

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
 Data File : VY003250.D
 Acq On : 20 Jul 2020 22:20
 Operator : SY/MD
 Sample : L3308-24
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 24

Quant Time: Jul 21 03:21:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

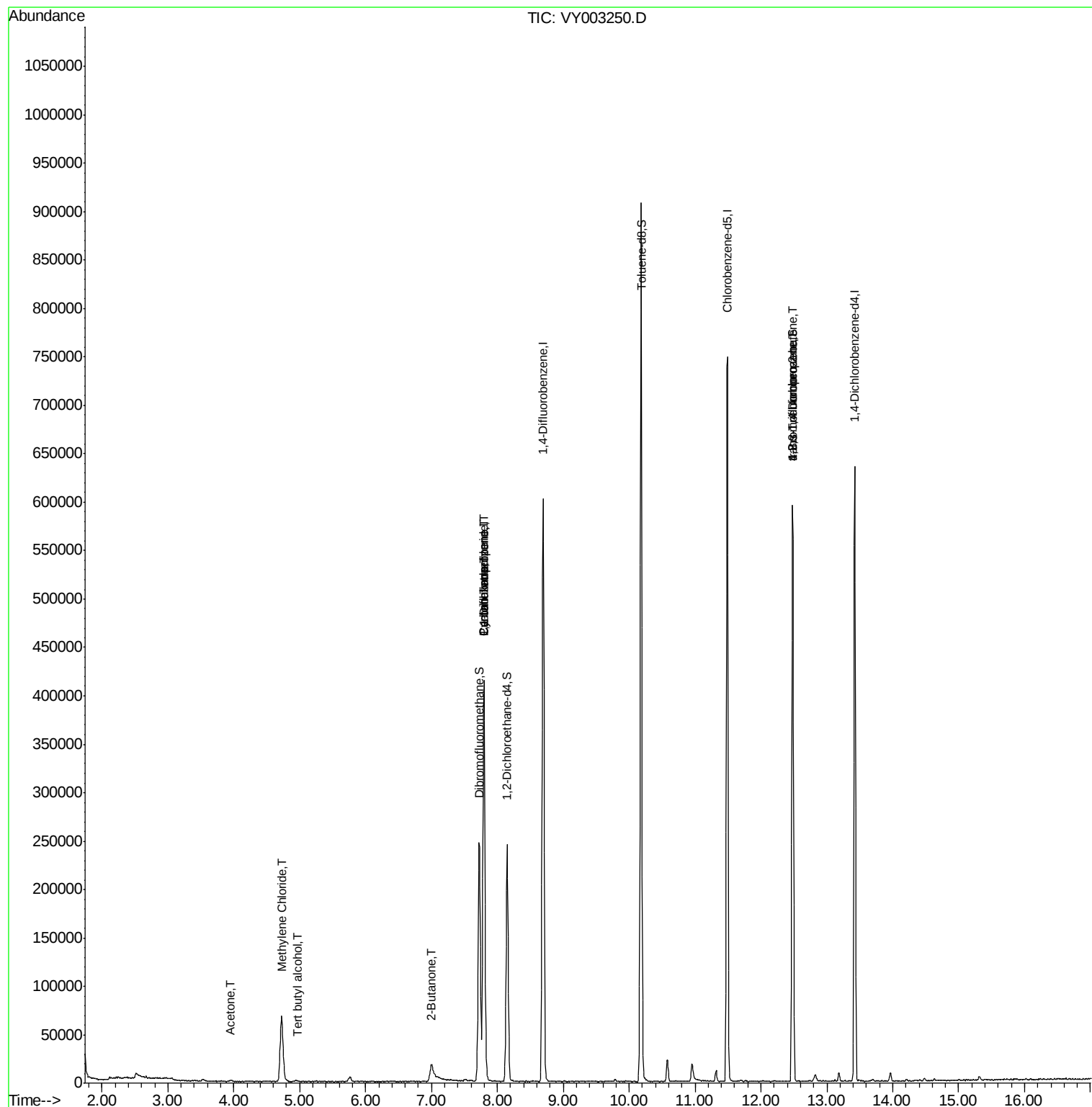
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	333649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	506304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	410574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	162424	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	190944	67.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	135.60%	
35) Dibromofluoromethane	7.73	113	173072	59.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.80%	
50) Toluene-d8	10.18	98	584692	53.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.96%	
62) 4-Bromofluorobenzene	12.48	95	162958	41.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.28%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.96	59	796	2.614	ug/l #	72
16) Acetone	3.94	43	2204	3.504	ug/l	98
20) Methylene Chloride	4.72	84	50240	11.660	ug/l	95
25) 2-Butanone	7.00	43	1519	1.471	ug/l #	49
31) Cyclohexane	7.80	56	6522	1.273	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	25052	5.459	ug/l #	49
38) Carbon Tetrachloride	7.79	117	30683	6.477	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	86484	60.153	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	86484	117.069	ug/l #	13

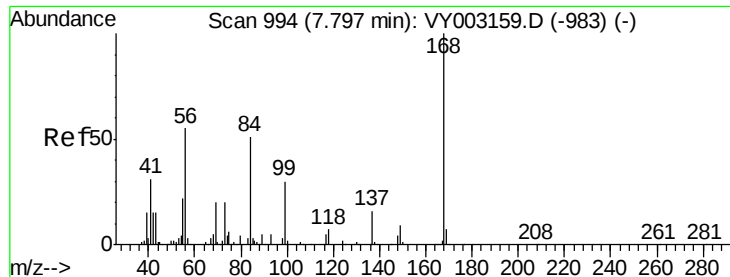
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 10 13:18:03 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: VY003250.D

Acq: 20 Jul 2020 22:20

Instrument :

MSVOA_Y

ClientSampleId :

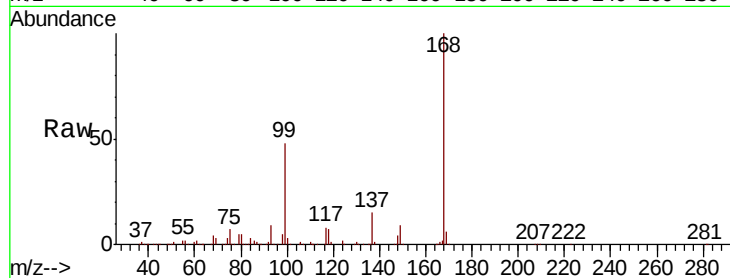
24

Tot Ion:168 Resp: 333649

Ion Ratio Lower Upper

168 100

99 47.6 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003250.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003250.D (-945) (-)

