

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY073120\
 Data File : VY003394.D
 Acq On : 31 Jul 2020 17:09
 Operator : SY/MD
 Sample : L3518-02
 Misc : 4.09G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Aug 01 01:28:19 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	415990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	665741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	615562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	308663	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	219379	55.46	ug/l	0.00
Spiked Amount			Recovery	=	110.92%	
35) Dibromofluoromethane	7.72	113	205862	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	
50) Toluene-d8	10.18	98	808513	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
62) 4-Bromofluorobenzene	12.48	95	267856	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	

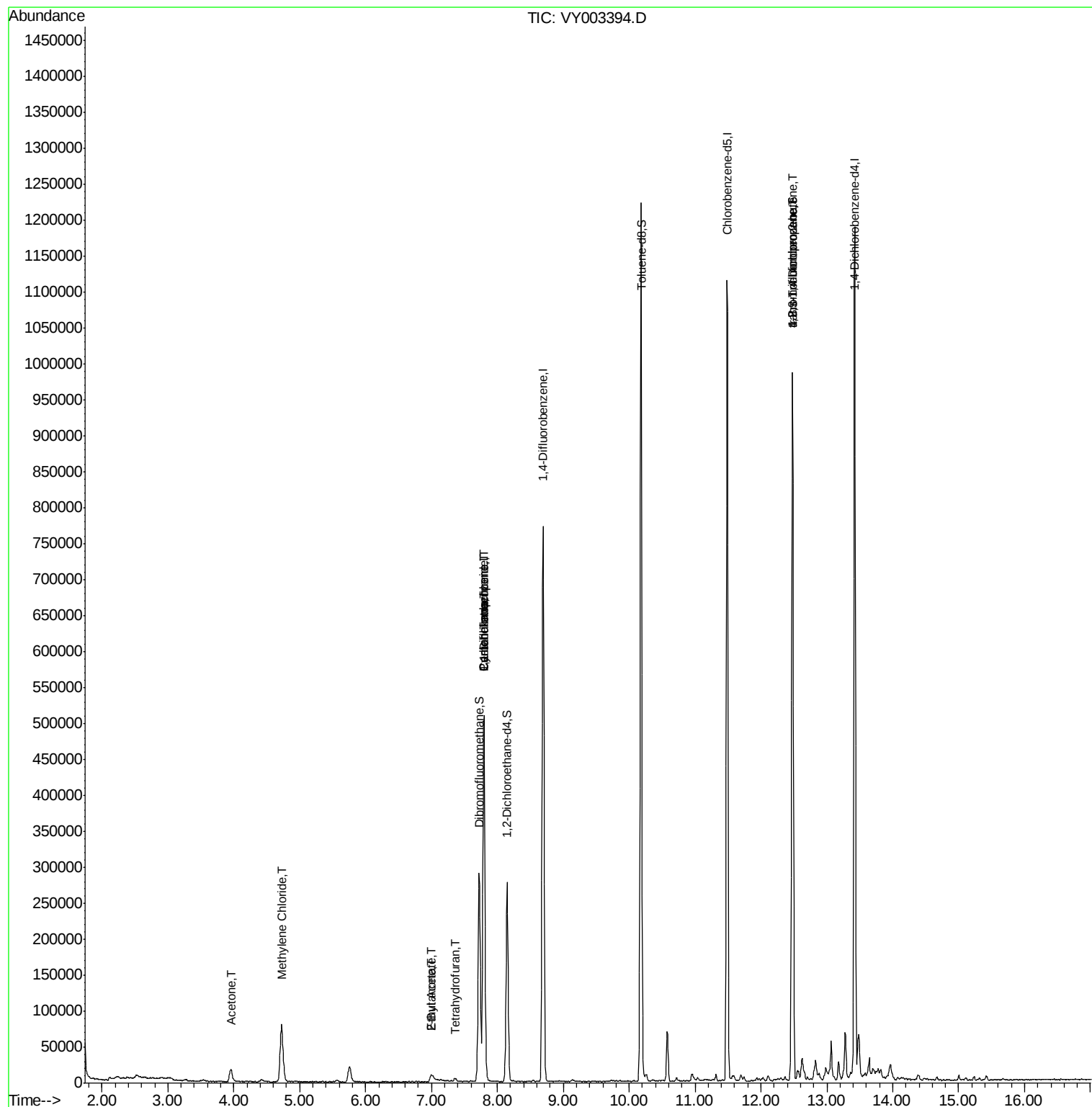
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	592	Below Cal	#	73
16) Acetone	3.96	43	31391	32.121	ug/l	98
20) Methylene Chloride	4.72	84	60482	4.152	ug/l	90
25) 2-Butanone	6.99	43	9017	6.055	ug/l #	84
29) Tetrahydrofuran	7.35	42	3204	3.297	ug/l #	84
31) Cyclohexane	7.79	56	7840	1.118	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	29065	4.614	ug/l #	50
37) Ethyl Acetate	6.99	43	9017	2.517	ug/l #	73
38) Carbon Tetrachloride	7.80	117	39400	6.078	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	139110	50.168	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	139110	94.880	ug/l #	15

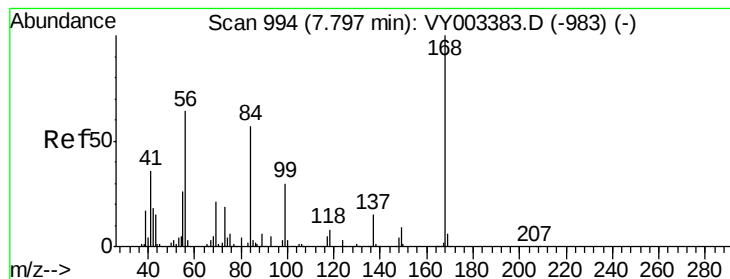
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY073120\
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Quant Time: Aug 01 01:28:19 2020
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: VY003394.D

Acq: 31 Jul 2020 17:09

Instrument :

MSVOA_Y

ClientSampled :

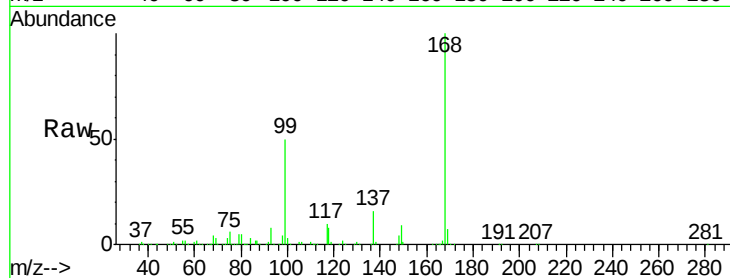
TP-4

Tot Ion:168 Resp: 415990

Ion Ratio Lower Upper

168 100

99 49.8 38.8 58.2



Abundance Ion 167.90 (167.60 to 168.60): VY003383.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003383.D (-983) (-)

