

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY060320\
 Data File : VY002825.D
 Acq On : 03 Jun 2020 12:05
 Operator : SY/MD
 Sample : L2814-01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-02-052920

Quant Time: Jun 03 12:56:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	254528	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	410302	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	376234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	190024	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	123694	55.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.94%	
35) Dibromofluoromethane	7.73	113	124819	51.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.82%	
50) Toluene-d8	10.18	98	479698	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.48	95	159968	48.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.30%	

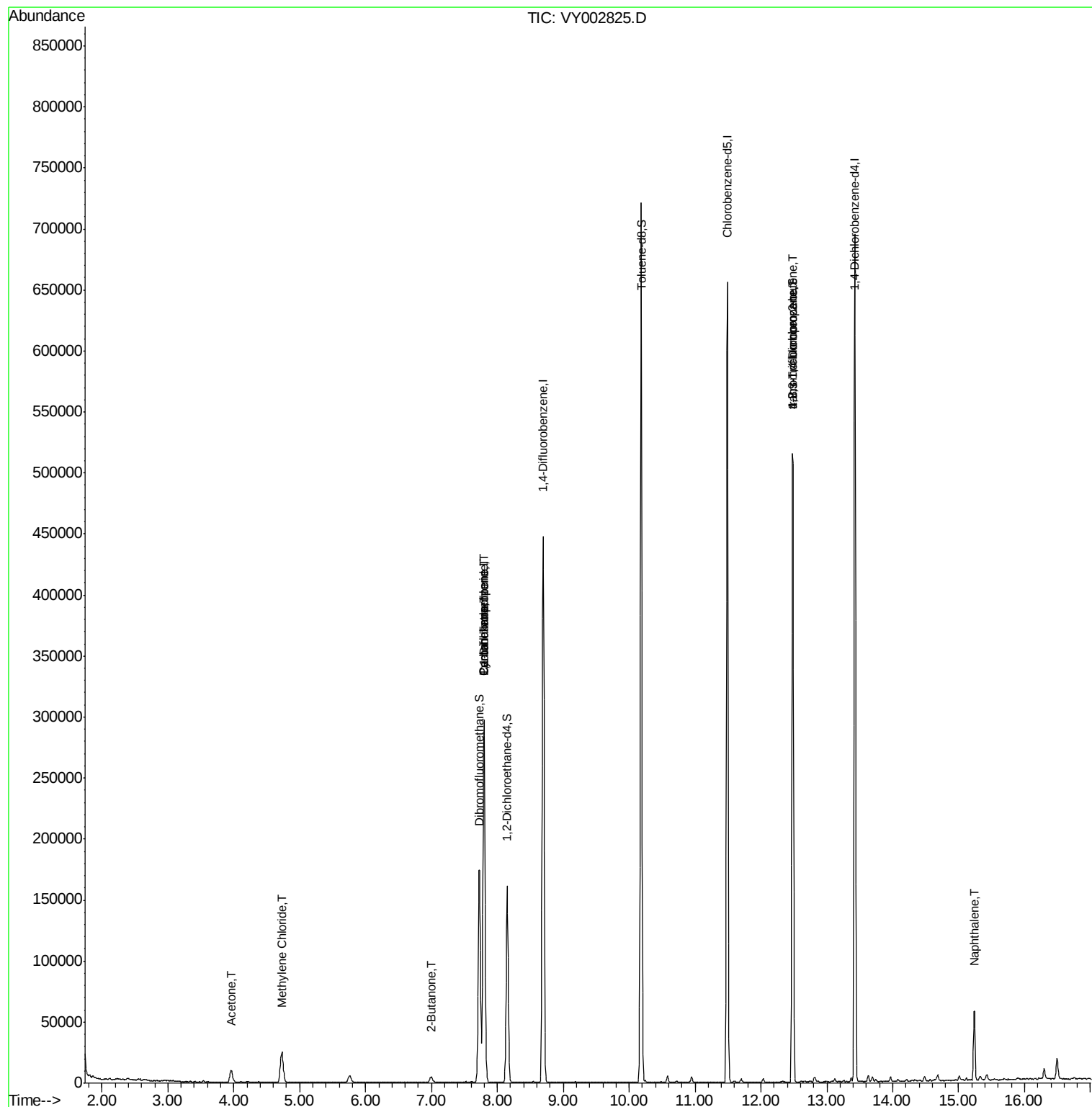
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	483	Below Cal	#	74
16) Acetone	3.96	43	17657	34.07	ug/l	98
18) Methyl Acetate	4.48	43	564	Below Cal	#	65
20) Methylene Chloride	4.72	84	20521	8.10	ug/l	98
25) 2-Butanone	6.99	43	3278	4.06	ug/l	# 81
31) Cyclohexane	7.80	56	3920	1.05	ug/l	# 1
36) 1,1-Dichloropropene	7.80	75	15683	4.54	ug/l	# 50
38) Carbon Tetrachloride	7.80	117	22902	5.96	ug/l	# 15
76) 1,2,3-Trichloropropane	12.48	75	75730	44.23	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.48	75	75730	83.33	ug/l	# 17
95) Naphthalene	15.24	128	50205	6.10	ug/l	100

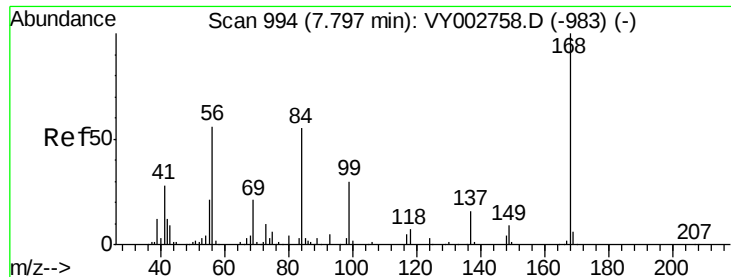
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY060320\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002825.D

Acq: 03 Jun 2020 12:05

Instrument :

MSVOA_Y

ClientSampleId :

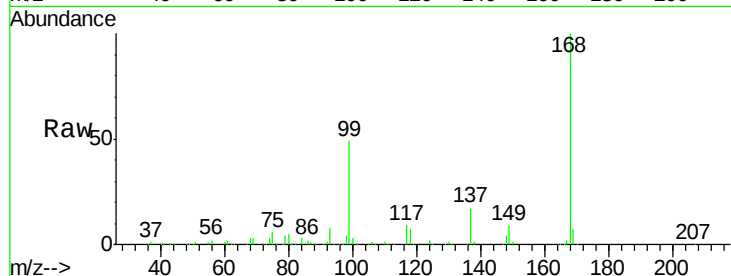
PL-02-052920

Tgt Ion:168 Resp: 254528

Ion Ratio Lower Upper

168 100

99 48.8 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002825.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002825.D (-945) (-)

