

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
 Data File : VY002964.D
 Acq On : 22 Jun 2020 11:12
 Operator : SY/MD
 Sample : VY0622SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0622SBL01

Quant Time: Jun 22 14:21:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 20 06:39:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	368665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	544980	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	502199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	265812	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	162022	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
35) Dibromofluoromethane	7.72	113	167658	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
50) Toluene-d8	10.18	98	652069	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
62) 4-Bromofluorobenzene	12.48	95	223057	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	

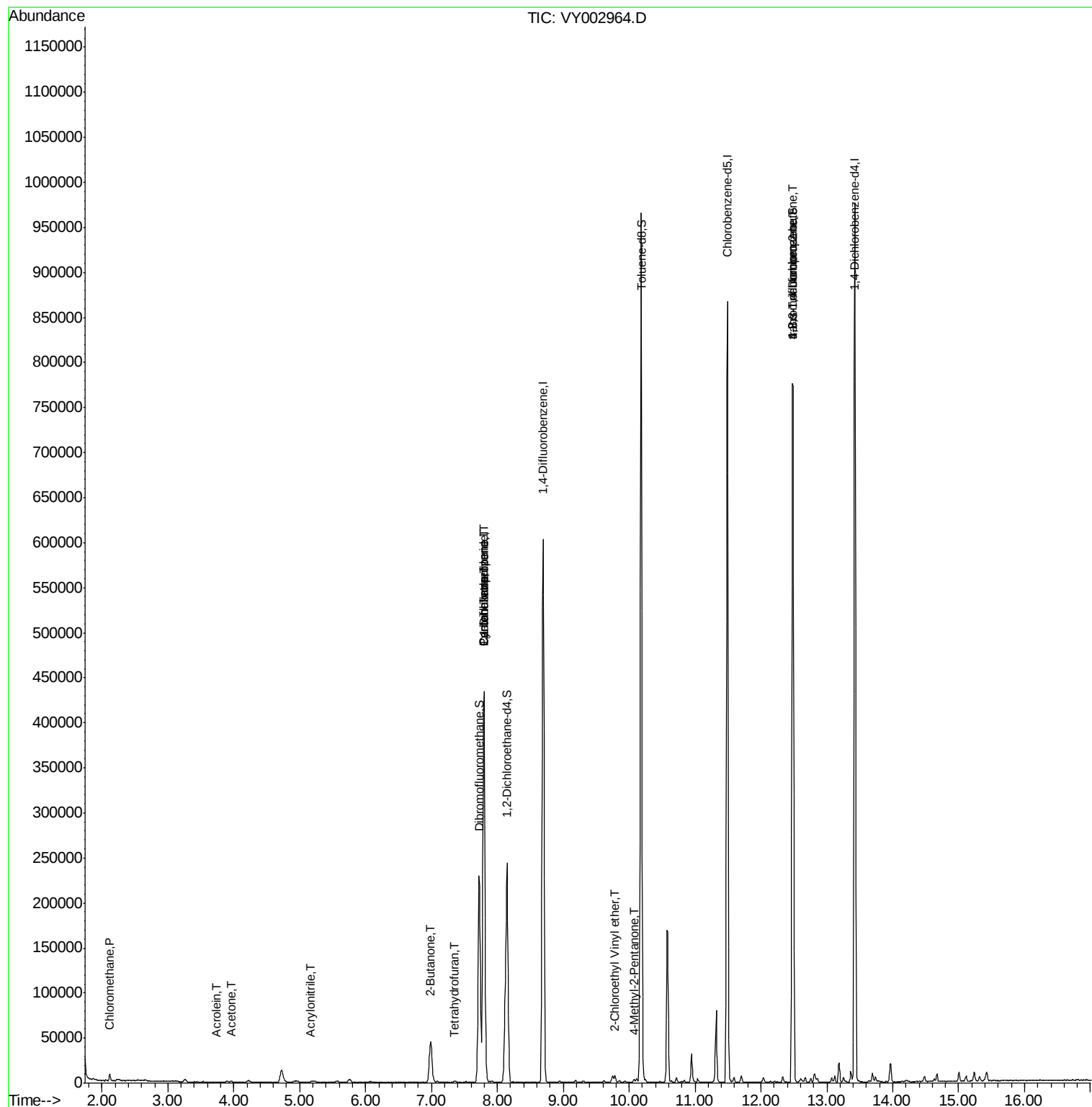
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	6118	2.293	ug/l	99
11) Tert butyl alcohol	4.94	59	3281	Below Cal	#	74
13) Acrolein	3.74	56	310	1.013	ug/l	89
15) Acrylonitrile	5.17	53	1440	1.617	ug/l	98
16) Acetone	3.96	43	2670	3.540	ug/l #	87
18) Methyl Acetate	4.49	43	1038	Below Cal	#	74
20) Methylene Chloride	4.73	84	11079	Below Cal		98
25) 2-Butanone	6.99	43	3120	2.761	ug/l #	75
29) Tetrahydrofuran	7.36	42	980	1.342	ug/l	89
31) Cyclohexane	7.80	56	6007	1.149	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	22169	5.009	ug/l #	48
38) Carbon Tetrachloride	7.80	117	32622	6.688	ug/l #	17
51) 4-Methyl-2-Pentanone	10.07	43	2603	1.073	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	3361	1.774	ug/l	96
76) 1,2,3-Trichloropropane	12.48	75	105545	45.593	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	105545	87.046	ug/l #	16

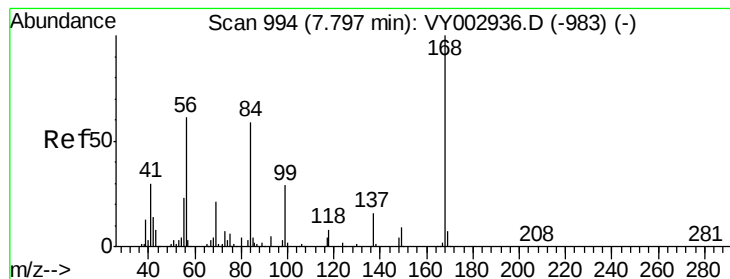
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002964.D

Acq: 22 Jun 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

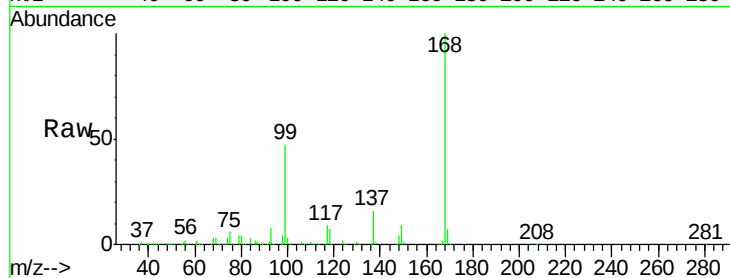
VY0622SBL01

Tgt Ion:168 Resp: 368665

Ion Ratio Lower Upper

168 100

99 47.1 39.5 59.3



Abundance Ion 167.90 (167.60 to 168.60): VY002936.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002936.D (-983) (-)

7.80

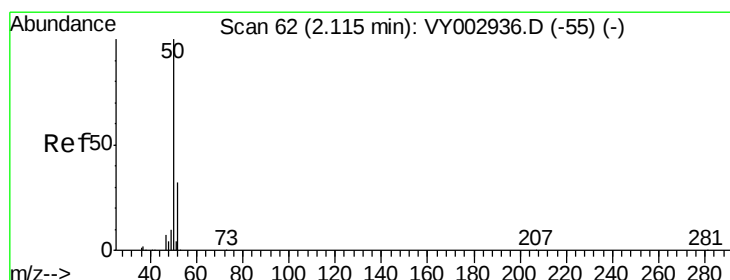
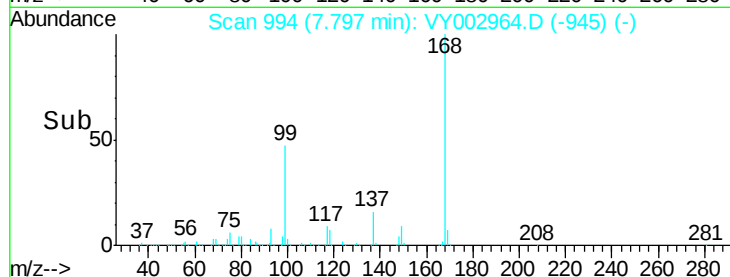
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 2.293 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002964.D