7.80

200000

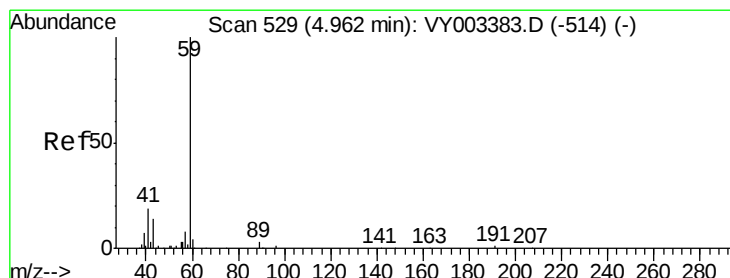
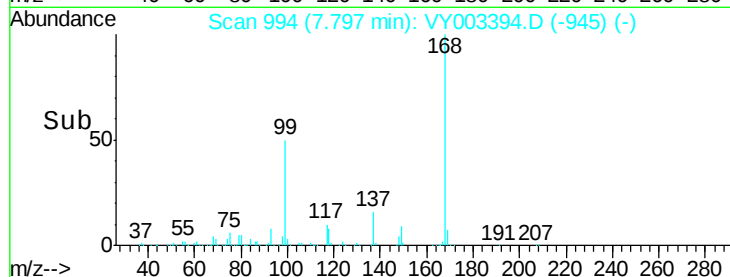
150000

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: VY003394.D

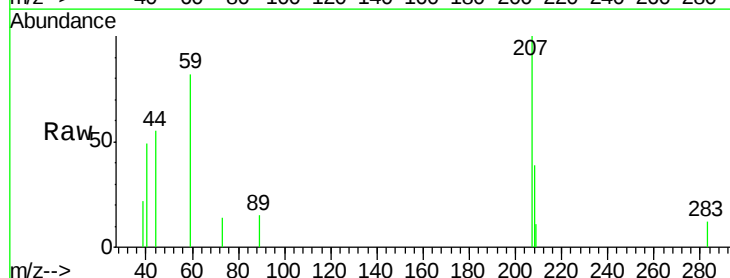
Acq: 31 Jul 2020 17:09

Tgt Ion: 59 Resp: 592

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY003383.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY003383.D (-514) (-)

4.97

400

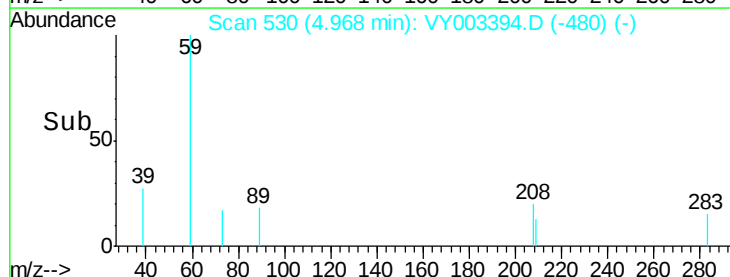
300

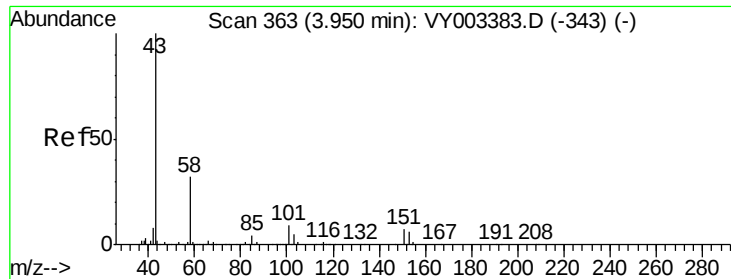
200

100

0

Time-->





#16

Acetone

Concen: 32.121 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003394.D

Acq: 31 Jul 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

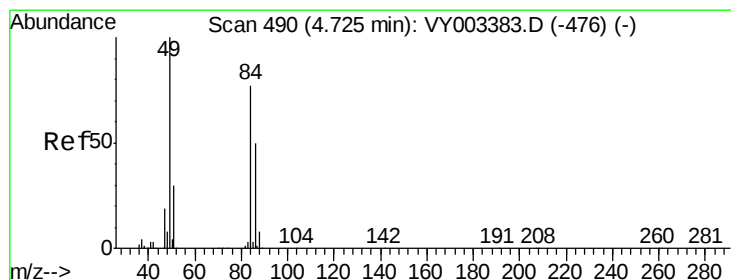
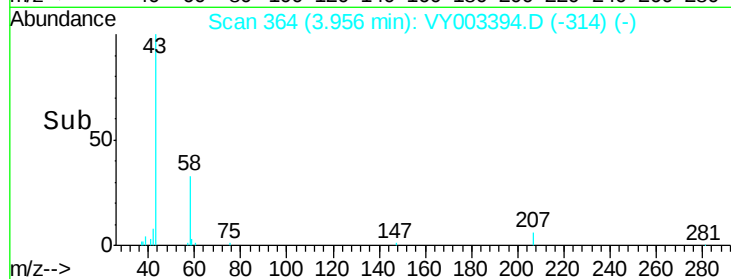
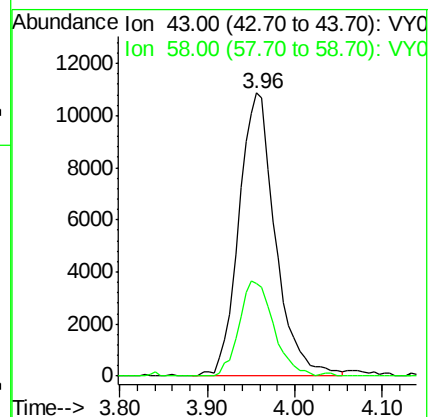
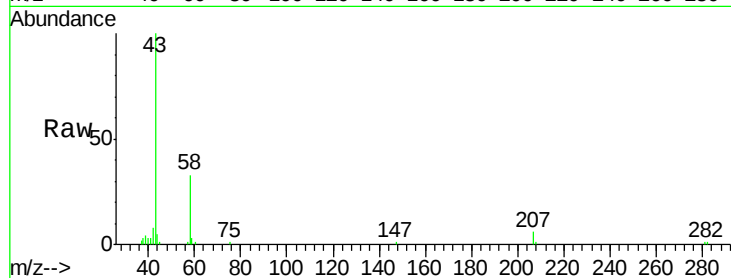
TP-4

