

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY073120\
 Data File : VY003397.D
 Acq On : 31 Jul 2020 18:21
 Operator : SY/MD
 Sample : L3518-17
 Misc : 3.71G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

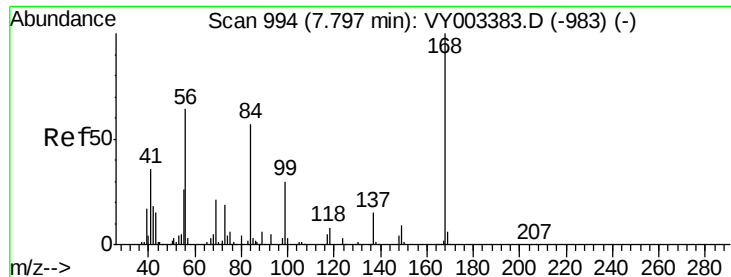
Quant Time: Aug 01 01:29:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 31 13:09:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	402144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	627355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	585203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	270608	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	206993	54.14	ug/l	0.00
Spiked Amount			Recovery	=	108.28%	
35) Dibromofluoromethane	7.72	113	196242	53.10	ug/l	0.00
Spiked Amount			Recovery	=	106.20%	
50) Toluene-d8	10.18	98	767520	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	
62) 4-Bromofluorobenzene	12.48	95	245234	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	1094	Below Cal	#	73
16) Acetone	3.96	43	110041	116.478	ug/l	99
20) Methylene Chloride	4.72	84	62857	5.281	ug/l	97
25) 2-Butanone	7.00	43	35764	24.841	ug/l	98
29) Tetrahydrofuran	7.35	42	1919	2.043	ug/l	95
31) Cyclohexane	7.79	56	7589	1.120	ug/l	# 17
36) 1,1-Dichloropropene	7.80	75	28190	4.748	ug/l	# 50
37) Ethyl Acetate	7.00	43	35764	10.594	ug/l	# 70
38) Carbon Tetrachloride	7.80	117	35889	5.875	ug/l	# 16
76) 1,2,3-Trichloropropane	12.48	75	126304	51.956	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.48	75	126304	98.261	ug/l	# 15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003397.D

Acq: 31 Jul 2020 18:21

Instrument :

MSVOA_Y

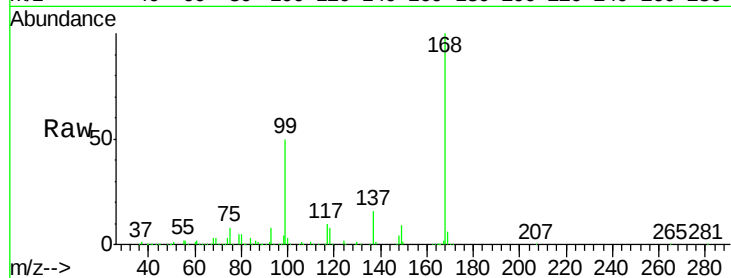
ClientSampleId :

Tot Ion:168 Resp: 402144

Ion Ratio Lower Upper

168 100

99 49.8 38.8 58.2



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

200000

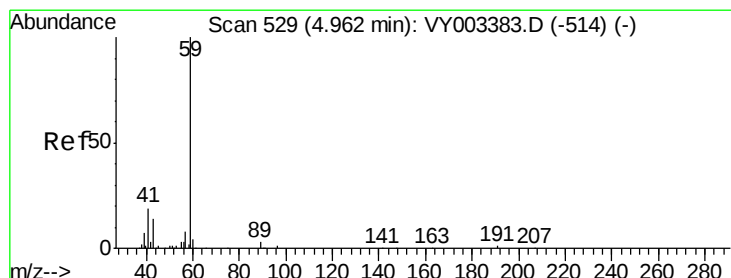
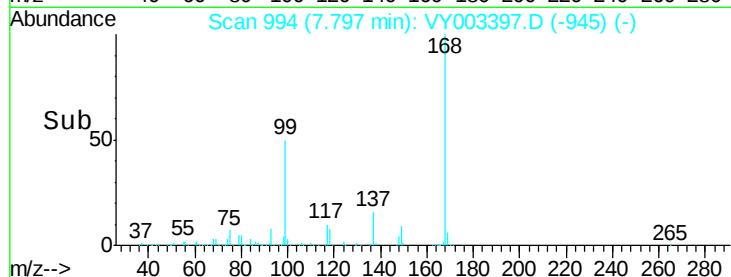
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY003397.D

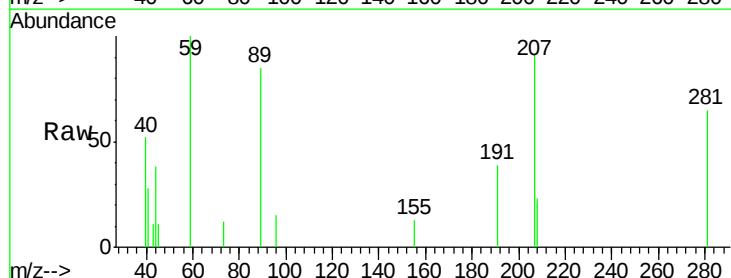
Acq: 31 Jul 2020 18:21

Tgt Ion: 59 Resp: 1094

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

4.96

500

400

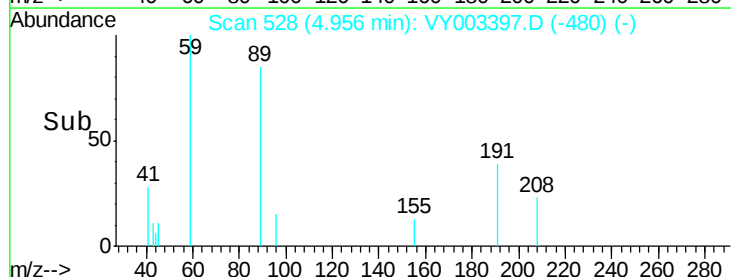
300

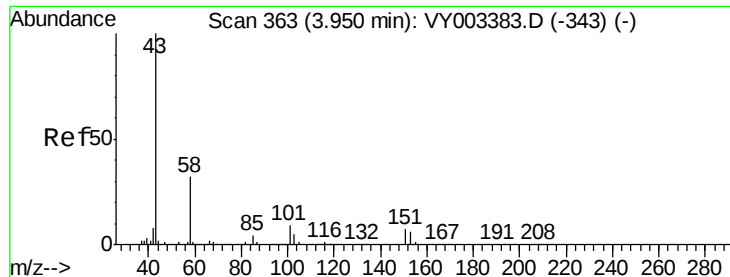
200

100

0

Time-->





#16

Acetone

Concen: 116.478 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003397.D

Acq: 31 Jul 2020 18:21

Instrument :