7.80

120000

100000

80000

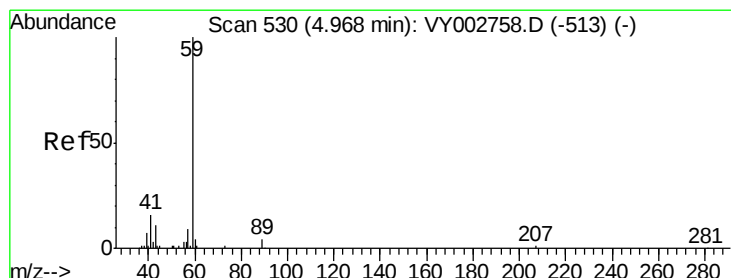
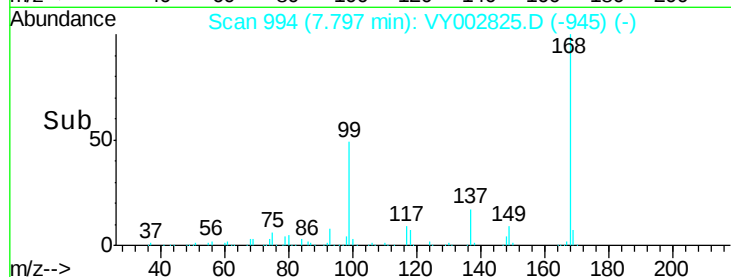
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY002825.D

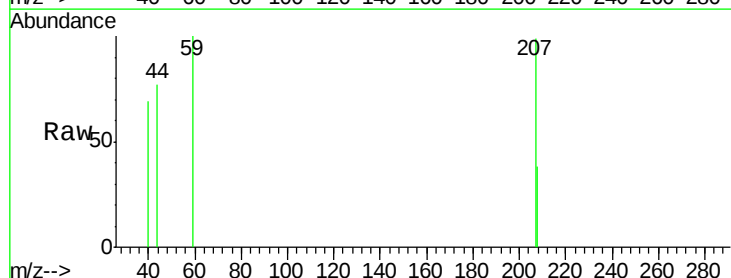
Acq: 03 Jun 2020 12:05

Tgt Ion: 59 Resp: 483

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002825.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002825.D (-481) (-)

4.97

250

200

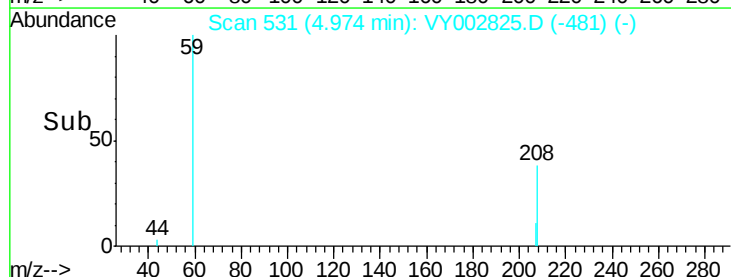
150

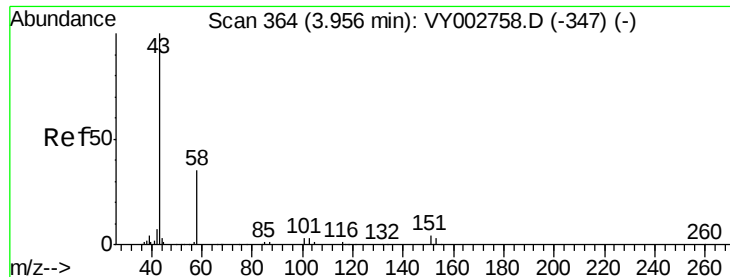
100

50

0

Time-->





#16

Acetone

Concen: 34.07 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY002825.D

Acq: 03 Jun 2020 12:05

Instrument :

MSVOA_Y

ClientSampleId :

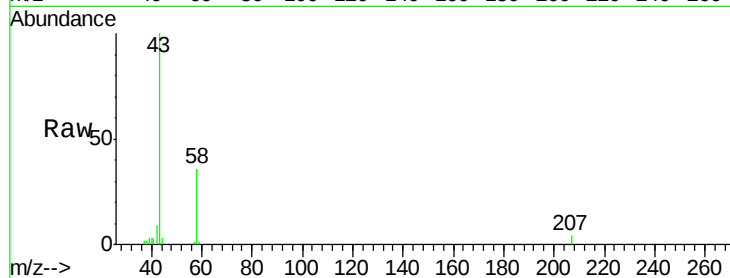
PL-02-052920

Tgt Ion: 43 Resp: 17657

Ion Ratio Lower Upper

43 100

58 35.5 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VY002825.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VY002825.D (-315) (-)

Time-->

3.96

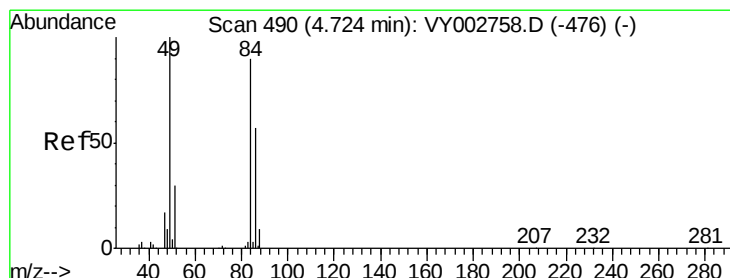
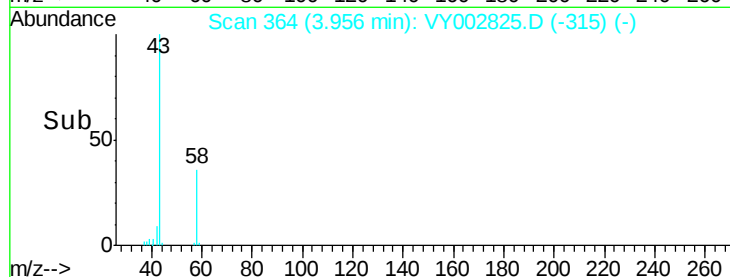
6000