Tot Ion: 43 Resp: 31391

Ion Ratio Lower Upper

43 100

58 32.7 25.4 38.2



#20

Methylene Chloride

Concen: 4.152 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003394.D

Acq: 31 Jul 2020 17:09

Tgt Ion: 84 Resp: 60482

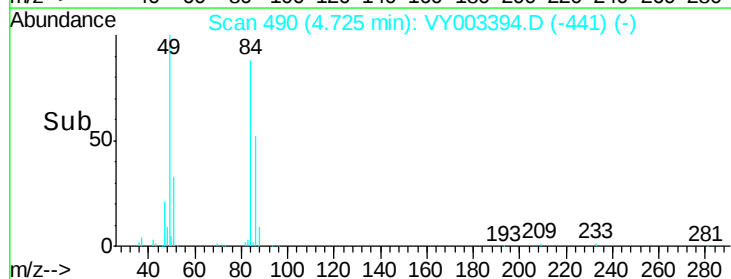
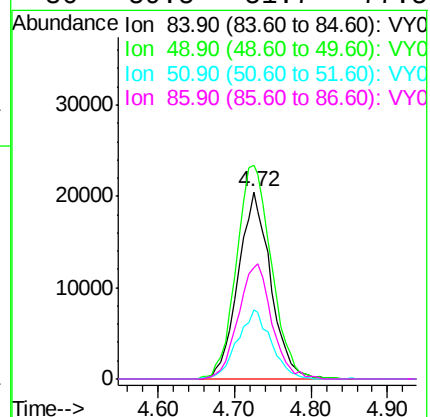
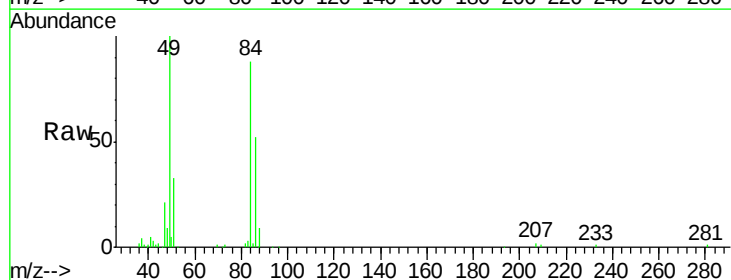
Ion Ratio Lower Upper

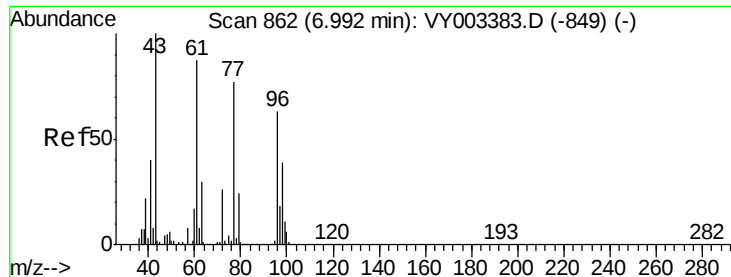
84 100

49 114.0 104.2 156.4

51 37.1 31.5 47.3

86 59.5 51.7 77.5





#25

2-Butanone

Concen: 6.055 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY003394.D

Acq: 31 Jul 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

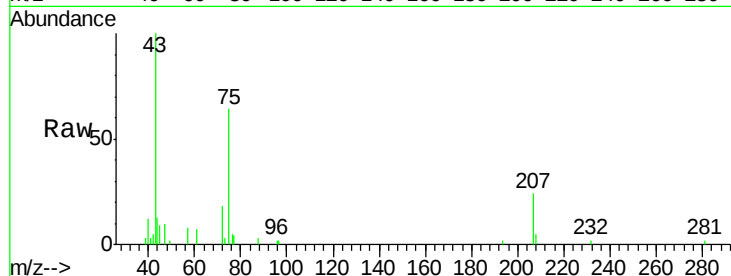
TP-4

Tot Ion: 43 Resp: 9017

Ion Ratio Lower Upper

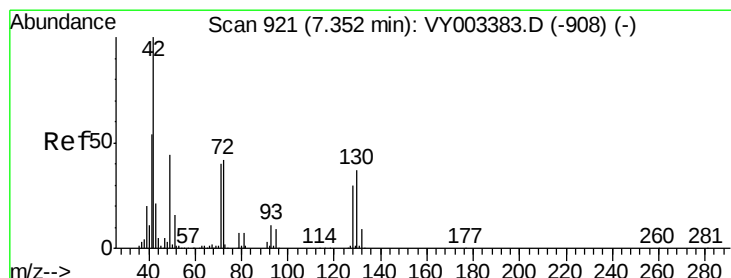
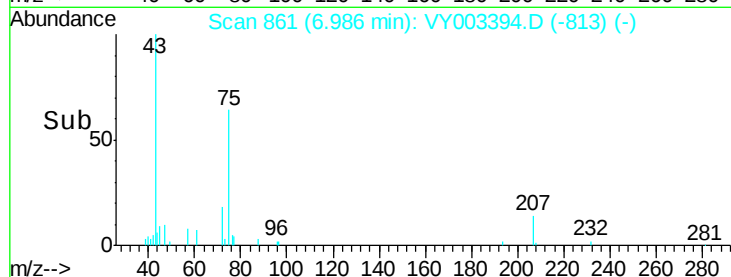
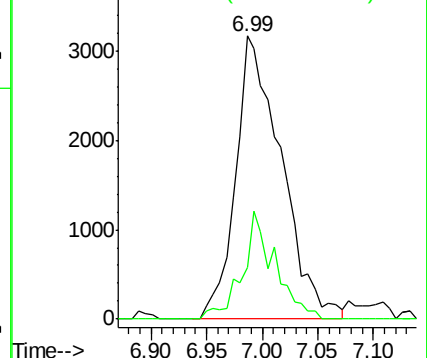
43 100

72 18.1 21.1 31.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#29

Tetrahydrofuran

Concen: 3.297 ug/l

RT: 7.35 min Scan# 921

Delta R.T. 0.00 min

Lab File: VY003394.D

Acq: 31 Jul 2020 17:09

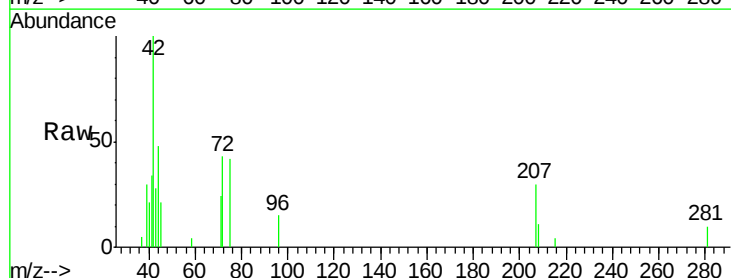
Tgt Ion: 42 Resp: 3204

Ion Ratio Lower Upper

42 100

72 26.7 33.5 50.3#

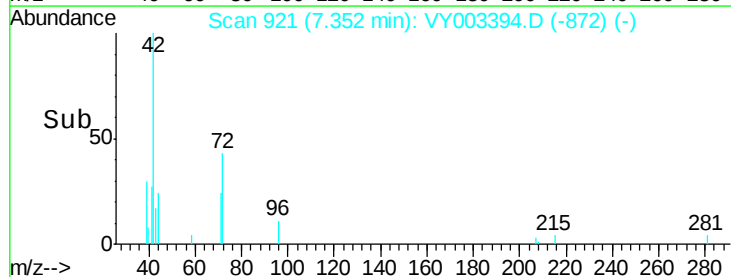
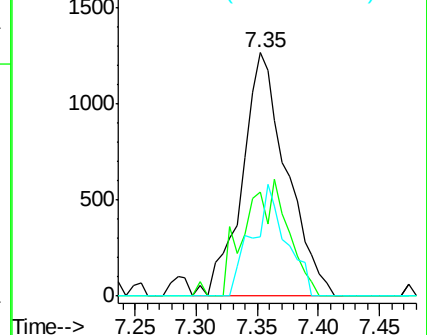
71 34.8 32.1 48.1