MSVOA_Y

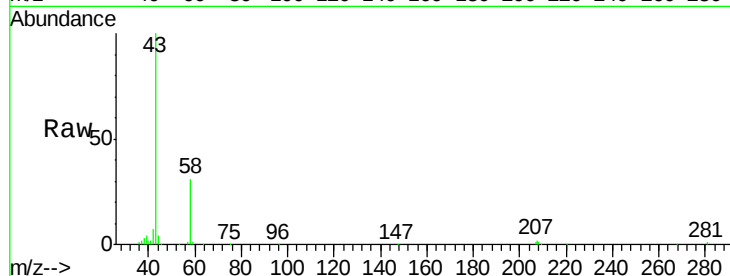
ClientSampleId :

Tot Ion: 43 Resp: 110041

Ion Ratio Lower Upper

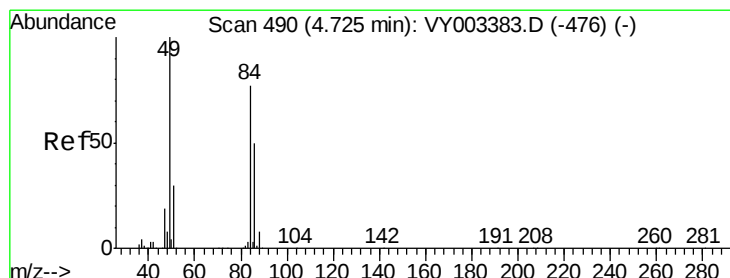
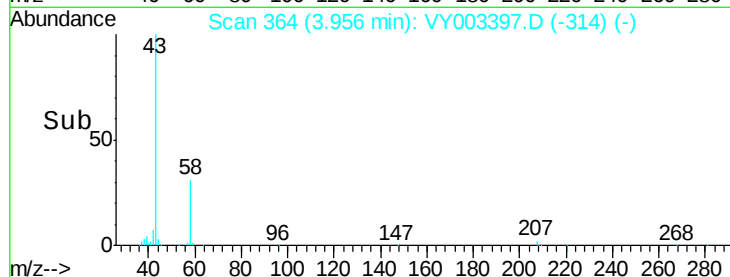
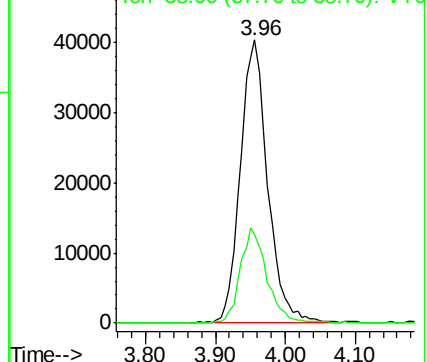
43 100

58 31.3 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 5.281 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003397.D

Acq: 31 Jul 2020 18:21

Tgt Ion: 84 Resp: 62857

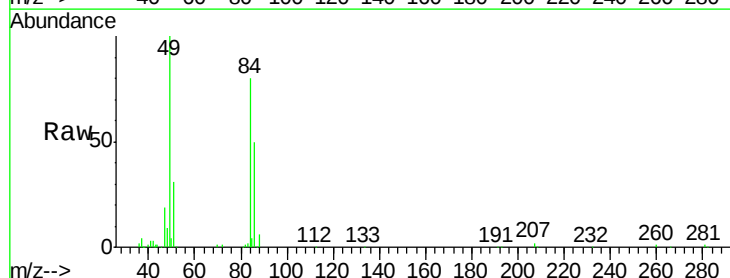
Ion Ratio Lower Upper

84 100

49 124.8 104.2 156.4

51 39.0 31.5 47.3

86 62.9 51.7 77.5

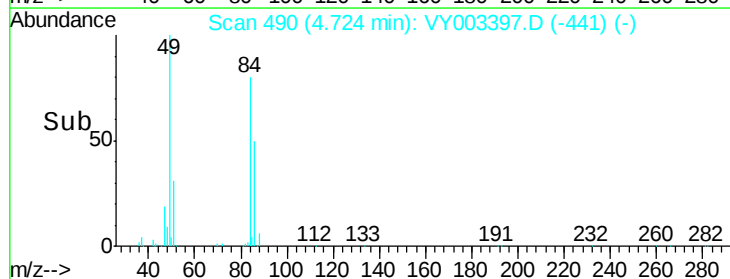
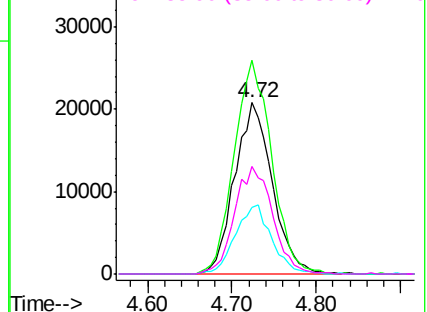


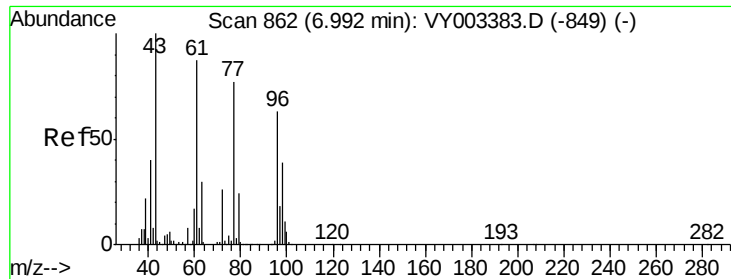
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