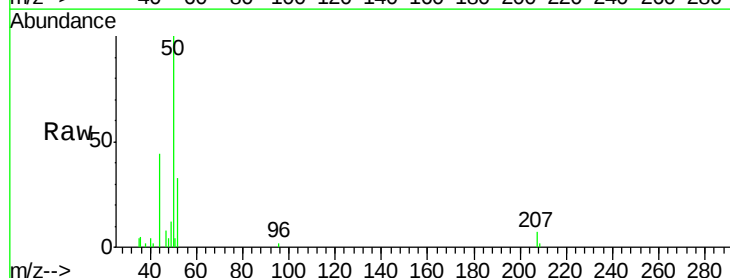
Acq: 22 Jun 2020 11:12

Tgt Ion: 50 Resp: 6118

Ion Ratio Lower Upper

50 100

52 32.7 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY002936.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY002936.D (-55) (-)

2.12

5000

4000

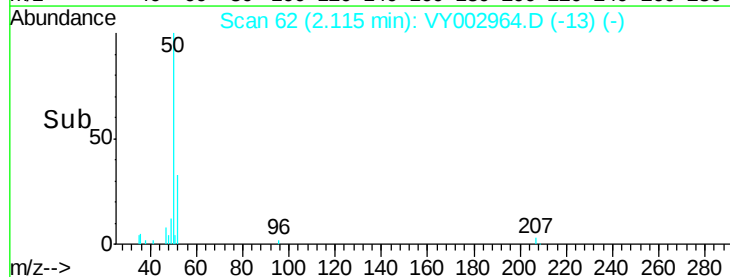
3000

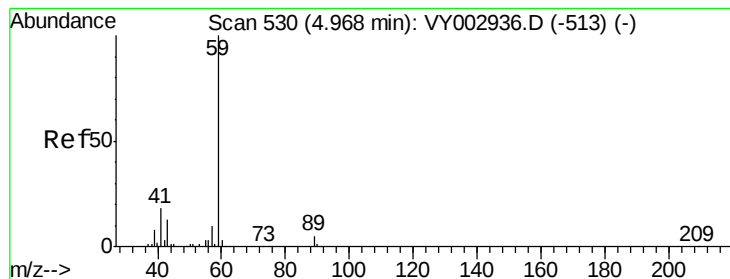
2000

1000

0

Time-->



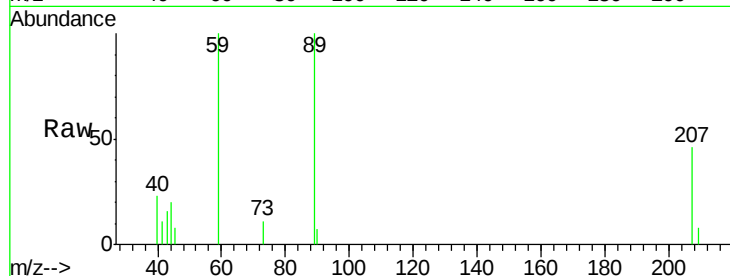


#11

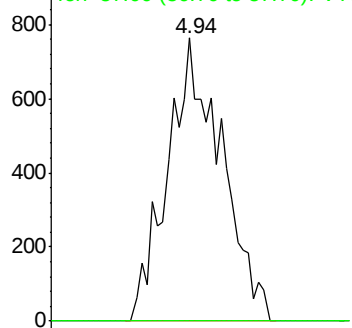
Tert butyl alcohol
 Concen: Below Cal
 RT: 4.94 min Scan# 526
 Delta R.T. -0.02 min
 Lab File: VY002964.D
 Acq: 22 Jun 2020 11:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0622SBL01

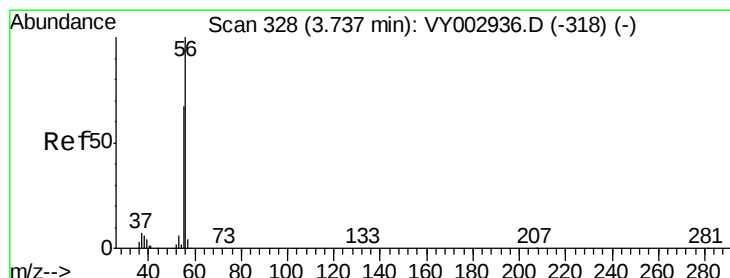
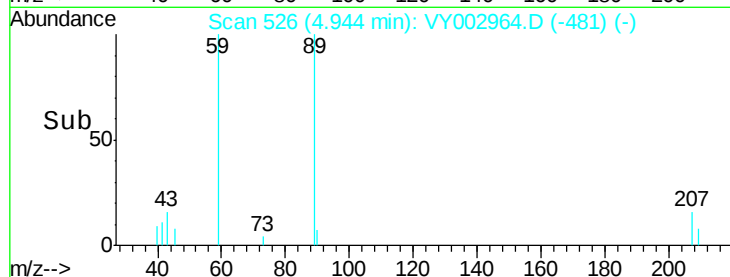
Tgt Ion: 59 Resp: 3281
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



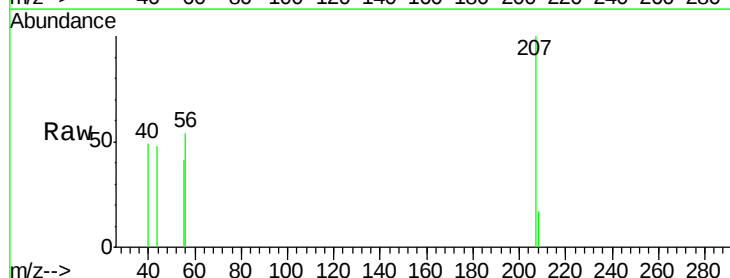
Time--> 4.80 4.90 5.00 5.10



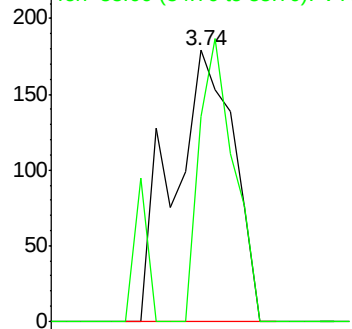
#13

Acrolein
 Concen: 1.013 ug/l
 RT: 3.74 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VY002964.D
 Acq: 22 Jun 2020 11:12

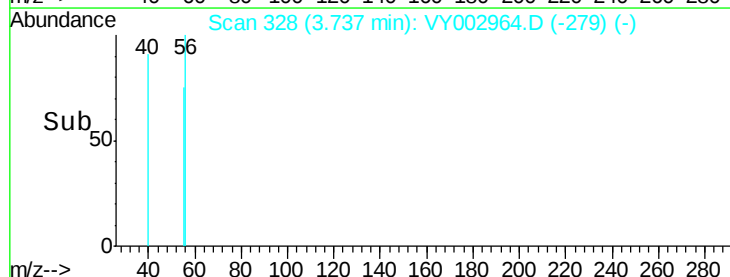
Tgt Ion: 56 Resp: 310
 Ion Ratio Lower Upper
 56 100
 55 60.0 55.3 82.9

