

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY022420\
 Data File : VY001762.D
 Acq On : 24 Feb 2020 10:53
 Operator : SY/MD
 Sample : VY0224SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBL01

Quant Time: Feb 24 13:34:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	170335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	320357	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	286101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	121388	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	102459	55.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.84%	
35) Dibromofluoromethane	7.74	113	92967	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	10.19	98	383090	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
62) 4-Bromofluorobenzene	12.48	95	128828	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	

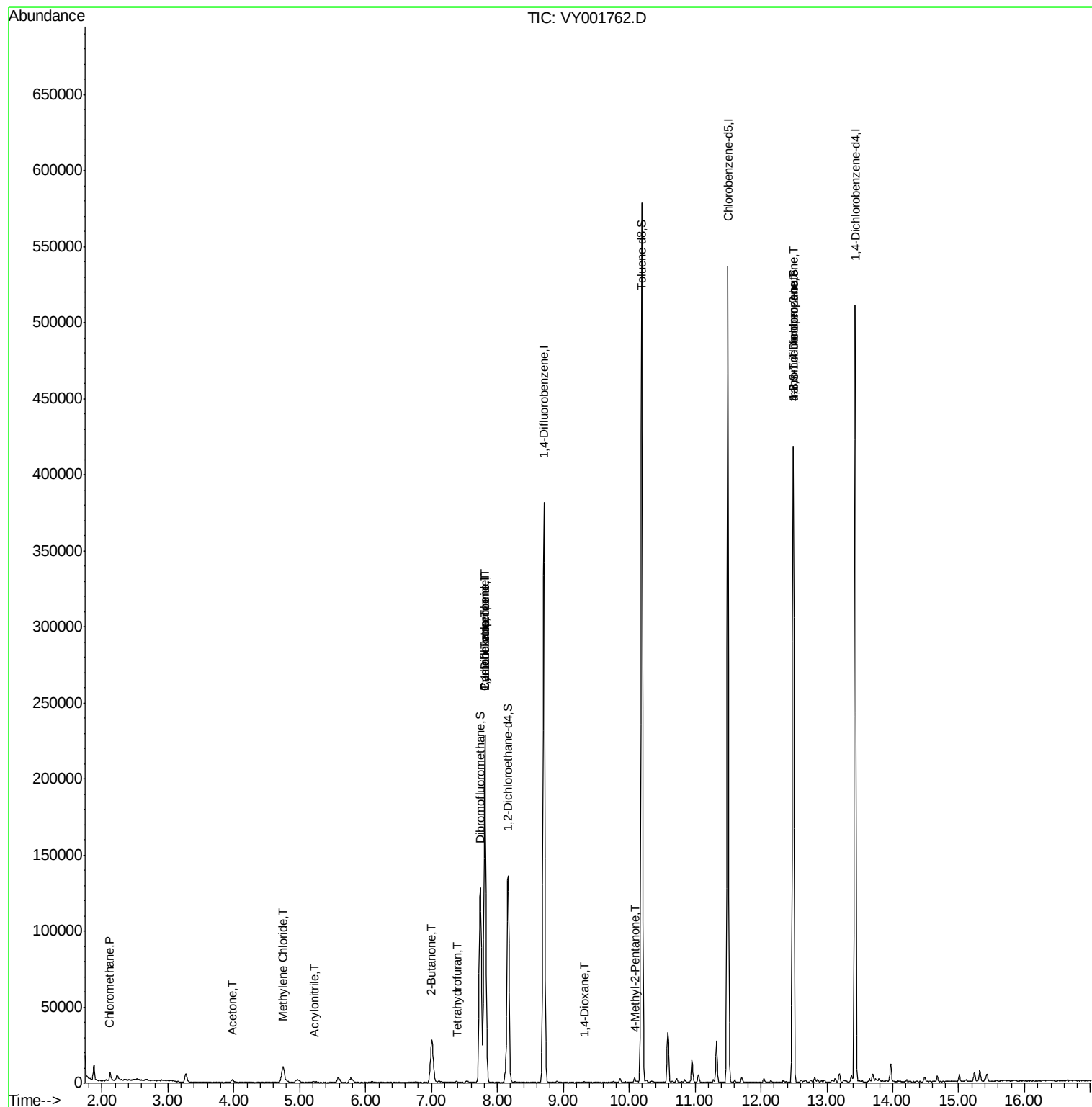
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	4402	1.97	ug/l	95
11) Tert butyl alcohol	4.96	59	3242	Below Cal	#	79
15) Acrylonitrile	5.21	53	694	1.19	ug/l	# 88
16) Acetone	3.98	43	3088	4.87	ug/l	95
20) Methylene Chloride	4.75	84	7366	3.27	ug/l	95
25) 2-Butanone	7.01	43	2319	2.69	ug/l	# 77
29) Tetrahydrofuran	7.39	42	521	1.00	ug/l	# 54
31) Cyclohexane	7.81	56	4094	1.06	ug/l	# 1
36) 1,1-Dichloropropene	7.82	75	14227	4.65	ug/l	# 49
38) Carbon Tetrachloride	7.81	117	17226	6.41	ug/l	# 18
49) 1,4-Dioxane	9.31	88	69	4.14	ug/l	# 32
51) 4-Methyl-2-Pentanone	10.08	43	2362	1.33	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	69	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.48	75	65480	47.02	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.48	75	65480	89.21	ug/l	# 17

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY022420\
Data File : VY001762.D
Acq On : 24 Feb 2020 10:53
Operator : SY/MD
Sample : VY0224SBL01
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBL01

Quant Time: Feb 24 13:34:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001762.D

Acq: 24 Feb 2020 10:53

Instrument :

MSVOA_Y

ClientSampleId :

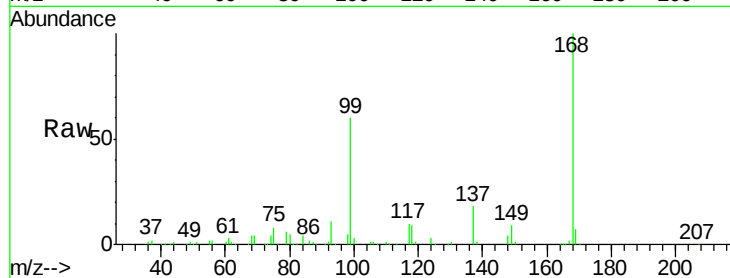
VY0224SBL01

Tgt Ion: 168 Resp: 170335

Ion Ratio Lower Upper

168 100

99 59.7 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)

7.81

80000

60000

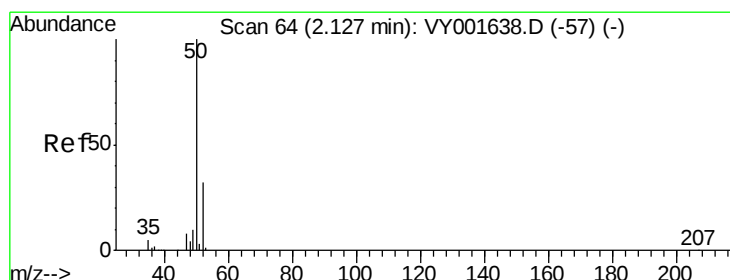
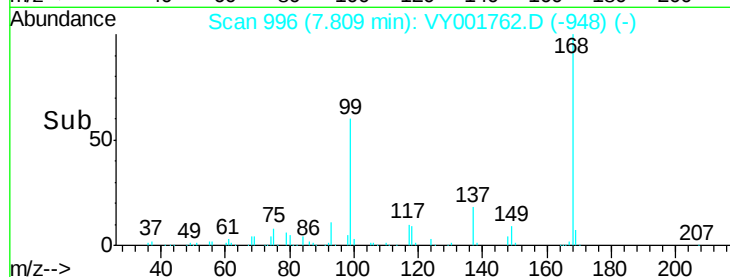
40000

20000

0

7.70 7.80 7.90

Time-->



#3

Chloromethane

Concen: 1.97 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001762.D

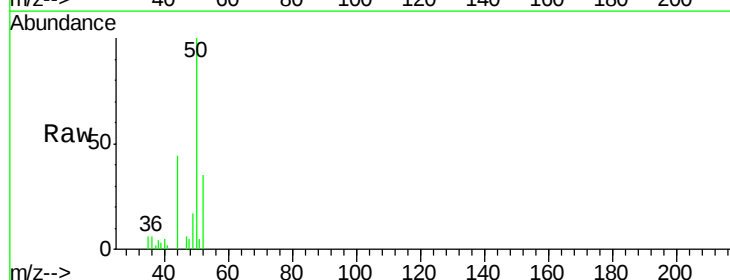
Acq: 24 Feb 2020 10:53

Tgt Ion: 50 Resp: 4402

Ion Ratio Lower Upper

50 100

52 34.9 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY001638.D (-57) (-)

