

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002545.D
 Acq On : 04 May 2020 16:47
 Operator : SY/MD
 Sample : L2468-01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

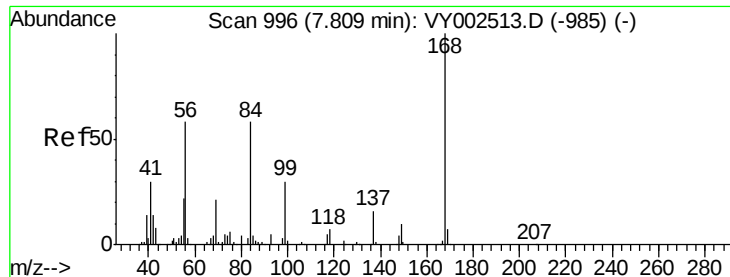
Quant Time: May 05 07:08:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	304726	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	496229	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	459186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	234199	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	166107	64.83	ug/l	-0.01
Spiked Amount			Recovery	=	129.66%	
35) Dibromofluoromethane	7.72	113	155788	54.89	ug/l	-0.01
Spiked Amount			Recovery	=	109.78%	
50) Toluene-d8	10.18	98	581809	52.50	ug/l	-0.01
Spiked Amount			Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.48	95	202517	53.85	ug/l	-0.01
Spiked Amount			Recovery	=	107.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	241	1.877	ug/l #	35
3) Chloromethane	2.12	50	2786	1.128	ug/l	93
11) Tert butyl alcohol	4.96	59	2562	9.719	ug/l #	80
16) Acetone	3.96	43	7548	14.274	ug/l	93
20) Methylene Chloride	4.73	84	10552	3.568	ug/l	90
25) 2-Butanone	6.99	43	3293	3.804	ug/l #	80
31) Cyclohexane	7.79	56	5523	1.199	ug/l #	2
36) 1,1-Dichloropropene	7.80	75	19544	4.698	ug/l #	49
38) Carbon Tetrachloride	7.79	117	27282	6.007	ug/l #	16
51) 4-Methyl-2-Pentanone	10.07	43	4790	2.319	ug/l	98
74) N-amyl acetate	12.12	43	4734	1.297	ug/l #	49
76) 1,2,3-Trichloropropane	12.48	75	100963	48.511	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	100963	97.273	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002545.D

Acq: 04 May 2020 16:47

Instrument :

MSVOA_Y

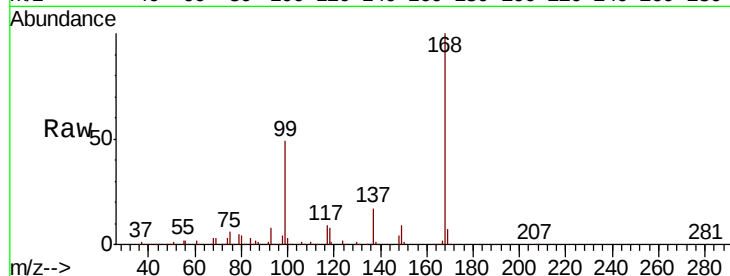
ClientSampleId :

Tot Ion:168 Resp: 304726

Ion Ratio Lower Upper

168 100

99 48.7 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

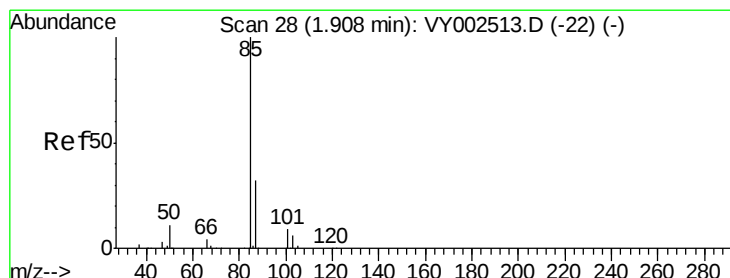
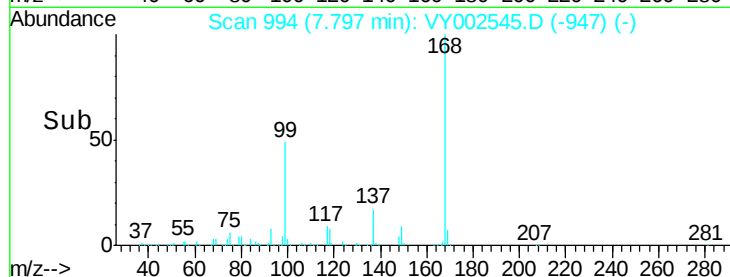
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.877 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002545.D

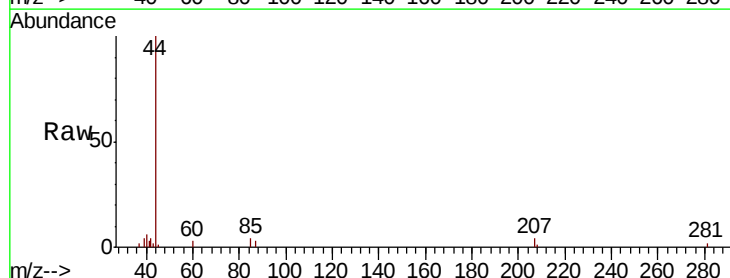
Acq: 04 May 2020 16:47

Tgt Ion: 85 Resp: 241

Ion Ratio Lower Upper

85 100

87 67.6 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

250

200

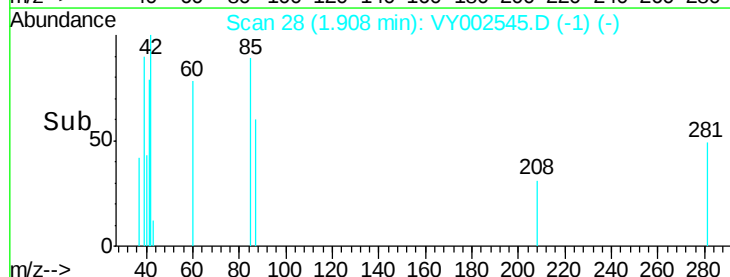
150

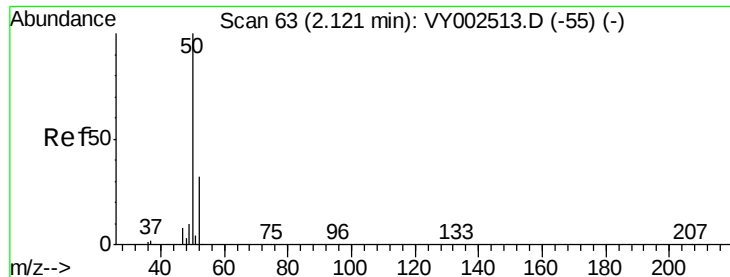
100

50

0

Time-->





#3

Chloromethane

Concen: 1.128 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY002545.D

Acq: 04 May 2020 16:47

Instrument :