4000

2000

0

3.90 4.00 4.10



#20

Methylene Chloride

Concen: 8.10 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY002825.D

Acq: 03 Jun 2020 12:05

Tgt Ion: 84 Resp: 20521

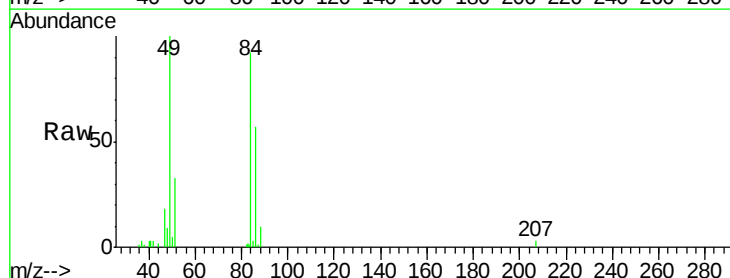
Ion Ratio Lower Upper

84 100

49 109.0 88.5 132.7

51 35.7 26.8 40.2

86 62.3 50.6 75.8



Abundance Ion 83.90 (83.60 to 84.60): VY002825.D (-441) (-)

Ion 48.90 (48.60 to 49.60): VY002825.D (-441) (-)

Ion 50.90 (50.60 to 51.60): VY002825.D (-441) (-)

Ion 85.90 (85.60 to 86.60): VY002825.D (-441) (-)

Time-->

4.72

10000

8000

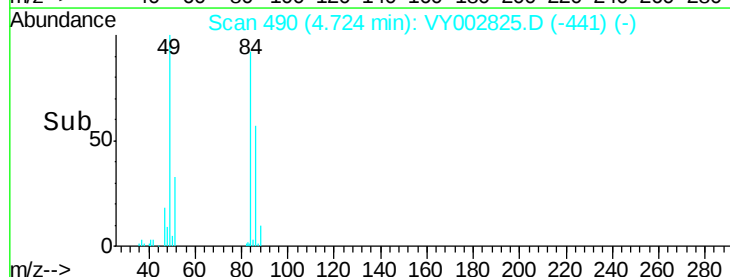
6000

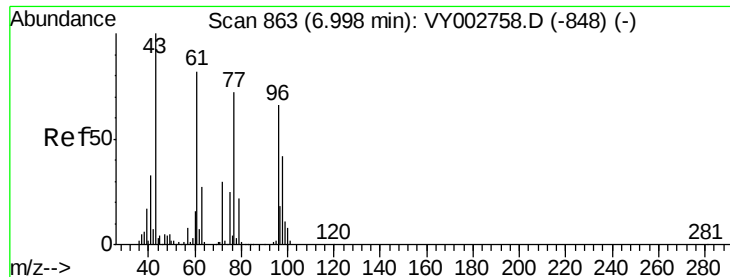
4000

2000

0

4.60 4.70 4.80





#25

2-Butanone

Concen: 4.06 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002825.D

Acq: 03 Jun 2020 12:05

Instrument :

MSVOA_Y

ClientSampleId :

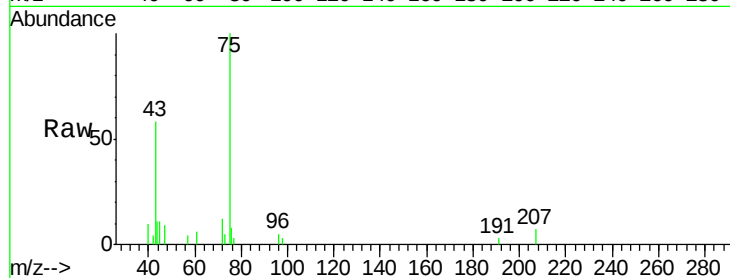
PL-02-052920

Tgt Ion: 43 Resp: 3278

Ion Ratio Lower Upper

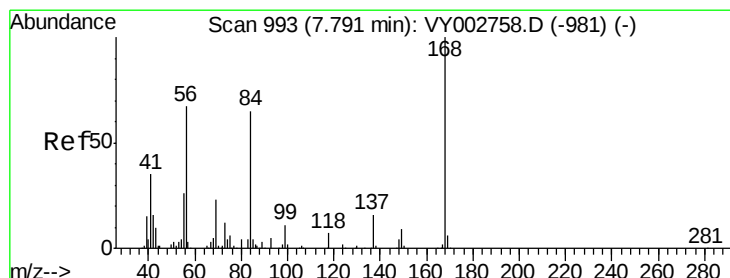
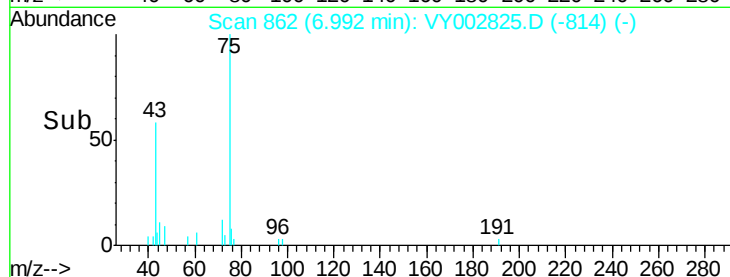
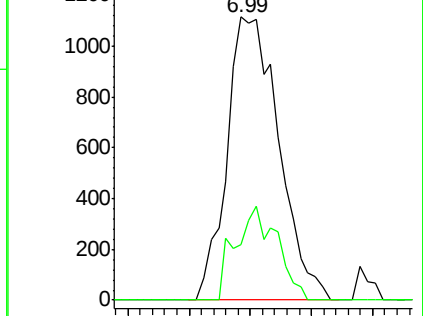
43 100

72 19.7 23.9 35.9#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.05 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY002825.D

Acq: 03 Jun 2020 12:05

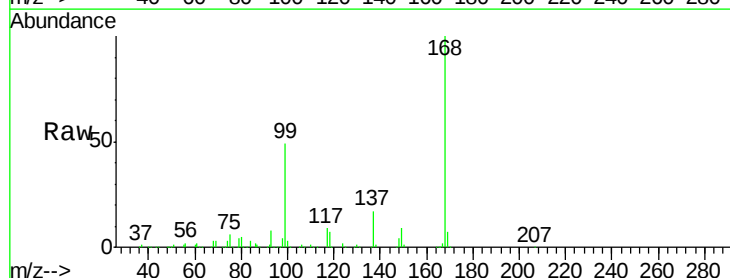
Tgt Ion: 56 Resp: 3920

Ion Ratio Lower Upper

56 100

69 162.7 28.0 42.0#

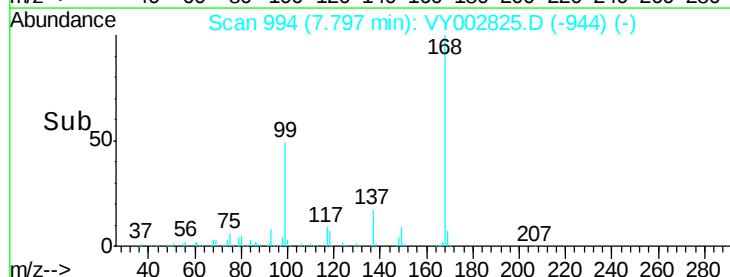
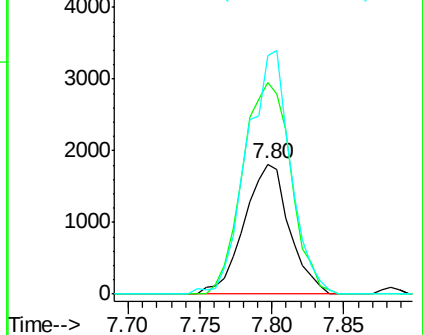
84 183.6 77.7 116.5#