Ion 51.90 (51.60 to 52.60): VY001638.D (-57) (-)

2.12

3000

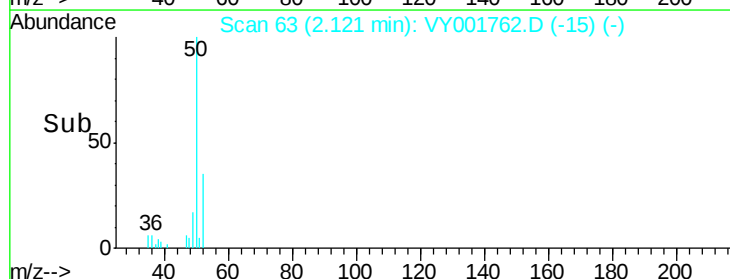
2000

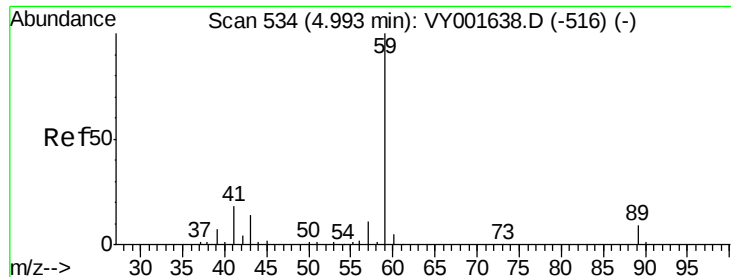
1000

0

2.10 2.15

Time-->

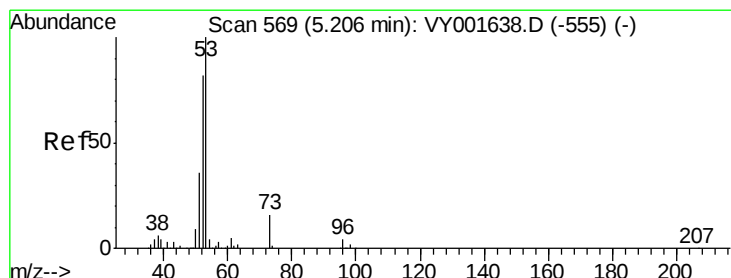
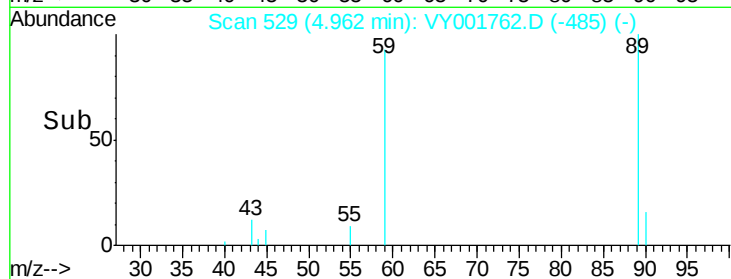
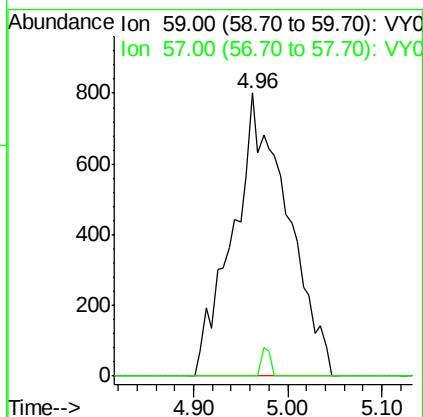
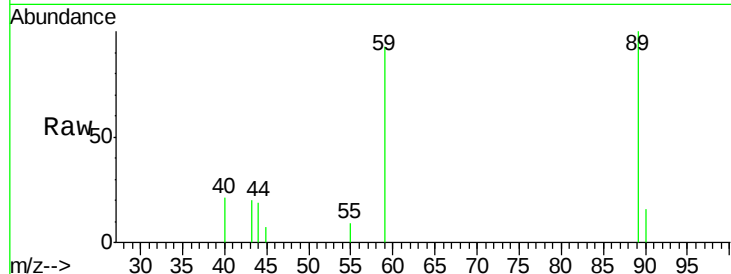




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.96 min Scan# 529
Delta R.T. -0.03 min
Lab File: VY001762.D
Acq: 24 Feb 2020 10:53

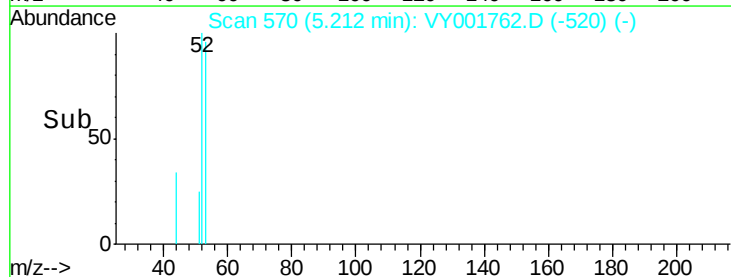
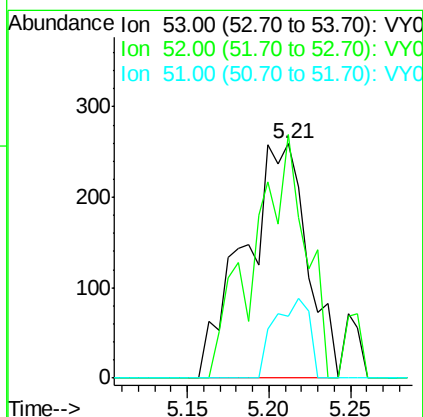
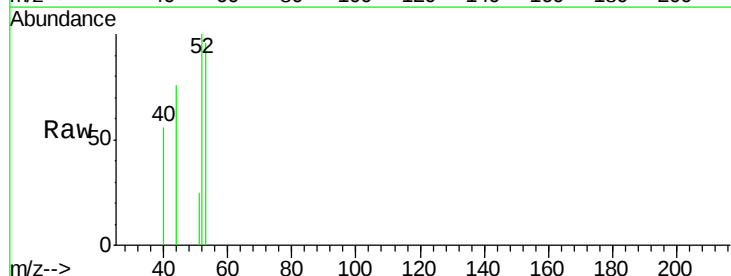
Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBL01

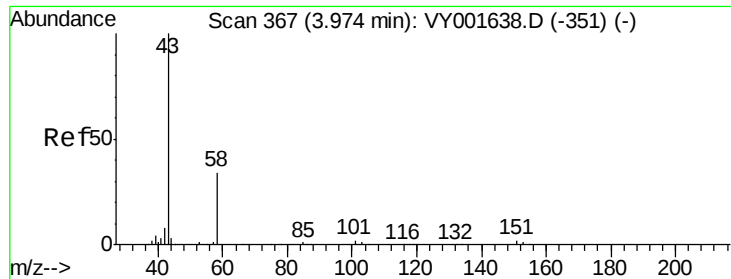
Tgt Ion: 59 Resp: 3242
Ion Ratio Lower Upper
59 100
57 1.7 7.4 11.2#



#15
Acrylonitrile
Concen: 1.19 ug/l
RT: 5.21 min Scan# 570
Delta R.T. 0.01 min
Lab File: VY001762.D
Acq: 24 Feb 2020 10:53

Tgt Ion: 53 Resp: 694
Ion Ratio Lower Upper
53 100
52 86.0 65.4 98.0
51 18.9 28.0 42.0#





#16

Acetone

Concen: 4.87 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001762.D

Acq: 24 Feb 2020 10:53

Instrument :

MSVOA_Y

ClientSampleId :