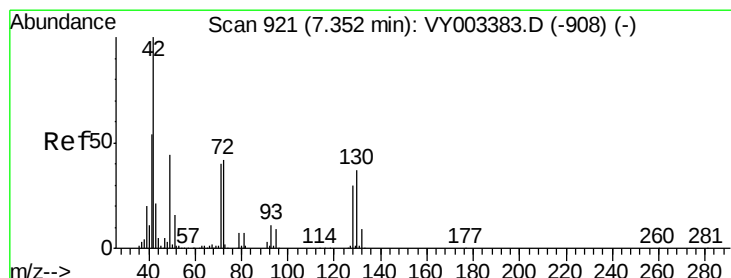
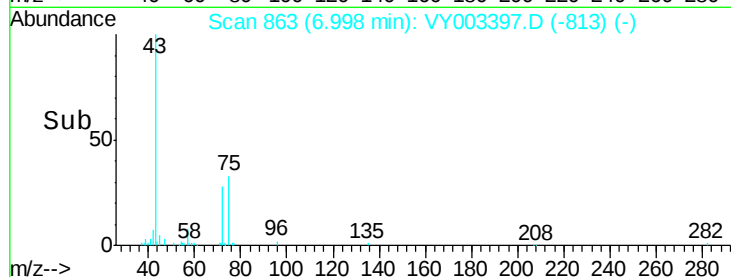
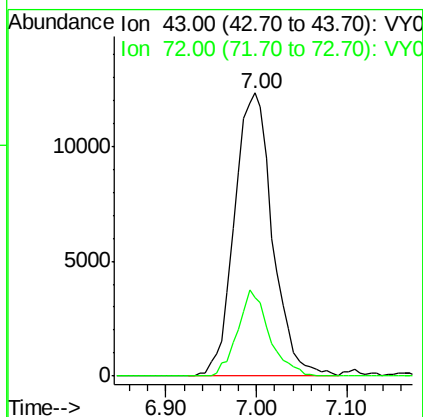
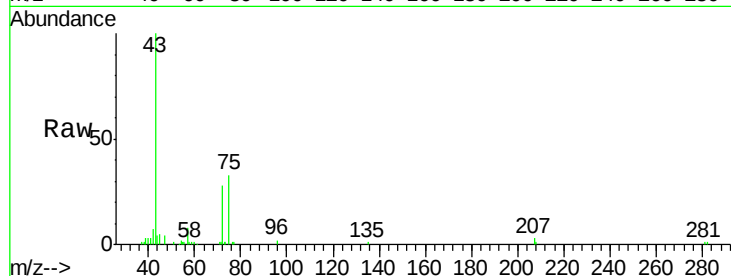




#25
2-Butanone
Concen: 24.841 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003397.D
Acq: 31 Jul 2020 18:21

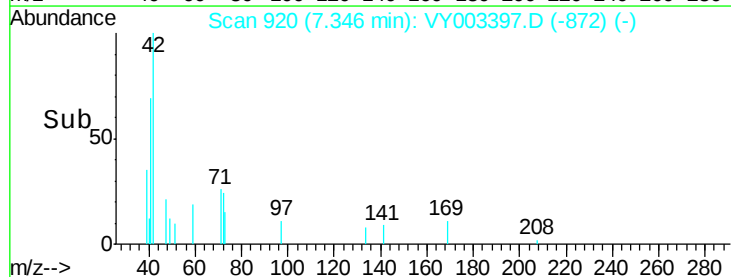
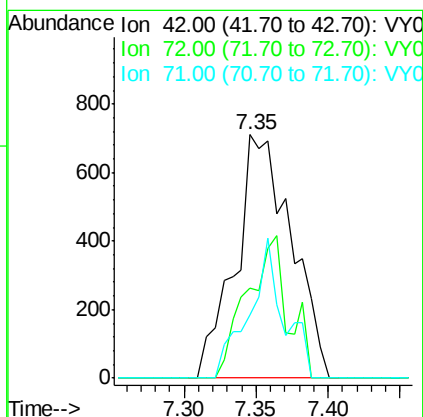
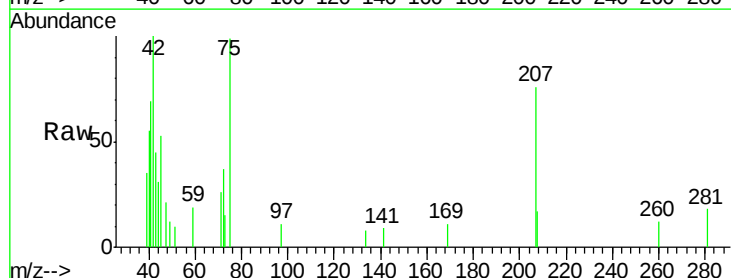
Instrument :
MSVOA_Y
ClientSampled :

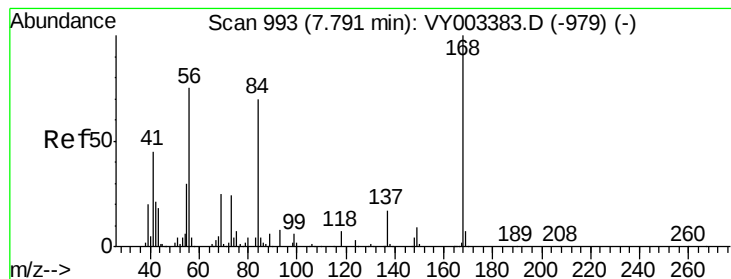
Tot Ion: 43 Resp: 35764
Ion Ratio Lower Upper
43 100
72 27.6 21.1 31.7



#29
Tetrahydrofuran
Concen: 2.043 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY003397.D
Acq: 31 Jul 2020 18:21

Tgt Ion: 42 Resp: 1919
Ion Ratio Lower Upper
42 100
72 43.1 33.5 50.3
71 35.5 32.1 48.1