7.80

150000

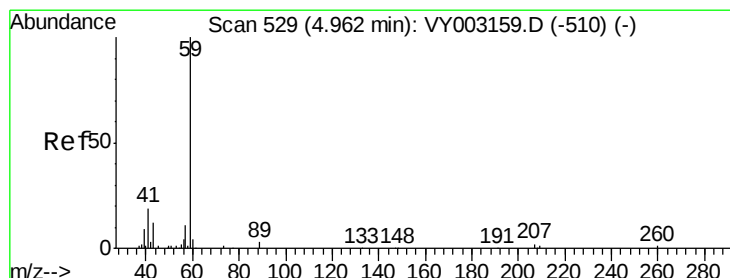
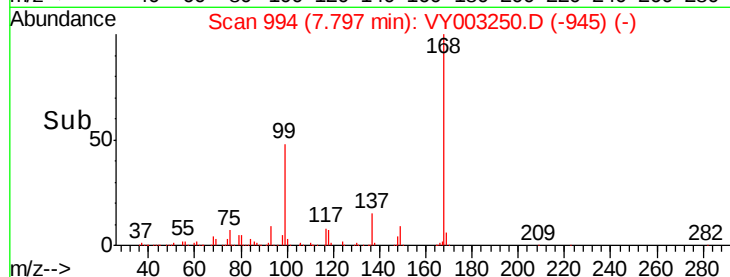
100000

50000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: 2.614 ug/l

RT: 4.96 min Scan# 529

Delta R.T. 0.00 min

Lab File: VY003250.D

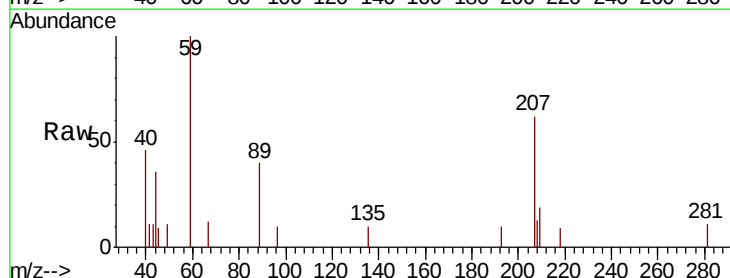
Acq: 20 Jul 2020 22:20

Tgt Ion: 59 Resp: 796

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY003250.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003250.D (-480) (-)

4.96

600

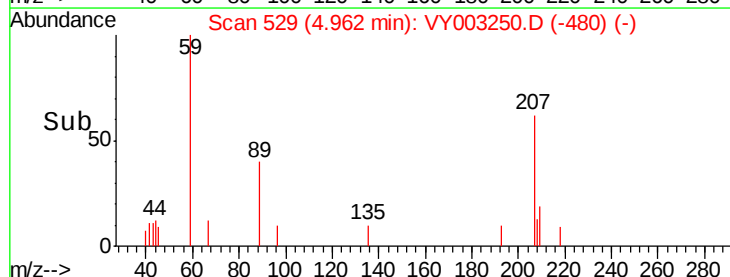
400

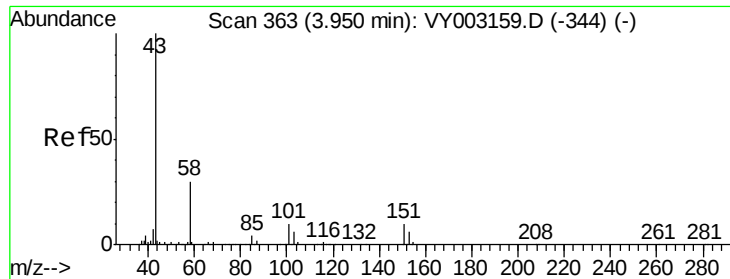
200

0

4.95 5.00

Time-->





#16

Acetone

Concen: 3.504 ug/l

RT: 3.94 min Scan# 362

Delta R.T. -0.01 min

Lab File: VY003250.D

Acq: 20 Jul 2020 22:20

Instrument :

MSVOA_Y

ClientSampleId :

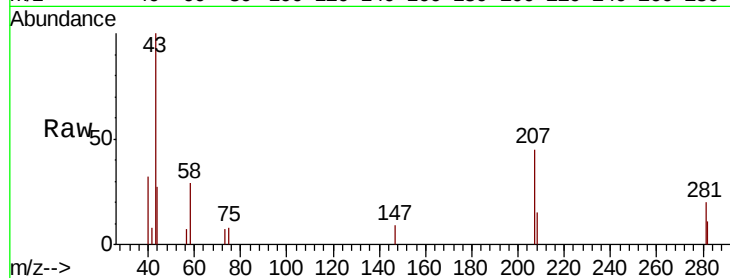
24

Tot Ion: 43 Resp: 2204

Ion Ratio Lower Upper

43 100

58 28.8 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.94

800

600

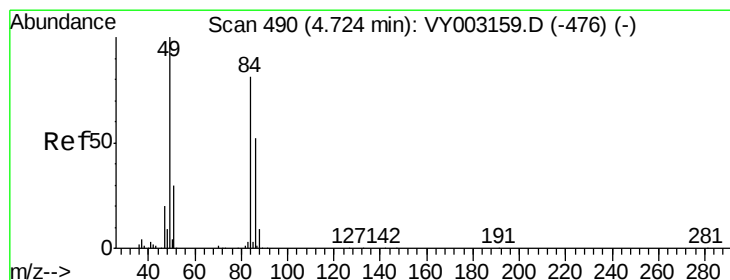
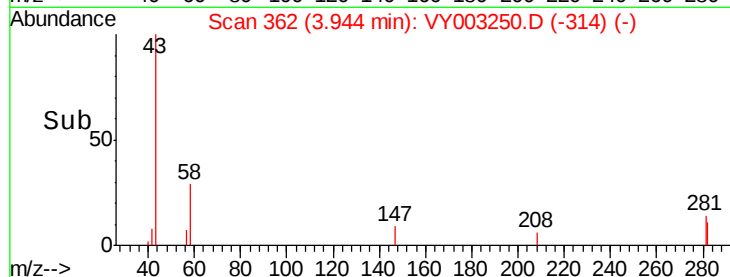
400