MSVOA_Y

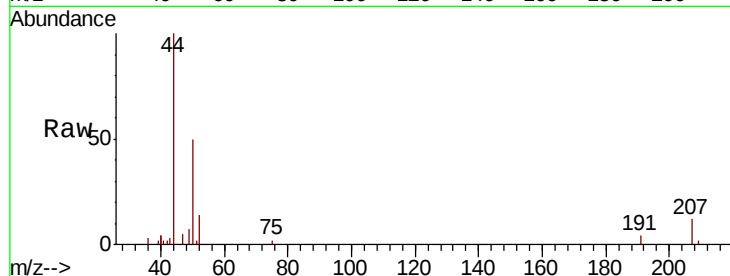
ClientSampleId :

Tot Ion: 50 Resp: 2786

Ion Ratio Lower Upper

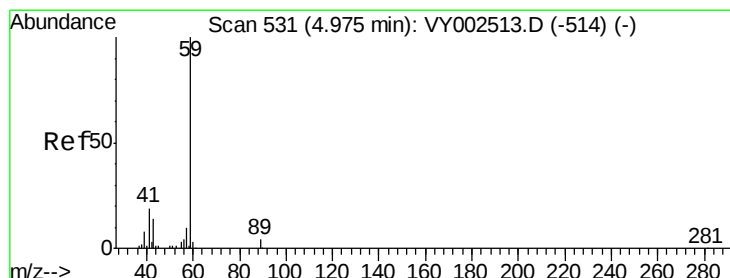
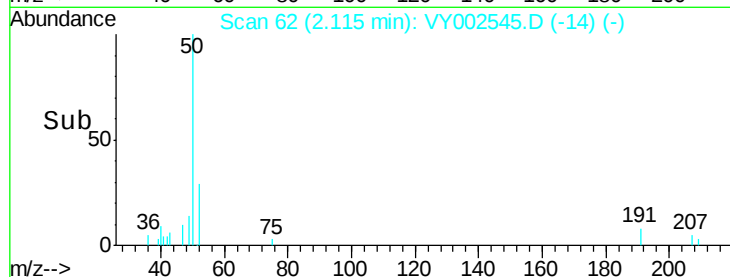
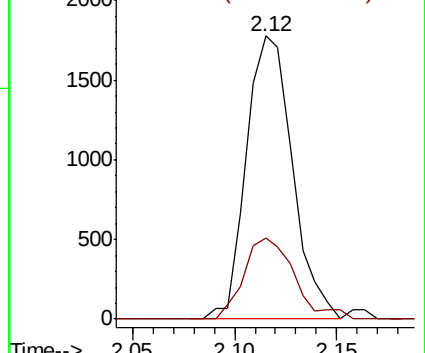
50 100

52 28.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#11

Tert butyl alcohol

Concen: 9.719 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002545.D

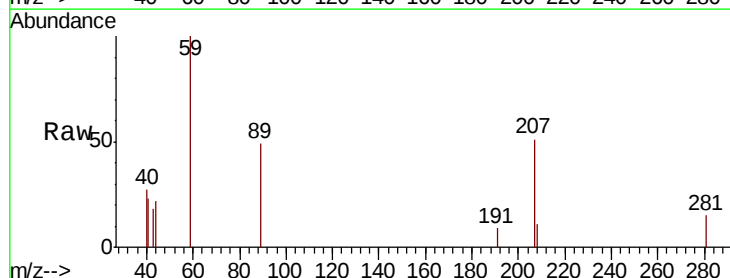
Acq: 04 May 2020 16:47

Tgt Ion: 59 Resp: 2562

Ion Ratio Lower Upper

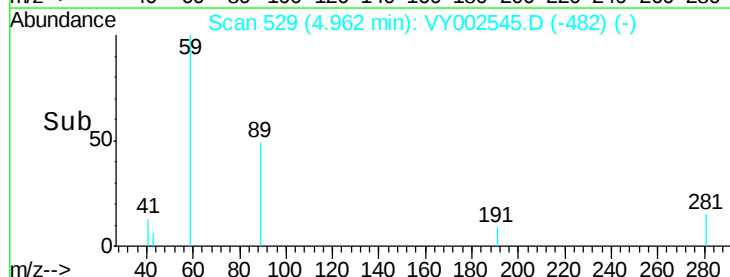
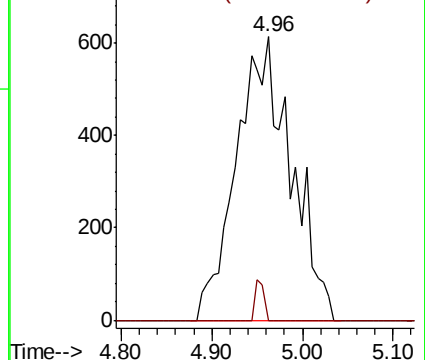
59 100

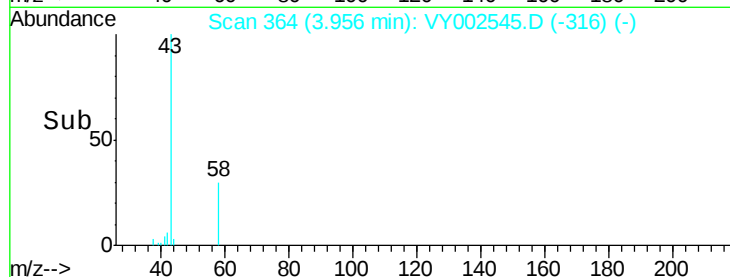
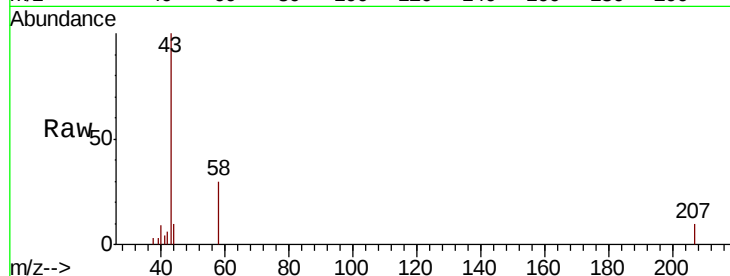
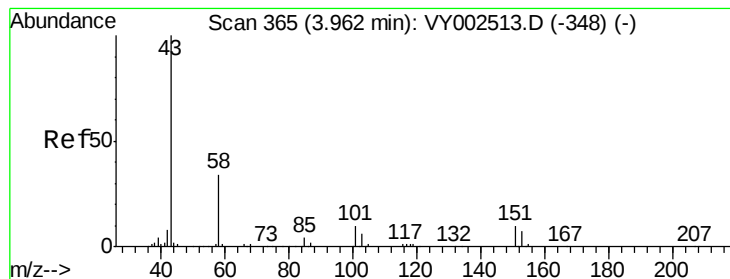
57 2.3 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 14.274 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VY002545.D