#31

Cyclohexane

Concen: 1.120 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003397.D

Acq: 31 Jul 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

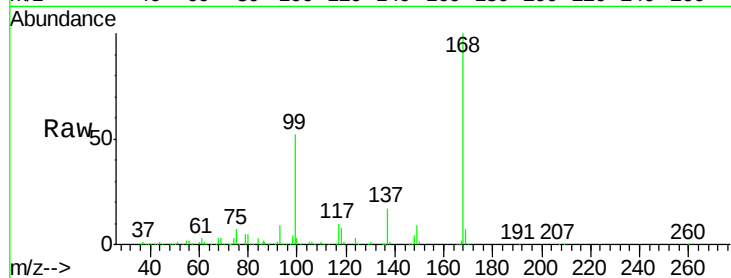
Tot Ion: 56 Resp: 7589

Ion Ratio Lower Upper

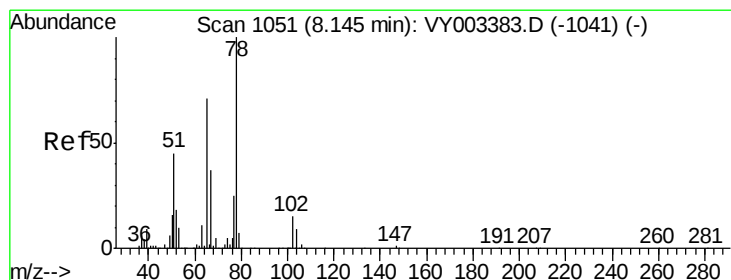
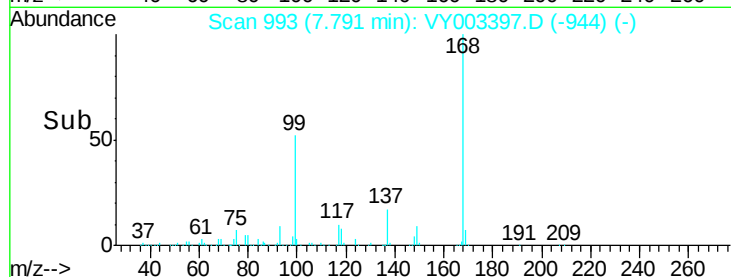
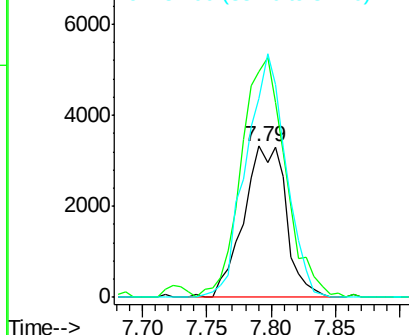
56 100

69 146.1 26.1 39.1#

84 131.3 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: 54.135 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003397.D

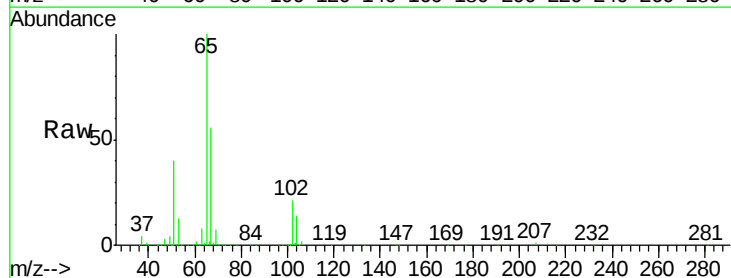
Acq: 31 Jul 2020 18:21

Tgt Ion: 65 Resp: 206993

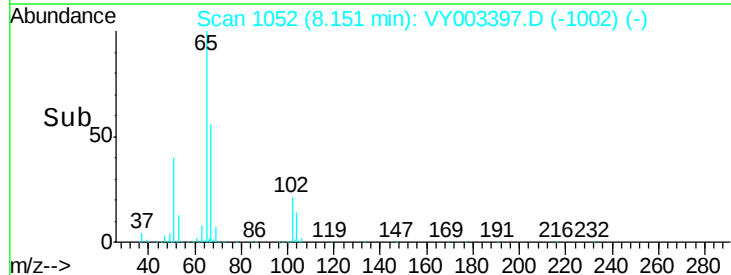
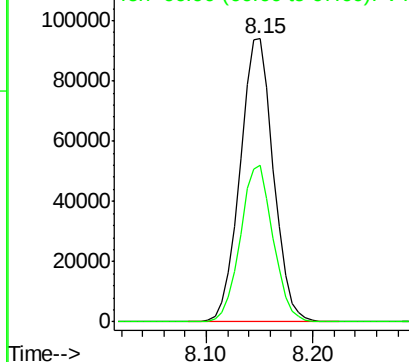
Ion Ratio Lower Upper

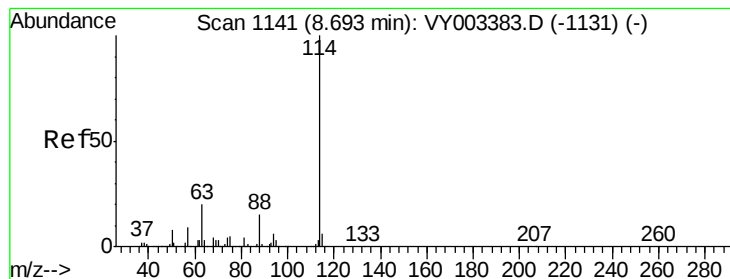
65 100

67 54.2 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: VY003397.D

Acq: 31 Jul 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

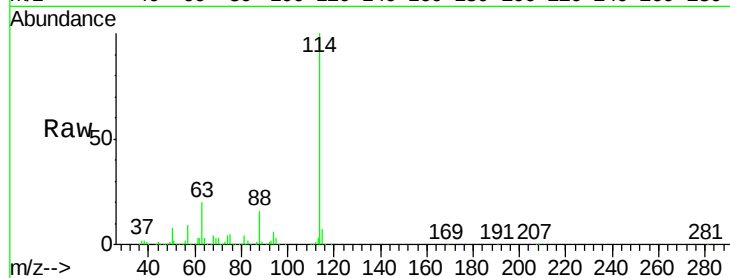
Tot Ion:114 Resp: 627355

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.6

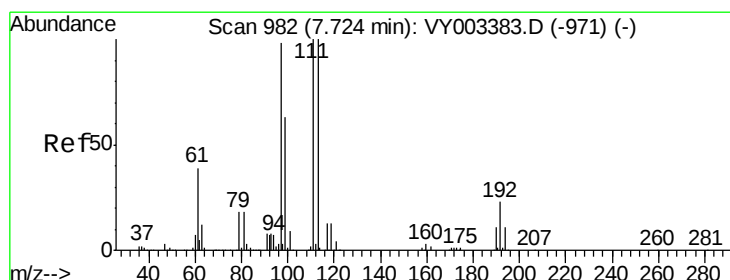
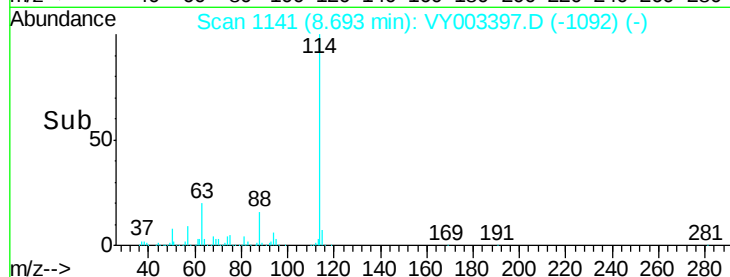
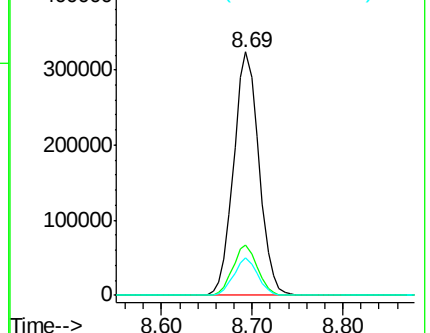
88 15.6 0.0 29.2