200

0

Time-->

3.85 3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 11.660 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003250.D

Acq: 20 Jul 2020 22:20

Tgt Ion: 84 Resp: 50240

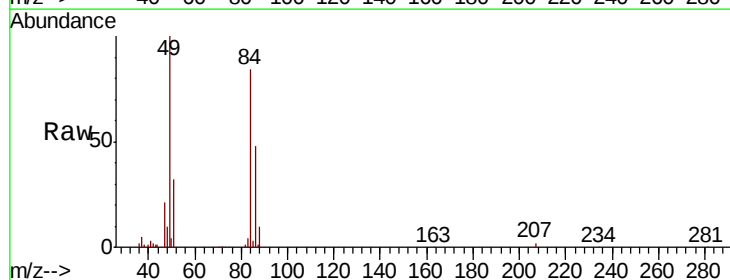
Ion Ratio Lower Upper

84 100

49 118.8 98.2 147.4

51 38.1 29.8 44.6

86 56.6 51.2 76.8



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

30000

25000

20000

15000

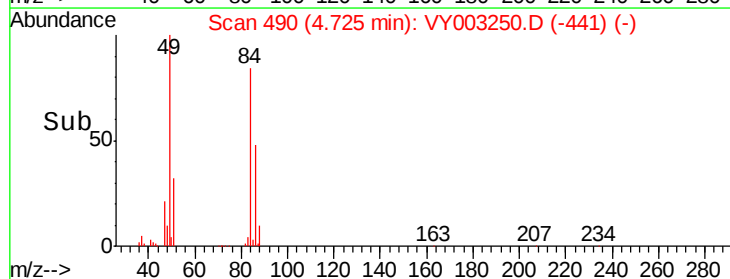
10000

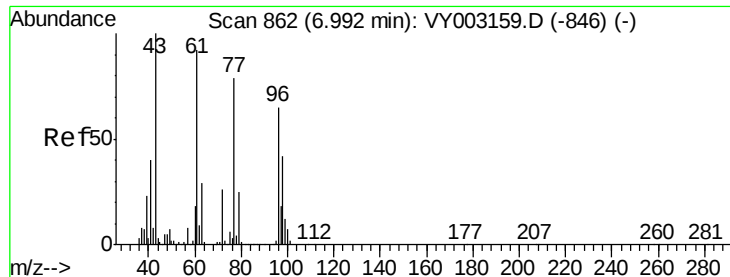
5000

0

Time-->

4.60 4.70 4.80 4.90

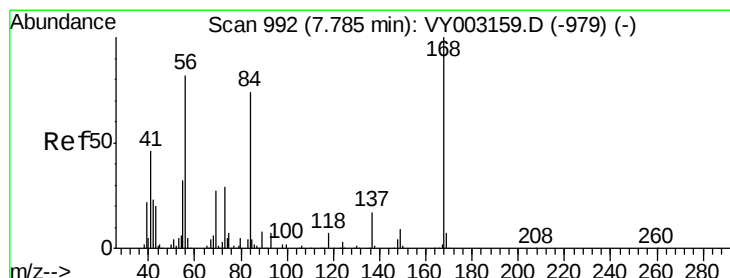
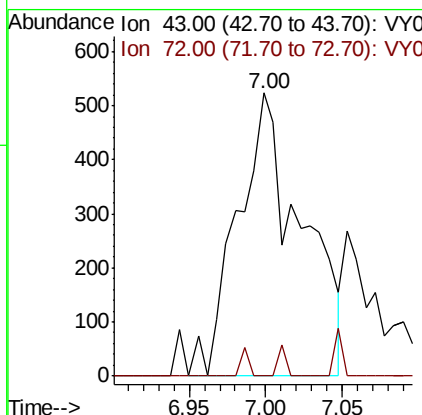
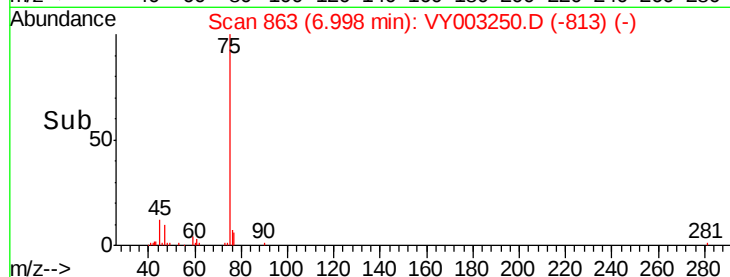
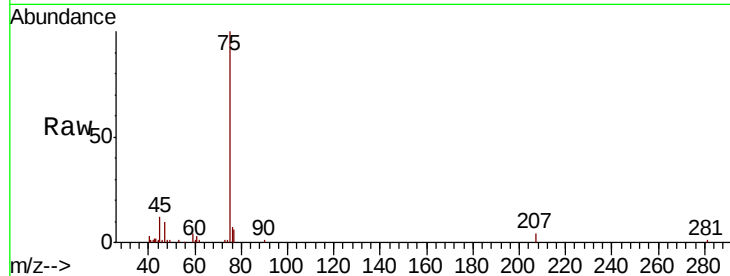




#25
2-Butanone
Concen: 1.471 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003250.D
Acq: 20 Jul 2020 22:20