Acq: 04 May 2020 16:47

Tot Ion: 43 Resp: 7548

Ion Ratio Lower Upper

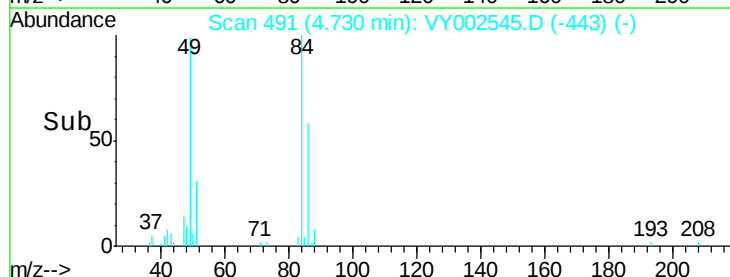
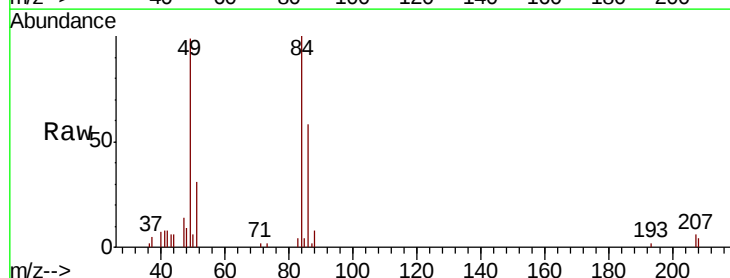
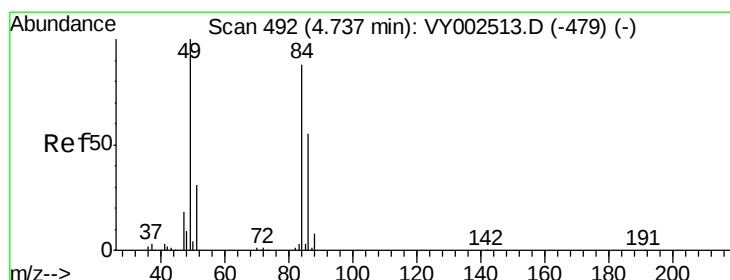
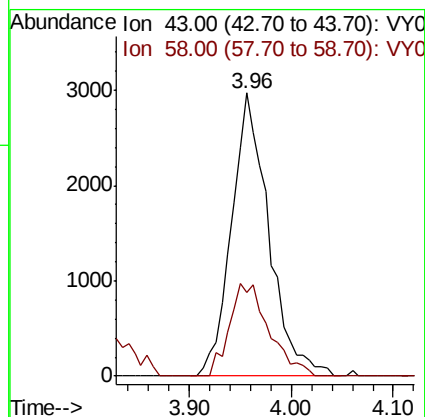
43 100

58 29.6 26.9 40.3

Instrument :

MSVOA_Y

ClientSampleId :



#20

Methylene Chloride

Concen: 3.568 ug/l

RT: 4.73 min Scan# 491

Delta R.T. -0.01 min

Lab File: VY002545.D

Acq: 04 May 2020 16:47

Tgt Ion: 84 Resp: 10552

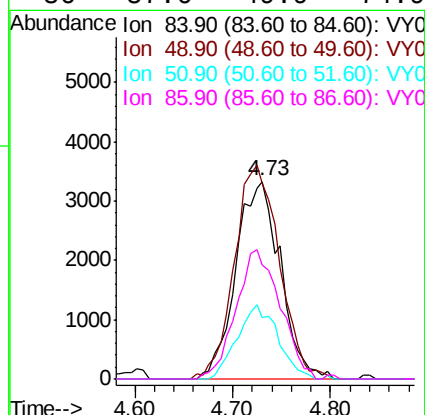
Ion Ratio Lower Upper

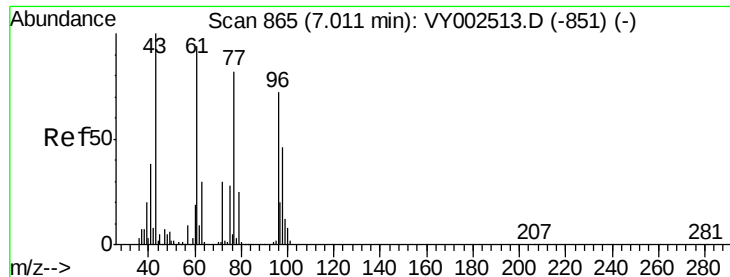
84 100

49 99.1 90.5 135.7

51 31.3 28.3 42.5

86 57.6 49.9 74.9

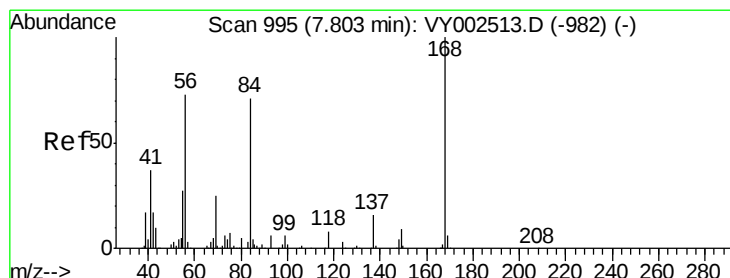
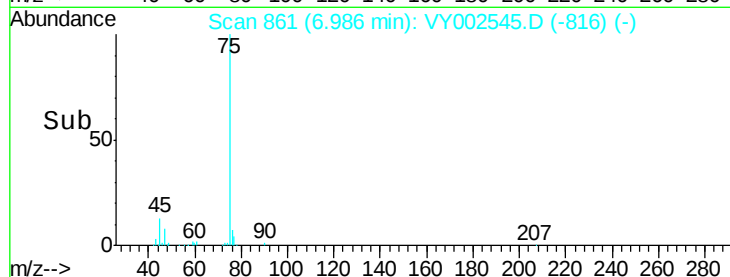
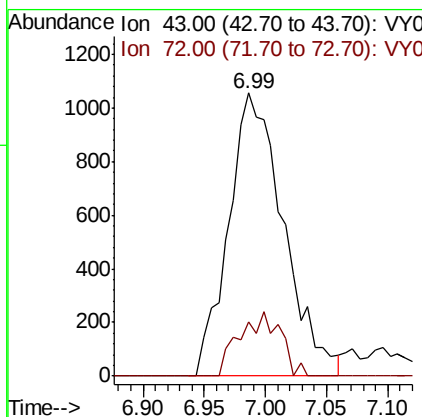
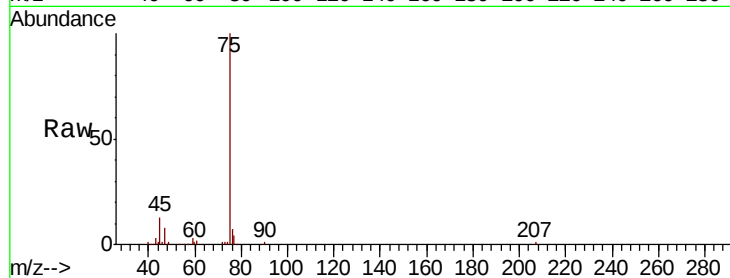




#25
2-Butanone
Concen: 3.804 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.02 min
Lab File: VY002545.D
Acq: 04 May 2020 16:47