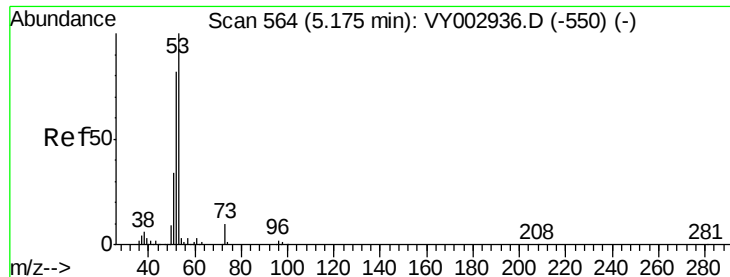


Abundance Ion 56.00 (55.70 to 56.70): VY0
 Ion 55.00 (54.70 to 55.70): VY0



Time--> 3.70 3.75





#15

Acrylonitrile

Concen: 1.617 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY002964.D

Acq: 22 Jun 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

VY0622SBL01

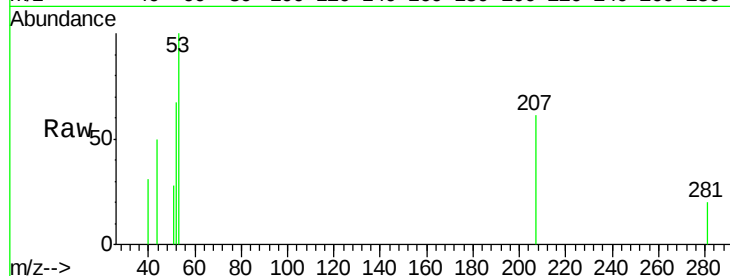
Tgt Ion: 53 Resp: 1440

Ion Ratio Lower Upper

53 100

52 81.7 65.7 98.5

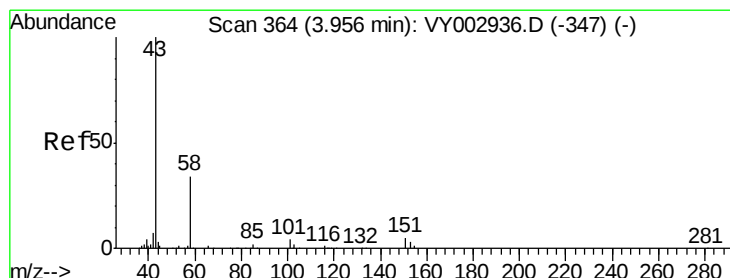
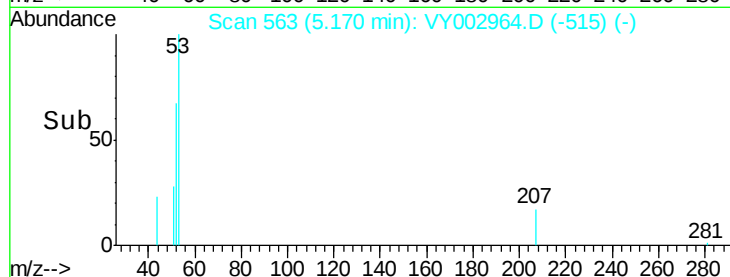
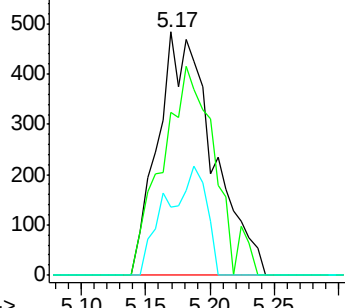
51 32.4 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 3.540 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY002964.D

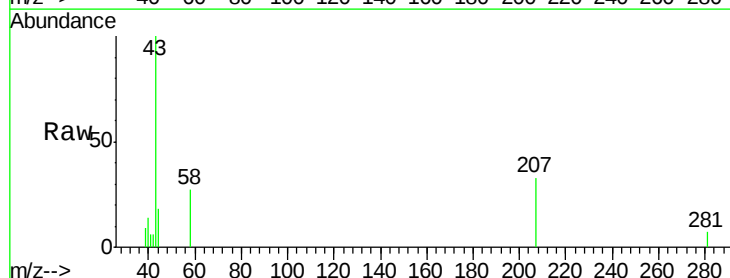
Acq: 22 Jun 2020 11:12

Tgt Ion: 43 Resp: 2670

Ion Ratio Lower Upper

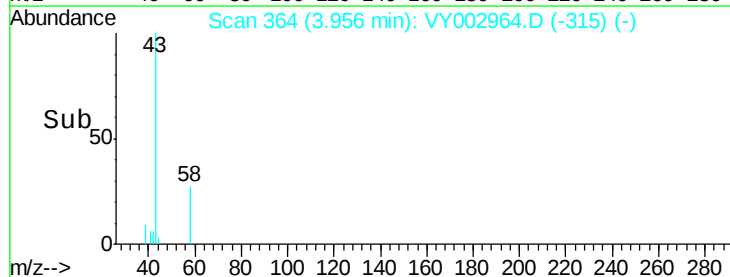
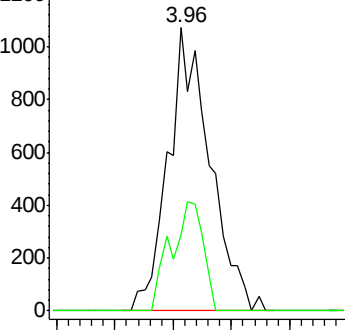
43 100

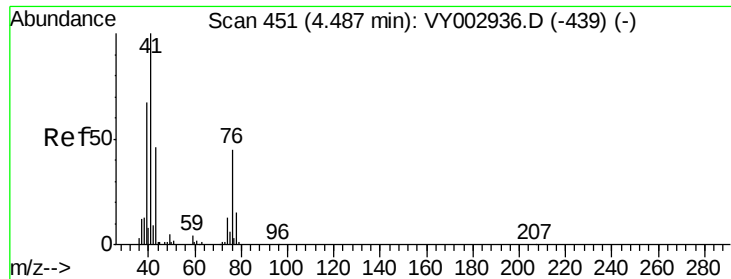
58 26.7 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

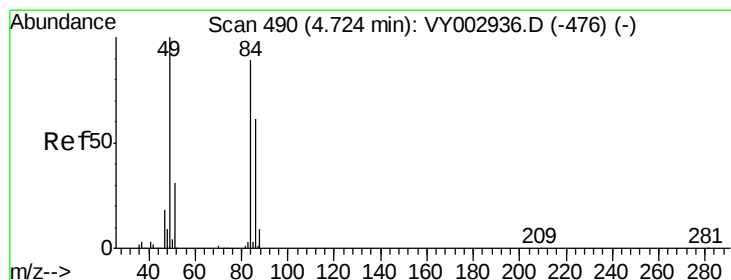
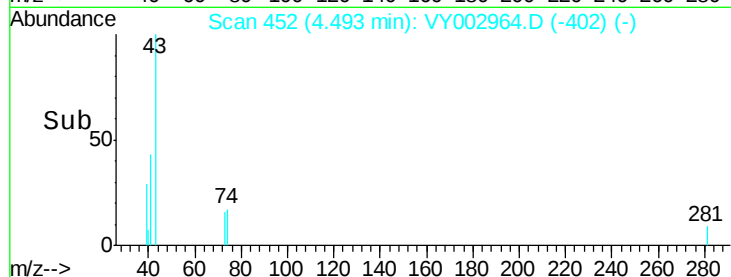
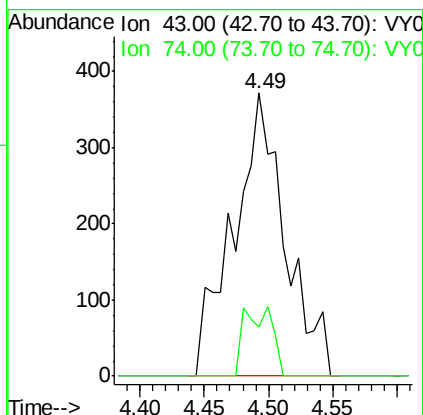
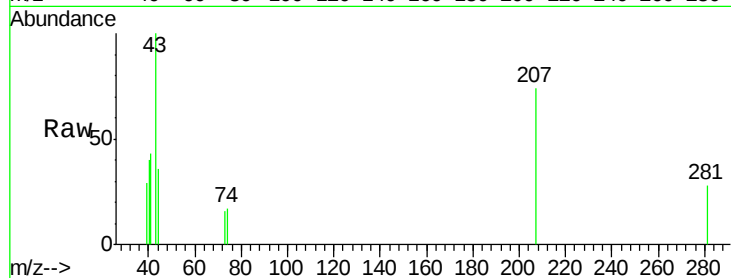




#18
Methyl Acetate
Concen: Below Cal
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY002964.D
Acq: 22 Jun 2020 11:12

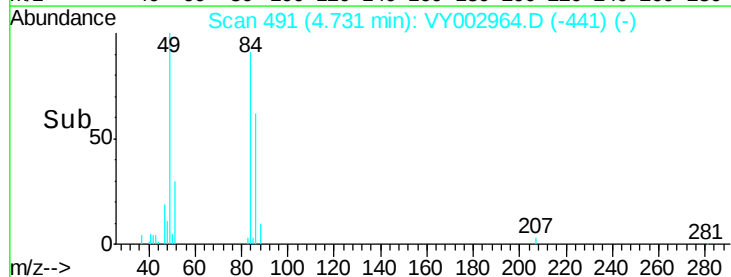
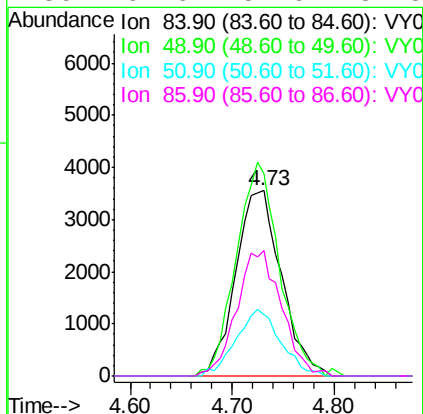
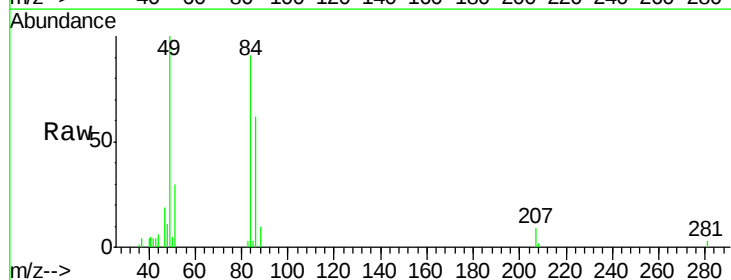
Instrument :
MSVOA_Y
ClientSampleId :
VY0622SBL01