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: 53.103 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003397.D

Acq: 31 Jul 2020 18:21

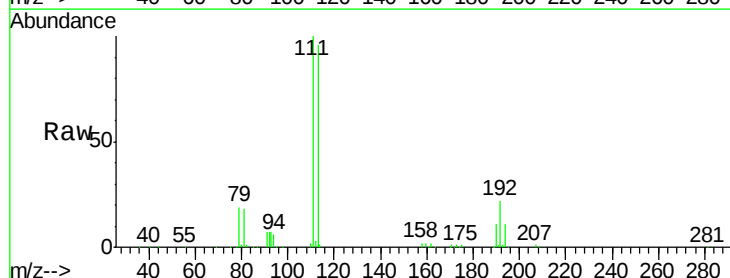
Tgt Ion:113 Resp: 196242

Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.4

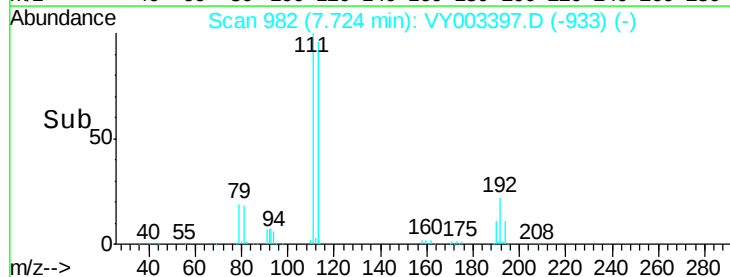
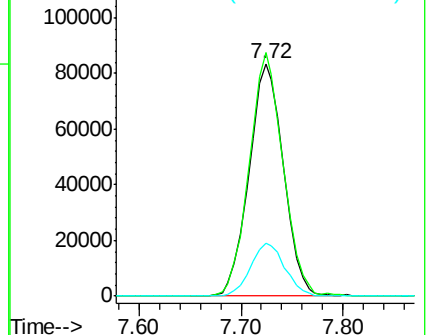
192 22.7 18.8 28.2

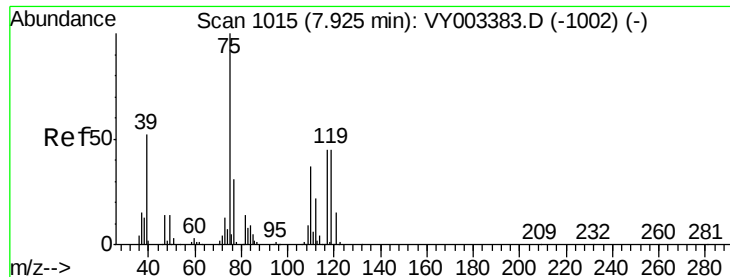


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

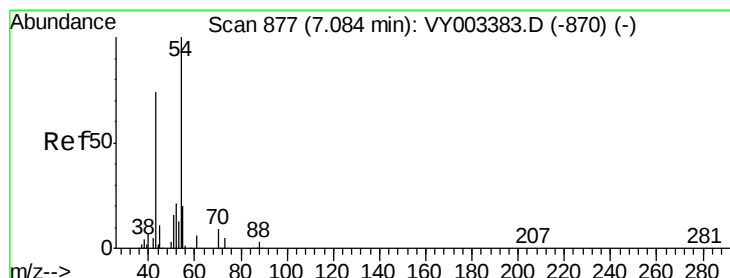
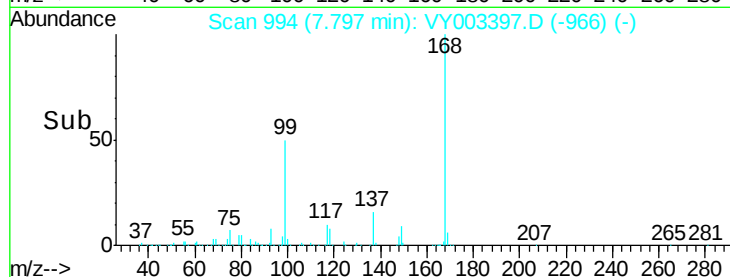
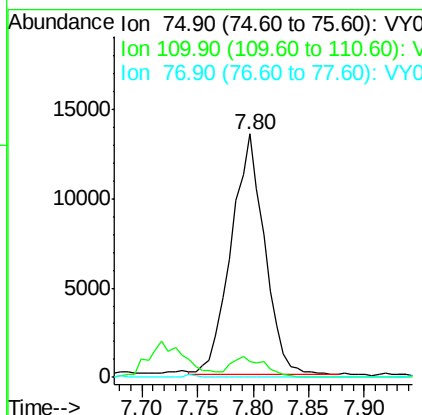
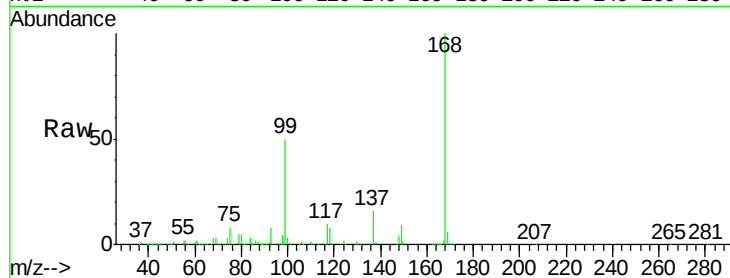




#36
 1,1-Dichloropropene
 Concen: 4.748 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003397.D
 Acq: 31 Jul 2020 18:21