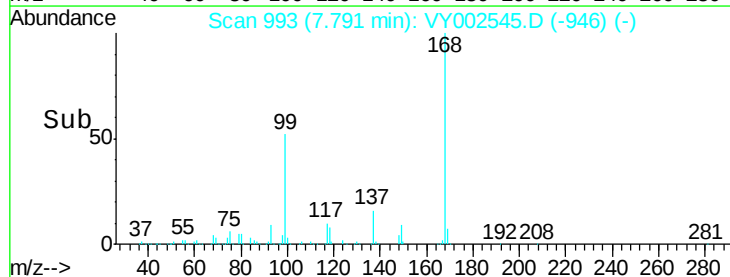
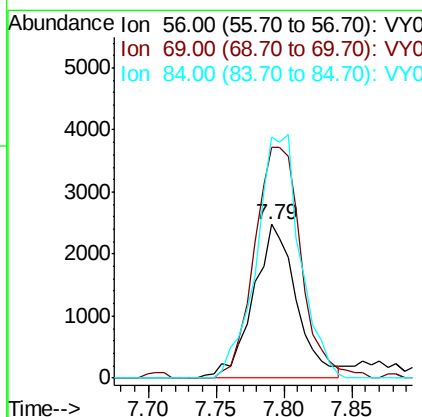
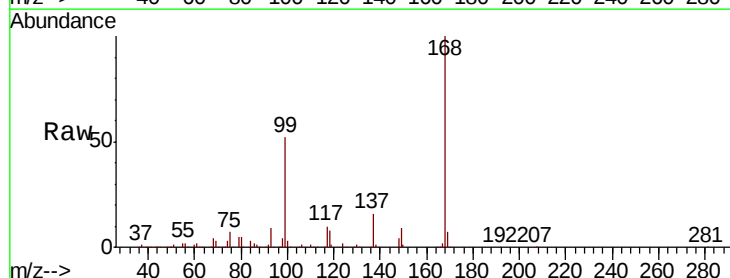
Instrument :
MSVOA_Y
ClientSampleId :

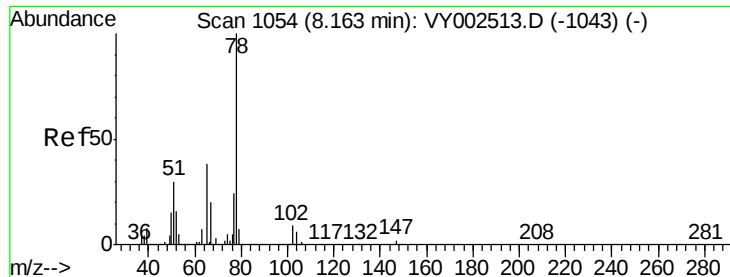
Tot Ion: 43 Resp: 3293
Ion Ratio Lower Upper
43 100
72 19.1 24.1 36.1#



#31
Cyclohexane
Concen: 1.199 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.01 min
Lab File: VY002545.D
Acq: 04 May 2020 16:47

Tgt Ion: 56 Resp: 5523
Ion Ratio Lower Upper
56 100
69 150.5 27.6 41.4#
84 157.2 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 64.830 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002545.D

Acq: 04 May 2020 16:47

Instrument :

MSVOA_Y

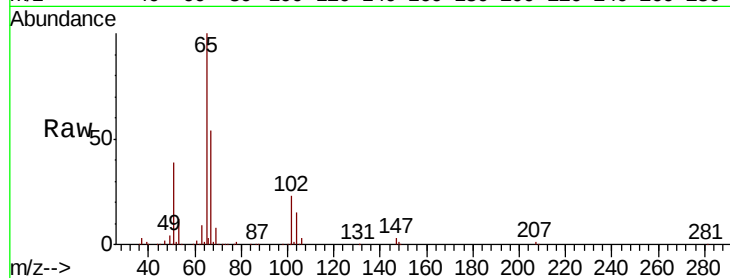
ClientSampleId :

Tot Ion: 65 Resp: 166107

Ion Ratio Lower Upper

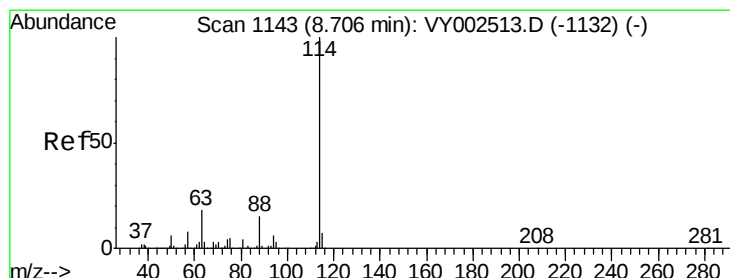
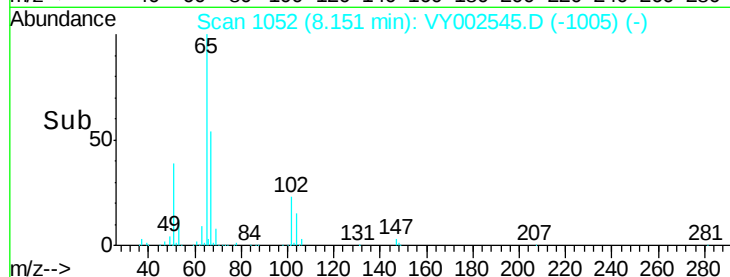
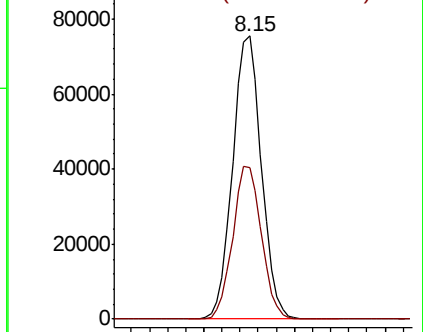
65 100

67 53.9 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: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY002545.D

Acq: 04 May 2020 16:47

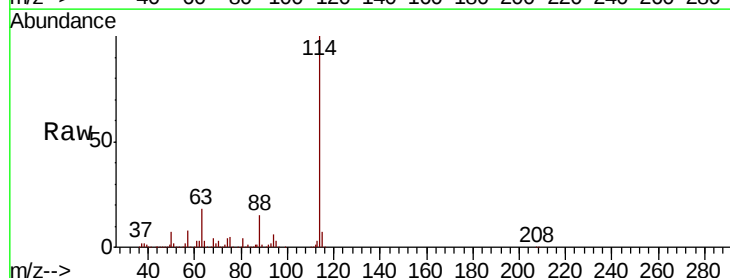
Tgt Ion: 114 Resp: 496229

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.4

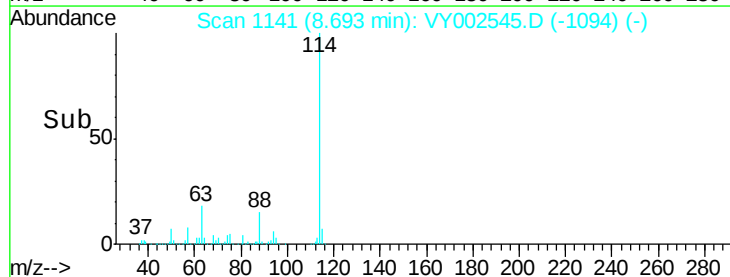
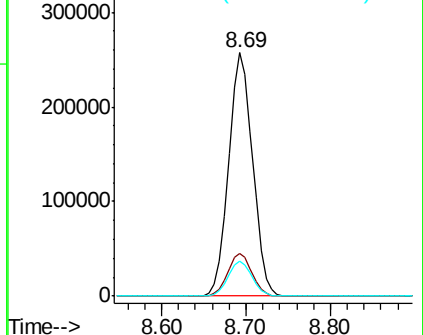
88 14.6 0.0 29.6