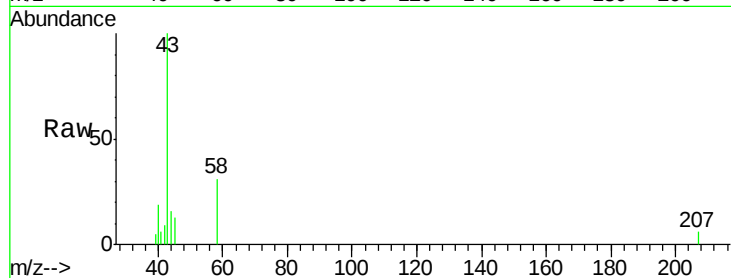
VY0224SBL01

Tgt Ion: 43 Resp: 3088

Ion Ratio Lower Upper

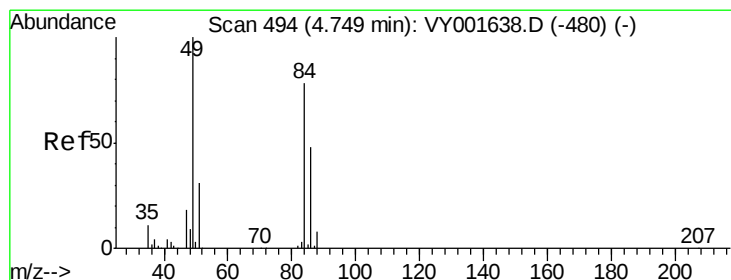
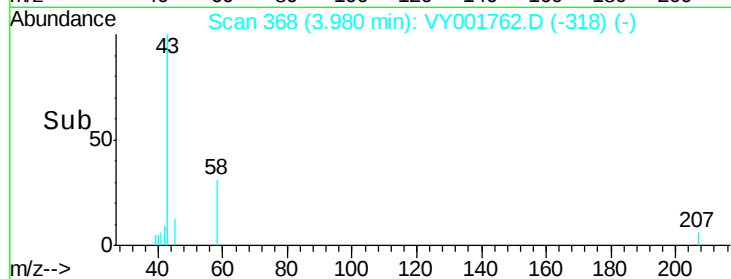
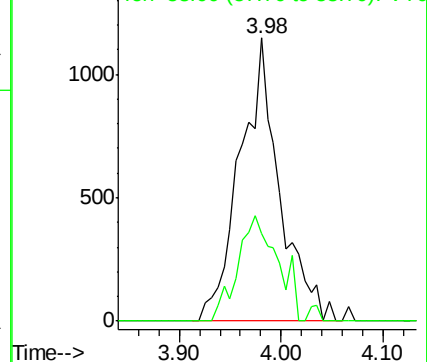
43 100

58 31.0 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 3.27 ug/l

RT: 4.75 min Scan# 494

Delta R.T. -0.00 min

Lab File: VY001762.D

Acq: 24 Feb 2020 10:53

Tgt Ion: 84 Resp: 7366

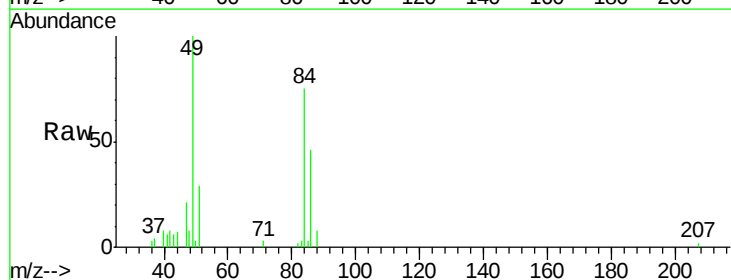
Ion Ratio Lower Upper

84 100

49 132.5 99.2 148.8

51 38.9 31.5 47.3

86 60.9 51.0 76.6

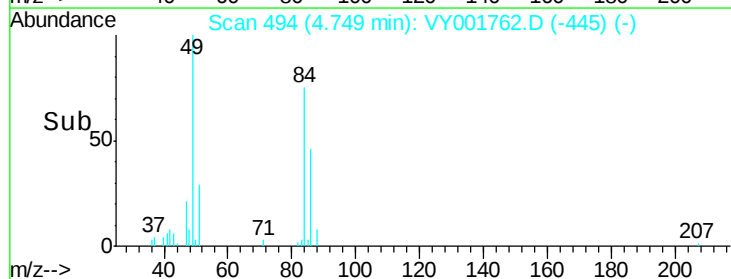
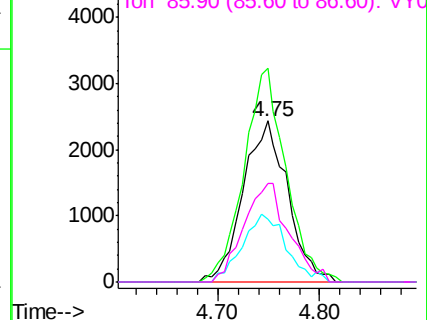


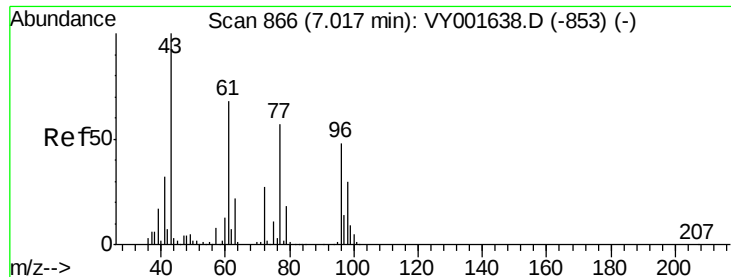
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

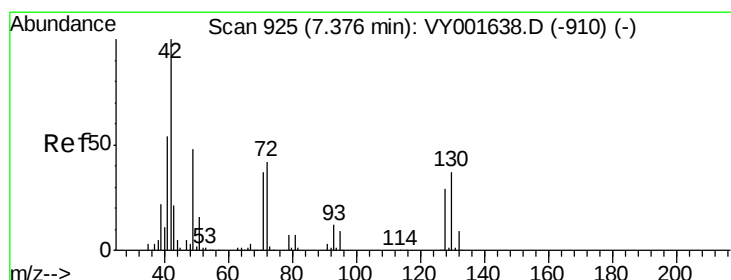
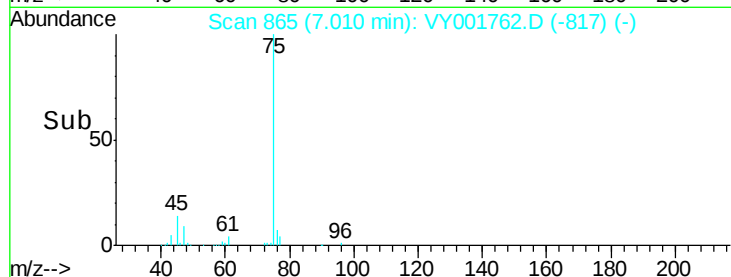
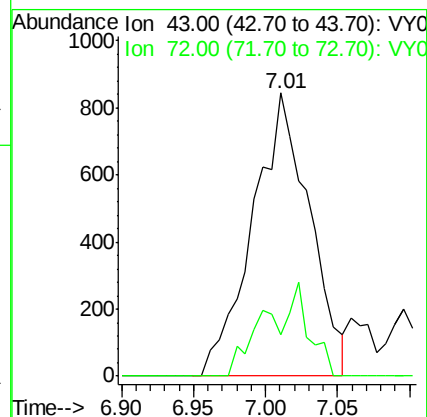
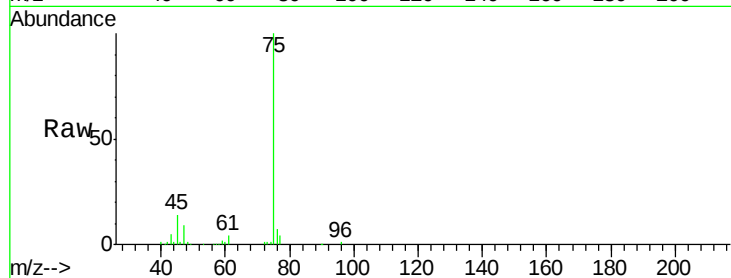




#25
2-Butanone
Concen: 2.69 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001762.D
Acq: 24 Feb 2020 10:53