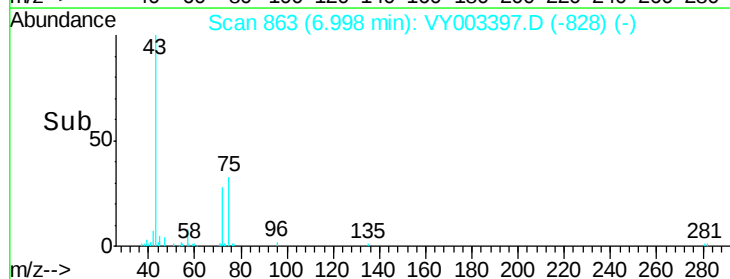
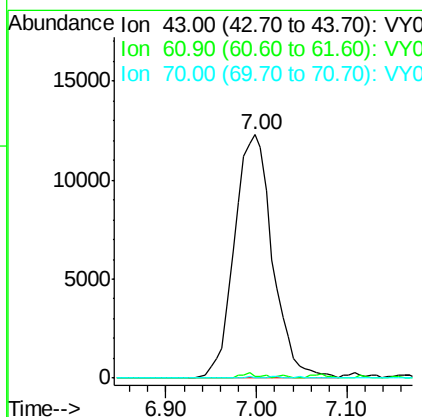
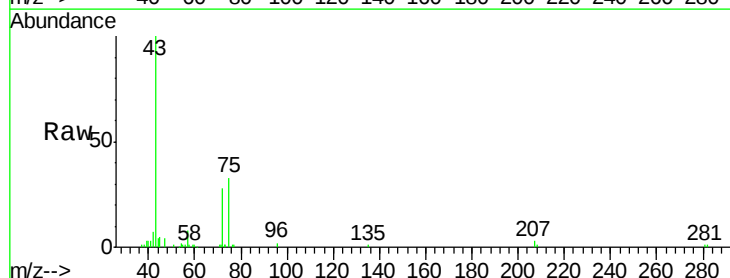
Instrument :
 MSVOA_Y
 ClientSampleId :

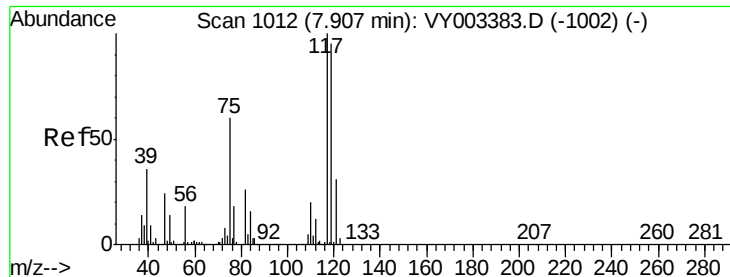
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.8	53.5#
77	0.1	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 10.594 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.09 min
 Lab File: VY003397.D
 Acq: 31 Jul 2020 18:21

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.7	11.2	16.8#
70	0.1	7.7	11.5#





#38

Carbon Tetrachloride

Concen: 5.875 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003397.D

Acq: 31 Jul 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

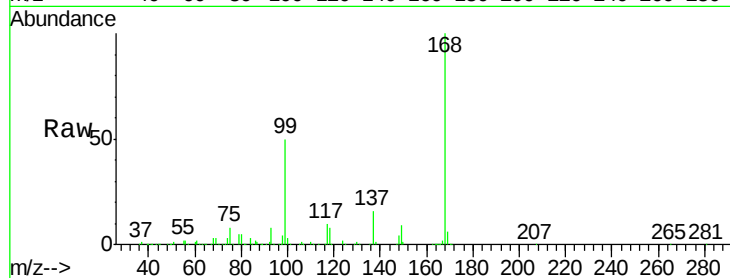
Tot Ion:117 Resp: 35889

Ion Ratio Lower Upper

117 100

119 5.1 76.1 114.1#

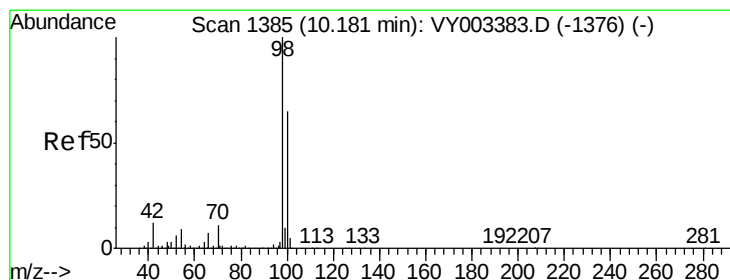
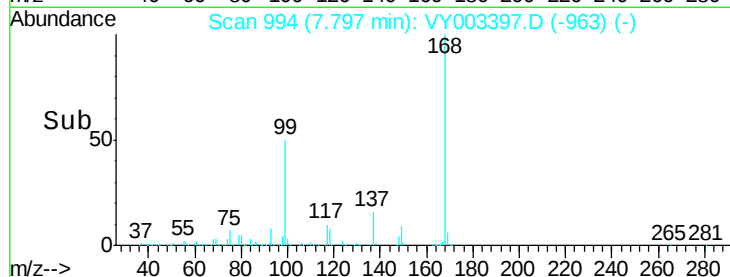
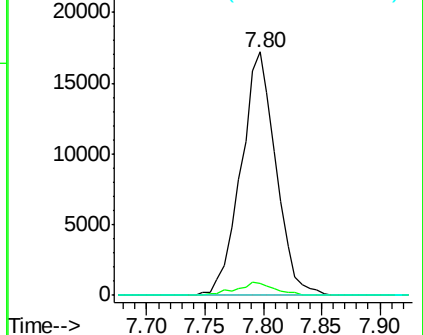
121 0.0 24.5 36.7#



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



#50

Toluene-d8

Concen: 53.039 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003397.D

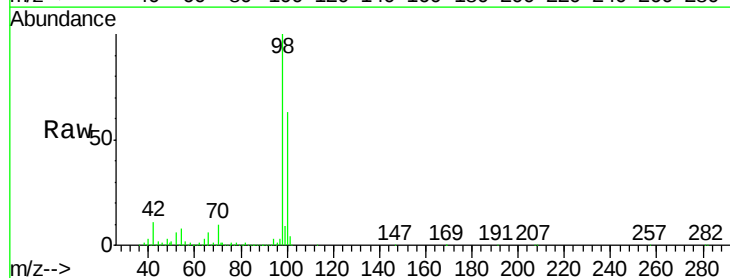
Acq: 31 Jul 2020 18:21

Tgt Ion: 98 Resp: 767520

Ion Ratio Lower Upper

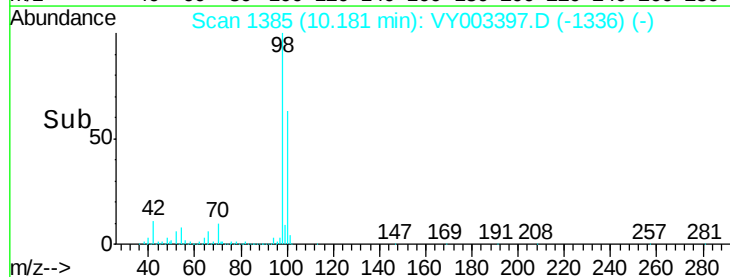
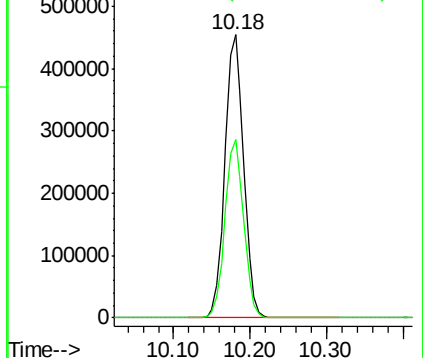
98 100