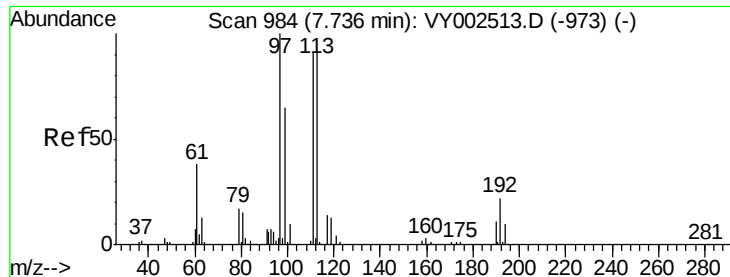


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

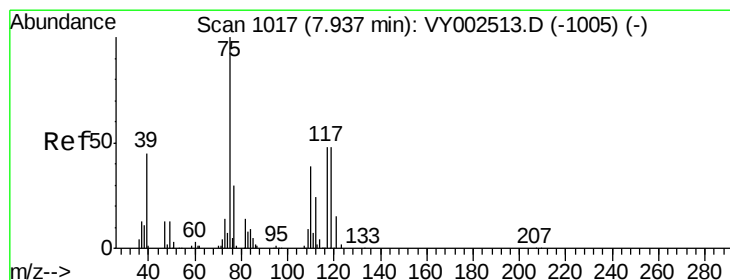
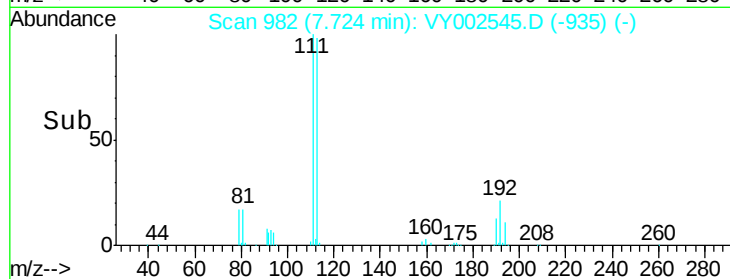
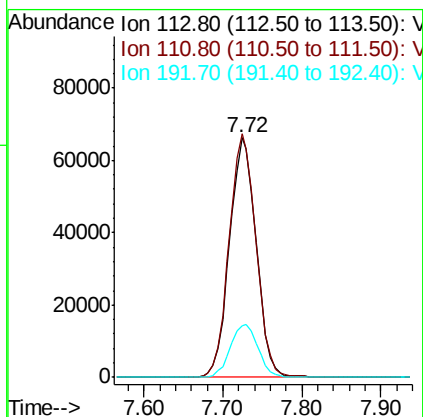
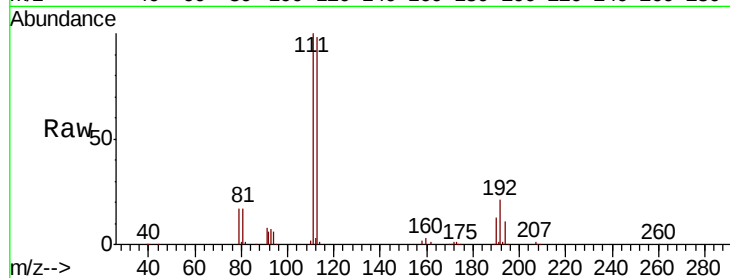




#35
 Dibromofluoromethane
 Concen: 54.895 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002545.D
 Acq: 04 May 2020 16:47

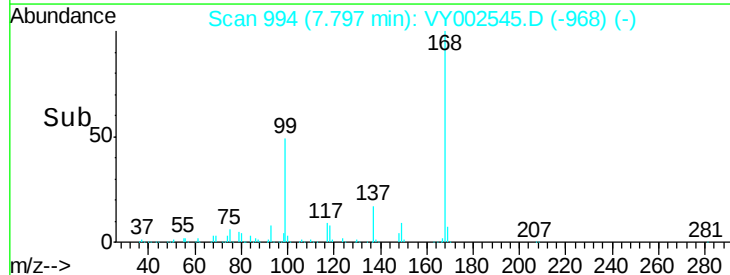
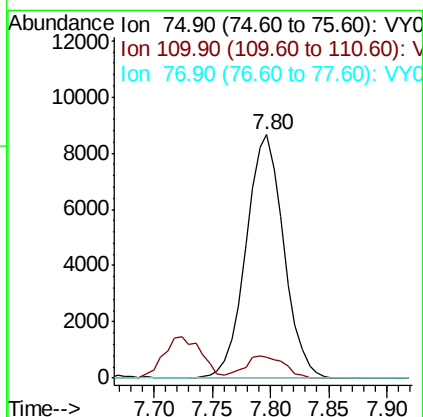
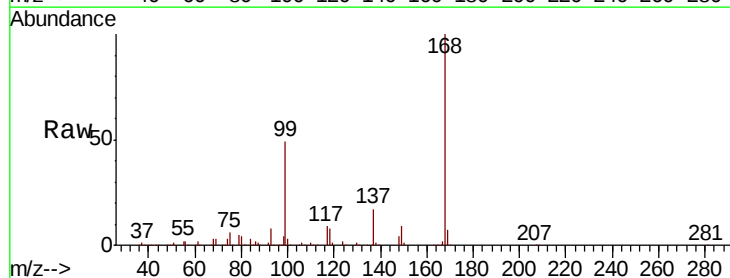
Instrument :
 MSVOA_Y
 ClientSampleId :

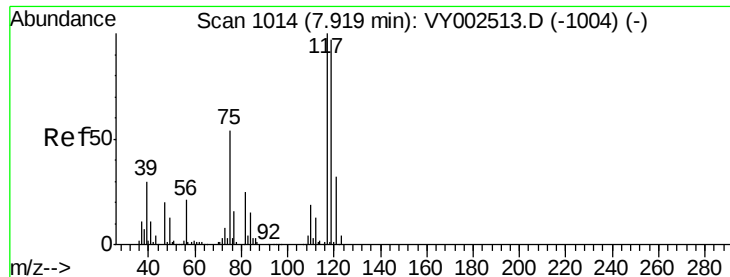
Tot Ion:113 Resp: 155788
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.8 122.6
 192 22.9 18.2 27.4



#36
 1,1-Dichloropropene
 Concen: 4.698 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002545.D
 Acq: 04 May 2020 16:47

Tgt Ion: 75 Resp: 19544
 Ion Ratio Lower Upper
 75 100
 110 9.6 19.1 57.3#
 77 0.0 24.6 37.0#