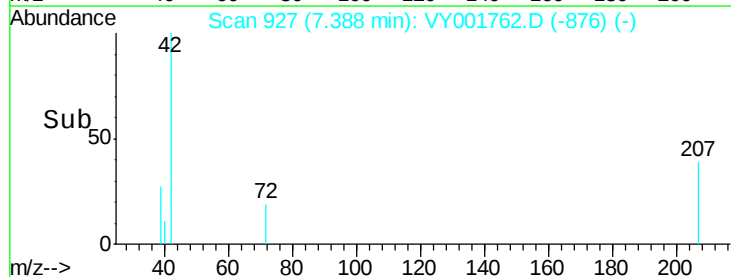
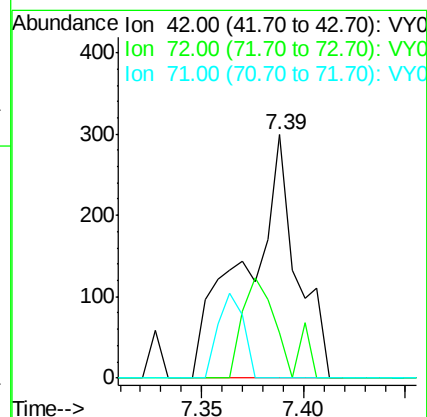
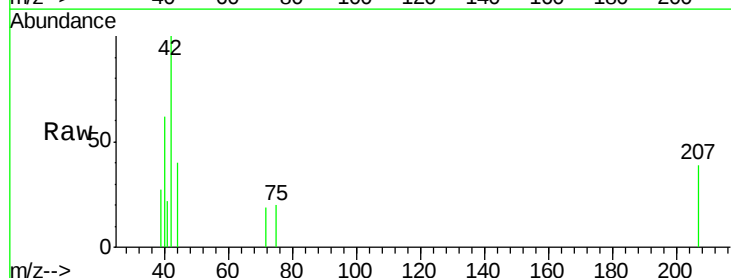
Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBL01

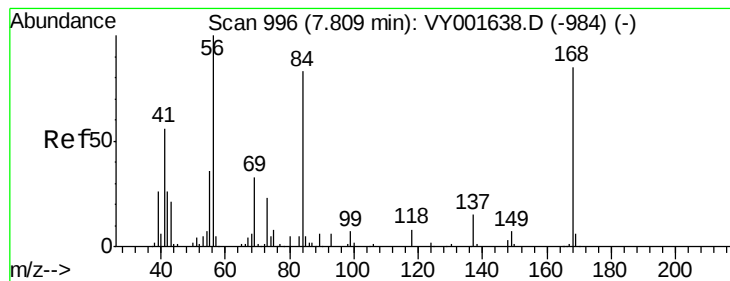
Tgt Ion: 43 Resp: 2319
Ion Ratio Lower Upper
43 100
72 14.8 21.2 31.8#



#29
Tetrahydrofuran
Concen: 1.00 ug/l
RT: 7.39 min Scan# 927
Delta R.T. 0.01 min
Lab File: VY001762.D
Acq: 24 Feb 2020 10:53

Tgt Ion: 42 Resp: 521
Ion Ratio Lower Upper
42 100
72 25.1 34.4 51.6#
71 0.0 31.8 47.8#





#31

Cyclohexane

Concen: 1.06 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY001762.D

Acq: 24 Feb 2020 10:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBL01

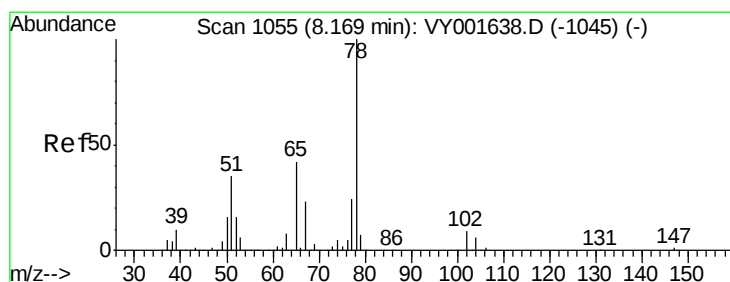
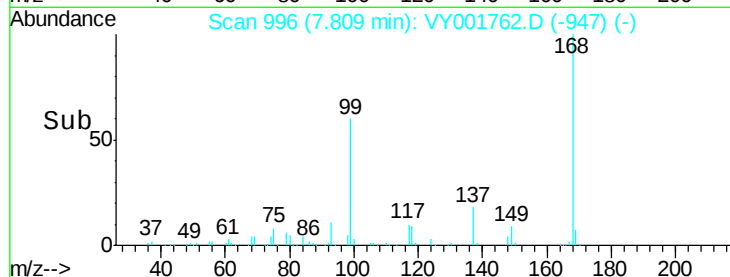
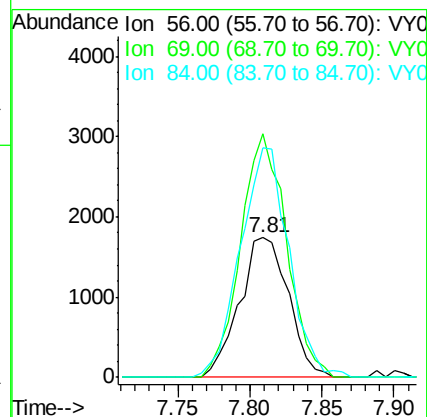
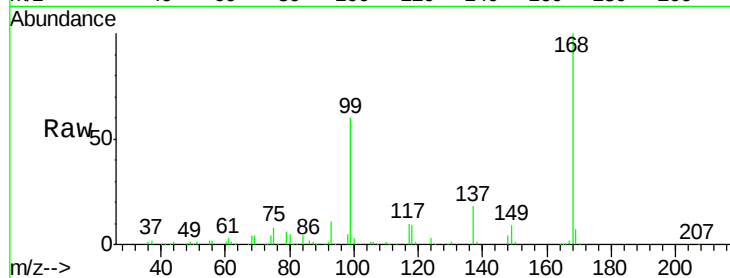
Tgt Ion: 56 Resp: 4094

Ion Ratio Lower Upper

56 100

69 174.4 25.1 37.7#

84 164.8 66.9 100.3#



#33

1,2-Dichloroethane-d4

Concen: 55.92 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001762.D

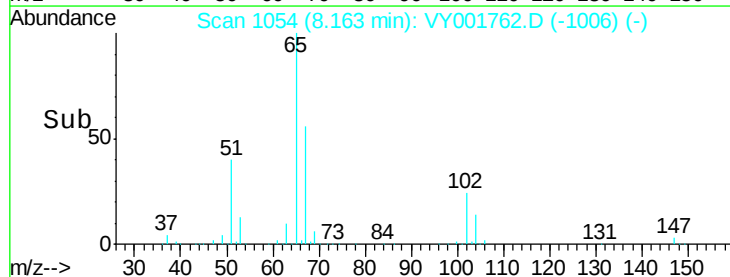
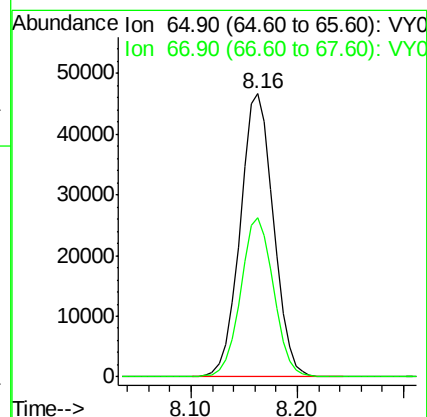
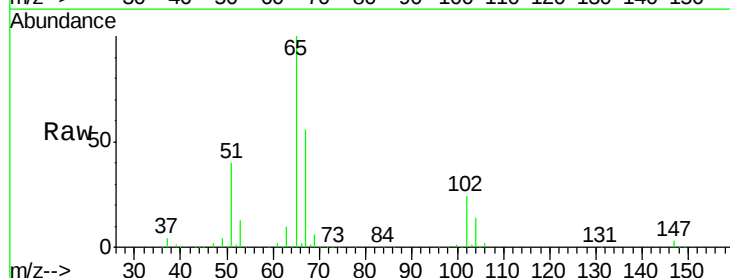
Acq: 24 Feb 2020 10:53