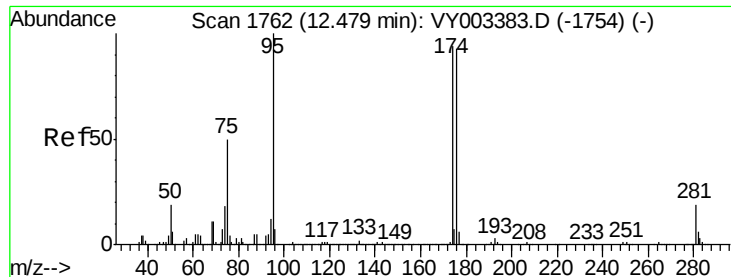
100 63.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

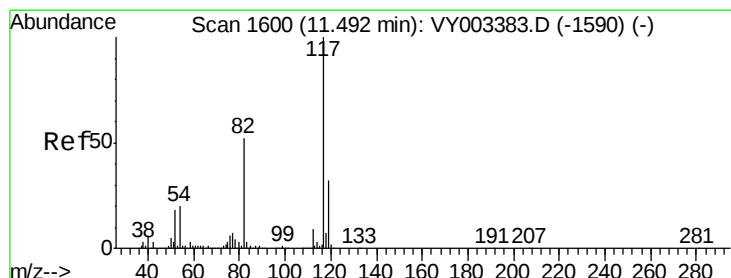
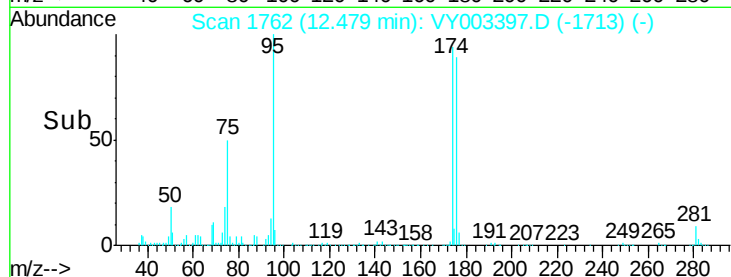
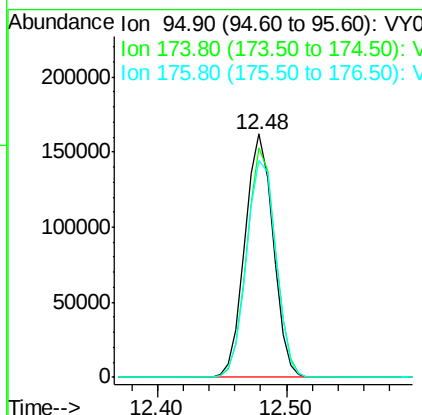
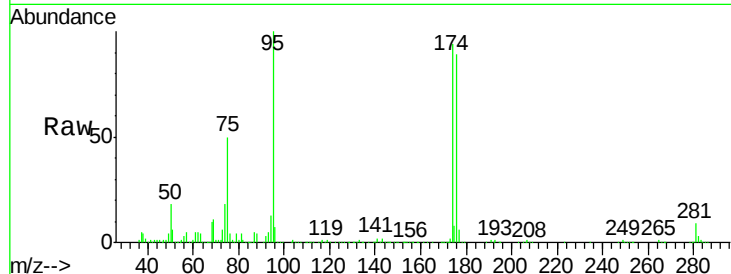




#62
4-Bromofluorobenzene
Concen: 49.599 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003397.D
Acq: 31 Jul 2020 18:21

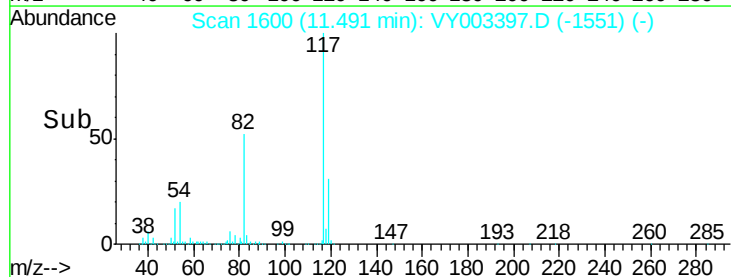
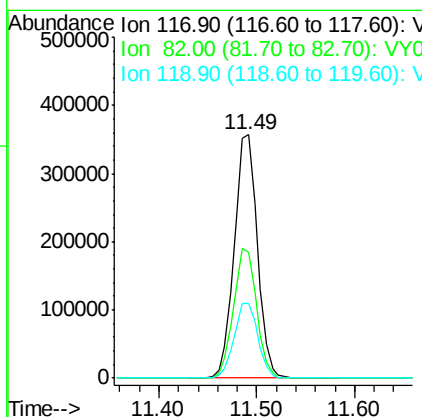
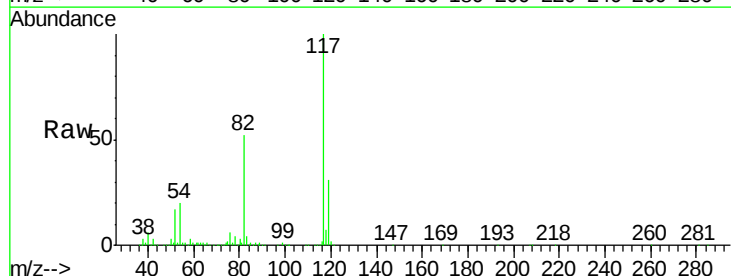
Instrument :
MSVOA_Y
ClientSampleId :

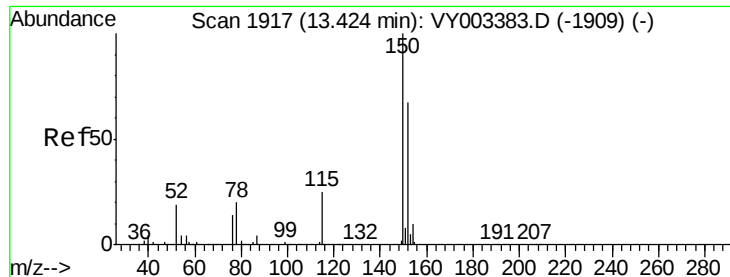
Tot Ion	Ratio	Lower	Upper
95	100		
174	95.1	0.0	190.0
176	92.4	0.0	184.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003397.D
Acq: 31 Jul 2020 18:21