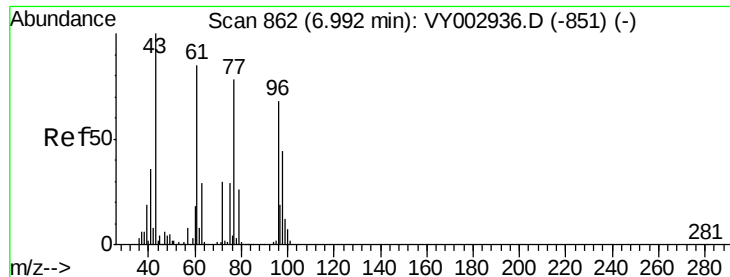
Tgt Ion: 43 Resp: 1038
Ion Ratio Lower Upper
43 100
74 13.1 21.1 31.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY002964.D
Acq: 22 Jun 2020 11:12

Tgt Ion: 84 Resp: 11079
Ion Ratio Lower Upper
84 100
49 109.5 90.0 135.0
51 33.1 27.9 41.9
86 67.6 54.6 81.8





#25

2-Butanone

Concen: 2.761 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY002964.D

Acq: 22 Jun 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

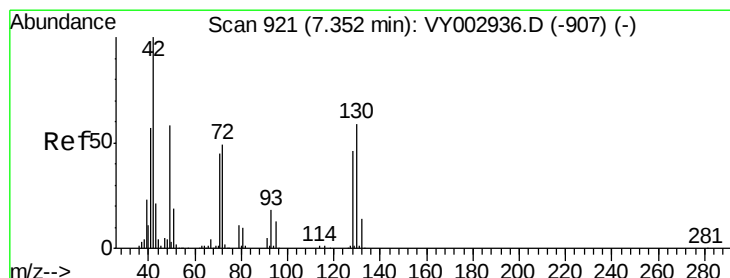
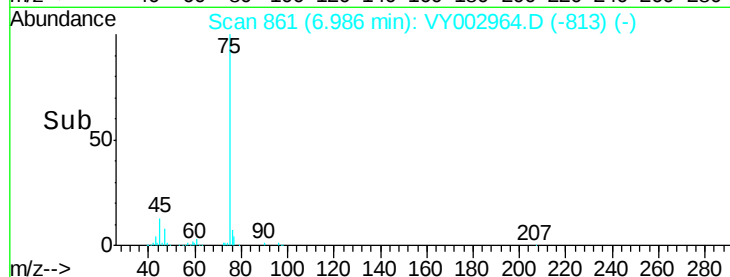
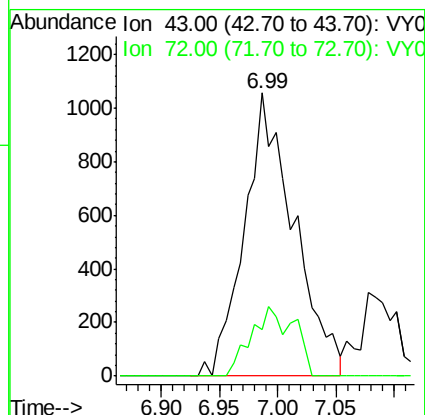
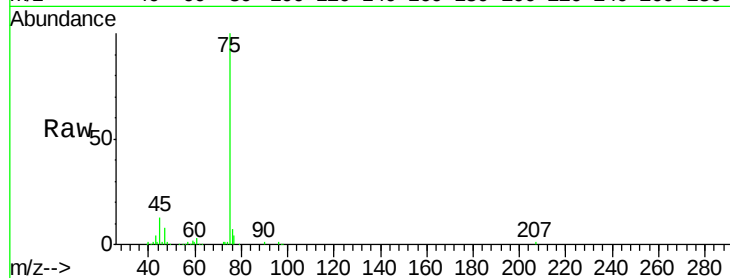
VY0622SBL01

Tgt Ion: 43 Resp: 3120

Ion Ratio Lower Upper

43 100

72 16.5 24.2 36.4#



#29

Tetrahydrofuran

Concen: 1.342 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY002964.D

Acq: 22 Jun 2020 11:12

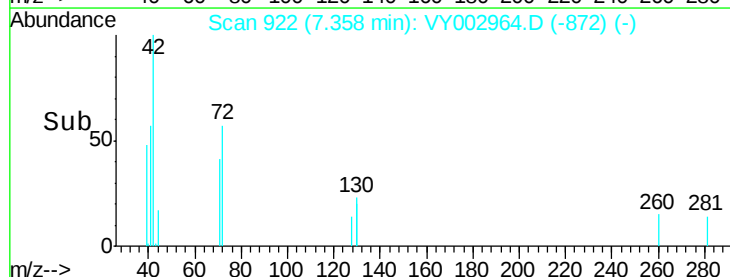
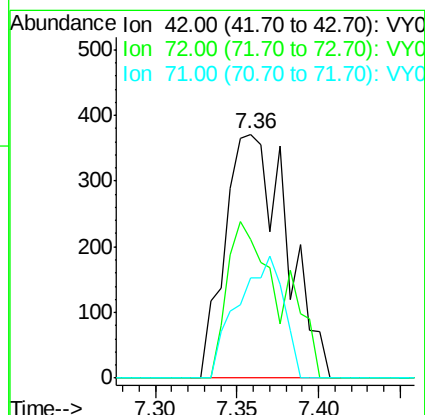
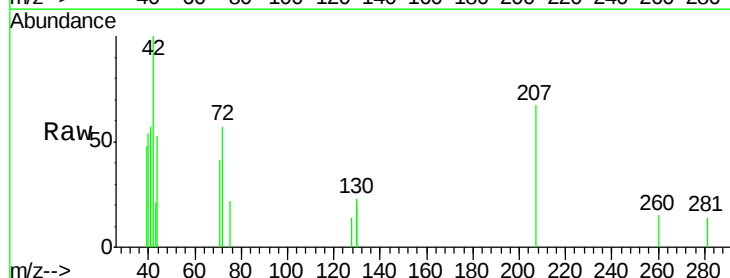
Tgt Ion: 42 Resp: 980

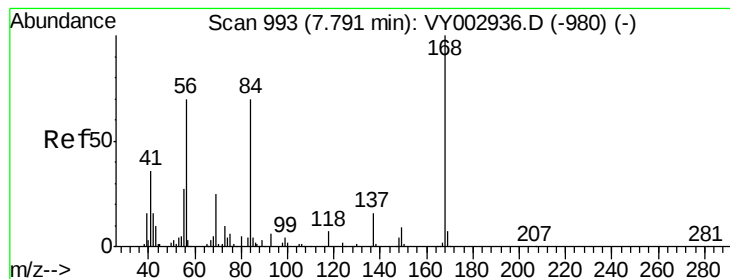
Ion Ratio Lower Upper

42 100

72 42.8 39.1 58.7

71 36.9 36.4 54.6





#31

Cyclohexane

Concen: 1.149 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY002964.D

Acq: 22 Jun 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

VY0622SBL01

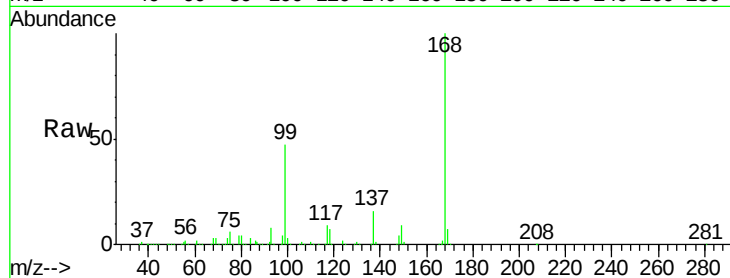
Tgt Ion: 56 Resp: 6007

Ion Ratio Lower Upper

56 100

69 163.3 28.9 43.3#

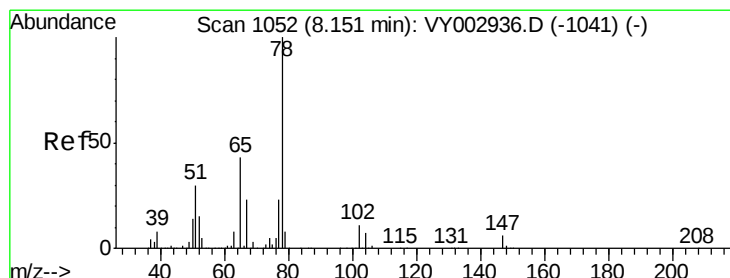
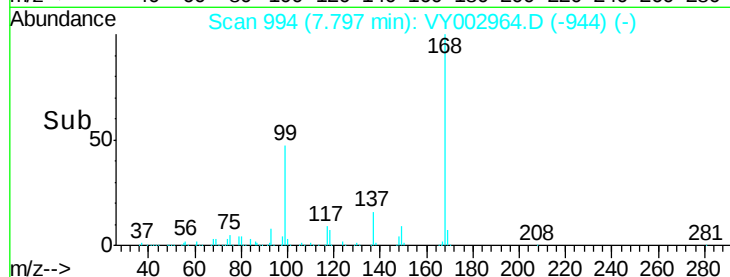
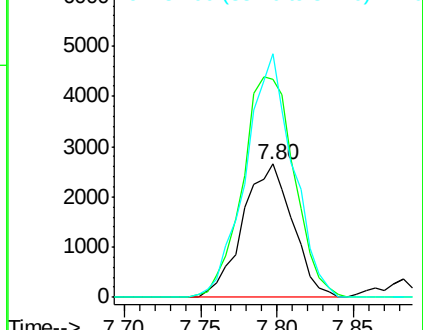
84 182.9 80.1 120.1#



