

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY051220\
 Data File : VY002664.D
 Acq On : 12 May 2020 13:32
 Operator : SY/MD
 Sample : L2575-09
 Misc : 6.85G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-27

Quant Time: May 13 02:24:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	374311	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	586603	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	510841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	240110	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	159631	50.72	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.44%	
35) Dibromofluoromethane	7.73	113	172283	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
50) Toluene-d8	10.18	98	677455	51.71	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.48	95	214194	48.18	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.36%	

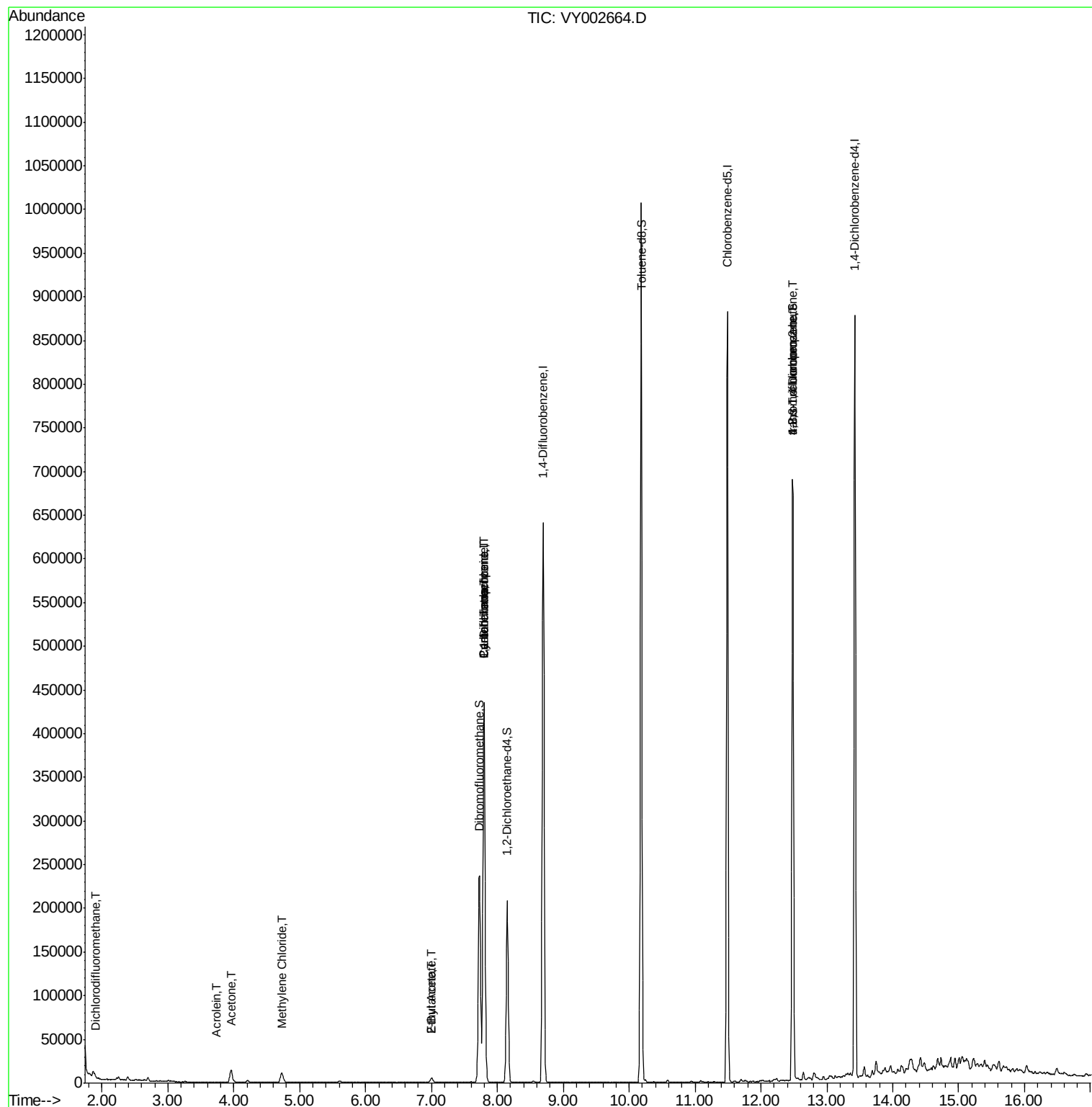
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	85	1.81	ug/l #	36
13) Acrolein	3.73	56	349	1.56	ug/l #	78
16) Acetone	3.96	43	24261	37.35	ug/l	99
20) Methylene Chloride	4.72	84	9074	2.50	ug/l #	87
25) 2-Butanone	7.00	43	8063	7.58	ug/l	97
31) Cyclohexane	7.80	56	5720	1.01	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	22780	4.63	ug/l #	50
37) Ethyl Acetate	7.00	43	8063	3.19	ug/l #	67
38) Carbon Tetrachloride	7.80	117	33543	6.25	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	101848	47.73	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	101848	95.71	ug/l #	15

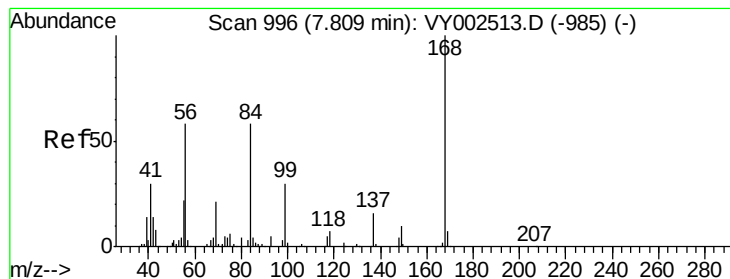
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY051220\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002664.D

Acq: 12 May 2020 13:32

Instrument :

MSVOA_Y

ClientSampled :

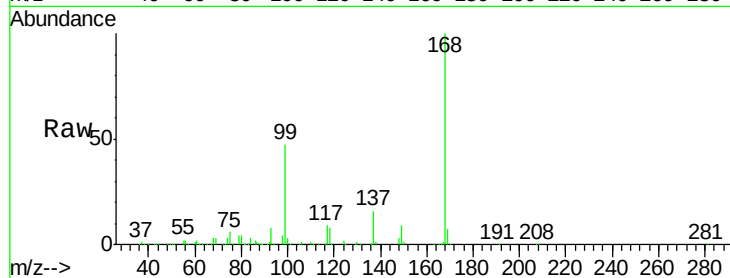
TP-27

Tgt Ion:168 Resp: 374311

Ion Ratio Lower Upper

168 100

99 47.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

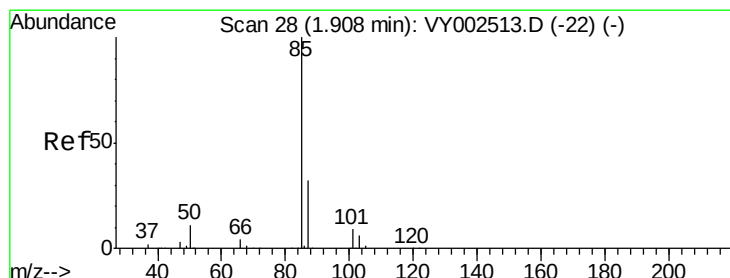
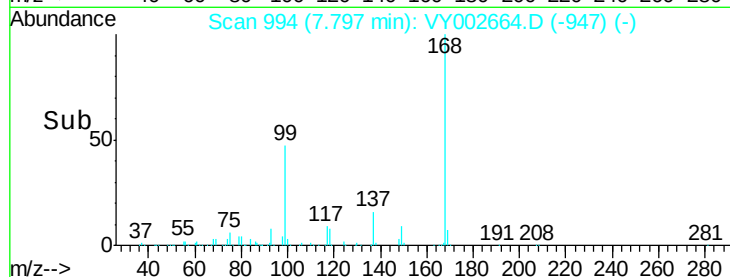
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.81 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002664.D