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.9	62.9
119	30.7	25.4	38.0



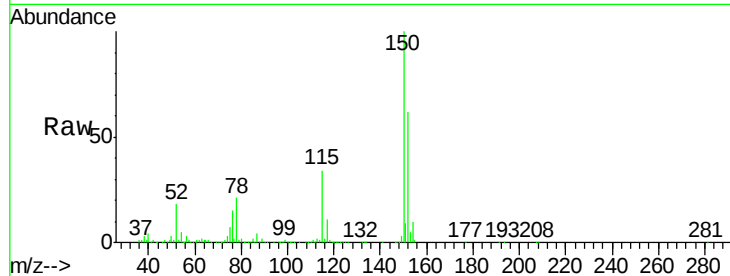


#72

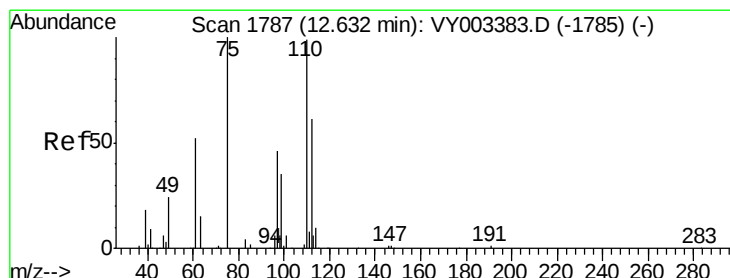
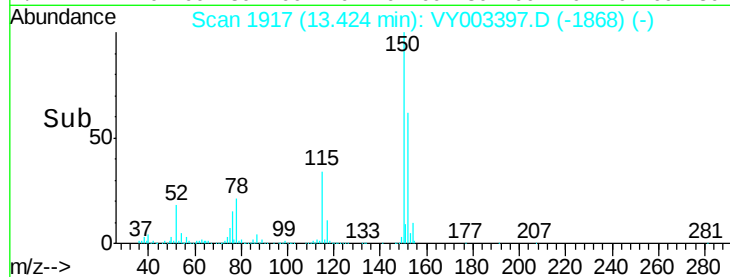
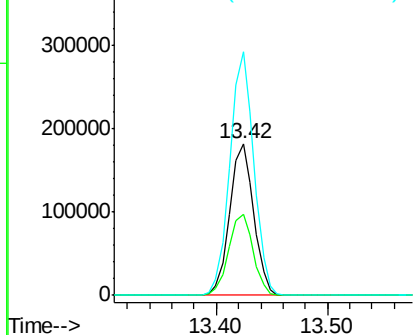
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003397.D
Acq: 31 Jul 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.2	81.5
150	159.8	0.0	346.8



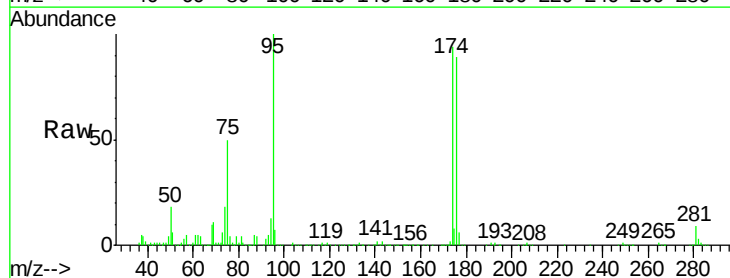
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



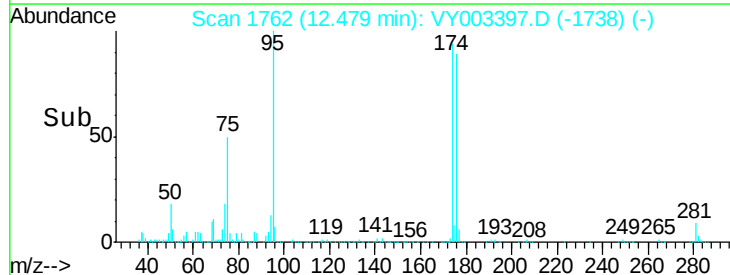
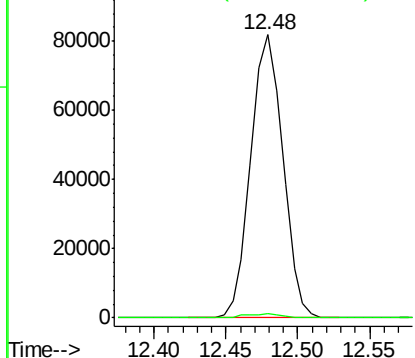
#76

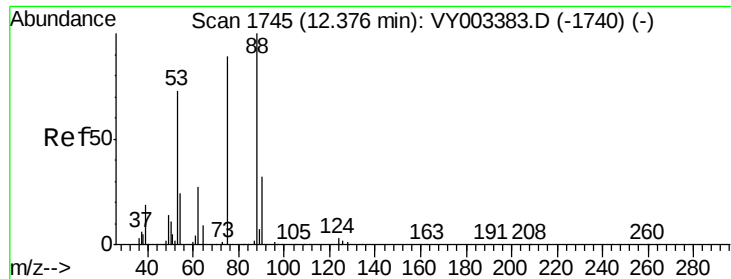
1,2,3-Trichloropropane
Concen: 51.956 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003397.D
Acq: 31 Jul 2020 18:21

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: 98.261 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003397.D

Acq: 31 Jul 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

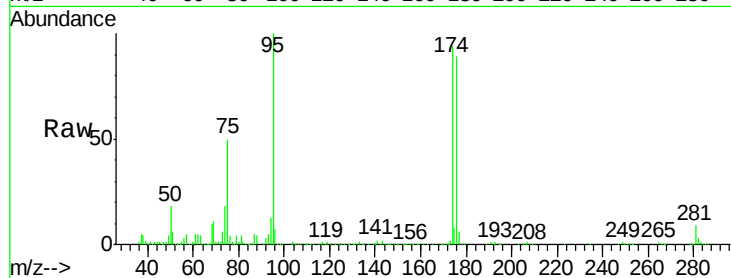
Tot Ion: 75 Resp: 126304

Ion Ratio Lower Upper

75 100

53 0.0 69.5 104.3#

89 0.1 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