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: 53.207 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY002964.D

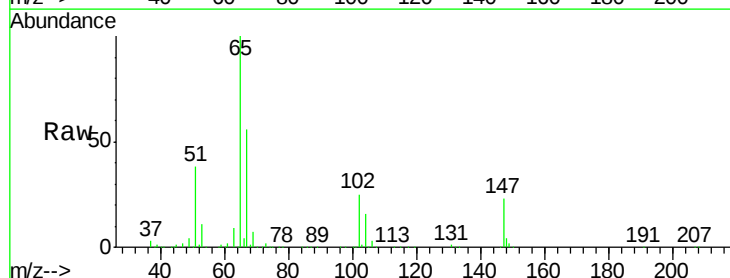
Acq: 22 Jun 2020 11:12

Tgt Ion: 65 Resp: 162022

Ion Ratio Lower Upper

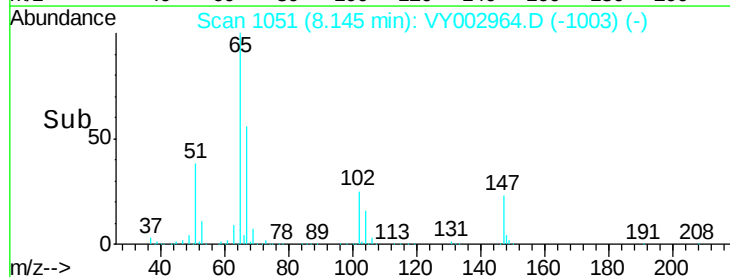
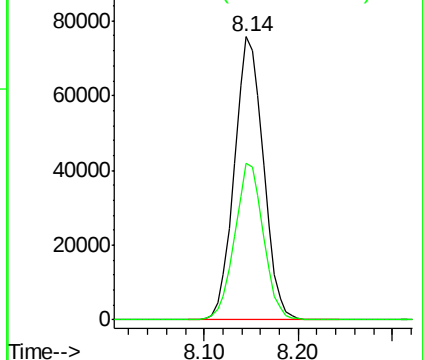
65 100

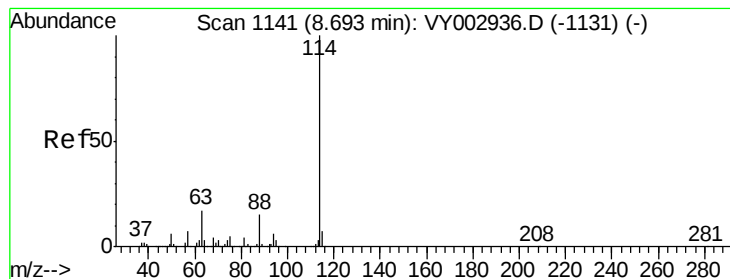
67 55.0 0.0 109.4



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: VY002964.D

Acq: 22 Jun 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

VY0622SBL01

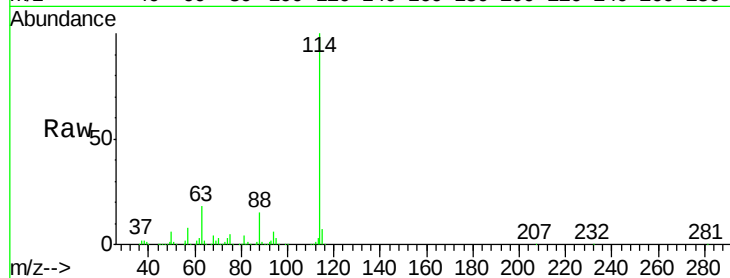
Tgt Ion:114 Resp: 544980

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.6

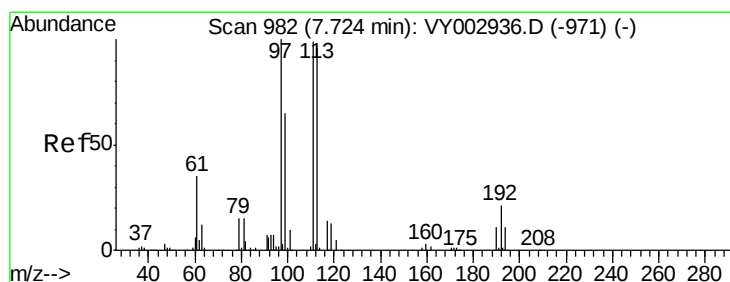
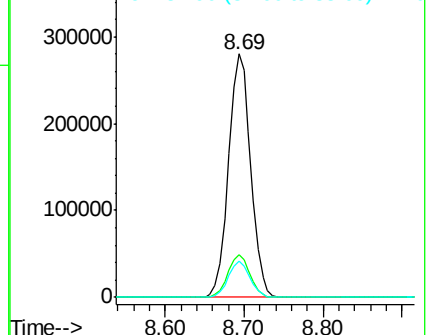
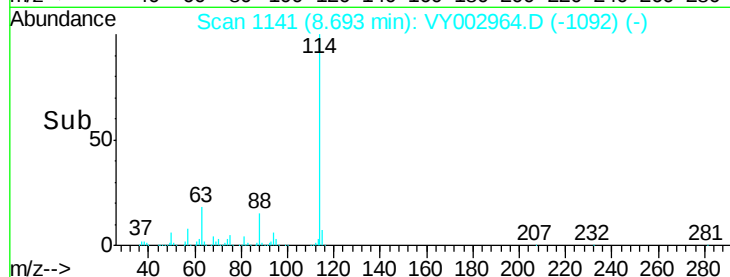
88 15.0 0.0 29.2



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: 54.370 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY002964.D

Acq: 22 Jun 2020 11:12

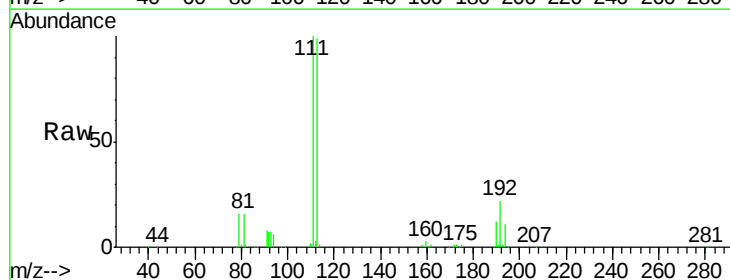
Tgt Ion:113 Resp: 167658

Ion Ratio Lower Upper

113 100

111 102.0 81.5 122.3

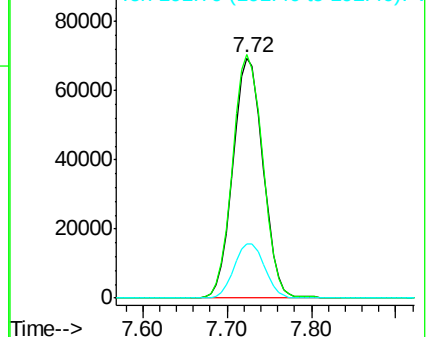
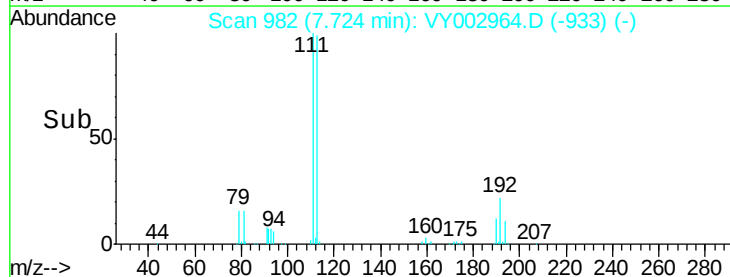
192 23.1 19.2 28.8