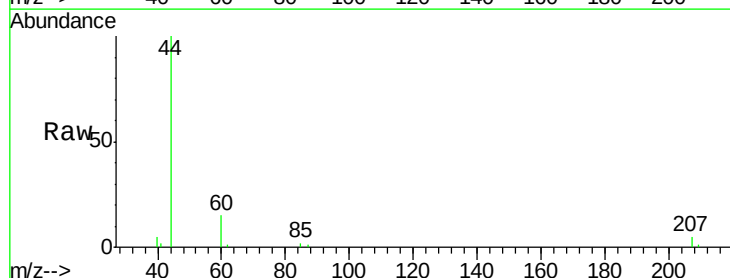
Acq: 12 May 2020 13:32

Tgt Ion: 85 Resp: 85

Ion Ratio Lower Upper

85 100

87 67.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.91

100

80

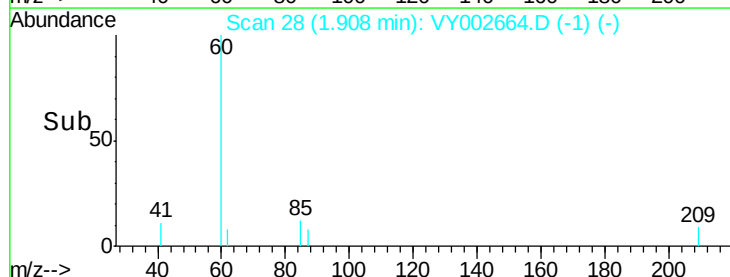
60

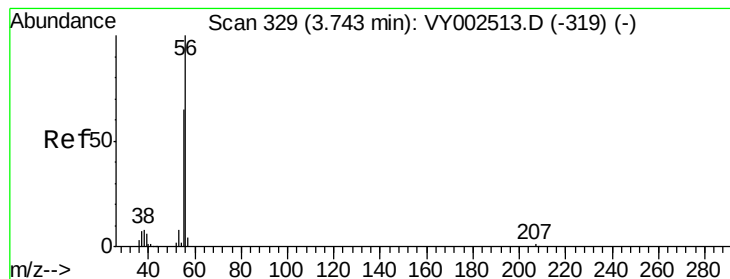
40

20

0

Time-->





#13

Acrolein

Concen: 1.56 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.01 min

Lab File: VY002664.D

Acq: 12 May 2020 13:32

Instrument :

MSVOA_Y

ClientSampled :

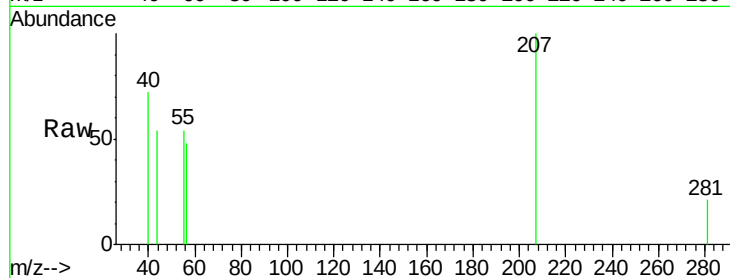
TP-27

Tgt Ion: 56 Resp: 349

Ion Ratio Lower Upper

56 100

55 49.9 53.8 80.6#

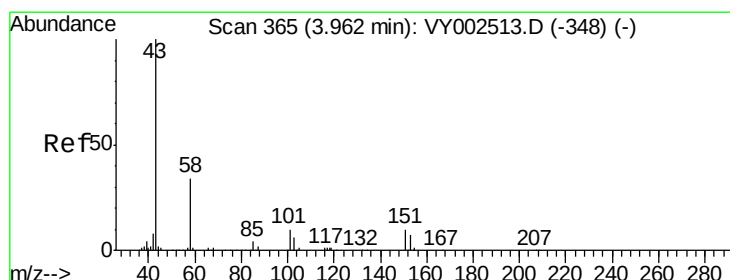
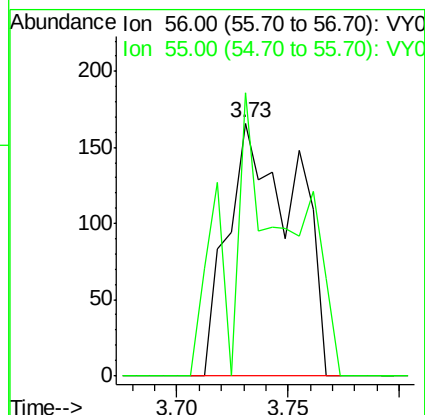
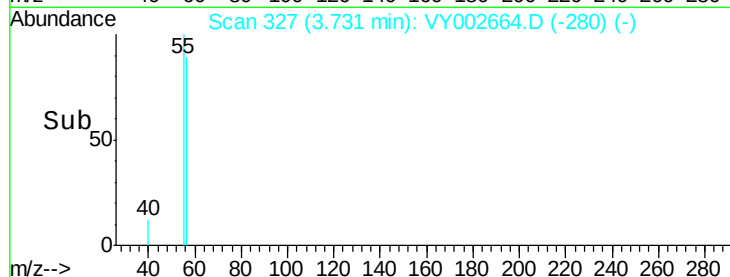