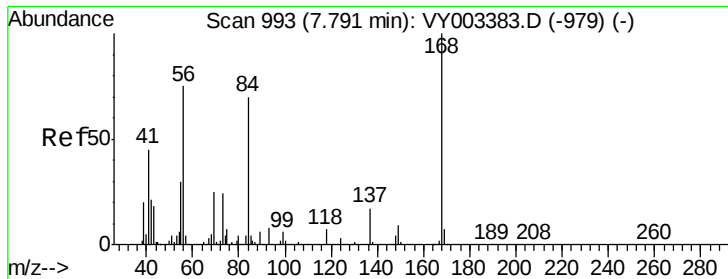


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0

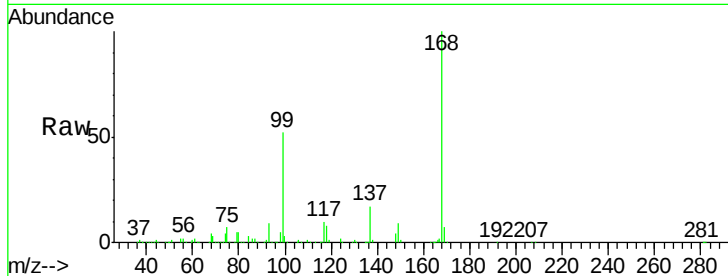




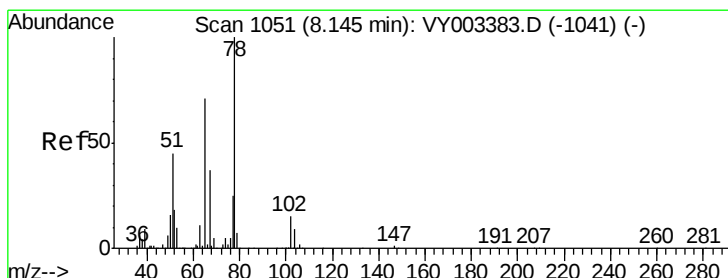
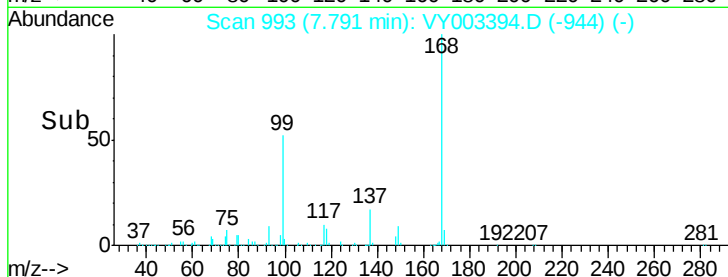
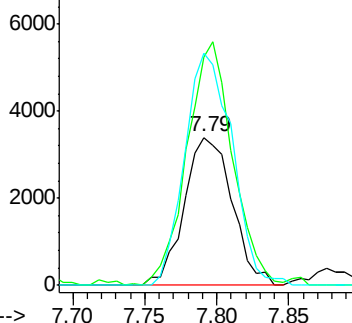
#31
Cyclohexane
Concen: 1.118 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY003394.D
Acq: 31 Jul 2020 17:09

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

Tot Ion: 56 Resp: 7840
Ion Ratio Lower Upper
56 100
69 152.5 26.1 39.1#
84 156.5 73.9 110.9#

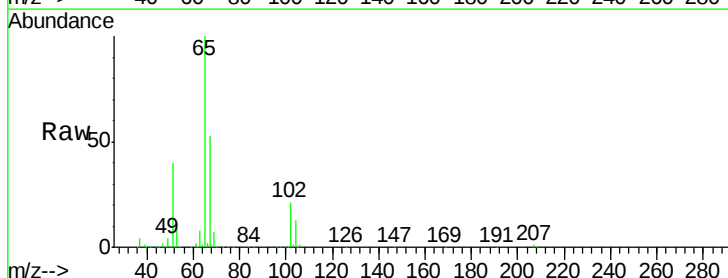


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

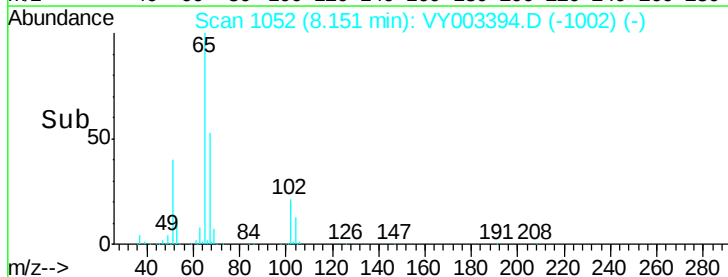
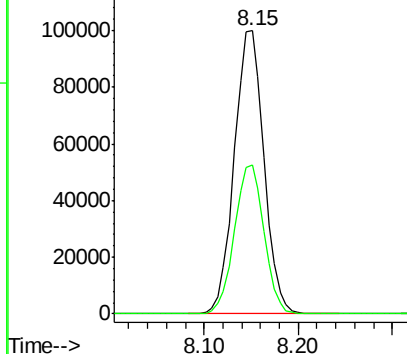


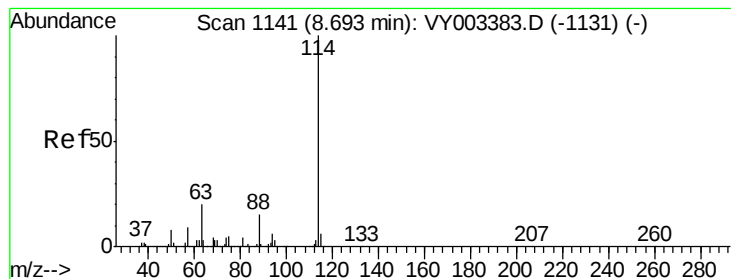
#33
1,2-Dichloroethane-d4
Concen: 55.465 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VY003394.D
Acq: 31 Jul 2020 17:09

Tgt Ion: 65 Resp: 219379
Ion Ratio Lower Upper
65 100
67 52.4 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: VY003394.D