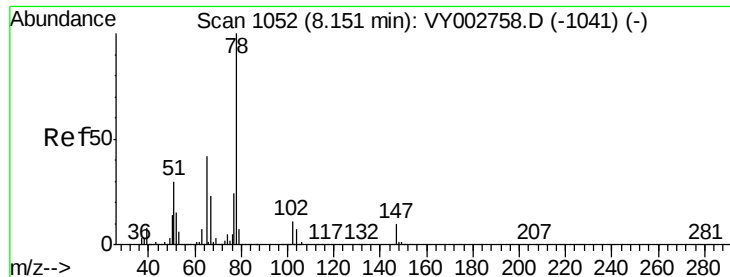


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

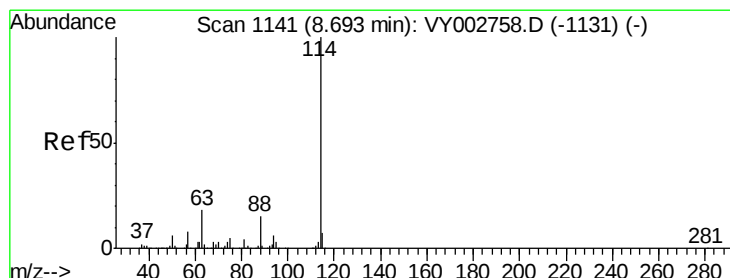
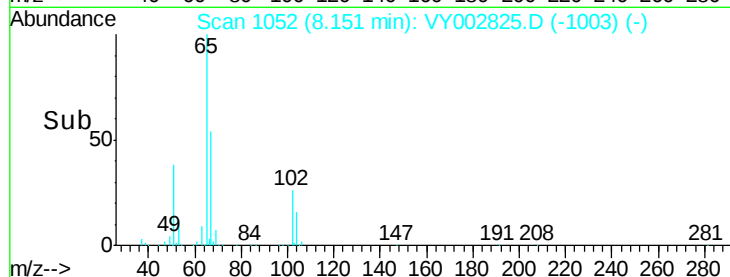
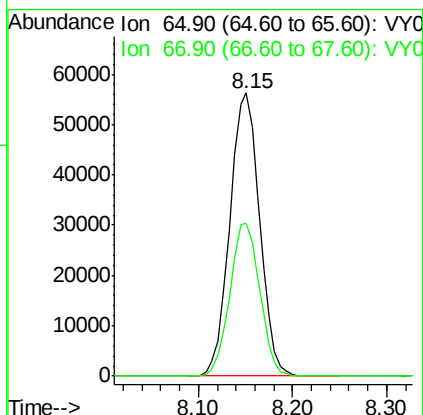
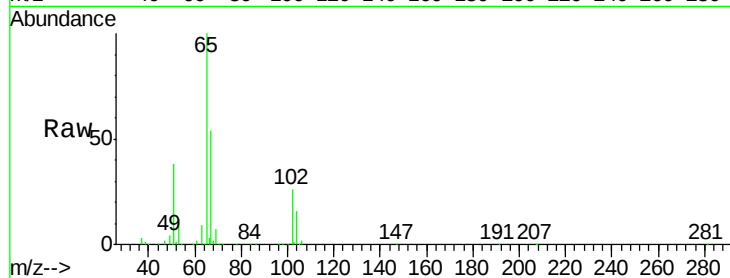




#33
 1,2-Dichloroethane-d4
 Concen: 55.97 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002825.D
 Acq: 03 Jun 2020 12:05

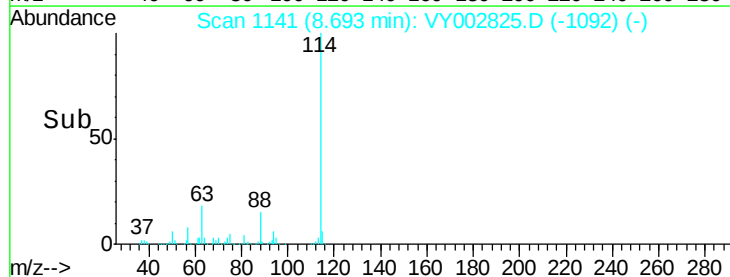
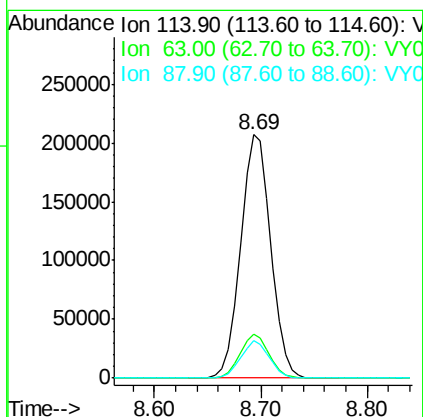
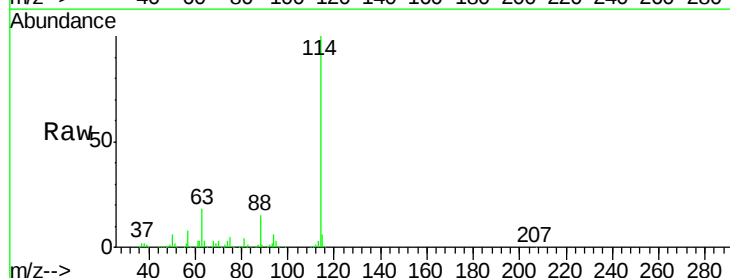
Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-02-052920

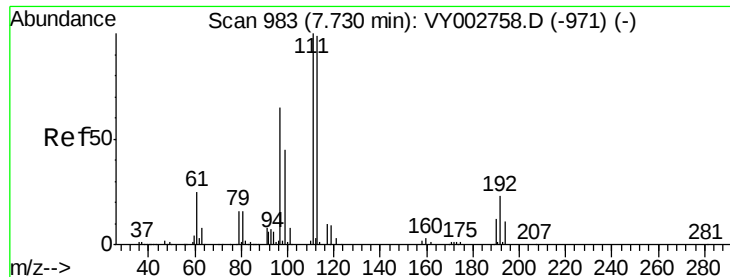
Tgt Ion: 65 Resp: 123694
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002825.D
 Acq: 03 Jun 2020 12:05