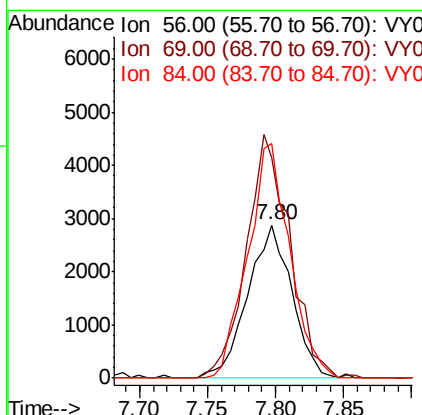
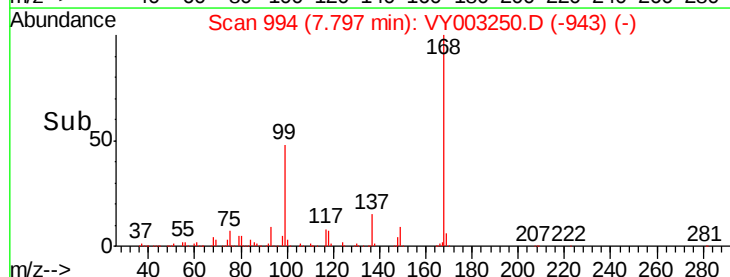
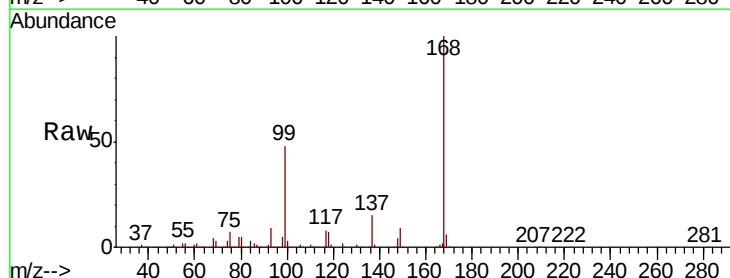
Instrument :
MSVOA_Y
ClientSampleId :
24

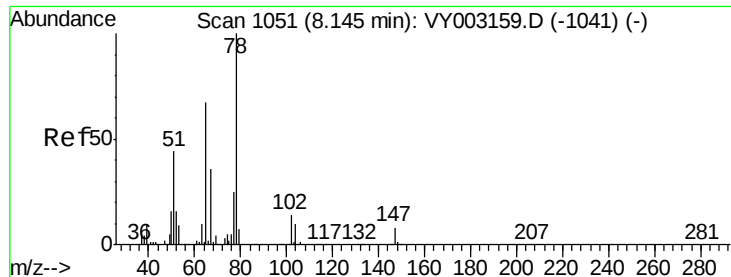
Tot Ion: 43 Resp: 1519
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#



#31
Cyclohexane
Concen: 1.273 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003250.D
Acq: 20 Jul 2020 22:20

Tgt Ion: 56 Resp: 6522
Ion Ratio Lower Upper
56 100
69 144.6 26.7 40.1#
84 153.2 72.3 108.5#

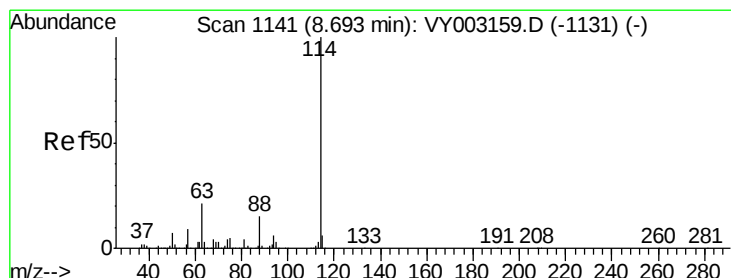
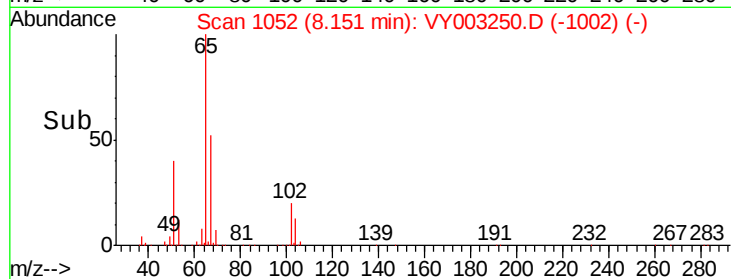
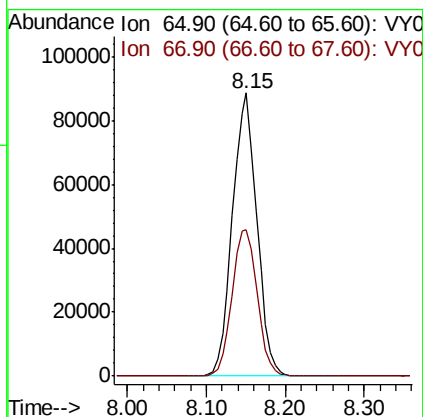
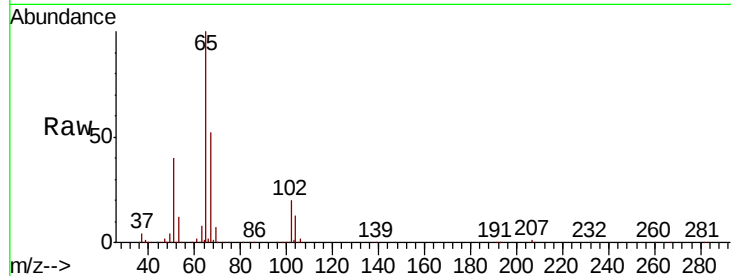




#33
 1,2-Dichloroethane-d4
 Concen: 67.804 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003250.D
 Acq: 20 Jul 2020 22:20

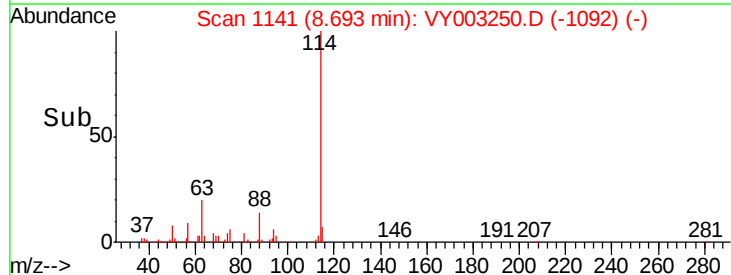
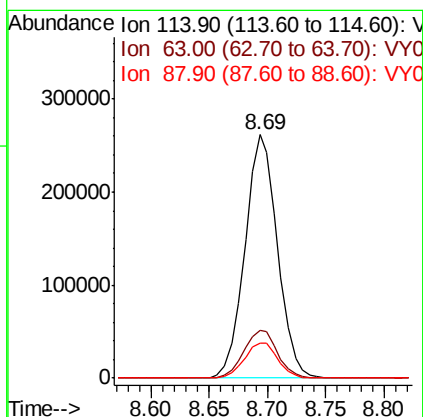
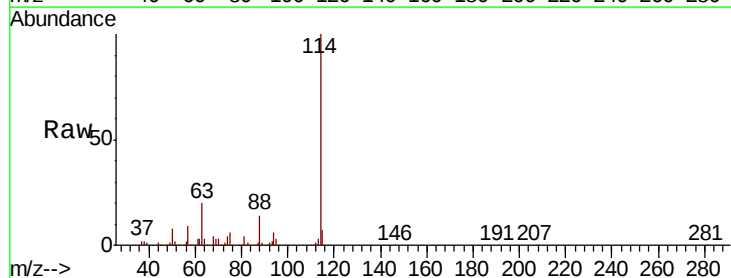
Instrument :
 MSVOA_Y
 ClientSampleId :
 24