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.73

3.75



#16

Acetone

Concen: 37.35 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VY002664.D

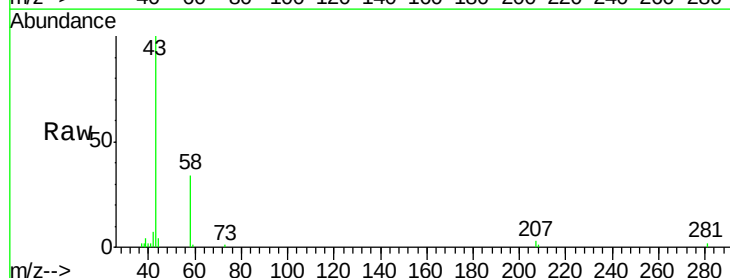
Acq: 12 May 2020 13:32

Tgt Ion: 43 Resp: 24261

Ion Ratio Lower Upper

43 100

58 34.5 26.9 40.3

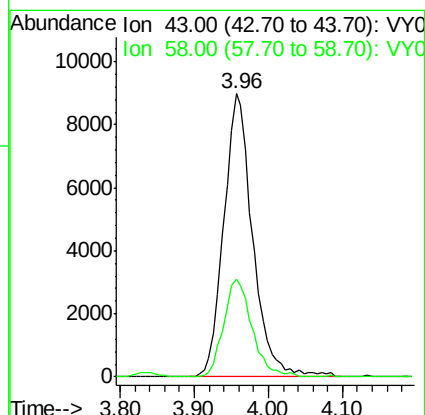
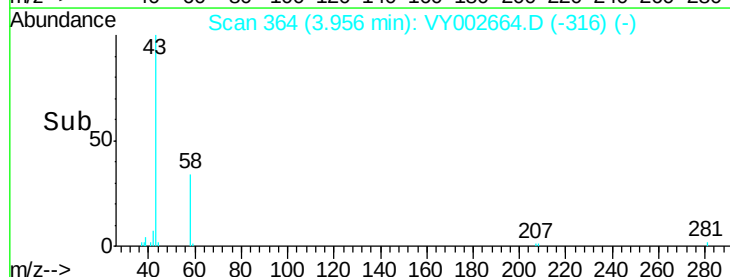


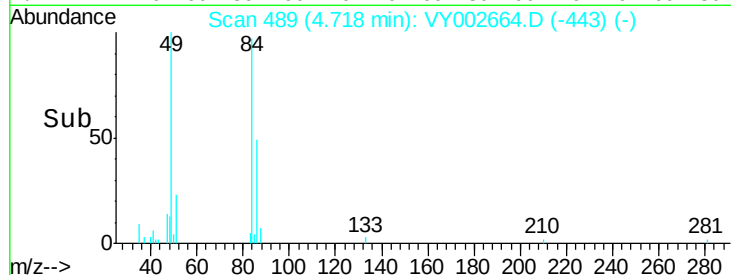
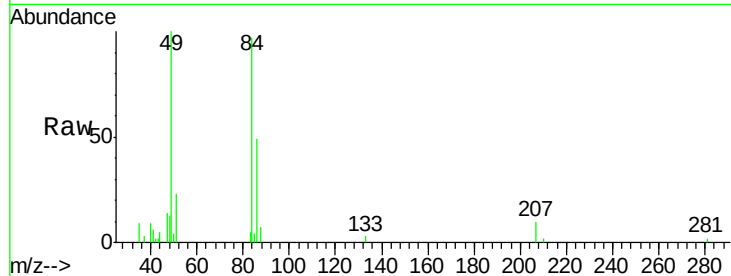
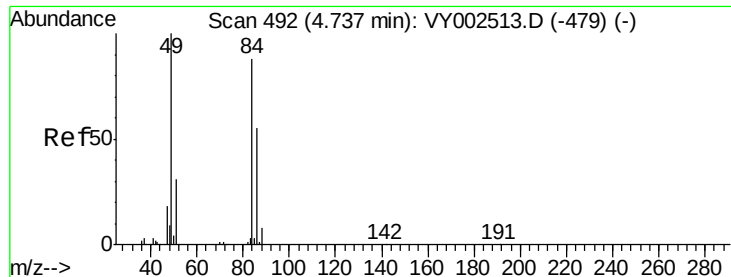
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

4.10

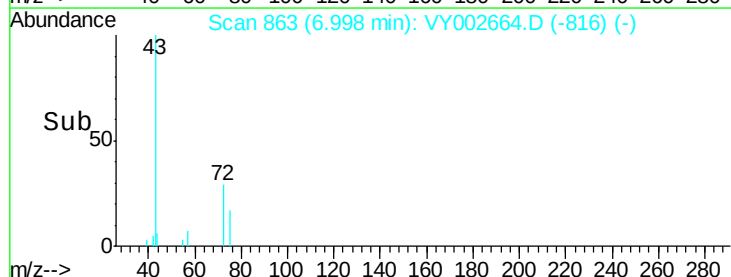
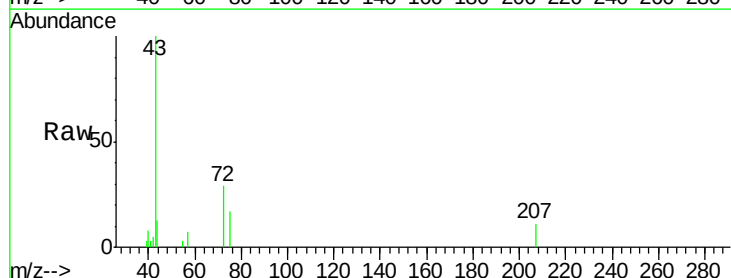
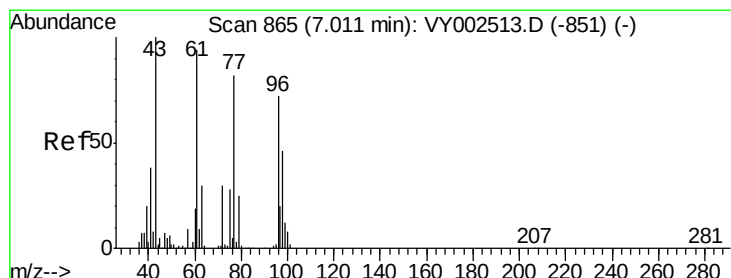
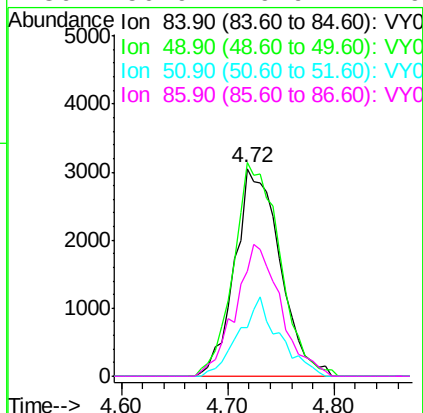




#20
Methylene Chloride
Concen: 2.50 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.02 min
Lab File: VY002664.D
Acq: 12 May 2020 13:32

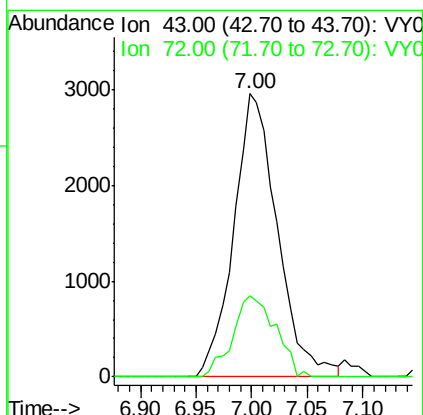
Instrument :
MSVOA_Y
ClientSampled :
TP-27

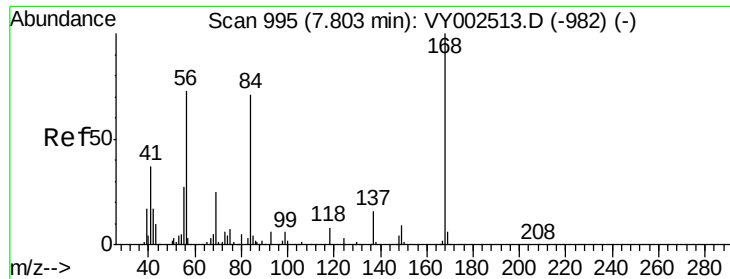
Tgt Ion: 84 Resp: 9074
Ion Ratio Lower Upper
84 100
49 103.0 90.5 135.7
51 23.7 28.3 42.5#
86 50.9 49.9 74.9