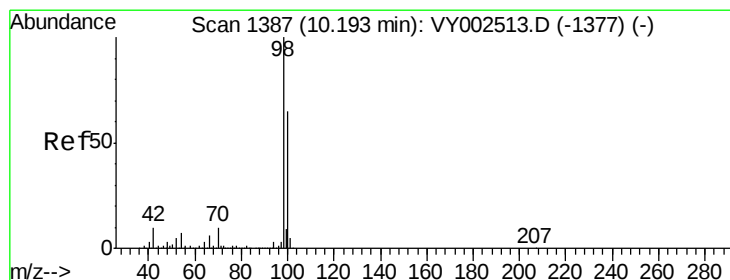
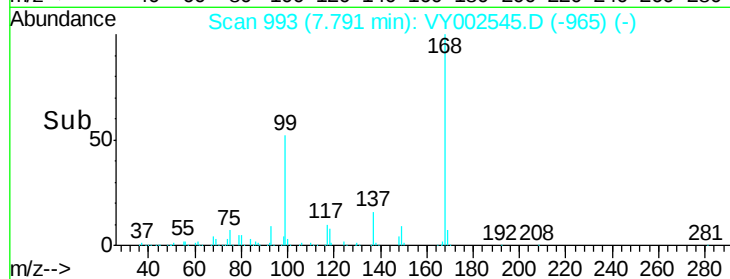
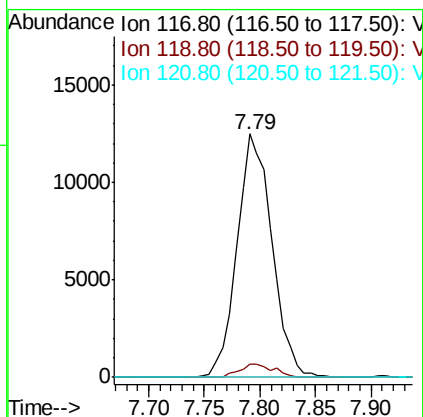
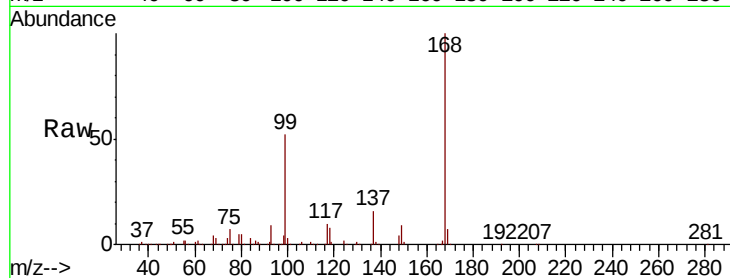




#38
Carbon Tetrachloride
Concen: 6.007 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.13 min
Lab File: VY002545.D
Acq: 04 May 2020 16:47

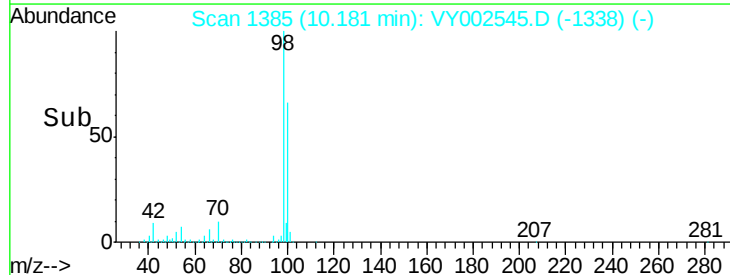
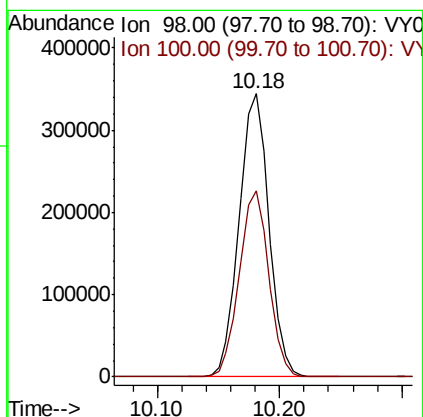
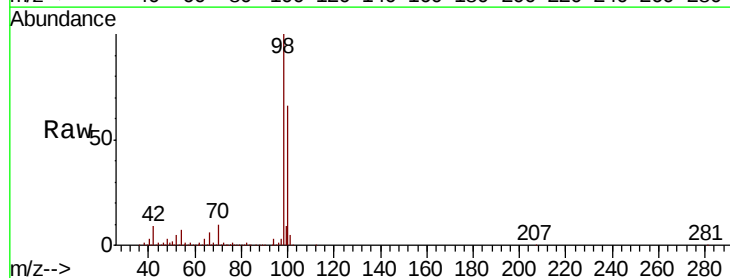
Instrument :
MSVOA_Y
ClientSampleId :

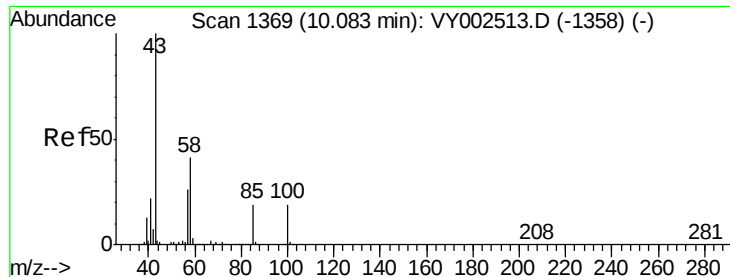
Tot Ion:117 Resp: 27282
Ion Ratio Lower Upper
117 100
119 5.5 77.1 115.7#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 52.498 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002545.D
Acq: 04 May 2020 16:47

Tgt Ion: 98 Resp: 581809
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 2.319 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY002545.D

Acq: 04 May 2020 16:47

Instrument :

MSVOA_Y

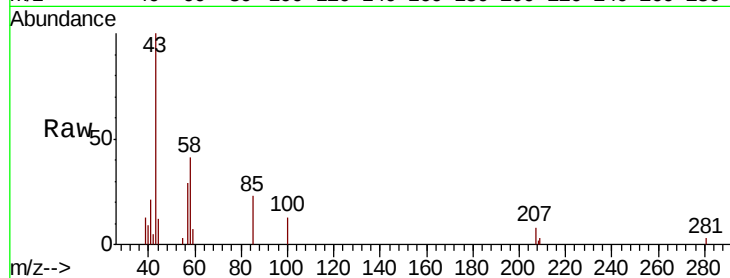
ClientSampleId :

Tot Ion: 43 Resp: 4790

Ion Ratio Lower Upper

43 100

58 40.0 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.07

2500

2000

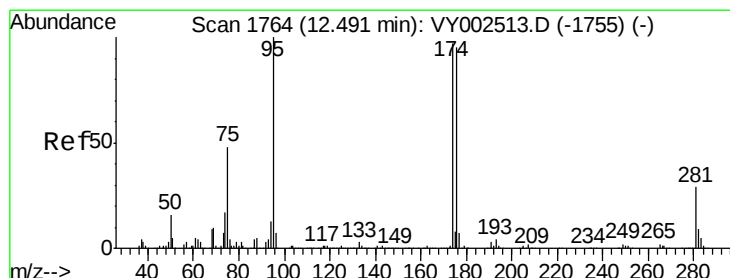
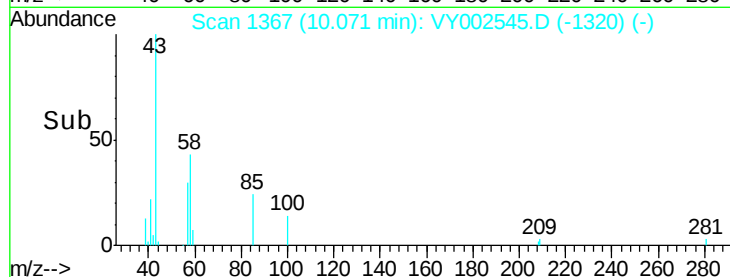
1500