Tgt Ion: 114 Resp: 410302
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.2
 88 15.2 0.0 29.2





#35

Dibromofluoromethane

Concen: 51.91 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY002825.D

Acq: 03 Jun 2020 12:05

Instrument :

MSVOA_Y

ClientSampleId :

PL-02-052920

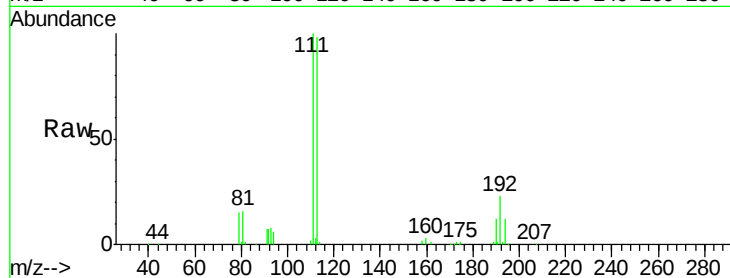
Tgt Ion:113 Resp: 124819

Ion Ratio Lower Upper

113 100

111 103.7 82.0 123.0

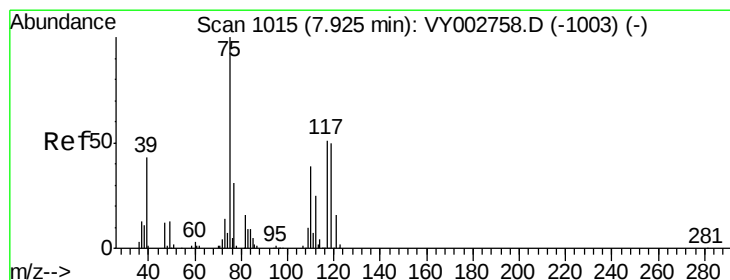
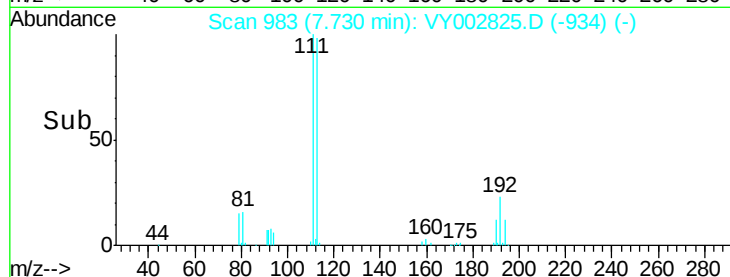
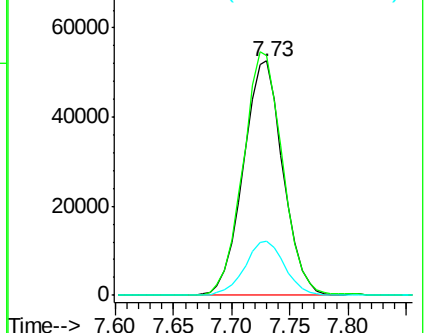
192 23.1 18.9 28.3



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: 4.54 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002825.D

Acq: 03 Jun 2020 12:05

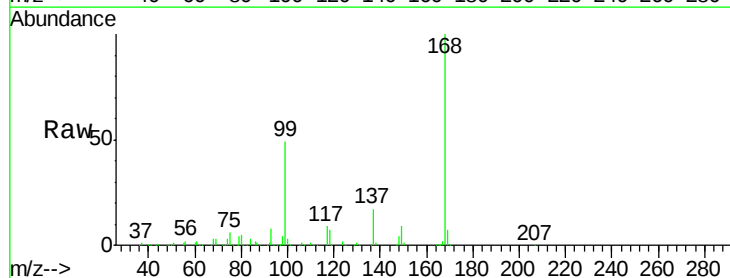
Tgt Ion: 75 Resp: 15683

Ion Ratio Lower Upper

75 100

110 10.9 19.3 57.9#

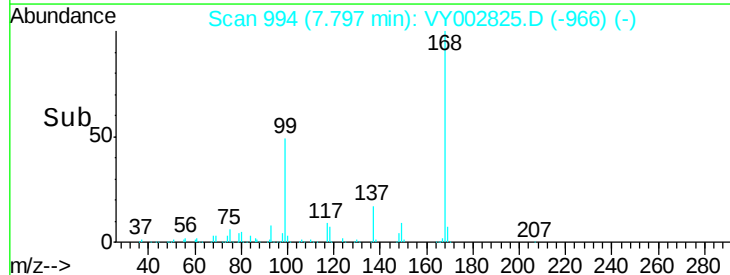
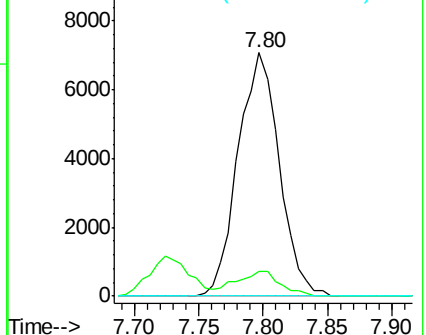
77 0.0 24.8 37.2#