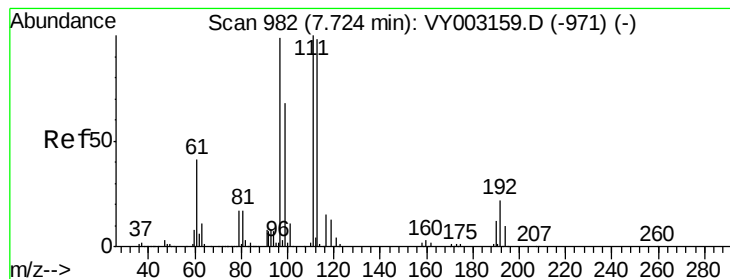
Tot Ion: 65 Resp: 190944
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003250.D
 Acq: 20 Jul 2020 22:20

Tgt Ion: 114 Resp: 506304
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 41.2
 88 14.4 0.0 30.2





#35

Dibromofluoromethane

Concen: 59.400 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY003250.D

Acq: 20 Jul 2020 22:20

Instrument :

MSVOA_Y

ClientSampleId :

24

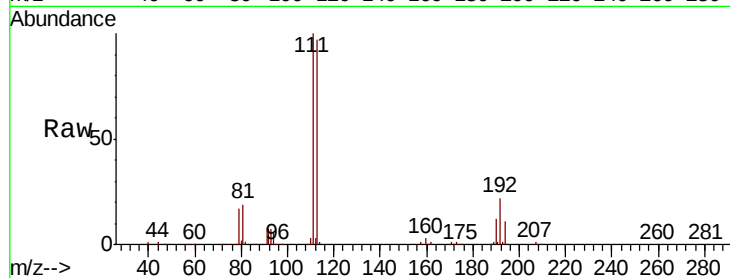
Tot Ion:113 Resp: 173072

Ion Ratio Lower Upper

113 100

111 102.5 82.1 123.1

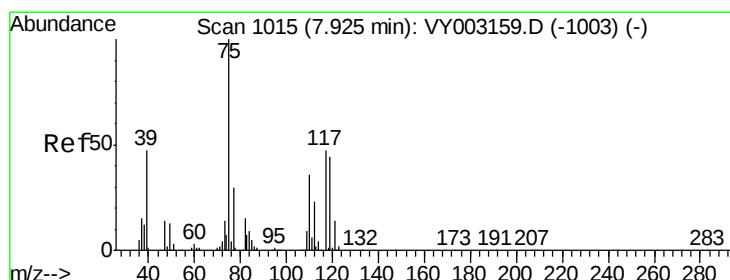
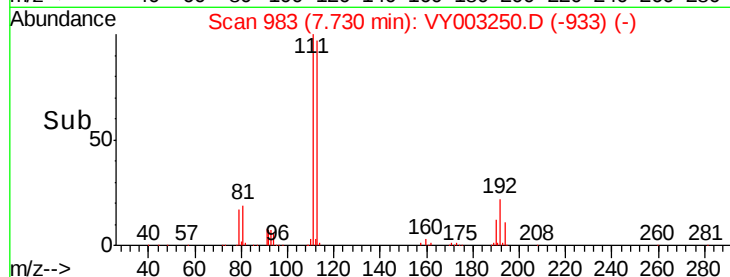
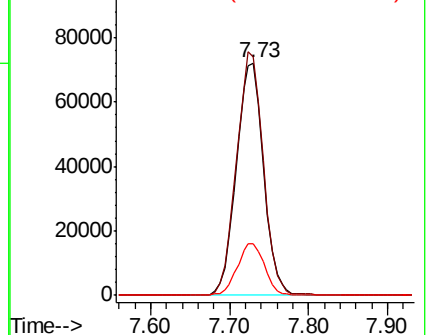
192 22.6 18.8 28.2



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: 5.459 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003250.D

Acq: 20 Jul 2020 22:20

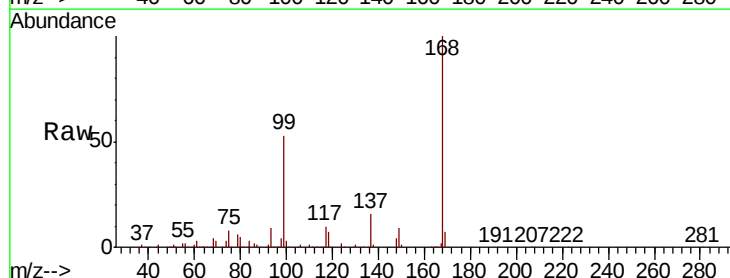
Tgt Ion: 75 Resp: 25052

Ion Ratio Lower Upper

75 100

110 8.4 18.1 54.1#

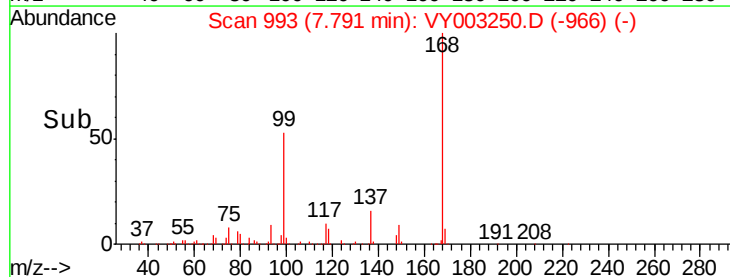
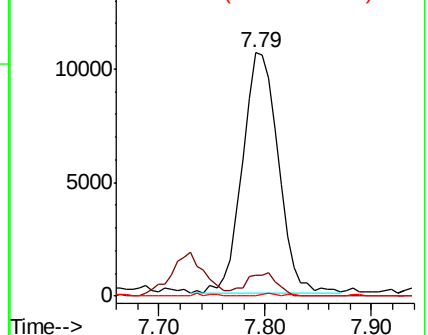
77 0.4 24.8 37.2#