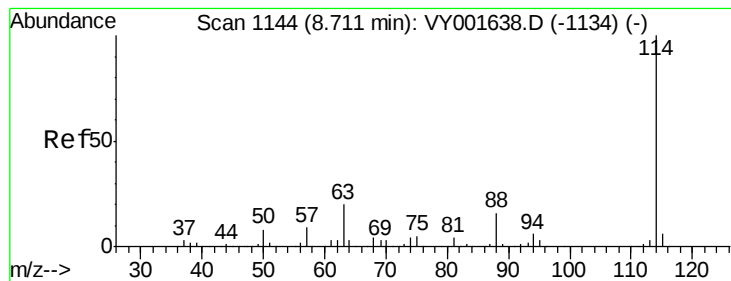
Tgt Ion: 65 Resp: 102459

Ion Ratio Lower Upper

65 100

67 55.6 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001762.D

Acq: 24 Feb 2020 10:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBL01

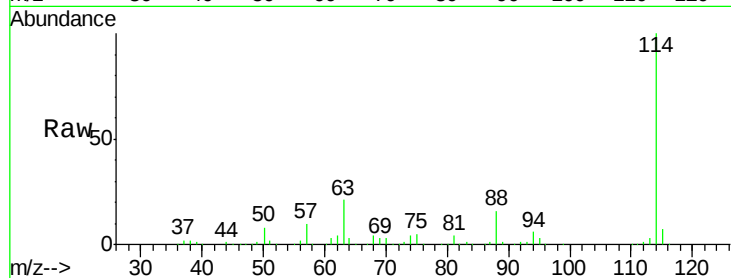
Tgt Ion:114 Resp: 320357

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.4

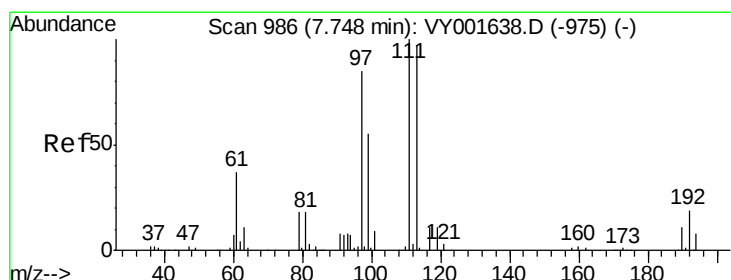
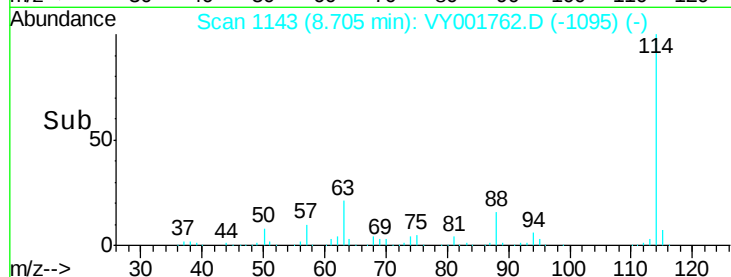
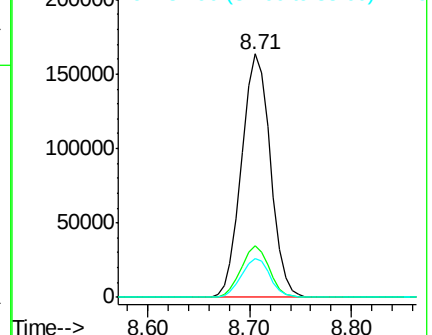
88 15.8 0.0 32.8



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: 50.67 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001762.D

Acq: 24 Feb 2020 10:53

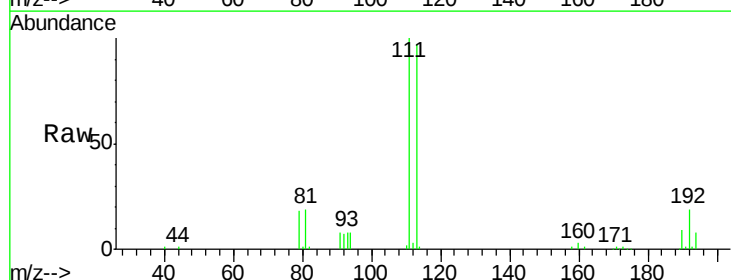
Tgt Ion:113 Resp: 92967

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

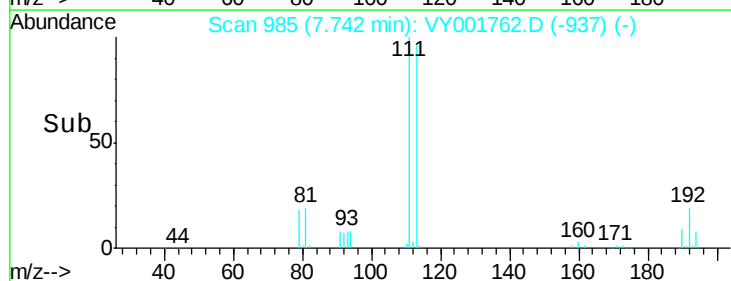
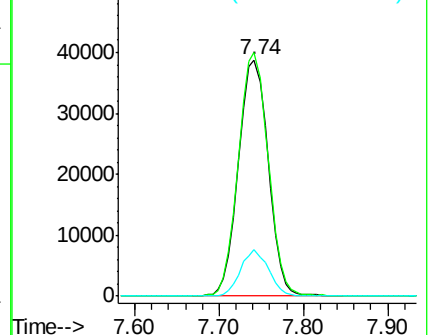
192 18.3 14.3 21.5

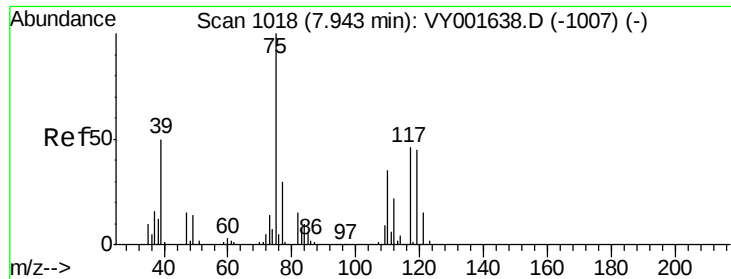


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

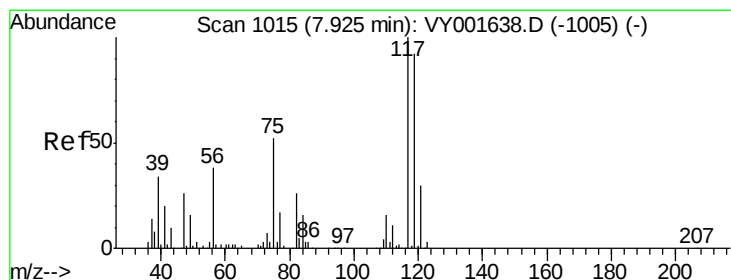
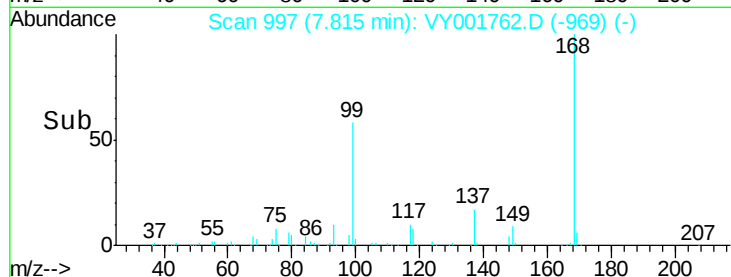
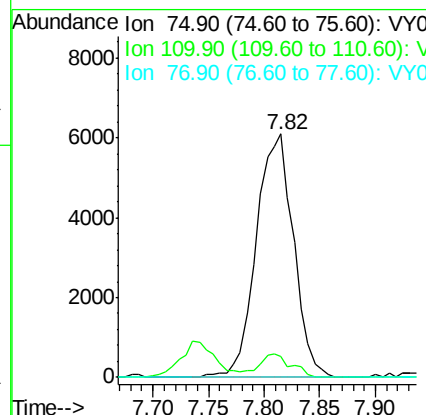
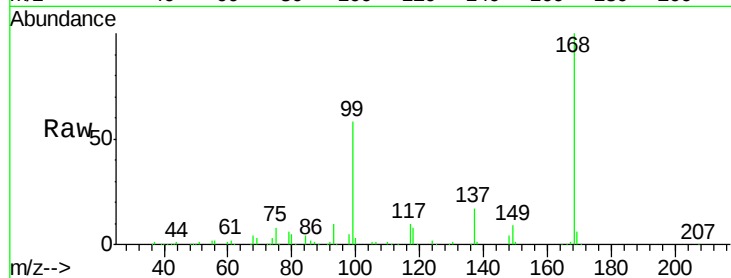




#36
 1,1-Dichloropropene
 Concen: 4.65 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001762.D
 Acq: 24 Feb 2020 10:53