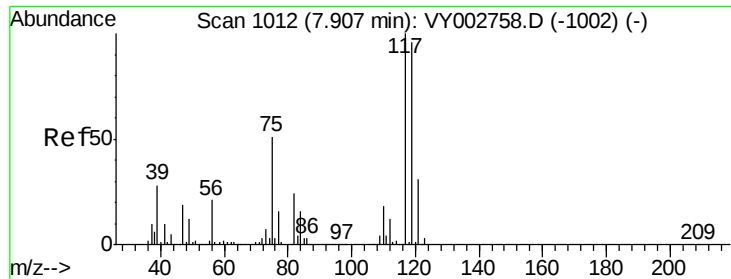


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

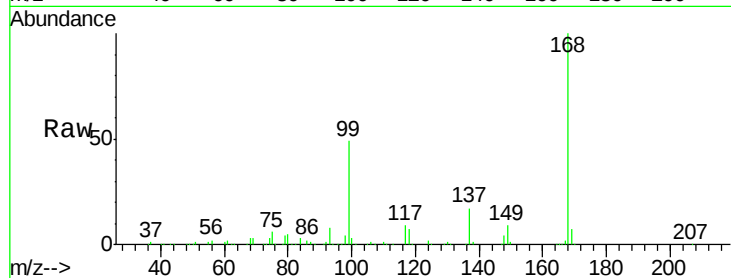




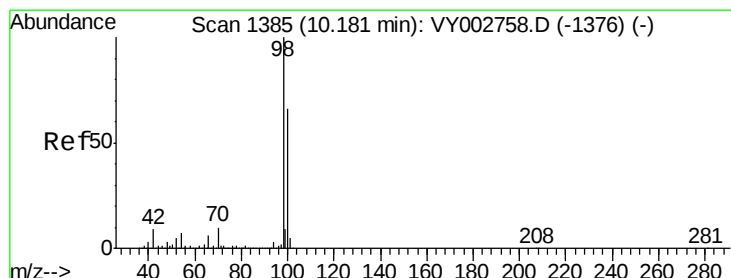
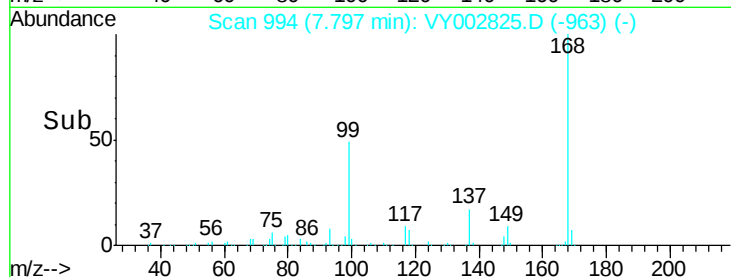
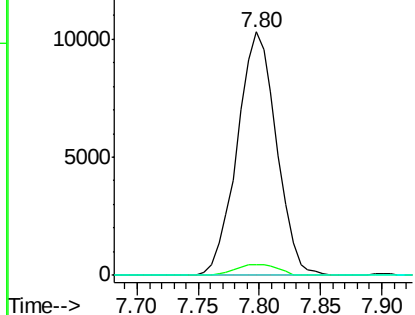
#38
Carbon Tetrachloride
Concen: 5.96 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY002825.D
Acq: 03 Jun 2020 12:05

Instrument :
MSVOA_Y
ClientSampled :
PL-02-052920

Tgt Ion:117 Resp: 22902
Ion Ratio Lower Upper
117 100
119 4.5 76.8 115.2#
121 0.0 24.8 37.2#

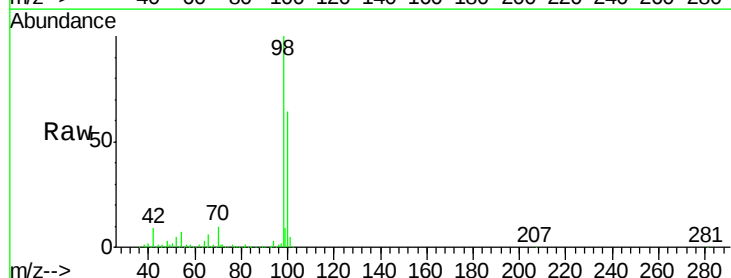


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

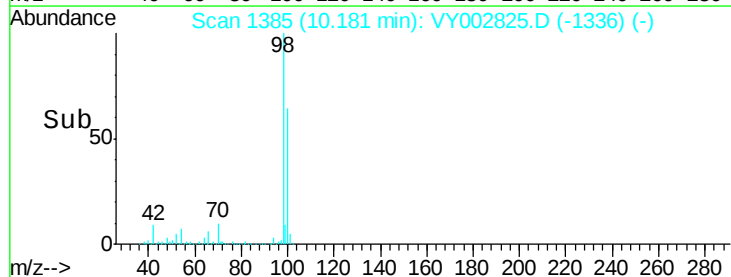
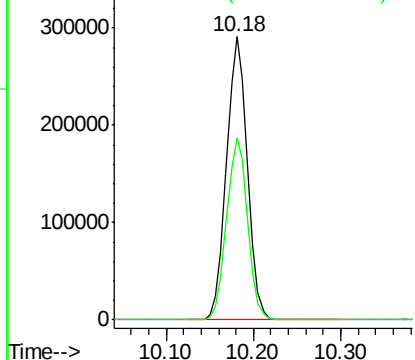


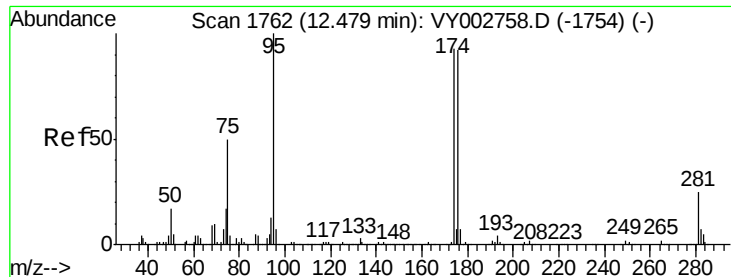
#50
Toluene-d8
Concen: 49.34 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002825.D
Acq: 03 Jun 2020 12:05

Tgt Ion: 98 Resp: 479698
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2



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

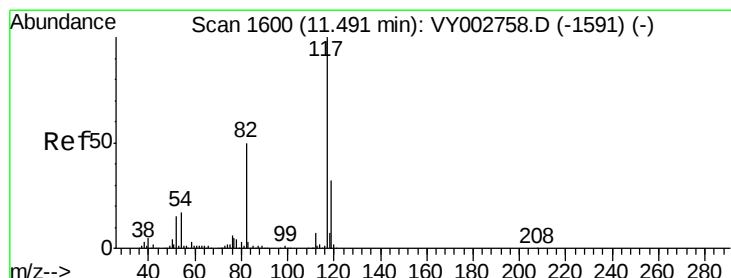
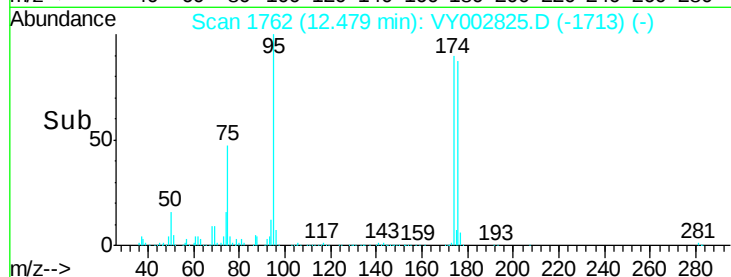
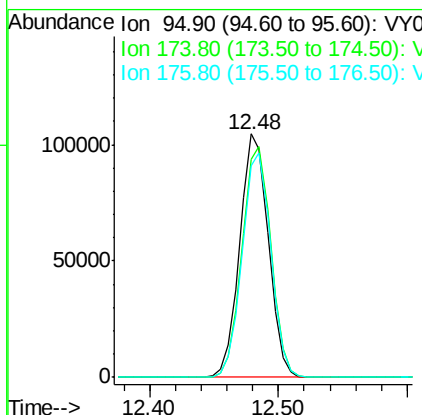
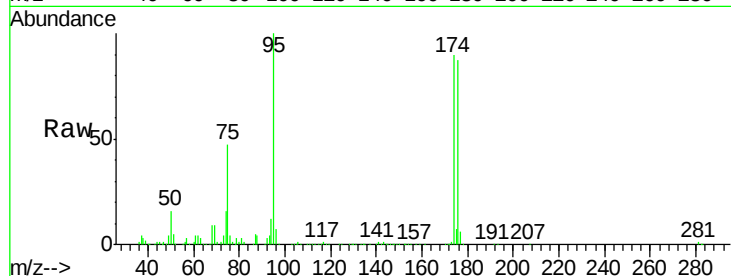