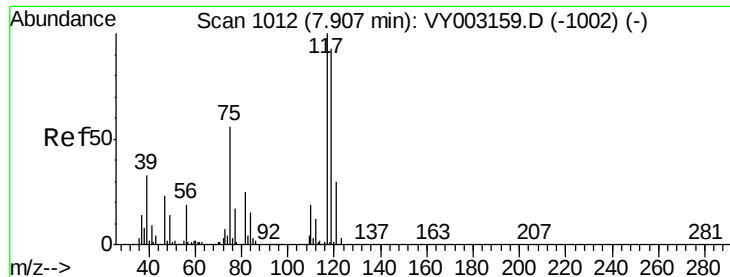


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.477 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003250.D

Acq: 20 Jul 2020 22:20

Instrument :

MSVOA_Y

ClientSampleId :

24

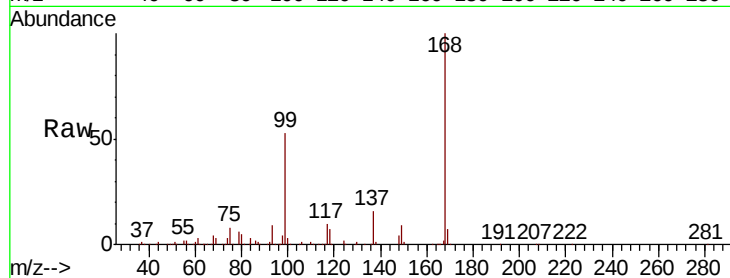
Tot Ion:117 Resp: 30683

Ion Ratio Lower Upper

117 100

119 4.9 74.5 111.7#

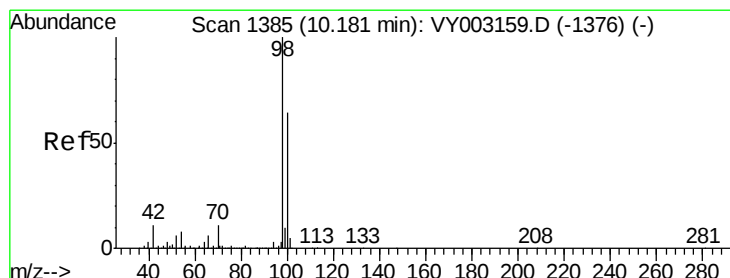
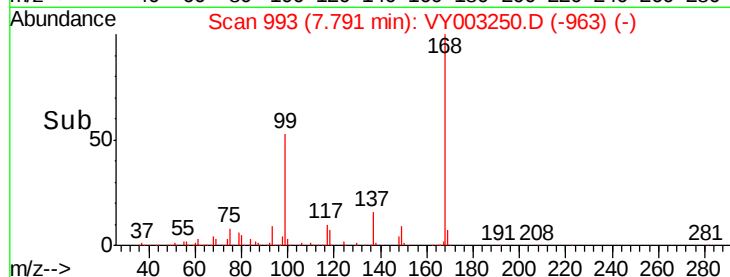
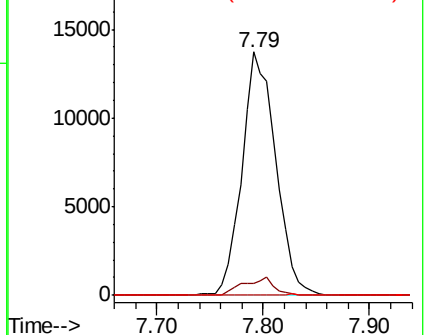
121 0.0 24.2 36.2#



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: 53.976 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003250.D

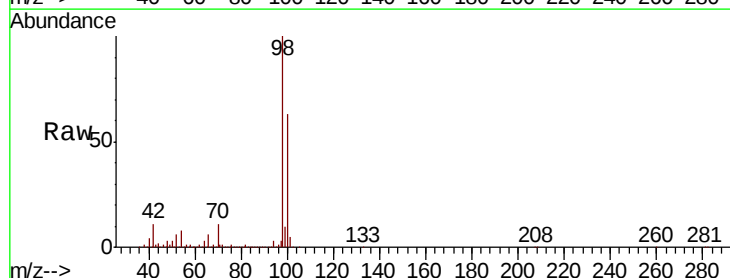
Acq: 20 Jul 2020 22:20

Tgt Ion: 98 Resp: 584692

Ion Ratio Lower Upper

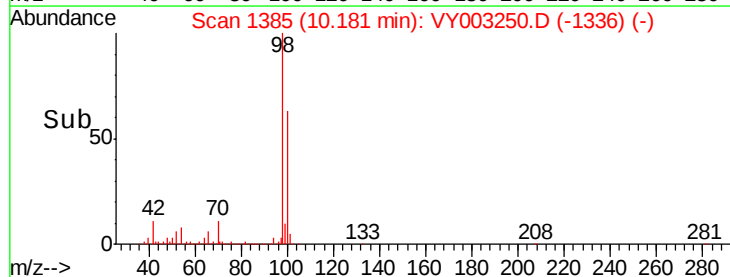
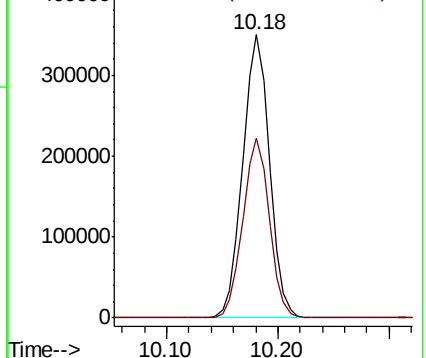
98 100

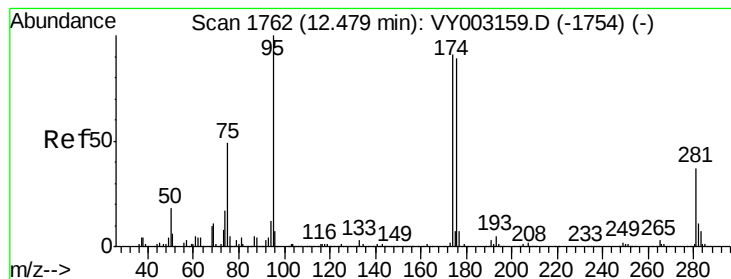
100 63.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 41.642 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003250.D