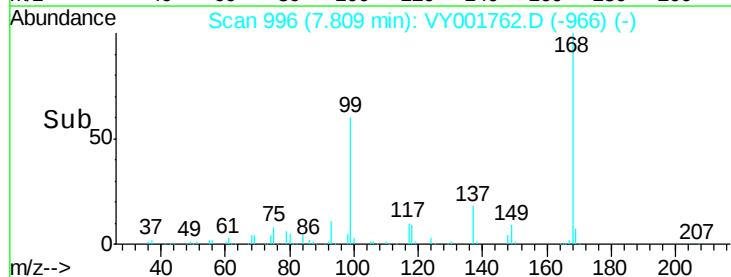
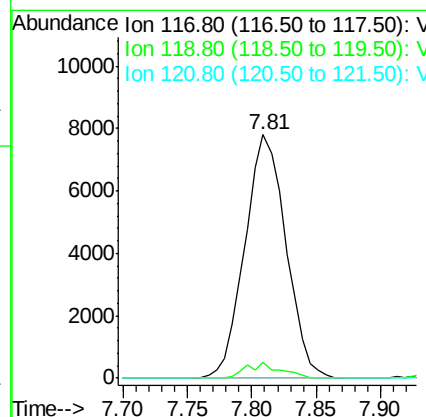
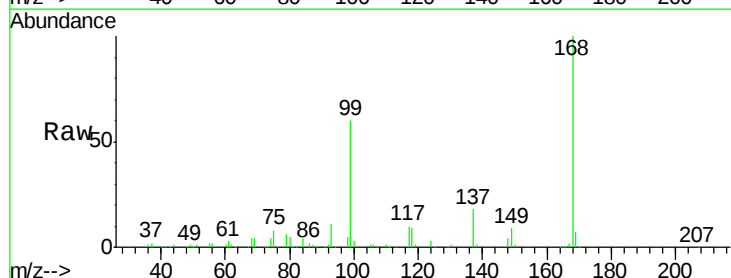
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBL01

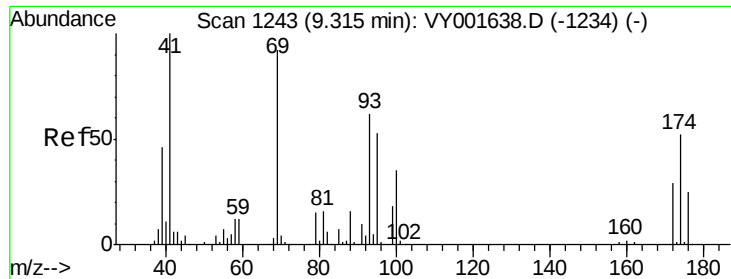
Tgt Ion: 75 Resp: 14227
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.2 51.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.41 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY001762.D
 Acq: 24 Feb 2020 10:53

Tgt Ion: 117 Resp: 17226
 Ion Ratio Lower Upper
 117 100
 119 6.3 74.8 112.2#
 121 0.0 23.8 35.6#

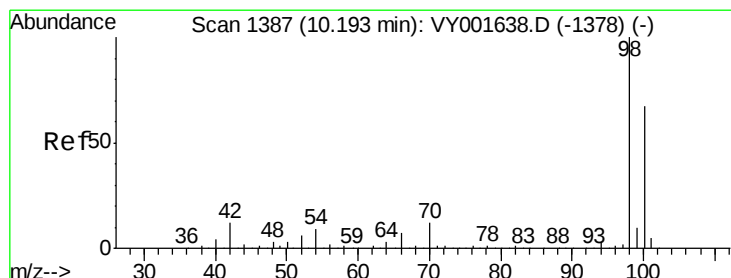
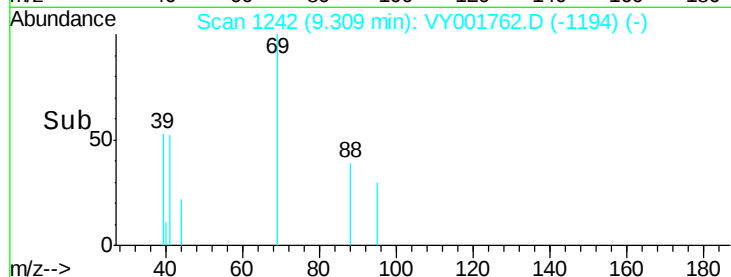
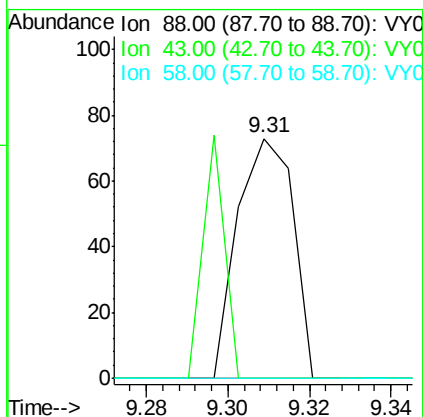
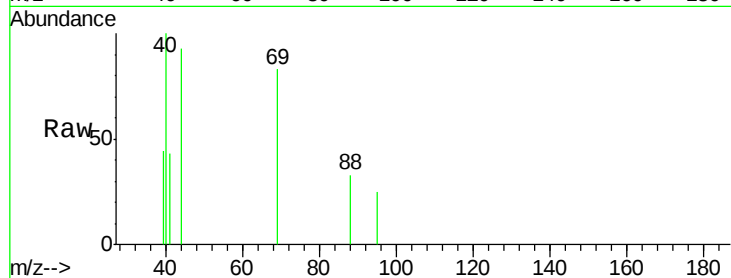




#49
1,4-Dioxane
Concen: 4.14 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VY001762.D
Acq: 24 Feb 2020 10:53

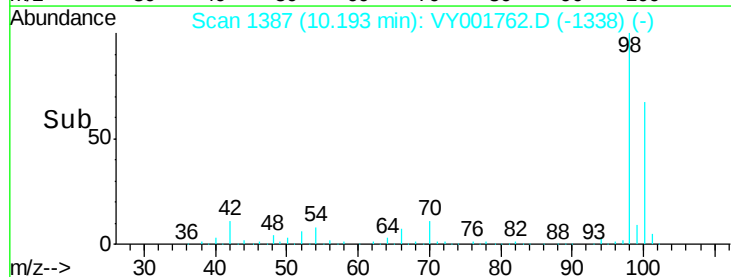
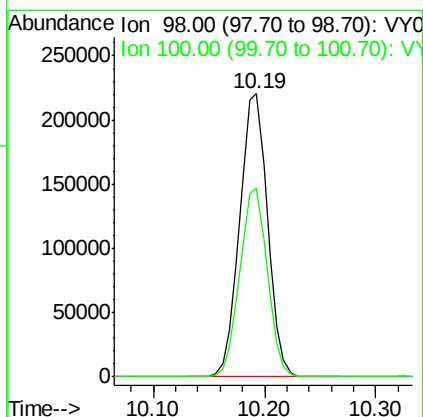
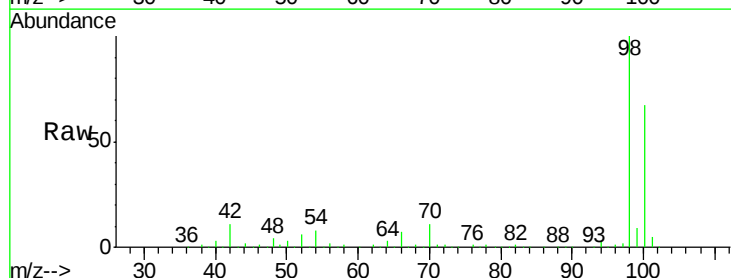
Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBL01

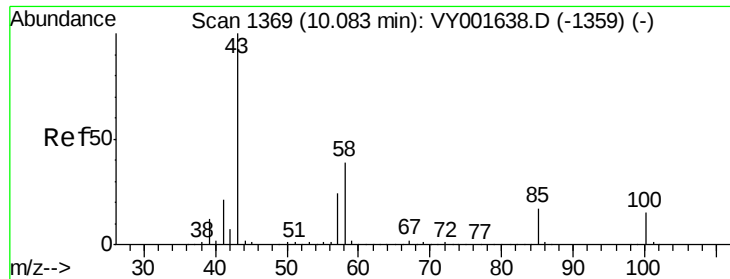
Tgt Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 39.1 23.1 34.7#
58 0.0 58.1 87.1#



#50
Toluene-d8
Concen: 53.29 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY001762.D
Acq: 24 Feb 2020 10:53