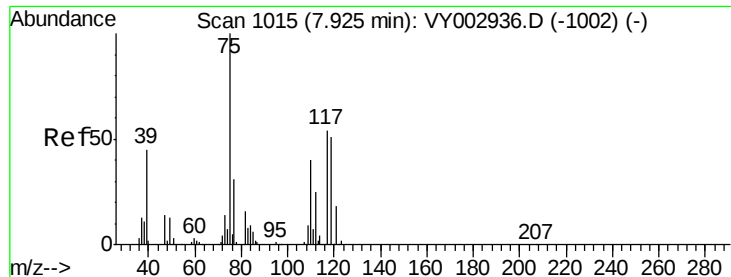


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

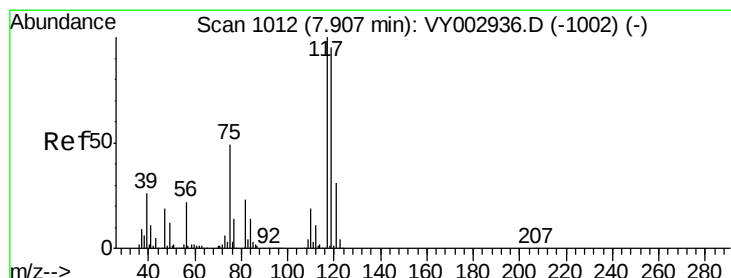
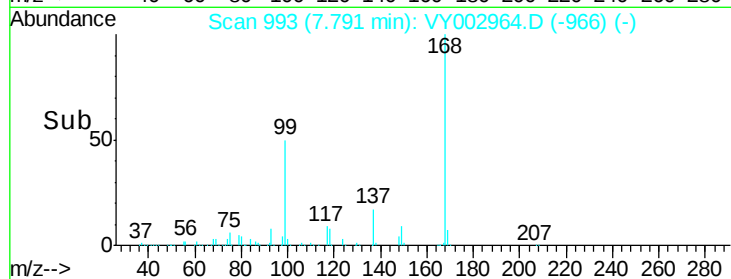
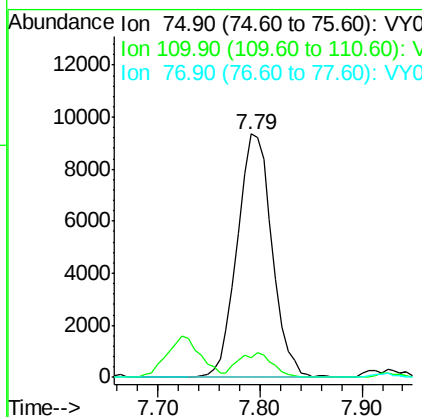
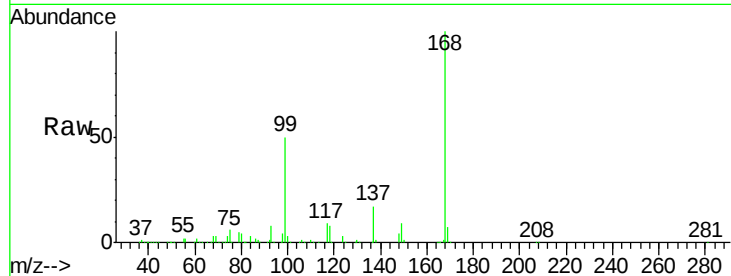




#36
 1,1-Dichloropropene
 Concen: 5.009 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY002964.D
 Acq: 22 Jun 2020 11:12

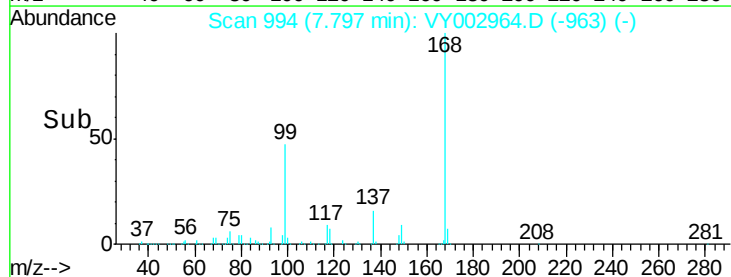
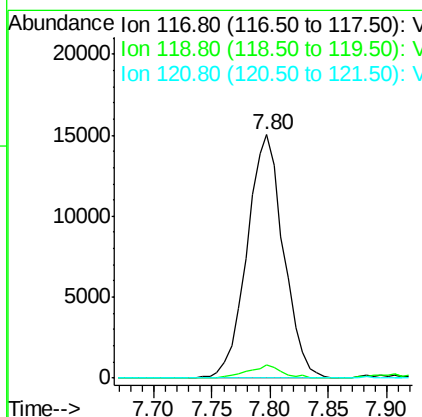
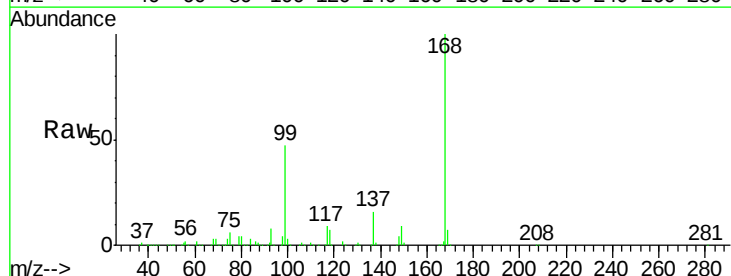
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0622SBL01

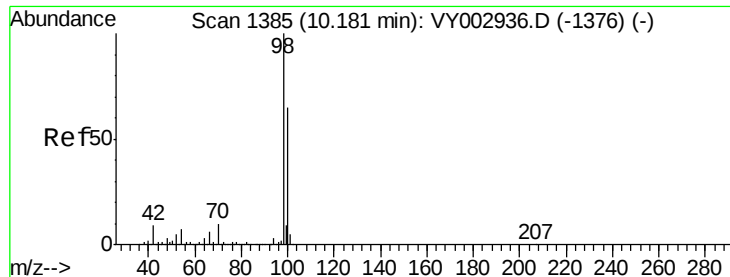
Tgt Ion: 75 Resp: 22169
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.7 59.0#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.688 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY002964.D
 Acq: 22 Jun 2020 11:12

Tgt Ion: 117 Resp: 32622
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.1 114.1#
 121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 53.631 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002964.D

Acq: 22 Jun 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

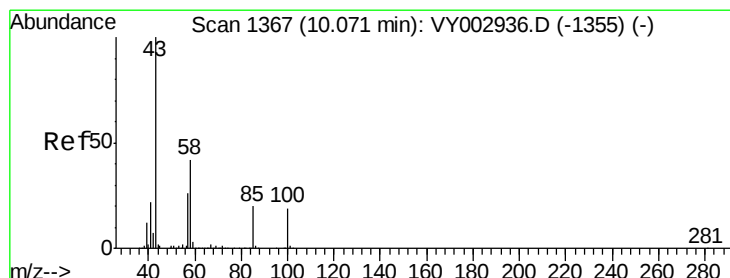
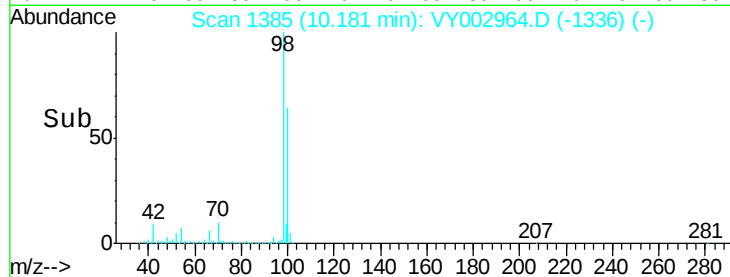
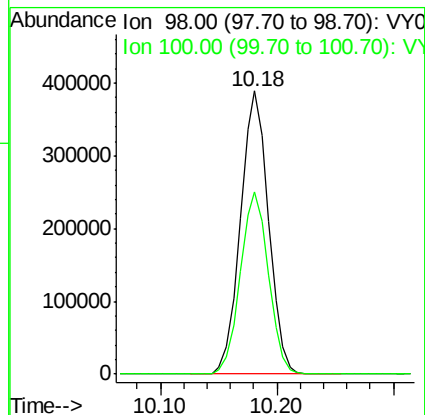
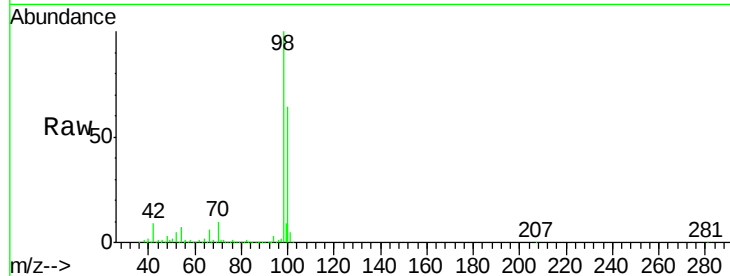
VY0622SBL01