Acq: 31 Jul 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

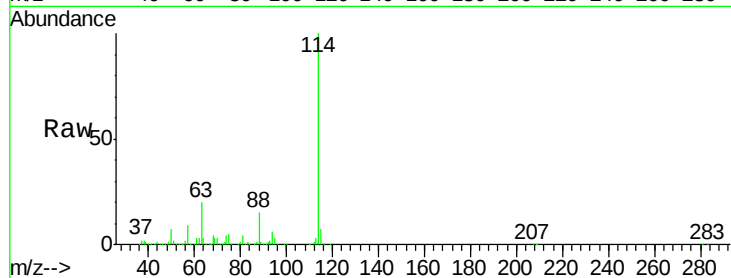
Tot Ion:114 Resp: 665741

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.6

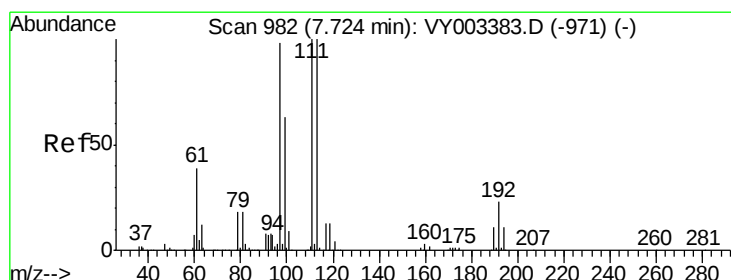
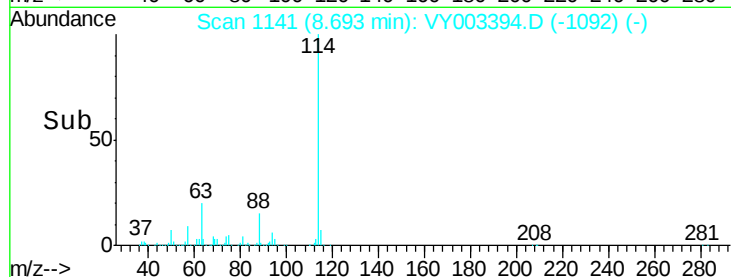
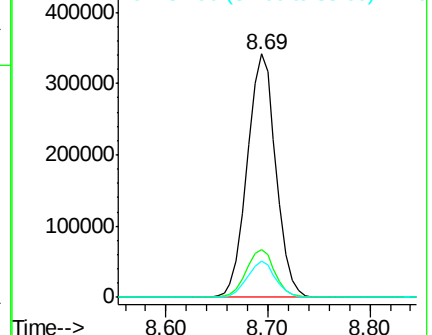
88 15.1 0.0 29.2



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: 52.494 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003394.D

Acq: 31 Jul 2020 17:09

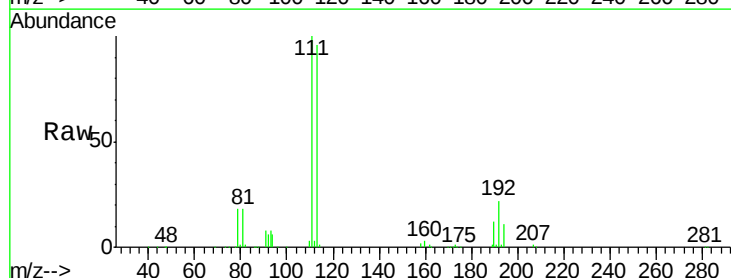
Tgt Ion:113 Resp: 205862

Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.4

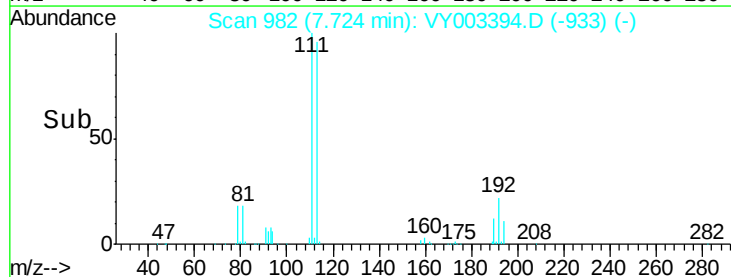
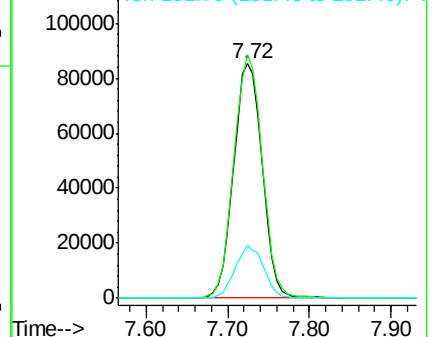
192 22.3 18.8 28.2

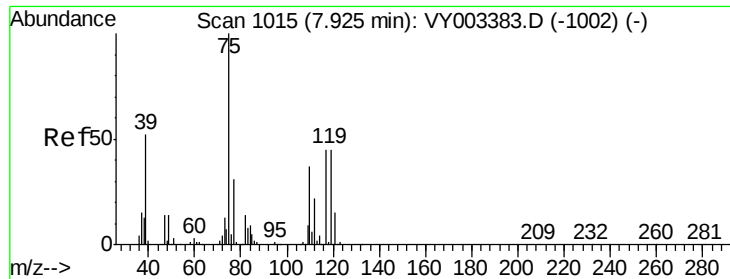


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.614 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003394.D

Acq: 31 Jul 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

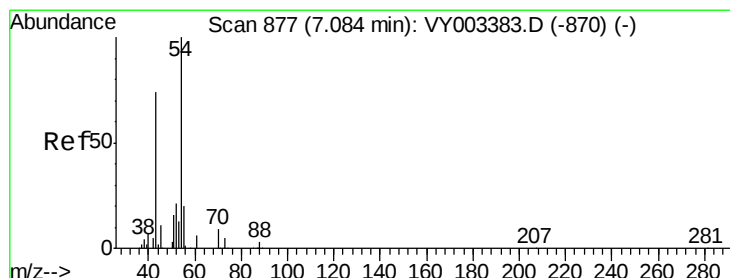
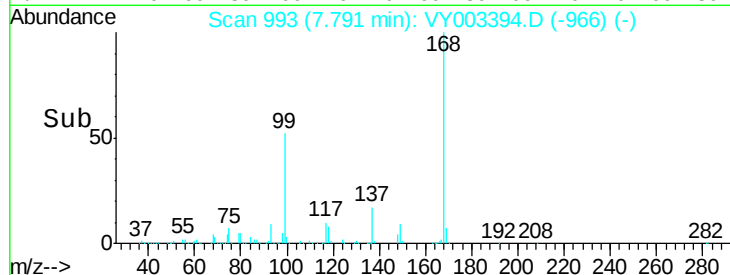
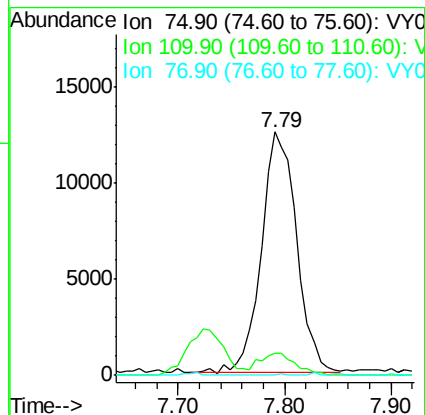
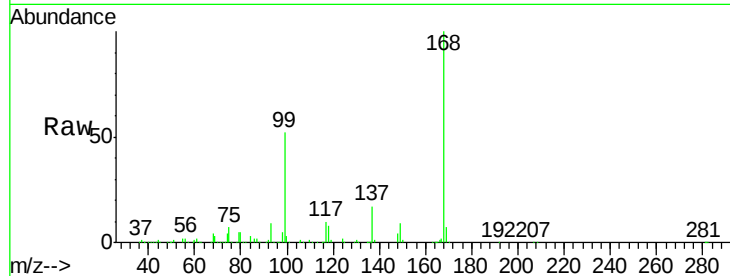
Tot Ion: 75 Resp: 29065

Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.5#

77 0.1 24.6 36.8#



#37

Ethyl Acetate

Concen: 2.517 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.10 min

Lab File: VY003394.D

Acq: 31 Jul 2020 17:09

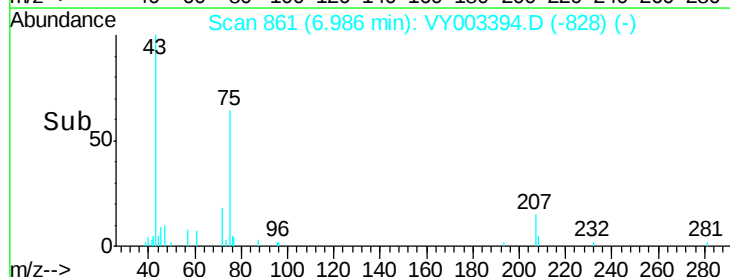
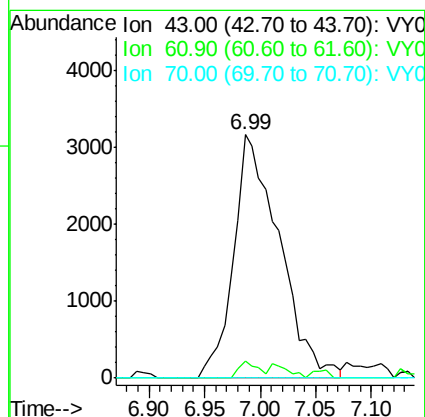
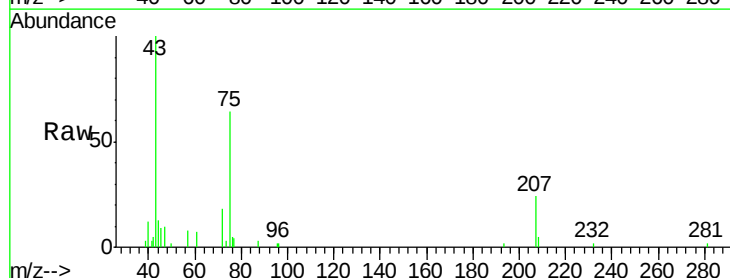
Tgt Ion: 43 Resp: 9017

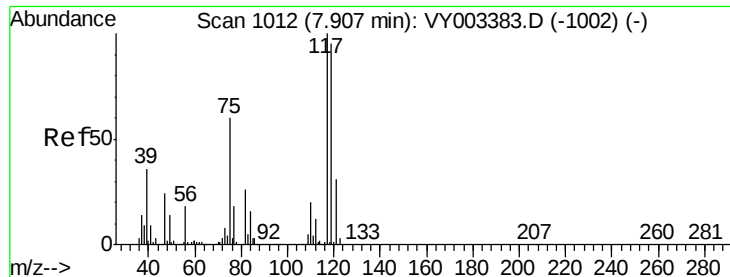
Ion Ratio Lower Upper

43 100

61 2.9 11.2 16.8#

70 0.0 7.7 11.5#





#38

Carbon Tetrachloride

Concen: 6.078 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003394.D

Acq: 31 Jul 2020 17:09

Instrument :

MSVOA_Y

ClientSampled :

TP-4

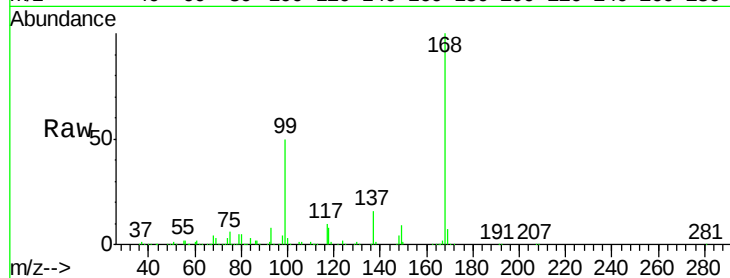
Tot Ion:117 Resp: 39400

Ion Ratio Lower Upper

117 100

119 5.2 76.1 114.1#

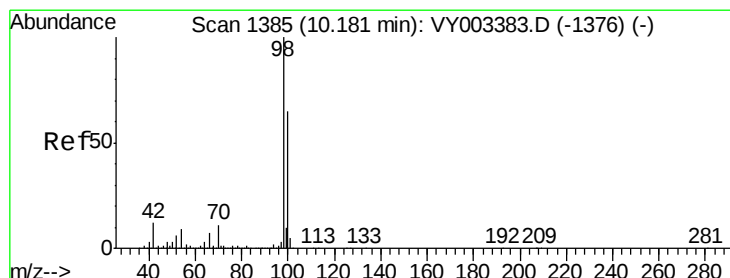
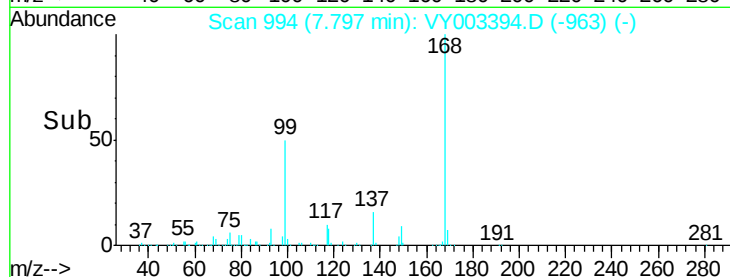
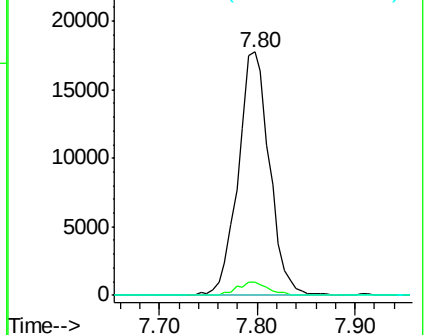
121 0.0 24.5 36.7#



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: 52.650 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003394.D

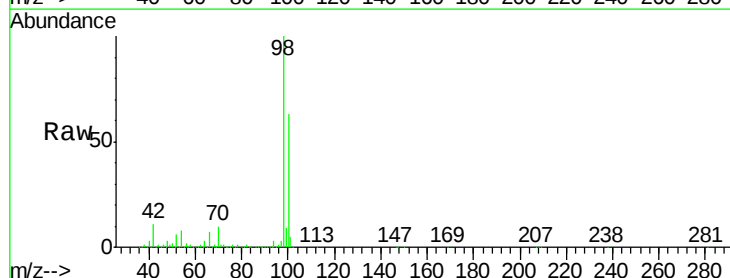
Acq: 31 Jul 2020 17:09

Tgt Ion: 98 Resp: 808513

Ion Ratio Lower Upper

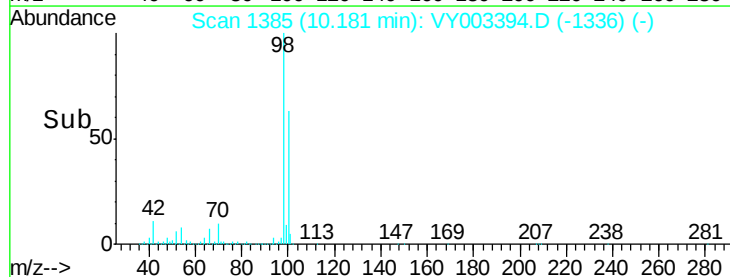
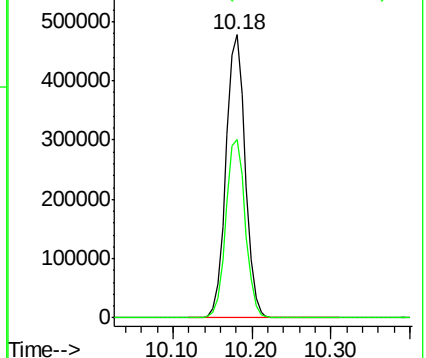
98 100