1000

500

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.852 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002545.D

Acq: 04 May 2020 16:47

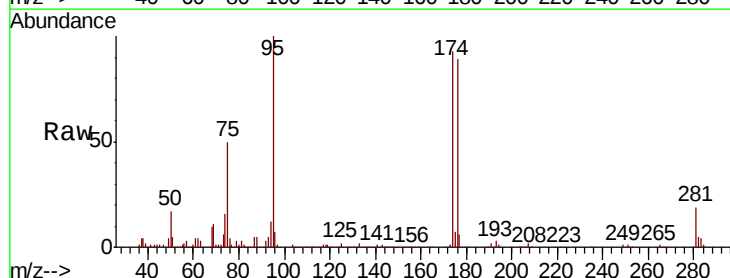
Tgt Ion: 95 Resp: 202517

Ion Ratio Lower Upper

95 100

174 93.8 0.0 188.8

176 90.2 0.0 183.2



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.48

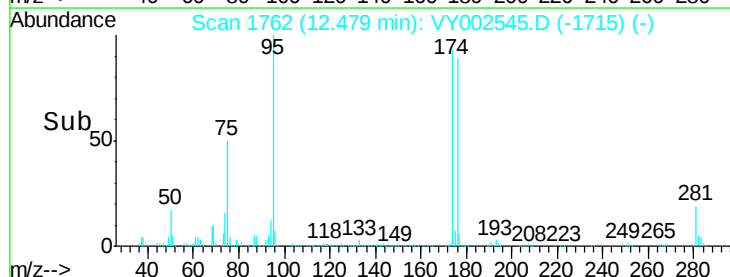
150000

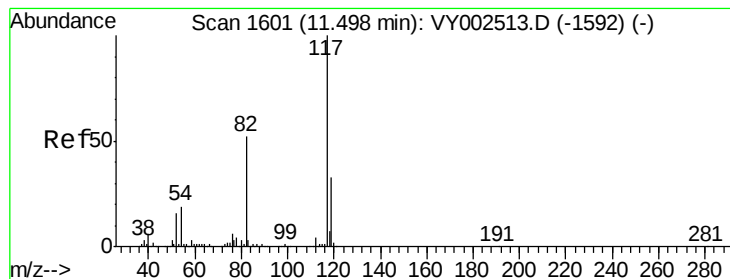
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002545.D

Acq: 04 May 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

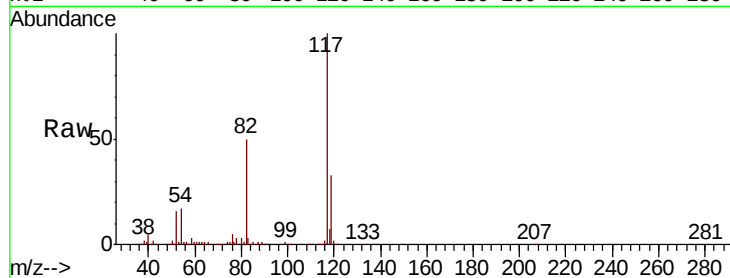
Tot Ion:117 Resp: 459186

Ion Ratio Lower Upper

117 100

82 50.1 41.3 61.9

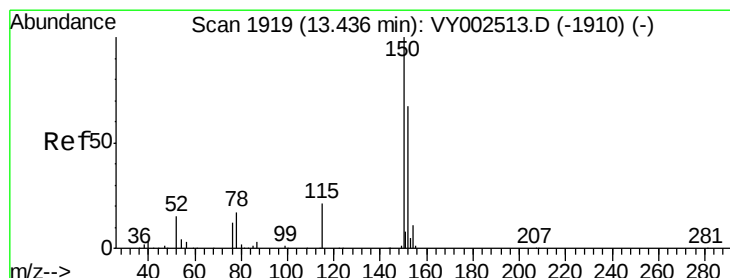
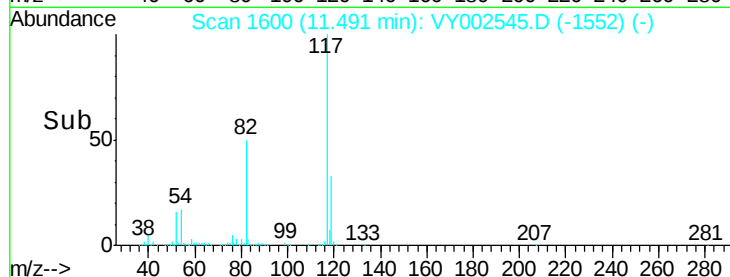
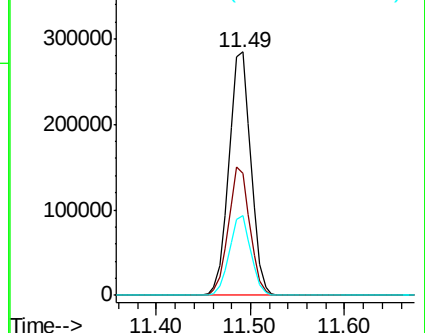
119 32.5 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY002545.D

Acq: 04 May 2020 16:47

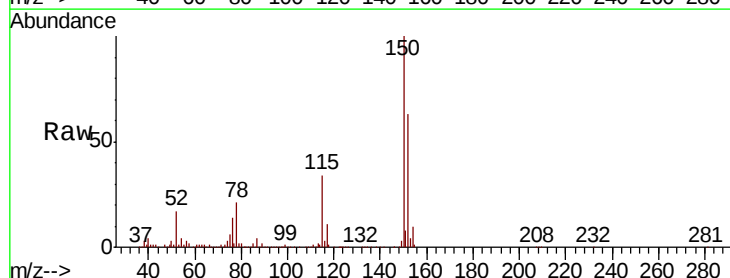
Tgt Ion:152 Resp: 234199

Ion Ratio Lower Upper

152 100

115 54.4 27.5 82.4

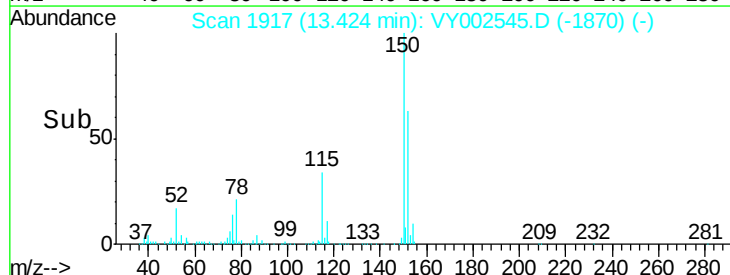
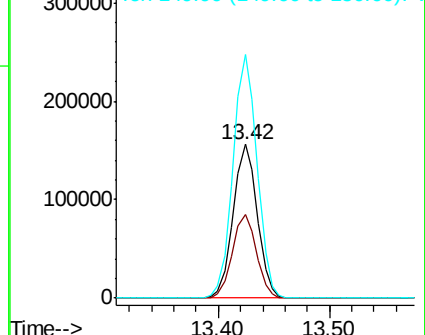
150 157.6 0.0 346.4