Acq: 20 Jul 2020 22:20

Instrument :

MSVOA_Y

ClientSampled :

24

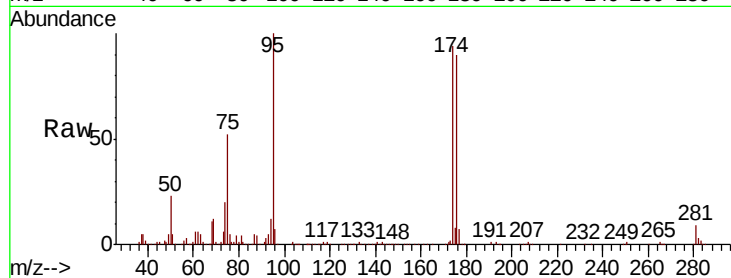
Tot Ion: 95 Resp: 162958

Ion Ratio Lower Upper

95 100

174 95.3 0.0 190.6

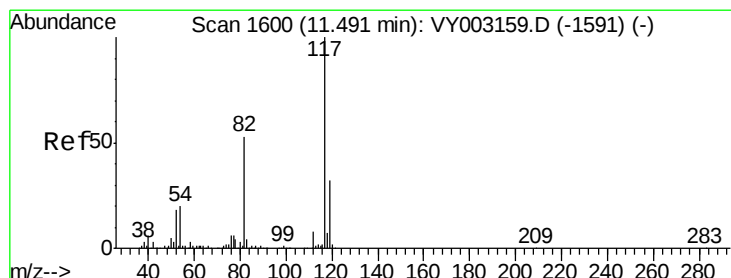
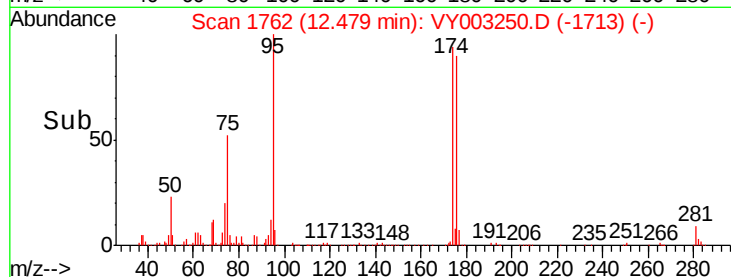
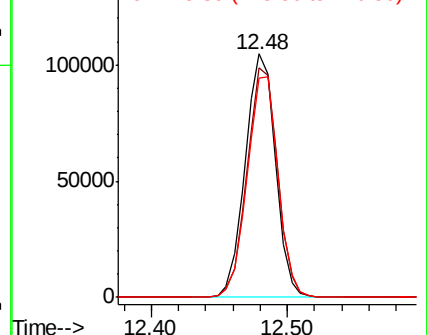
176 92.9 0.0 186.4



Abundance Ion 94.90 (94.60 to 95.60): VY003250.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY003250.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY003250.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY003250.D

Acq: 20 Jul 2020 22:20

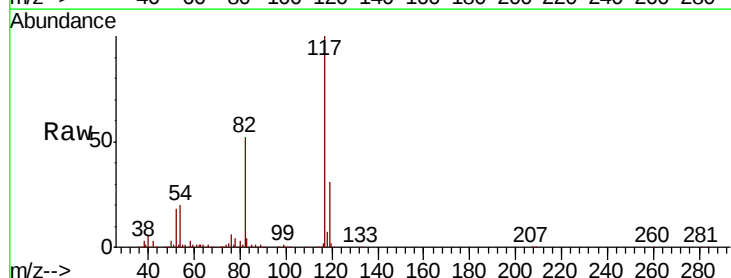
Tgt Ion: 117 Resp: 410574

Ion Ratio Lower Upper

117 100

82 52.3 42.0 63.0

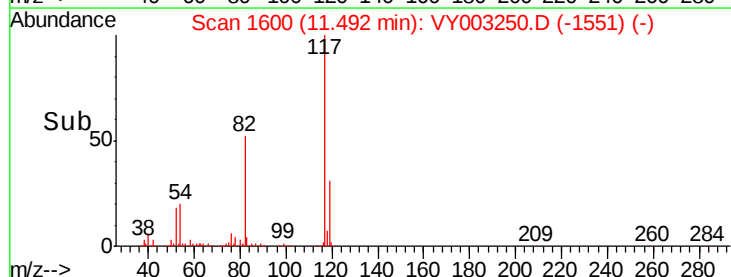
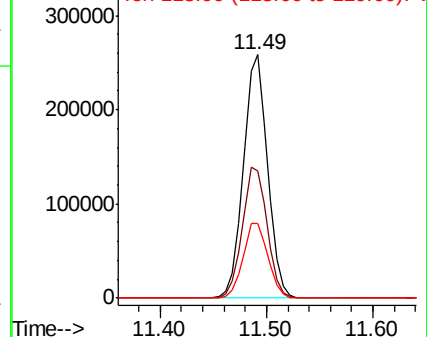
119 30.6 25.5 38.3

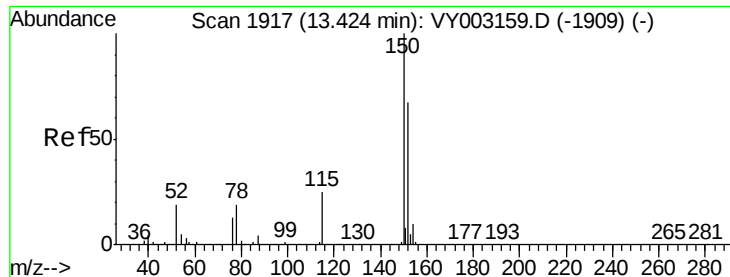


Abundance Ion 116.90 (116.60 to 117.60): VY003250.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY003250.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003250.D (-1551) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY003250.D

Acq: 20 Jul 2020 22:20

Instrument :

MSVOA_Y

ClientSampleId :