#25
2-Butanone
Concen: 7.58 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002664.D
Acq: 12 May 2020 13:32

Tgt Ion: 43 Resp: 8063
Ion Ratio Lower Upper
43 100
72 28.7 24.1 36.1





#31

Cyclohexane

Concen: 1.01 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002664.D

Acq: 12 May 2020 13:32

Instrument :

MSVOA_Y

ClientSampled :

TP-27

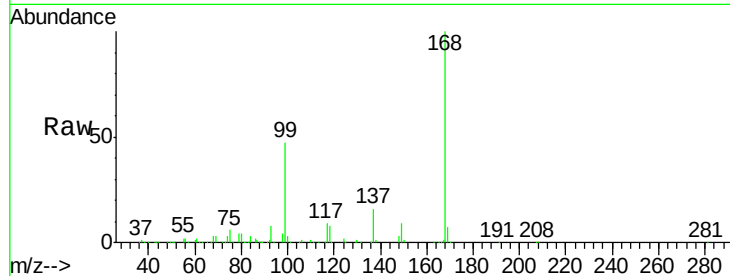
Tgt Ion: 56 Resp: 5720

Ion Ratio Lower Upper

56 100

69 179.4 27.6 41.4#

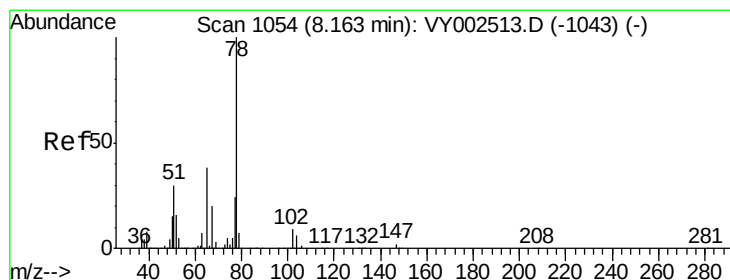
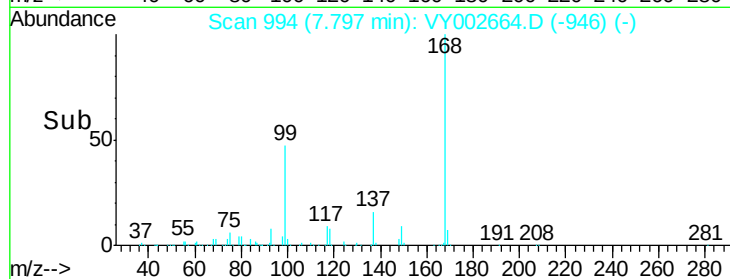
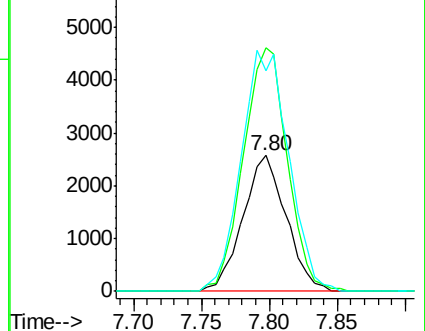
84 162.1 77.7 116.5#



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: 50.72 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002664.D

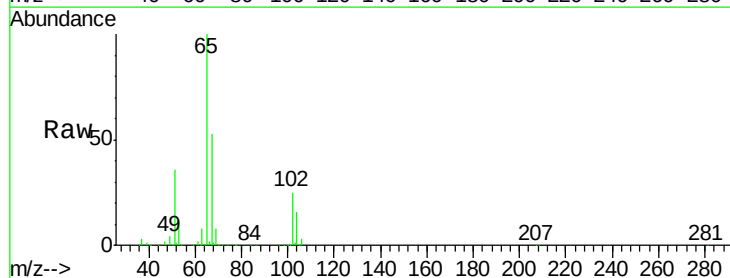
Acq: 12 May 2020 13:32

Tgt Ion: 65 Resp: 159631

Ion Ratio Lower Upper

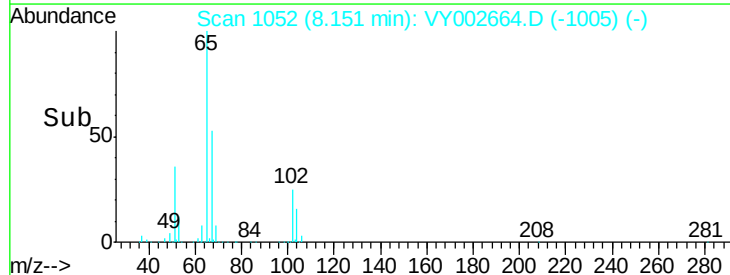
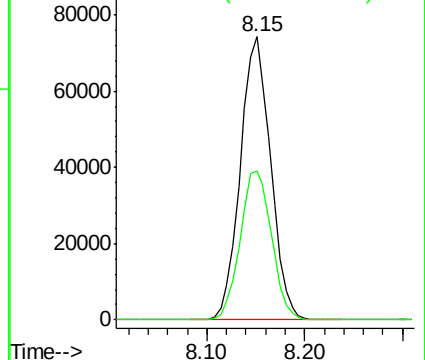
65 100

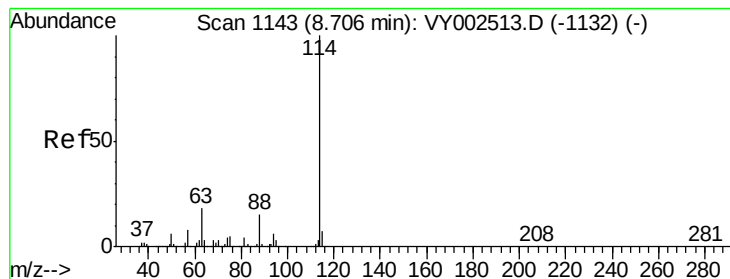
67 54.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY002664.D

Acq: 12 May 2020 13:32

Instrument :

MSVOA_Y

ClientSampleId :