Tgt Ion: 98 Resp: 652069

Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 1.073 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY002964.D

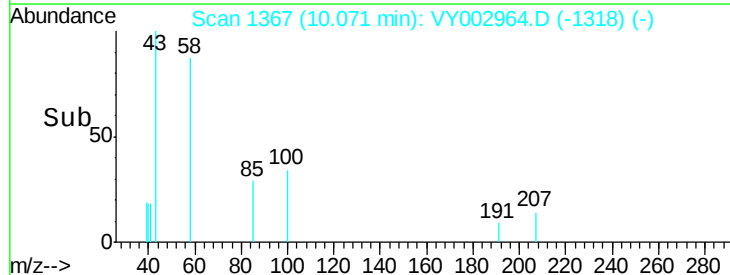
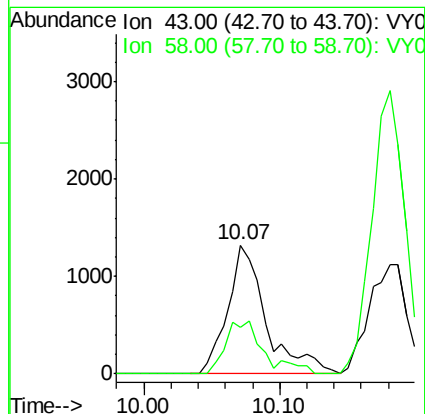
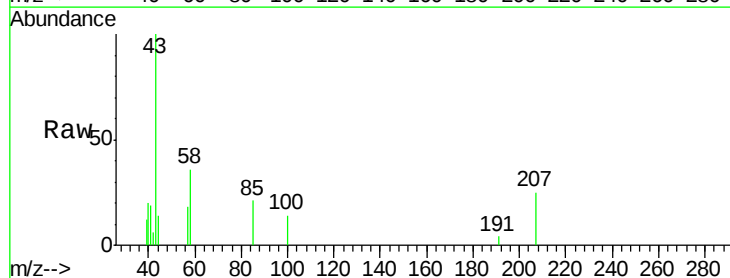
Acq: 22 Jun 2020 11:12

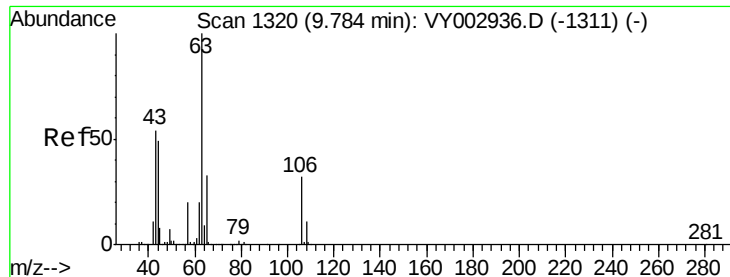
Tgt Ion: 43 Resp: 2603

Ion Ratio Lower Upper

43 100

58 41.1 33.9 50.9

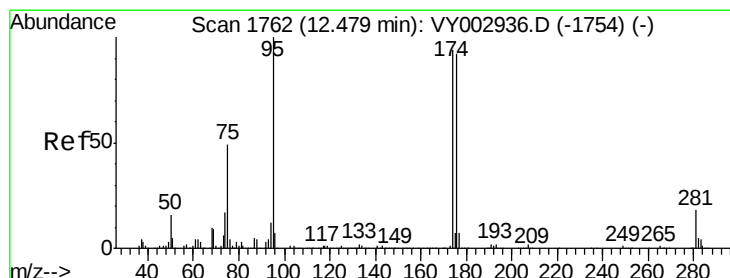
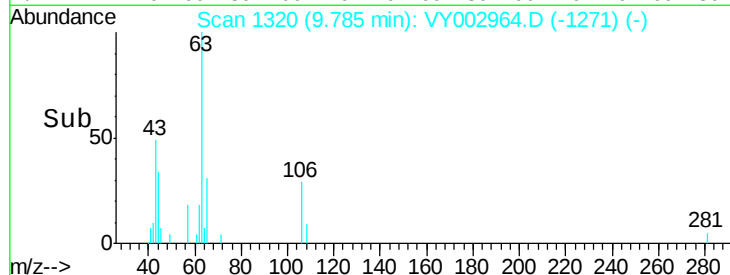
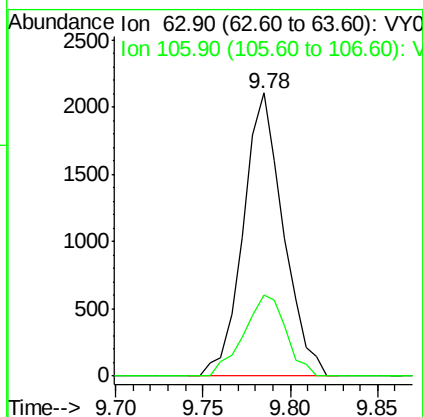
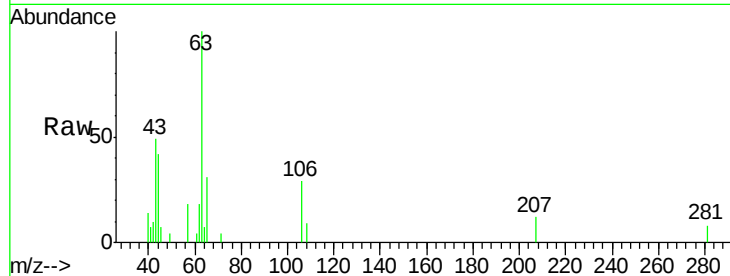




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.774 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY002964.D
 Acq: 22 Jun 2020 11:12

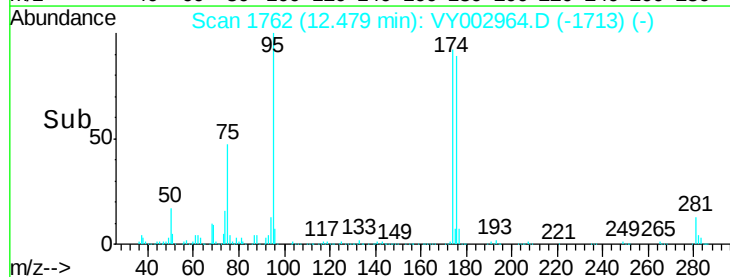
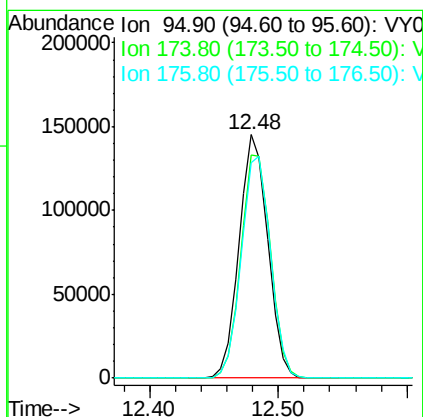
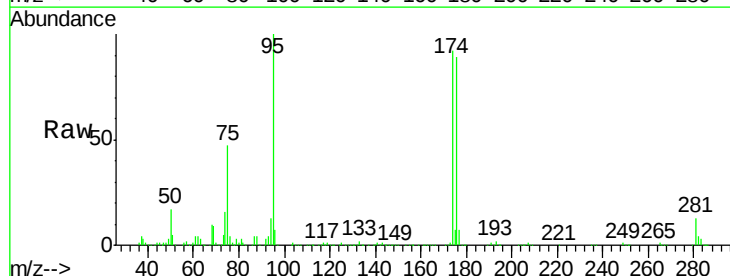
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0622SBL01

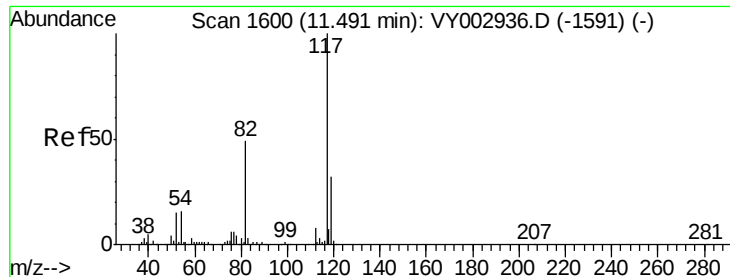
Tgt Ion: 63 Resp: 3361
 Ion Ratio Lower Upper
 63 100
 106 29.8 25.6 38.4



#62
 4-Bromofluorobenzene
 Concen: 52.888 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY002964.D
 Acq: 22 Jun 2020 11:12