24

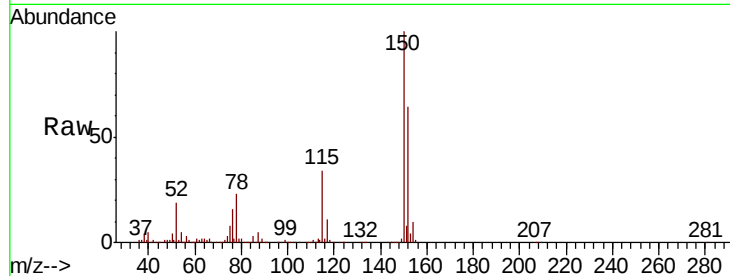
Tot Ion:152 Resp: 162424

Ion Ratio Lower Upper

152 100

115 54.3 26.9 80.7

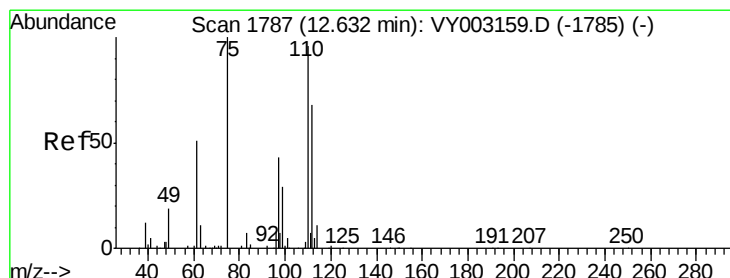
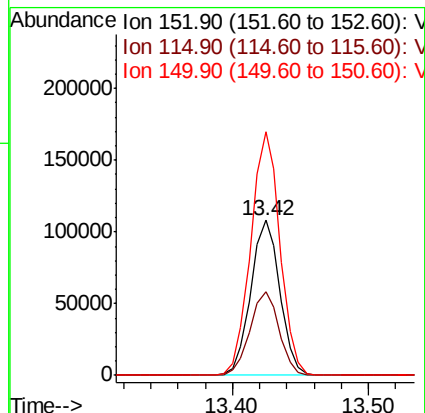
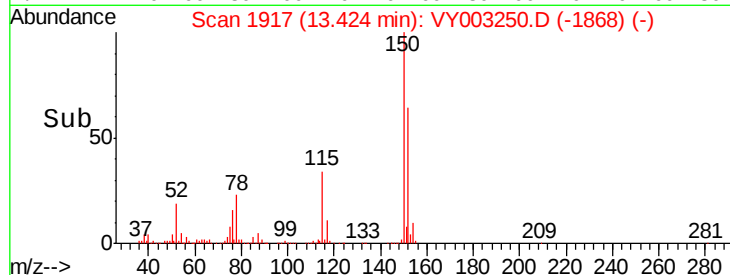
150 157.3 0.0 338.0



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: 60.153 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003250.D

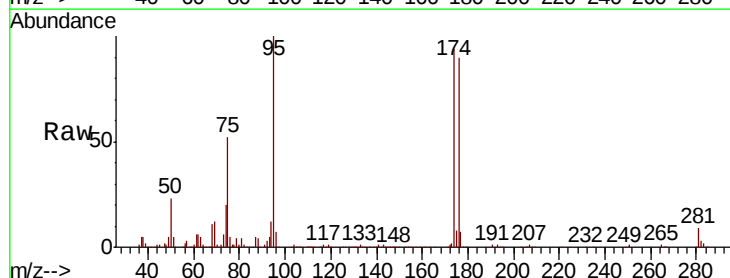
Acq: 20 Jul 2020 22:20

Tgt Ion: 75 Resp: 86484

Ion Ratio Lower Upper

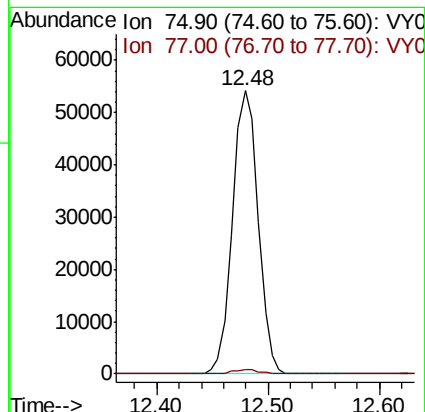
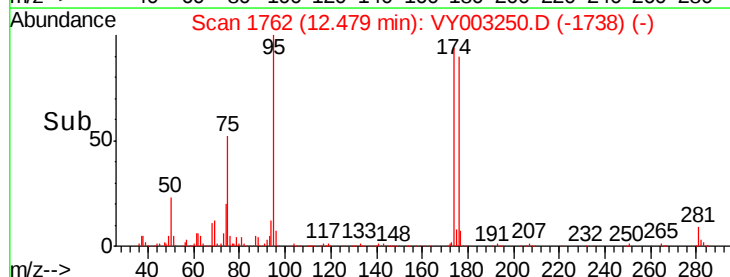
75 100

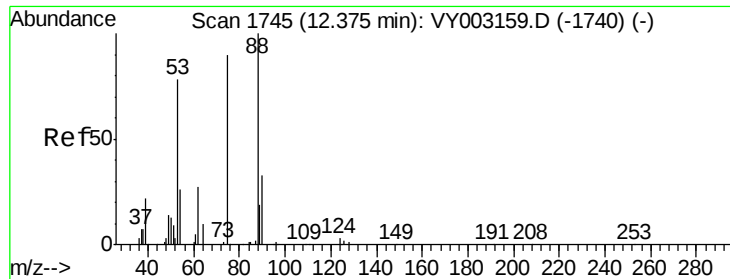
77 1.6 0.0 0.0#



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: 117.069 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003250.D

Acq: 20 Jul 2020 22:20

Instrument :

MSVOA_Y

ClientSampleId :

24

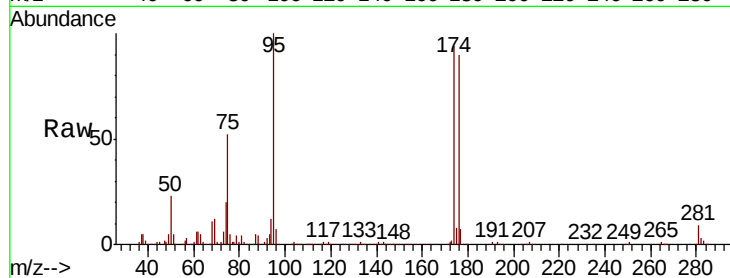
Tot Ion: 75 Resp: 86484

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.1 37.3 55.9#



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