Tgt Ion: 98 Resp: 383090
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4

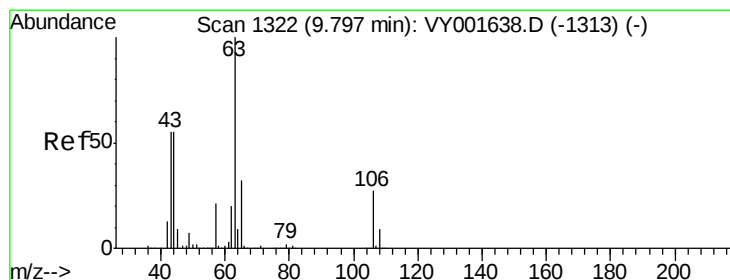
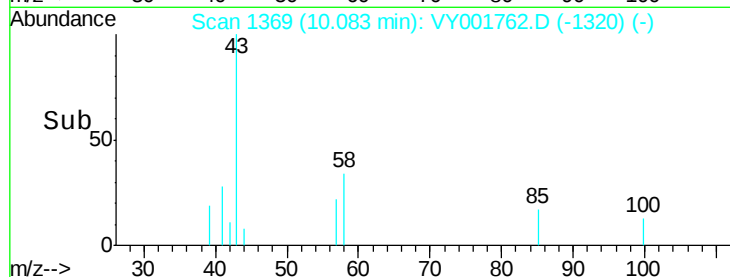
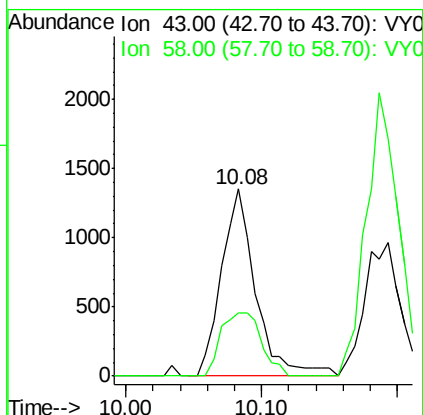
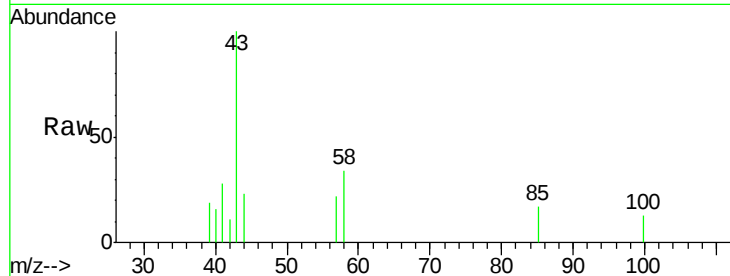




#51
4-Methyl-2-Pentanone
Concen: 1.33 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VY001762.D
Acq: 24 Feb 2020 10:53

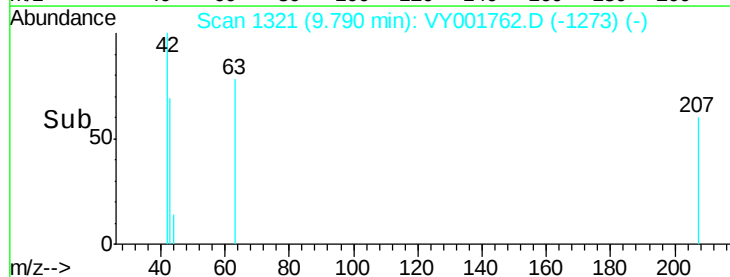
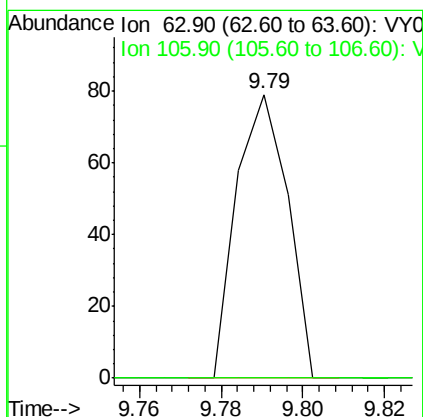
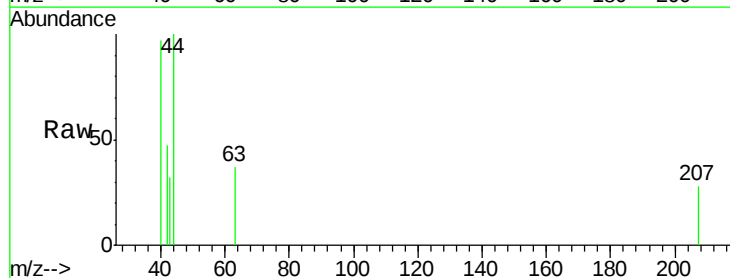
Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBL01

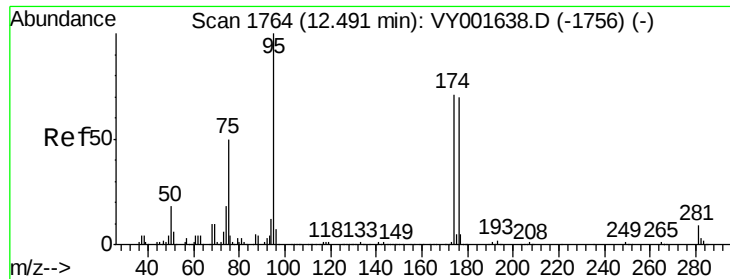
Tgt Ion: 43 Resp: 2362
Ion Ratio Lower Upper
43 100
58 40.2 32.2 48.4



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.79 min Scan# 1321
Delta R.T. -0.01 min
Lab File: VY001762.D
Acq: 24 Feb 2020 10:53

Tgt Ion: 63 Resp: 69
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

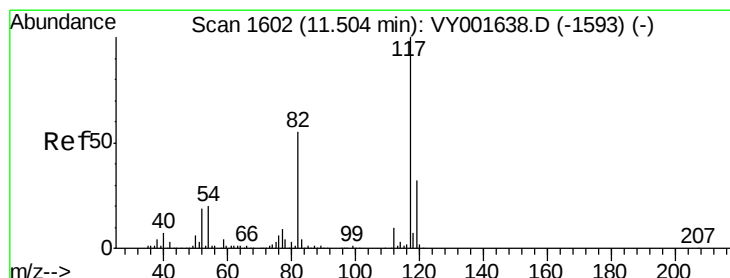
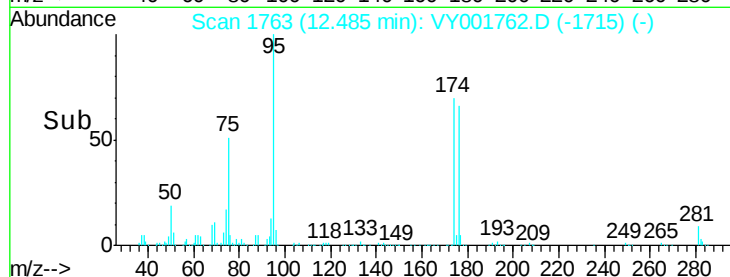
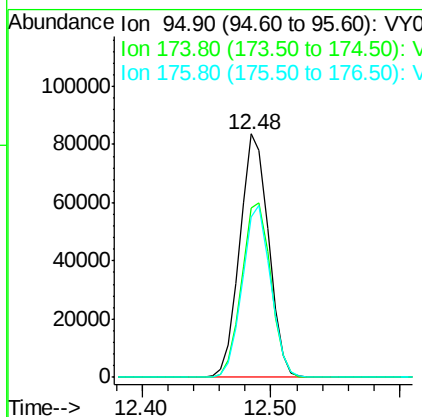
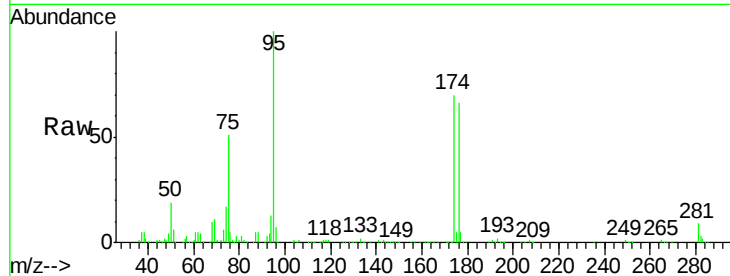




#62
4-Bromofluorobenzene
Concen: 46.13 ug/l
RT: 12.48 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY001762.D
Acq: 24 Feb 2020 10:53