TP-27

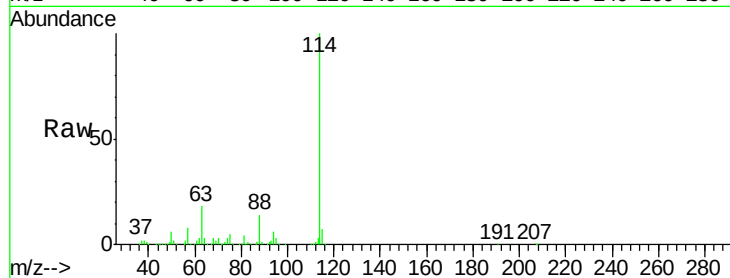
Tgt Ion:114 Resp: 586603

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.4

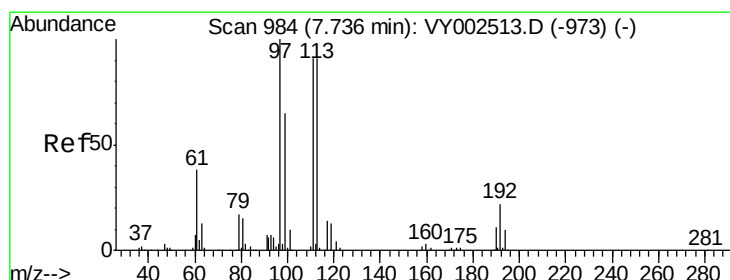
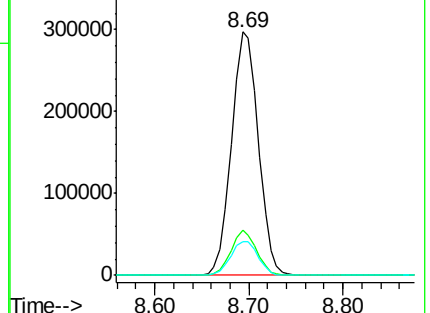
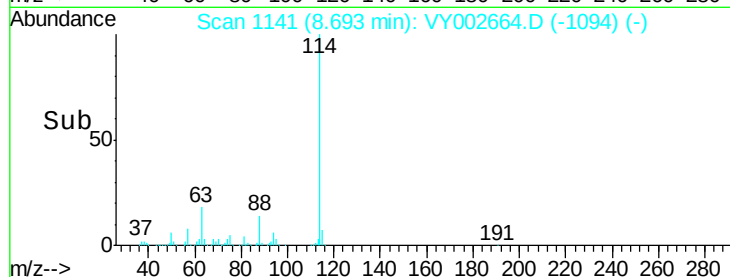
88 14.0 0.0 29.6



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: 51.35 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002664.D

Acq: 12 May 2020 13:32

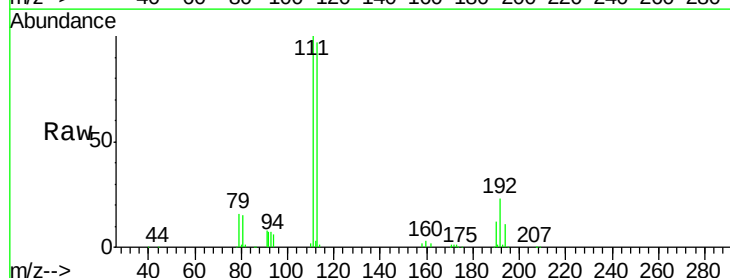
Tgt Ion:113 Resp: 172283

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.6

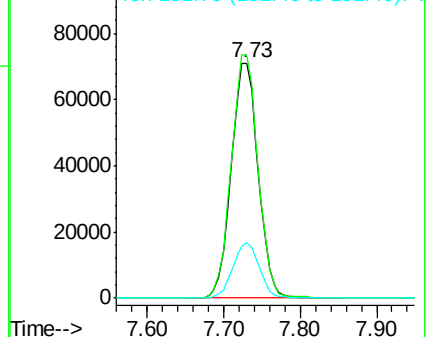
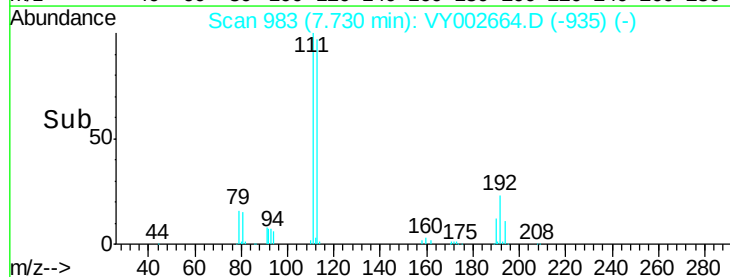
192 23.1 18.2 27.4

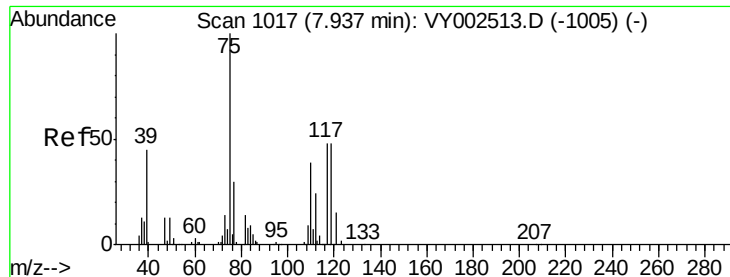


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.63 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.14 min

Lab File: VY002664.D

Acq: 12 May 2020 13:32

Instrument :

MSVOA_Y

ClientSampled :

TP-27

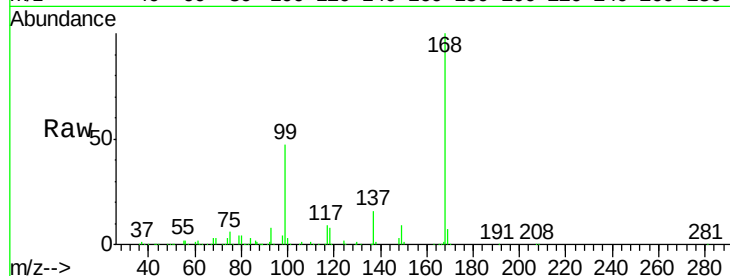
Tgt Ion: 75 Resp: 22780

Ion Ratio Lower Upper

75 100

110 10.7 19.1 57.3#

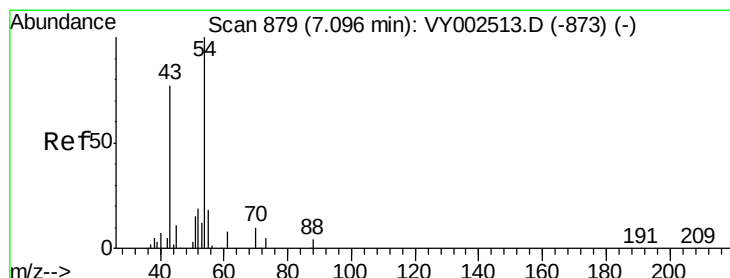
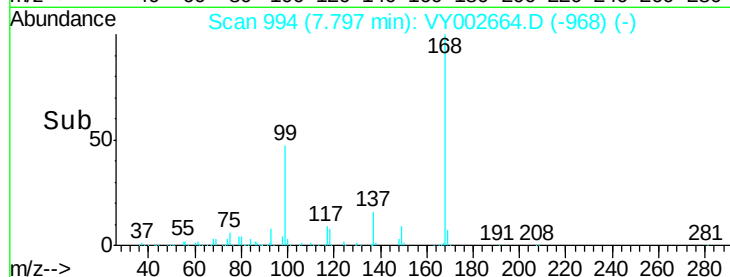
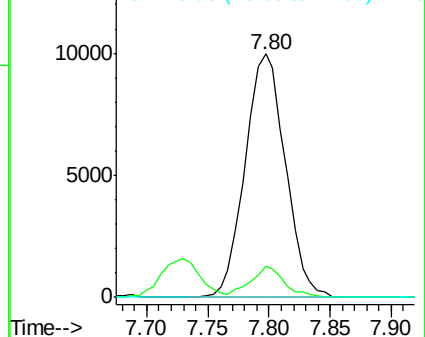
77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#37