#62
4-Bromofluorobenzene
Concen: 48.15 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY002825.D
Acq: 03 Jun 2020 12:05

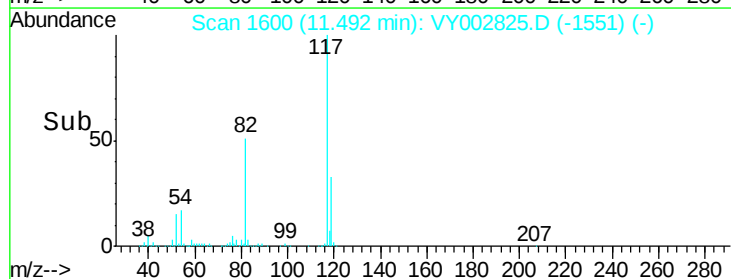
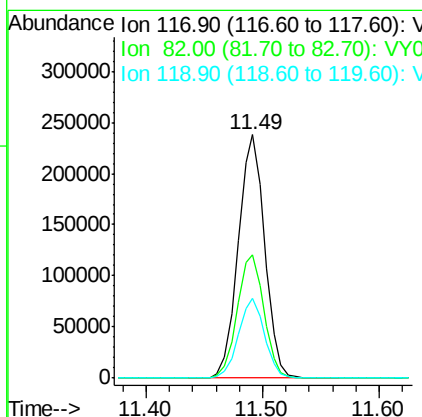
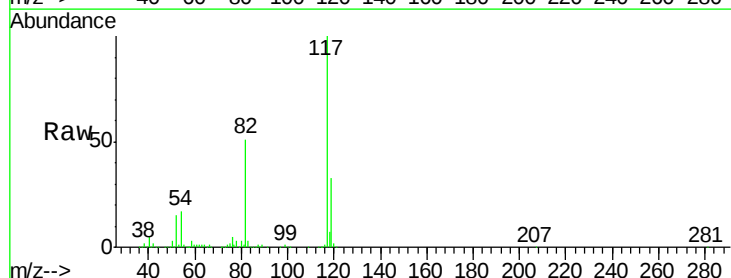
Instrument :
MSVOA_Y
ClientSampled :
PL-02-052920

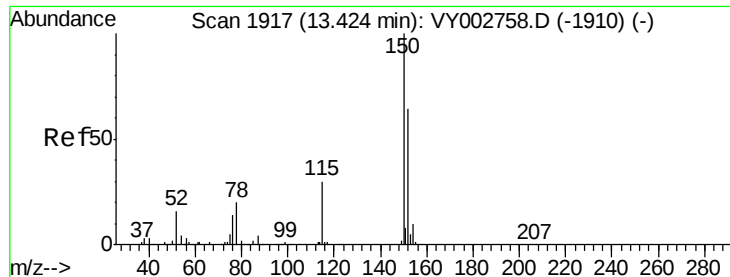
Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.7	0.0	191.2
176	92.4	0.0	188.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002825.D
Acq: 03 Jun 2020 12:05

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.7	40.2	60.4
119	32.7	25.8	38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY002825.D

Acq: 03 Jun 2020 12:05

Instrument :

MSVOA_Y

ClientSampleId :

PL-02-052920

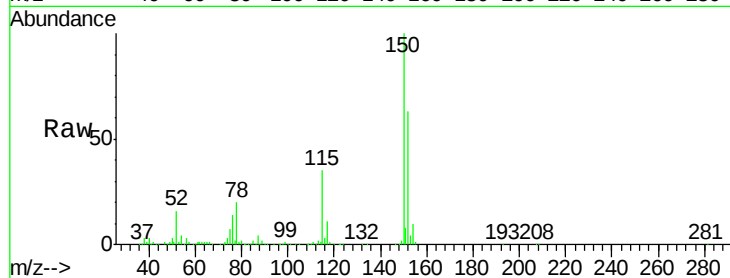
Tgt Ion:152 Resp: 190024

Ion Ratio Lower Upper

152 100

115 54.3 27.0 81.0

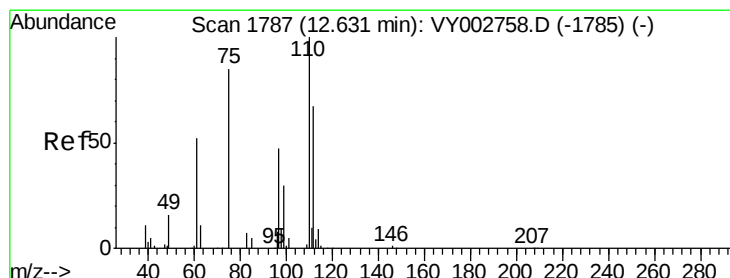
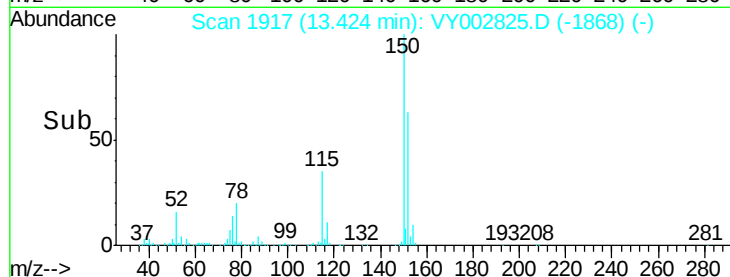
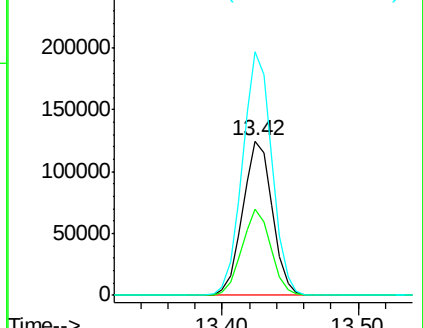
150 156.3 0.0 344.8



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: 44.23 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002825.D