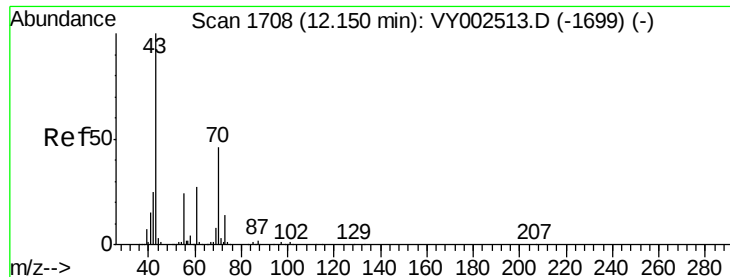


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

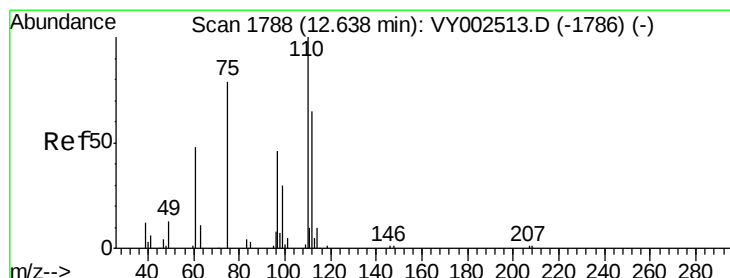
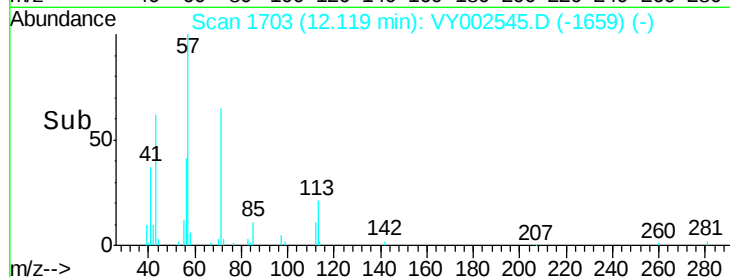
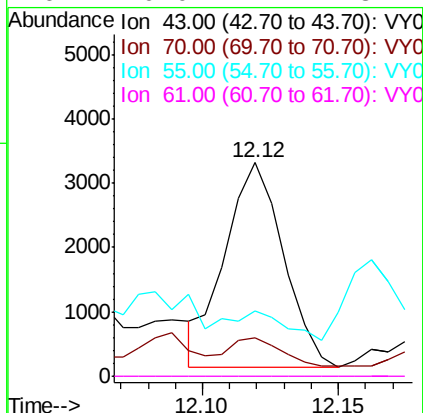
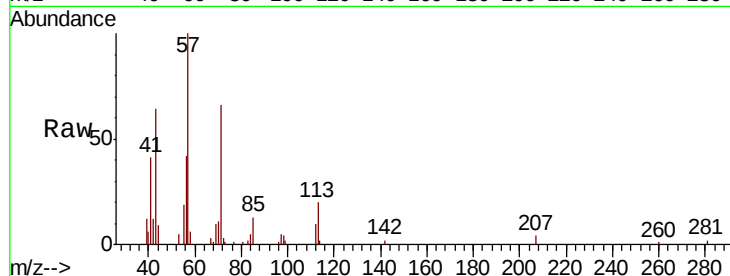




#74
N-amvl acetate
Concen: 1.297 ug/l
RT: 12.12 min Scan# 1703
Delta R.T. -0.03 min
Lab File: VY002545.D
Acq: 04 May 2020 16:47

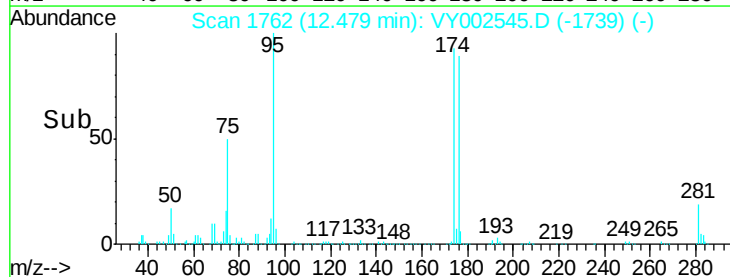
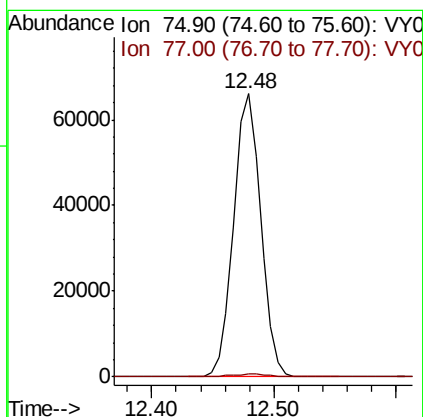
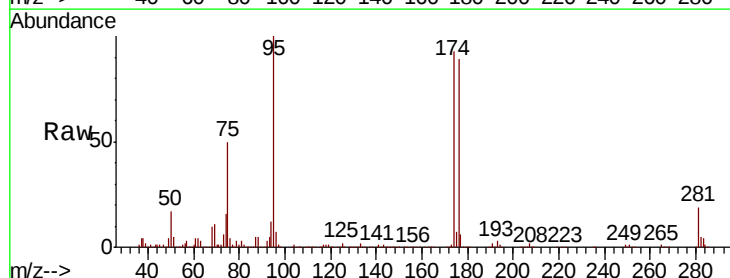
Instrument :
MSVOA_Y
ClientSampleId :

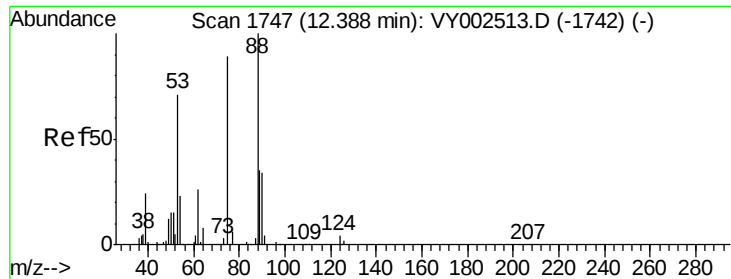
Tot Ion: 43 Resp: 4734
Ion Ratio Lower Upper
43 100
70 12.3 36.7 55.1#
55 0.0 19.2 28.8#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 48.511 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY002545.D
Acq: 04 May 2020 16:47

Tgt Ion: 75 Resp: 100963
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 97.273 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002545.D

Acq: 04 May 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

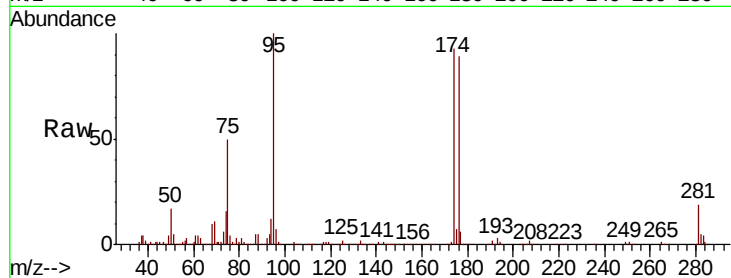
Tot Ion: 75 Resp: 100963

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.5 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