Ethyl Acetate

Concen: 3.19 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.10 min

Lab File: VY002664.D

Acq: 12 May 2020 13:32

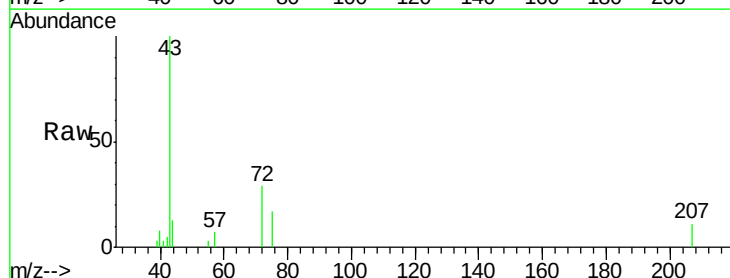
Tgt Ion: 43 Resp: 8063

Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

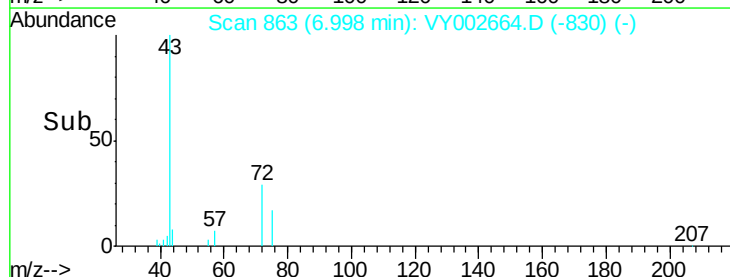
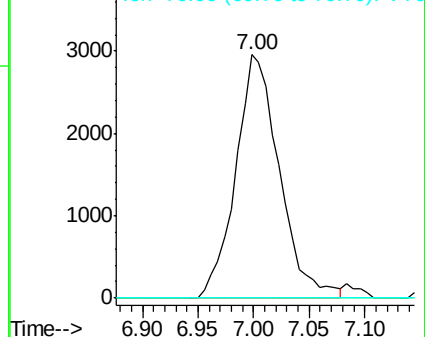
70 0.0 9.0 13.6#

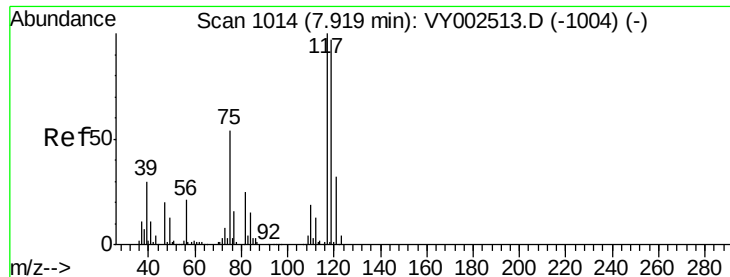


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 70.00 (69.70 to 70.70): VY0





#38

Carbon Tetrachloride

Concen: 6.25 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY002664.D

Acq: 12 May 2020 13:32

Instrument :

MSVOA_Y

ClientSampleId :

TP-27

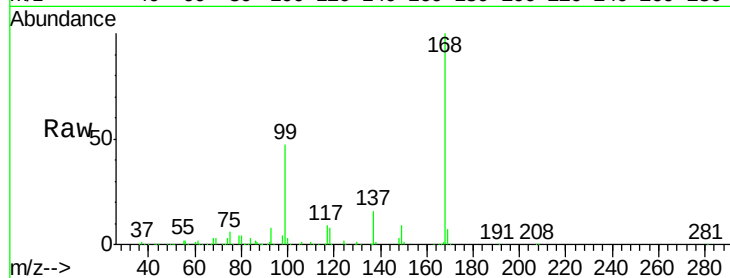
Tgt Ion:117 Resp: 33543

Ion Ratio Lower Upper

117 100

119 5.1 77.1 115.7#

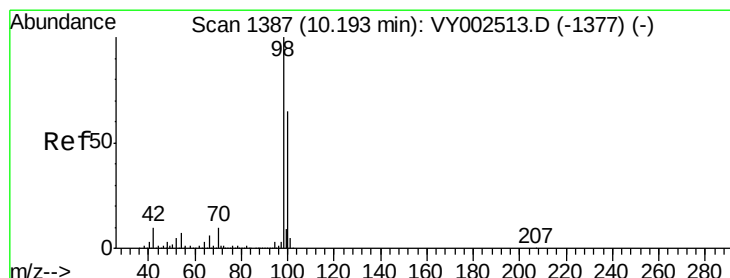
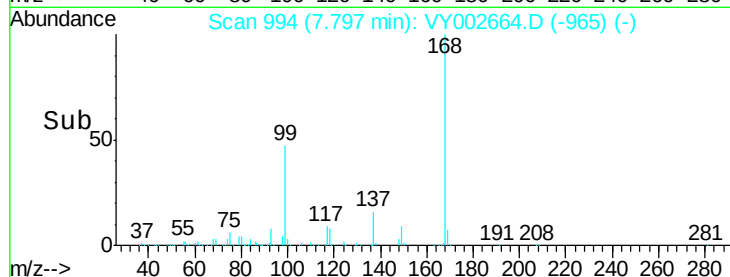
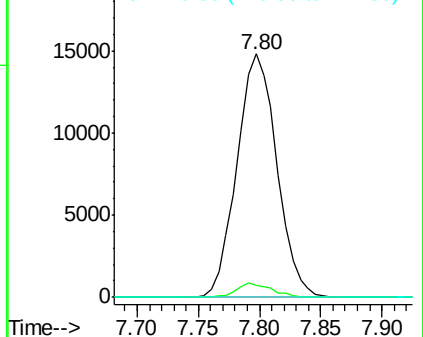
121 0.0 25.2 37.8#



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: 51.71 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002664.D

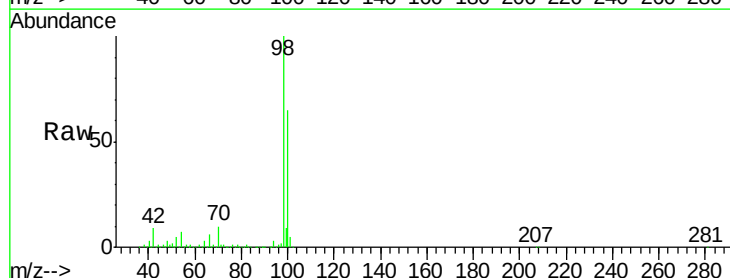
Acq: 12 May 2020 13:32

Tgt Ion: 98 Resp: 677455

Ion Ratio Lower Upper

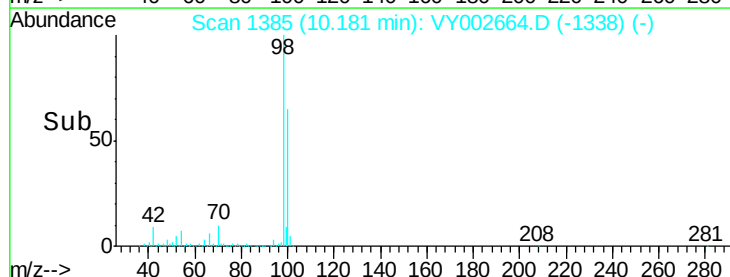
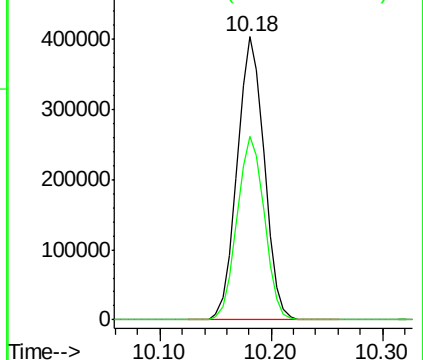
98 100