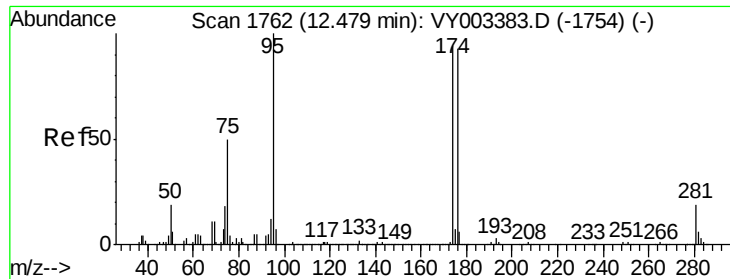
100 63.6 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

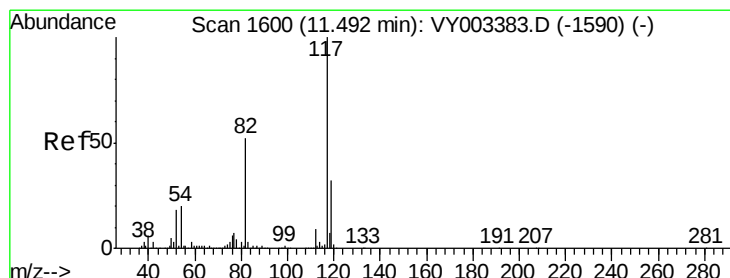
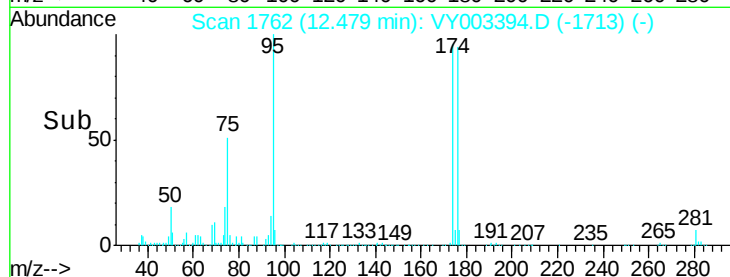
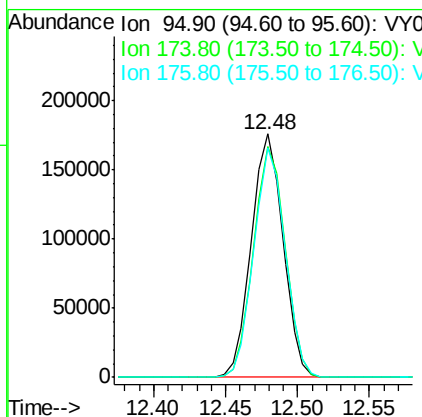
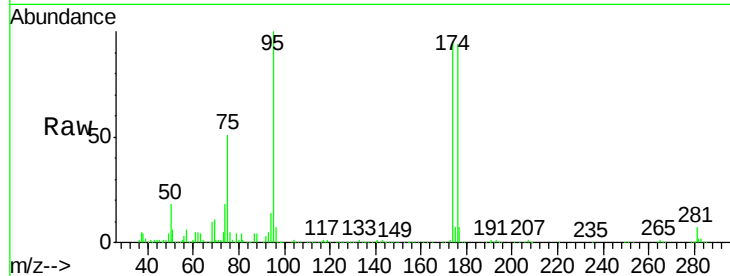




#62
4-Bromofluorobenzene
Concen: 51.050 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003394.D
Acq: 31 Jul 2020 17:09

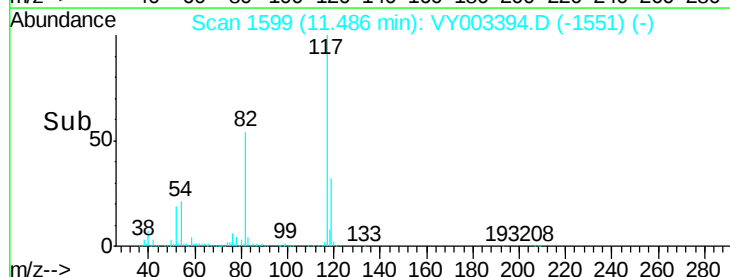
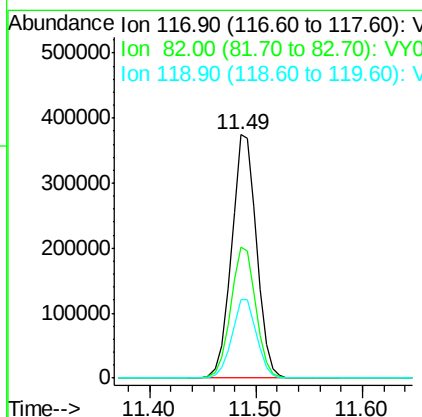
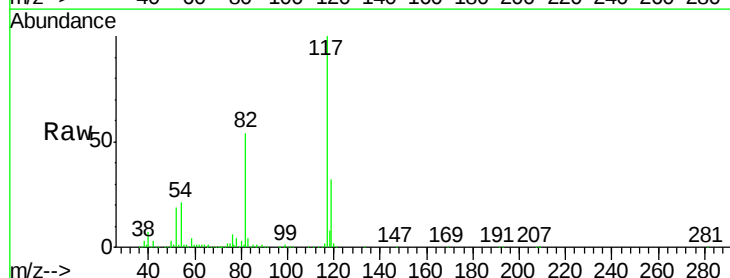
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

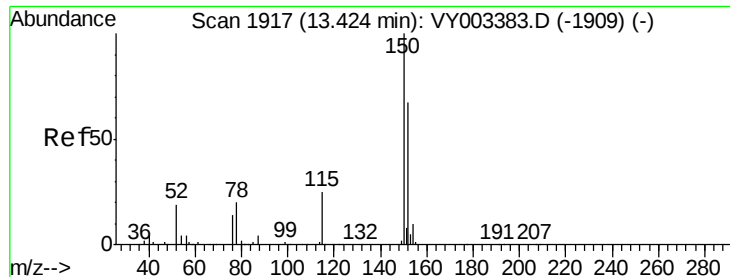
Tot Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	190.0
176	93.2	0.0	184.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003394.D
Acq: 31 Jul 2020 17:09