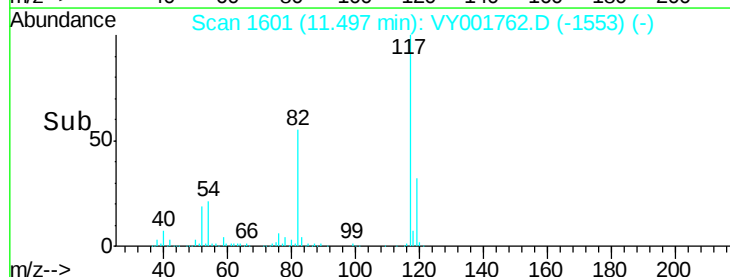
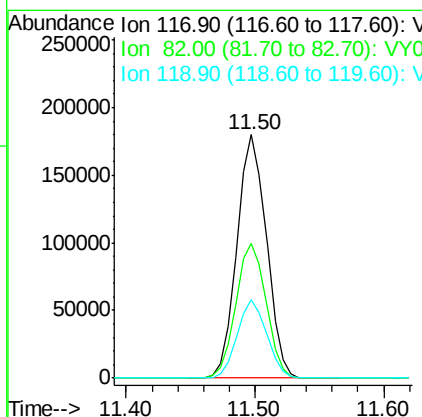
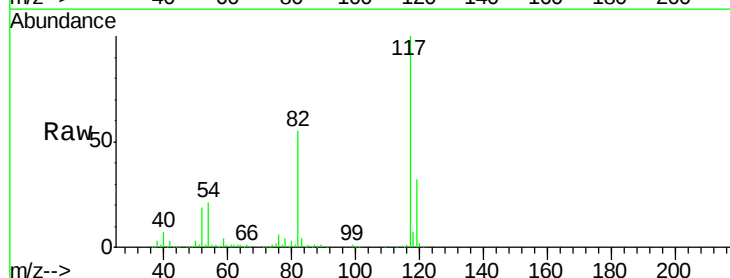
Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBL01

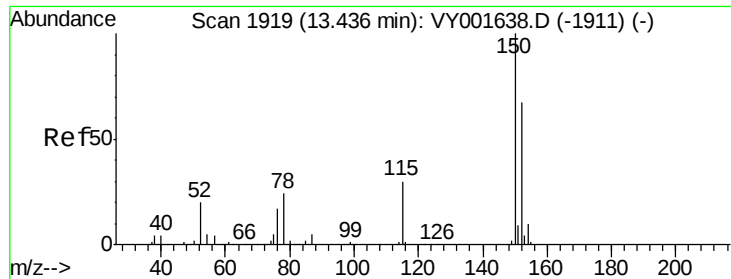
Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	138.4
176	69.4	0.0	131.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001762.D
Acq: 24 Feb 2020 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.1	45.5	68.3
119	32.1	25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001762.D

Acq: 24 Feb 2020 10:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBL01

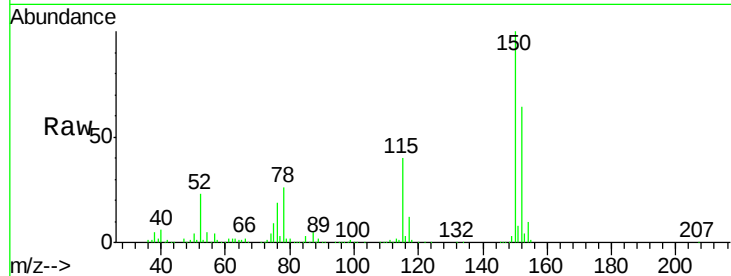
Tgt Ion:152 Resp: 121388

Ion Ratio Lower Upper

152 100

115 61.4 31.4 94.2

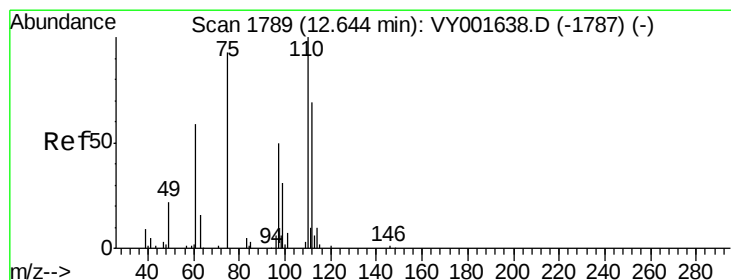
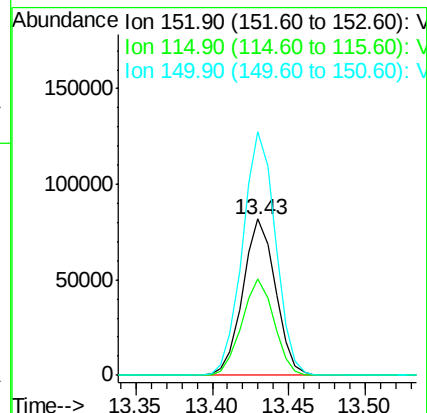
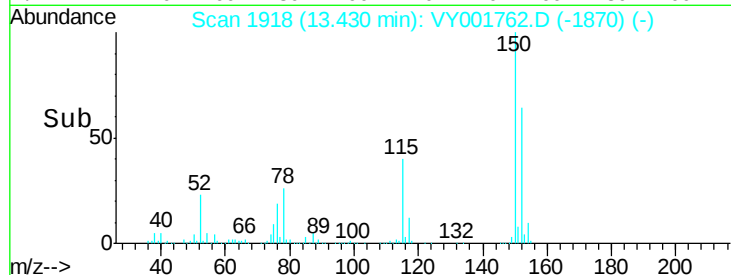
150 157.4 0.0 407.2



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: 47.02 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001762.D

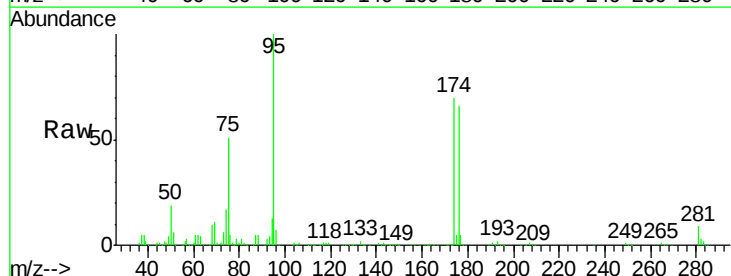
Acq: 24 Feb 2020 10:53

Tgt Ion: 75 Resp: 65480

Ion Ratio Lower Upper

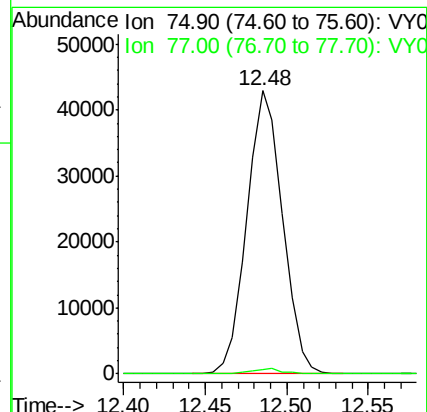
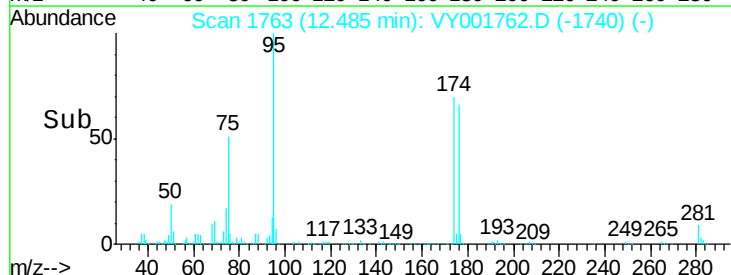
75 100

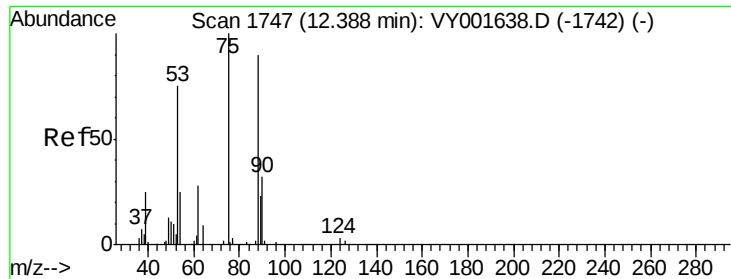
77 1.5 0.0 0.0#



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: 89.21 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001762.D

Acq: 24 Feb 2020 10:53

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBL01

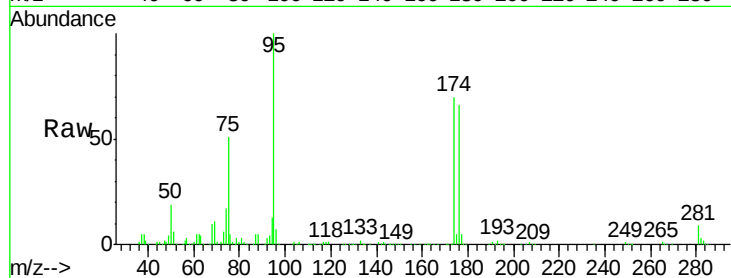
Tgt Ion: 75 Resp: 65480

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.5 36.3 54.5#



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