Tgt Ion: 95 Resp: 223057
 Ion Ratio Lower Upper
 95 100
 174 94.6 0.0 191.2
 176 92.6 0.0 186.0

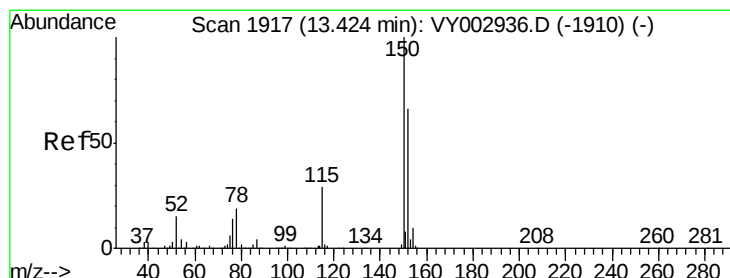
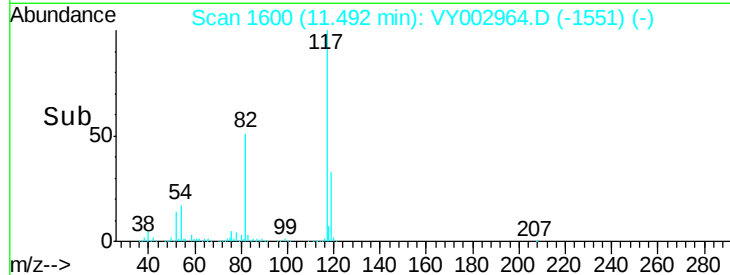
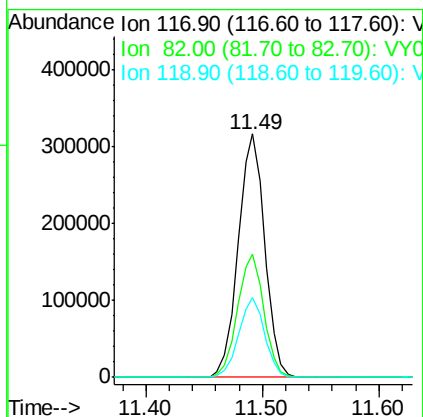
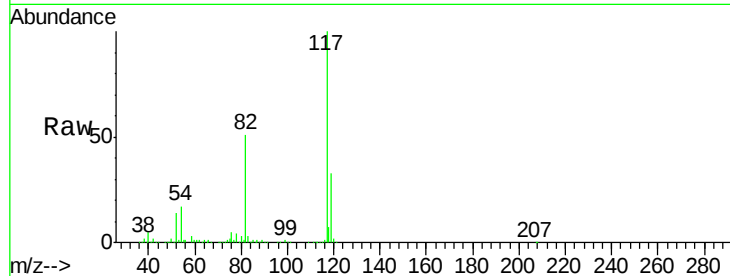




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VY002964.D
 Acq: 22 Jun 2020 11:12

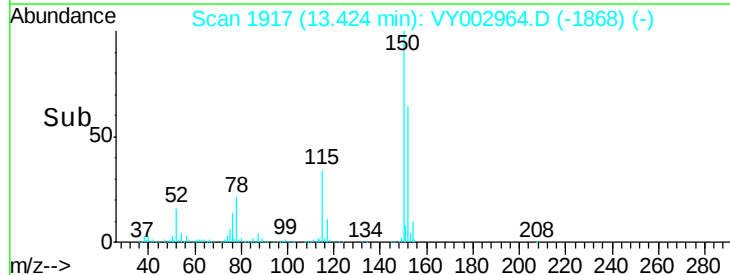
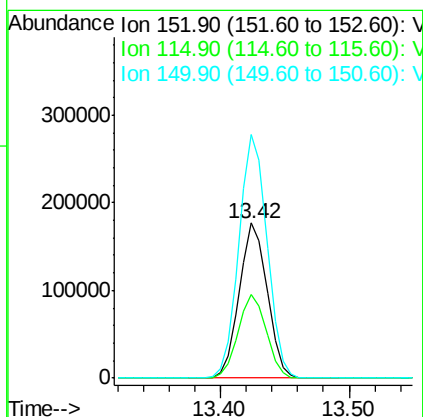
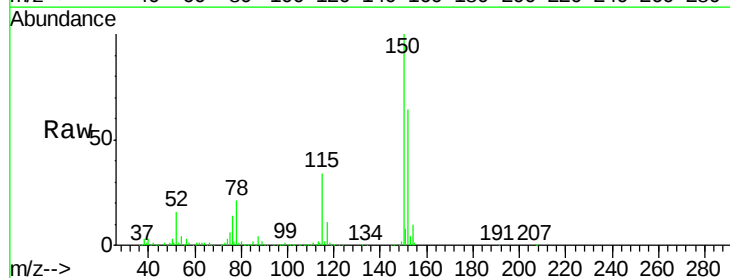
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0622SBL01

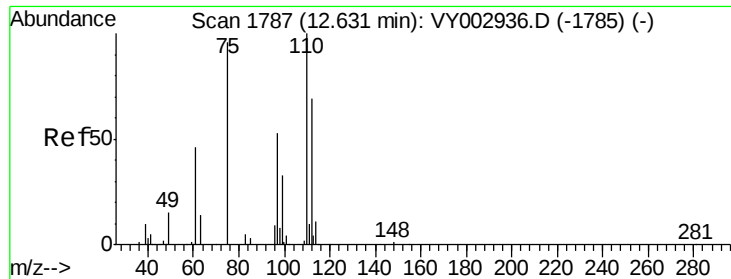
Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.6	39.4	59.0
119	32.5	25.4	38.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.42 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VY002964.D
 Acq: 22 Jun 2020 11:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	26.9	80.6
150	157.8	0.0	341.8





#76

1,2,3-Trichloropropane

Concen: 45.593 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002964.D

Acq: 22 Jun 2020 11:12

Instrument :

MSVOA_Y

ClientSampleId :

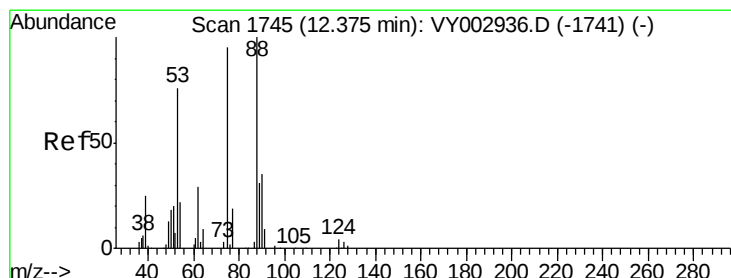
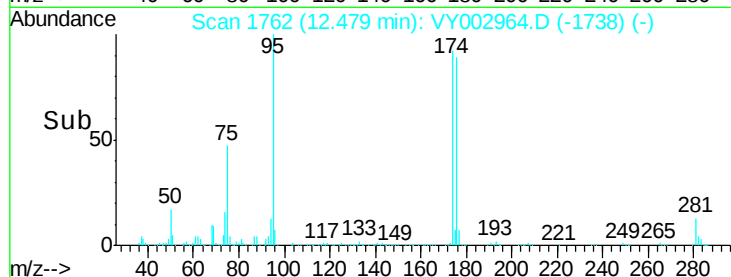
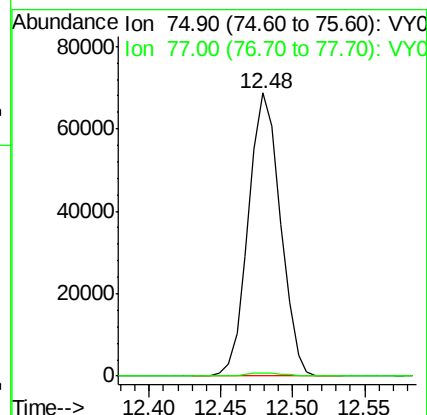
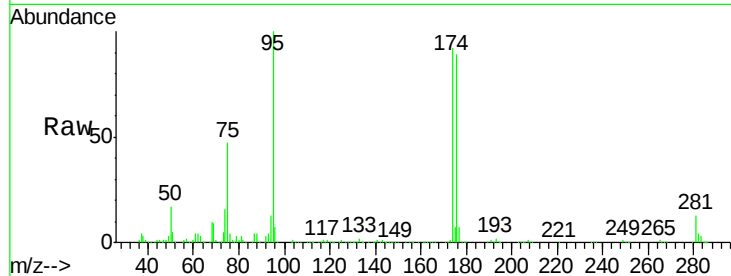
VY0622SBL01

Tgt Ion: 75 Resp: 105545

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.046 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002964.D

Acq: 22 Jun 2020 11:12

Tgt Ion: 75 Resp: 105545

Ion Ratio Lower Upper

75 100

53 0.0 65.1 97.7#

89 0.3 38.4 57.6#