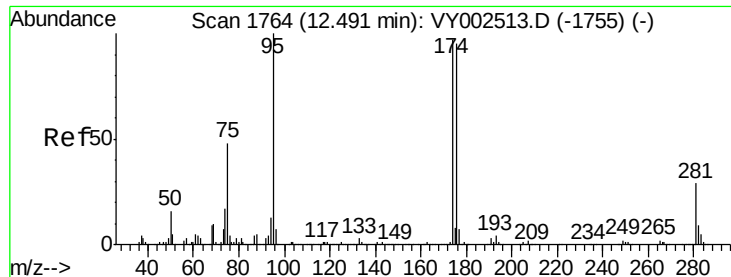
100 65.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

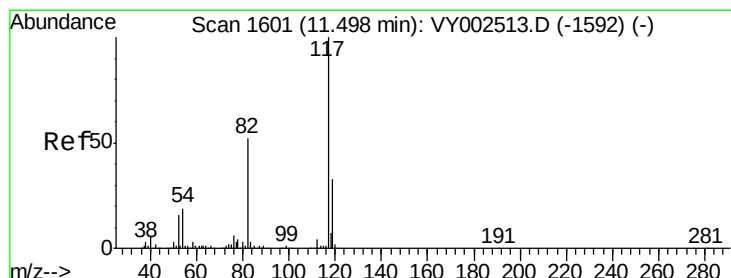
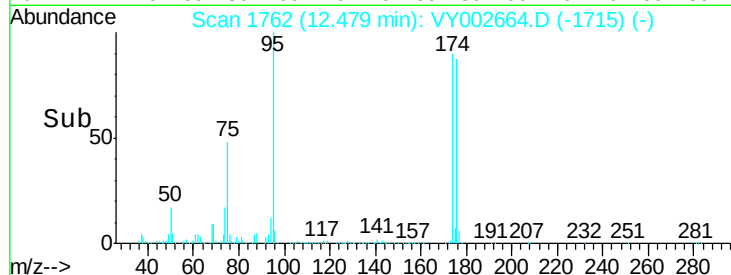
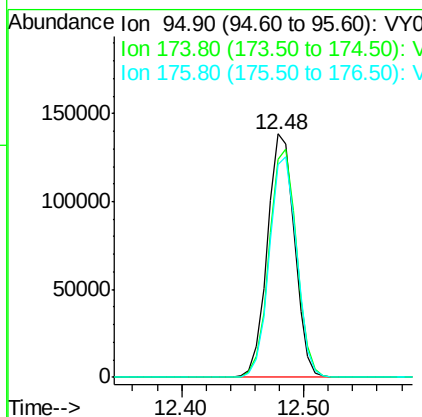
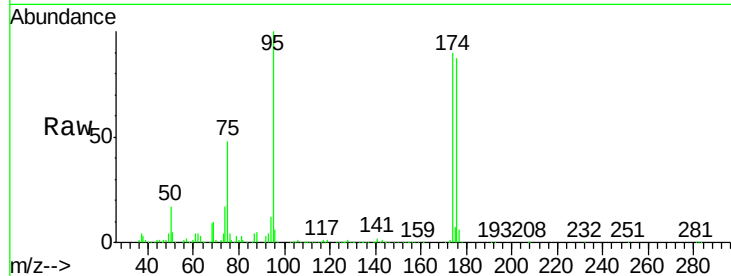




#62
4-Bromofluorobenzene
Concen: 48.18 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY002664.D
Acq: 12 May 2020 13:32

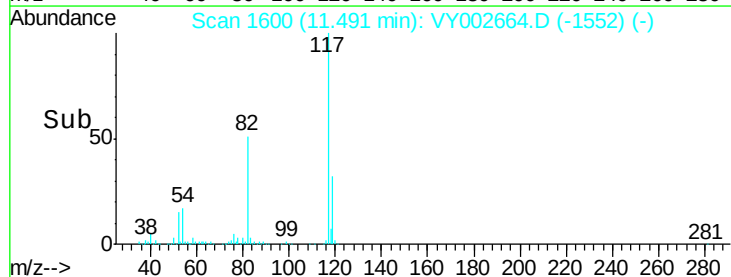
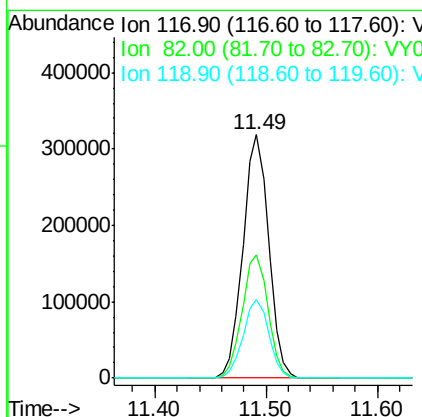
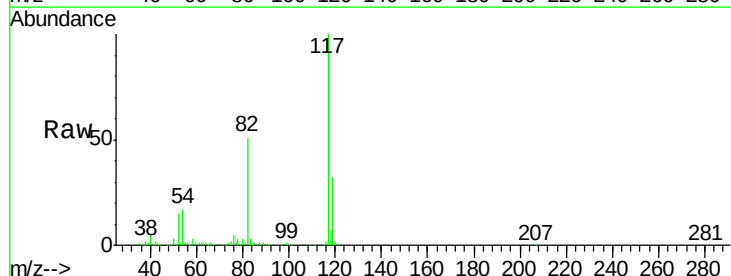
Instrument :
MSVOA_Y
ClientSampleId :
TP-27

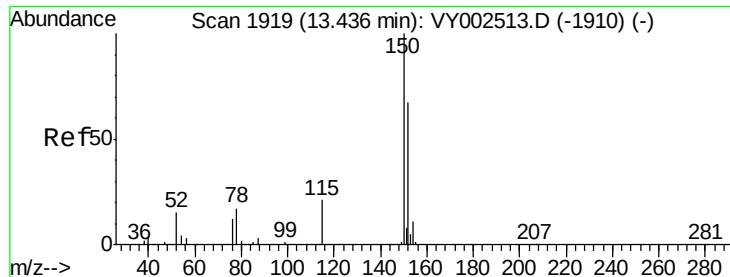
Tgt Ion: 95 Resp: 214194
Ion Ratio Lower Upper
95 100
174 94.2 0.0 188.8
176 90.9 0.0 183.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002664.D
Acq: 12 May 2020 13:32