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.8	41.9	62.9
119	32.3	25.4	38.0



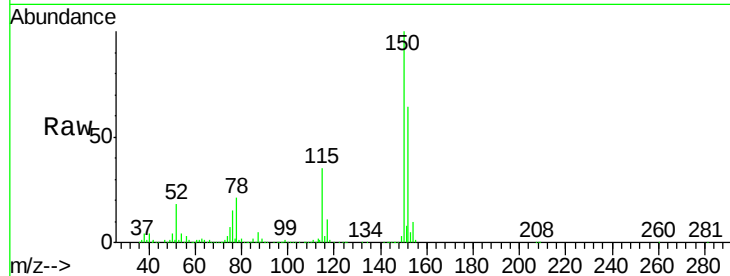


#72

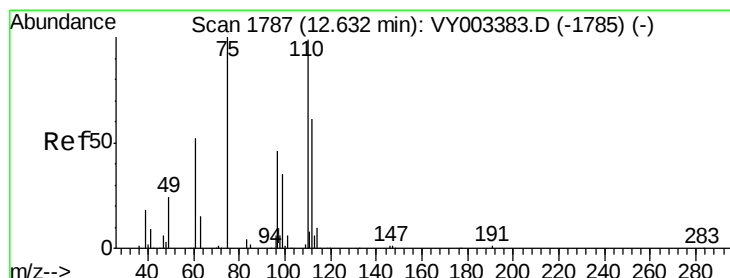
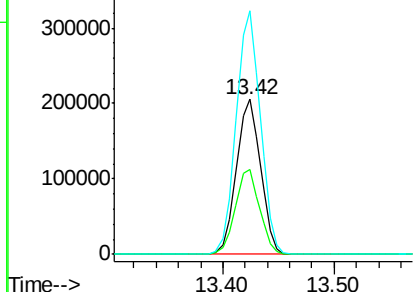
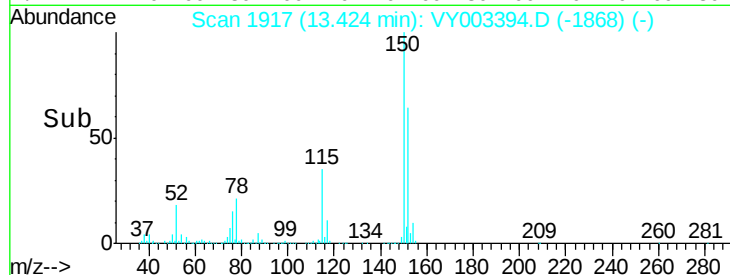
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003394.D
Acq: 31 Jul 2020 17:09

Instrument :
MSVOA_Y
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.2	81.5
150	157.3	0.0	346.8



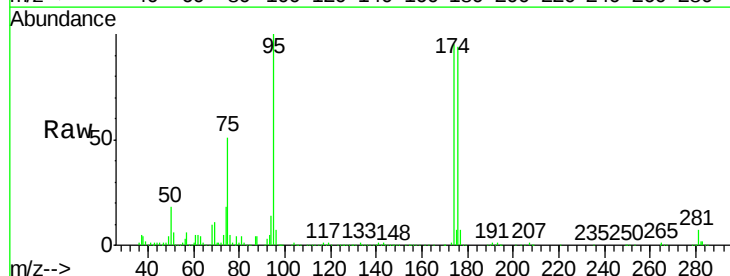
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



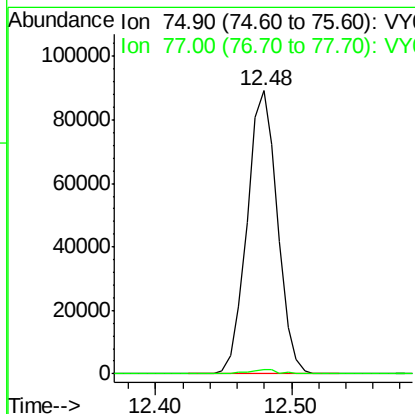
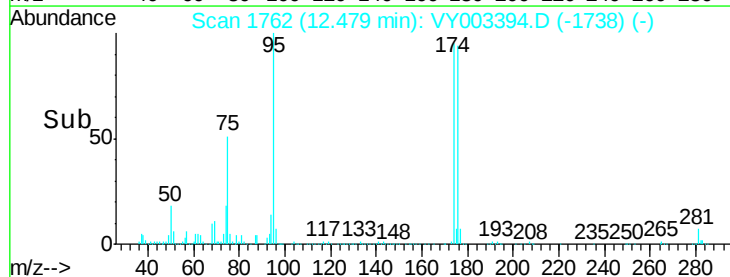
#76

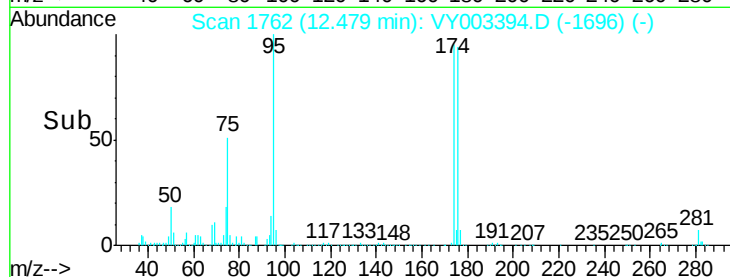
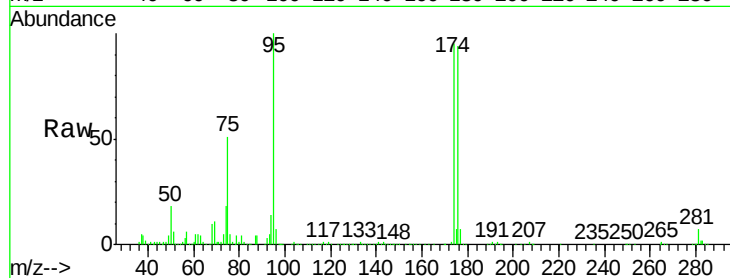
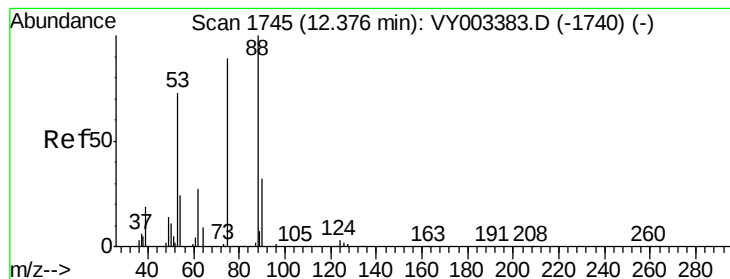
1,2,3-Trichloropropane
Concen: 50.168 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003394.D
Acq: 31 Jul 2020 17:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	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: 94.880 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003394.D

Acq: 31 Jul 2020 17:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

Tot Ion: 75 Resp: 139110

Ion Ratio Lower Upper

75 100

53 0.0 69.5 104.3#

89 0.1 33.8 50.6#

