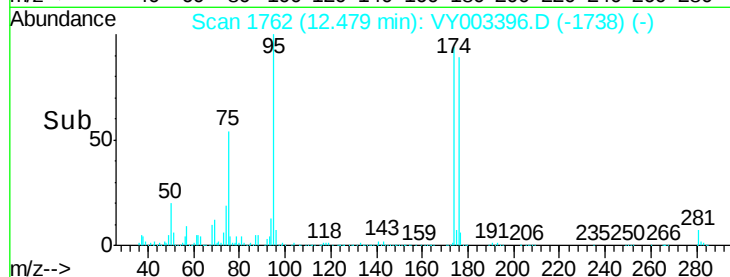
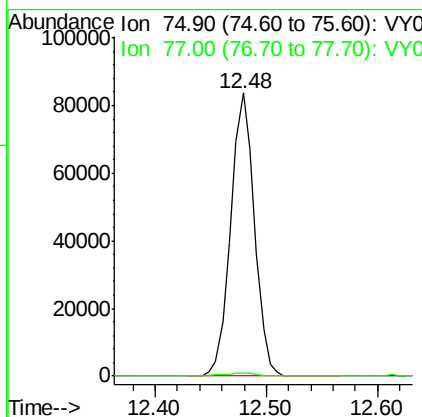
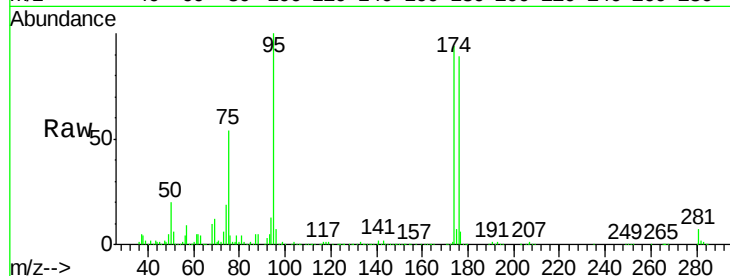




#76
 1,2,3-Trichloropropane
 Concen: 52.595 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY003396.D
 Acq: 31 Jul 2020 17:57

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 123437
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.470 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY003396.D
 Acq: 31 Jul 2020 17:57

Tgt Ion: 75 Resp: 123437
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.5 104.3#
 89 0.0 33.8 50.6#