Tgt Ion: 117 Resp: 510841
Ion Ratio Lower Upper
117 100
82 50.8 41.3 61.9
119 32.3 26.0 39.0

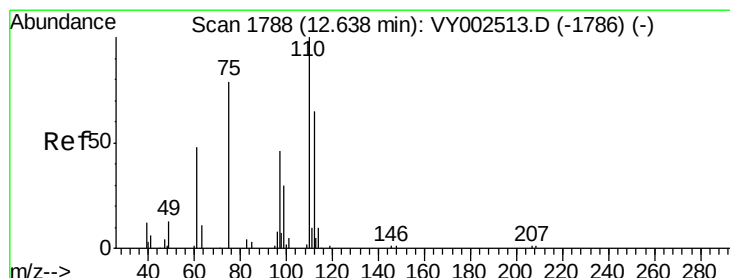
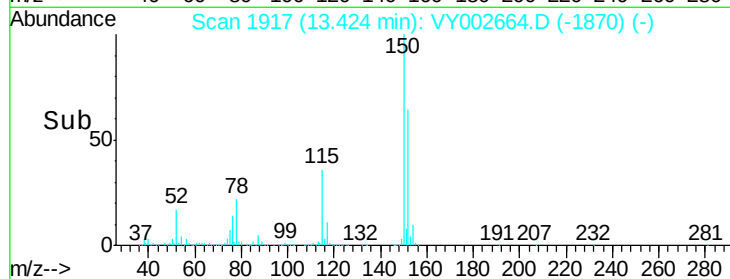
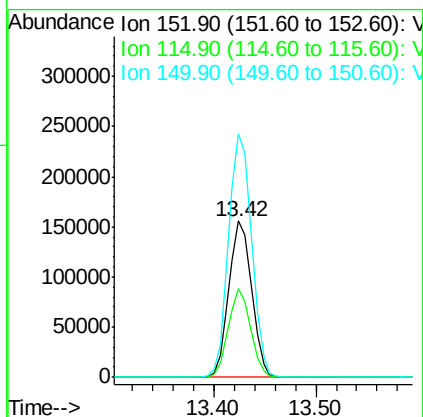
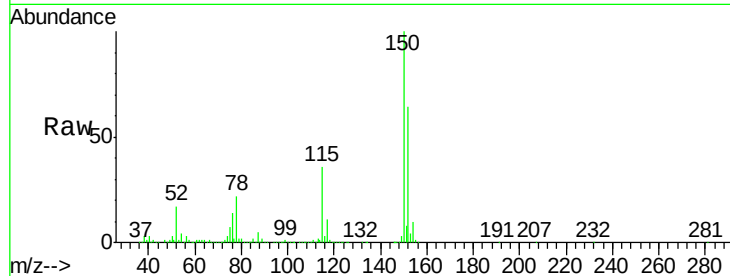




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.42 min Scan# 1917
 Delta R.T. -0.01 min
 Lab File: VY002664.D
 Acq: 12 May 2020 13:32

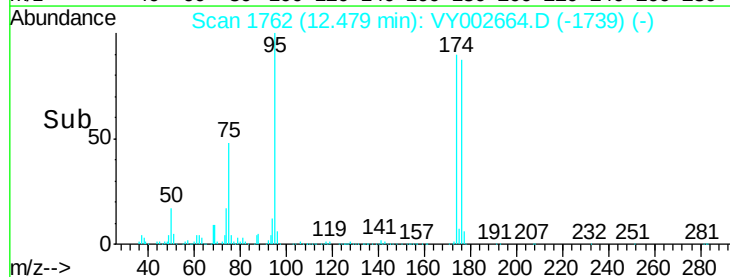
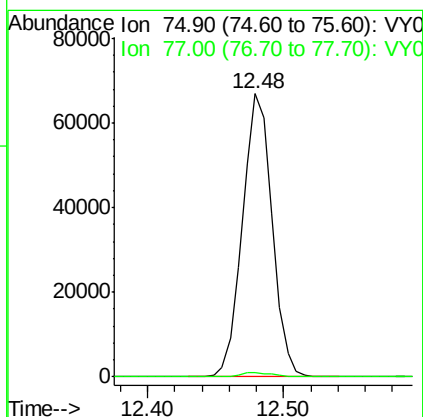
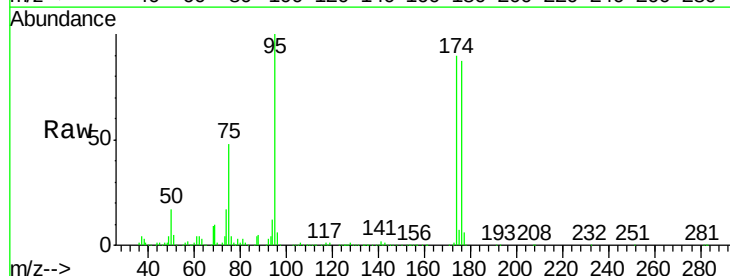
Instrument :
 MSVOA_Y
 ClientSampled :
 TP-27

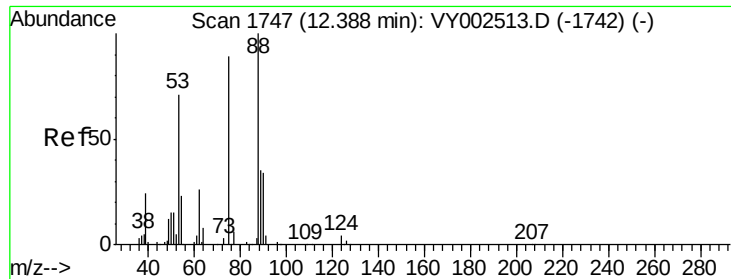
Tgt Ion:152 Resp: 240110
 Ion Ratio Lower Upper
 152 100
 115 54.7 27.5 82.4
 150 157.1 0.0 346.4



#76
 1,2,3-Trichloropropane
 Concen: 47.73 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.16 min
 Lab File: VY002664.D
 Acq: 12 May 2020 13:32

Tgt Ion: 75 Resp: 101848
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 95.71 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002664.D

Acq: 12 May 2020 13:32

Instrument :

MSVOA_Y

ClientSampleId :

TP-27

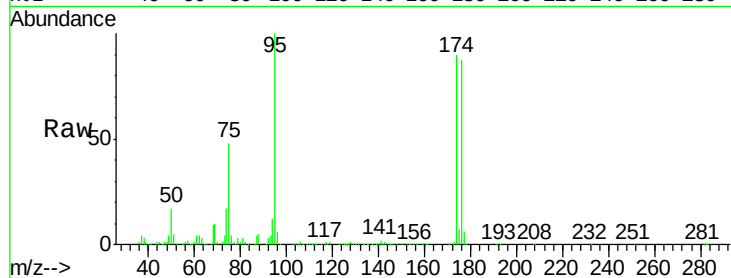
Tgt Ion: 75 Resp: 101848

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.1 37.4 56.0#



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