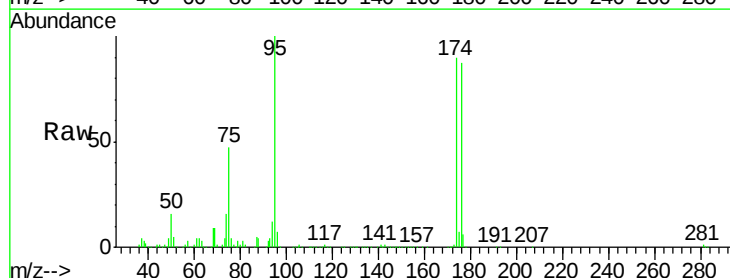
Acq: 03 Jun 2020 12:05

Tgt Ion: 75 Resp: 75730

Ion Ratio Lower Upper

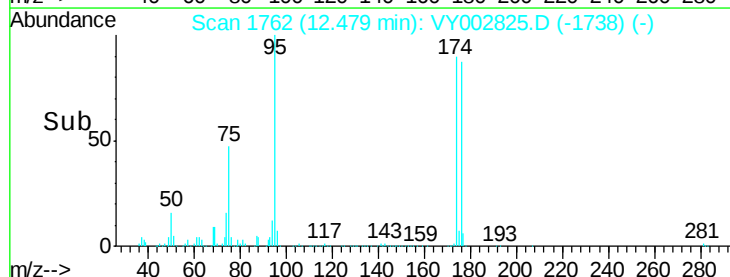
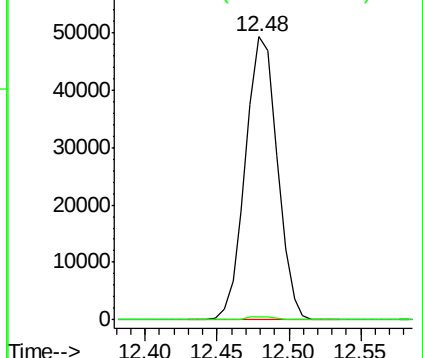
75 100

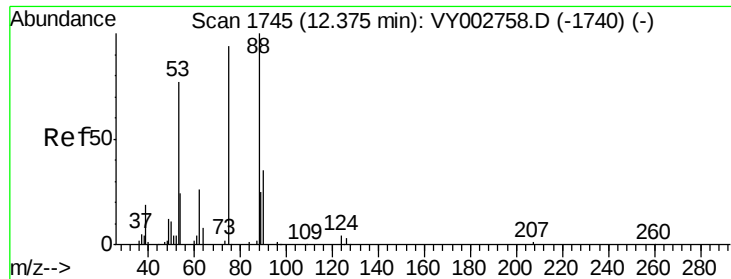
77 1.2 0.0 0.0#



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: 83.33 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002825.D

Acq: 03 Jun 2020 12:05

Instrument :

MSVOA_Y

ClientSampleId :

PL-02-052920

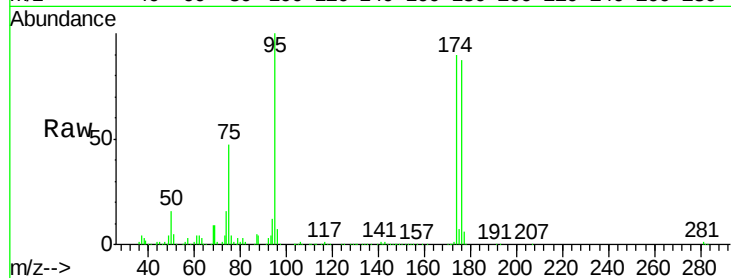
Tgt Ion: 75 Resp: 75730

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

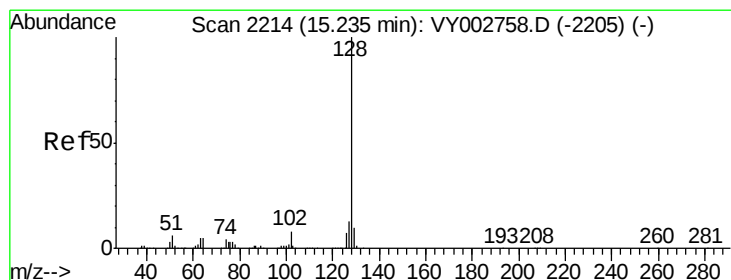
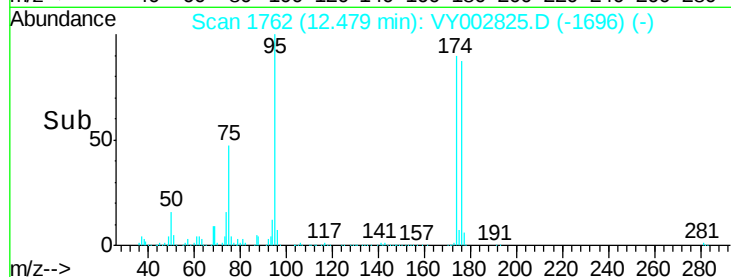
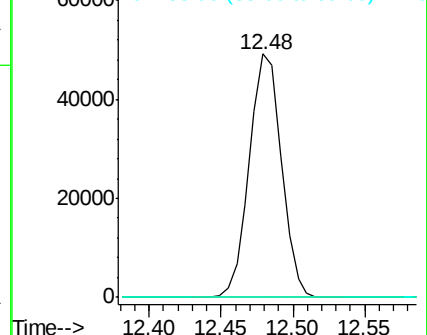
89 0.0 37.4 56.2#



Abundance Ion 74.90 (74.60 to 75.60): VY002825.D (-1696) (-)

Ion 53.00 (52.70 to 53.70): VY002825.D (-1696) (-)

Ion 88.90 (88.60 to 89.60): VY002825.D (-1696) (-)



#95

Naphthalene

Concen: 6.10 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. 0.01 min

Lab File: VY002825.D

Acq: 03 Jun 2020 12:05

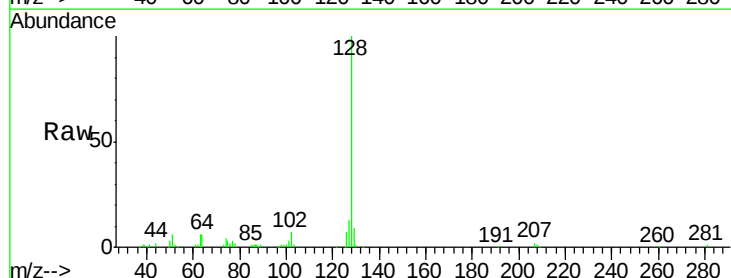
Tgt Ion: 128 Resp: 50205

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): VY002825.D (-2165) (-)

Ion 127.00 (126.70 to 127.70): VY002825.D (-2165) (-)

Ion 129.00 (128.70 to 129.70): VY002825.D (-2165) (-)

