

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031020\
 Data File : VY001924.D
 Acq On : 10 Mar 2020 16:04
 Operator : SY/MD
 Sample : L1859-05
 Misc : 6.16G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 11 03:58:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	118035	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	220926	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	192753	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	80905	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	69009	54.76	ug/l	-0.02
Spiked Amount			Recovery	=	109.52%	
35) Dibromofluoromethane	7.73	113	62649	51.93	ug/l	-0.02
Spiked Amount			Recovery	=	103.86%	
50) Toluene-d8	10.18	98	264295	51.96	ug/l	-0.01
Spiked Amount			Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.49	95	85447	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	

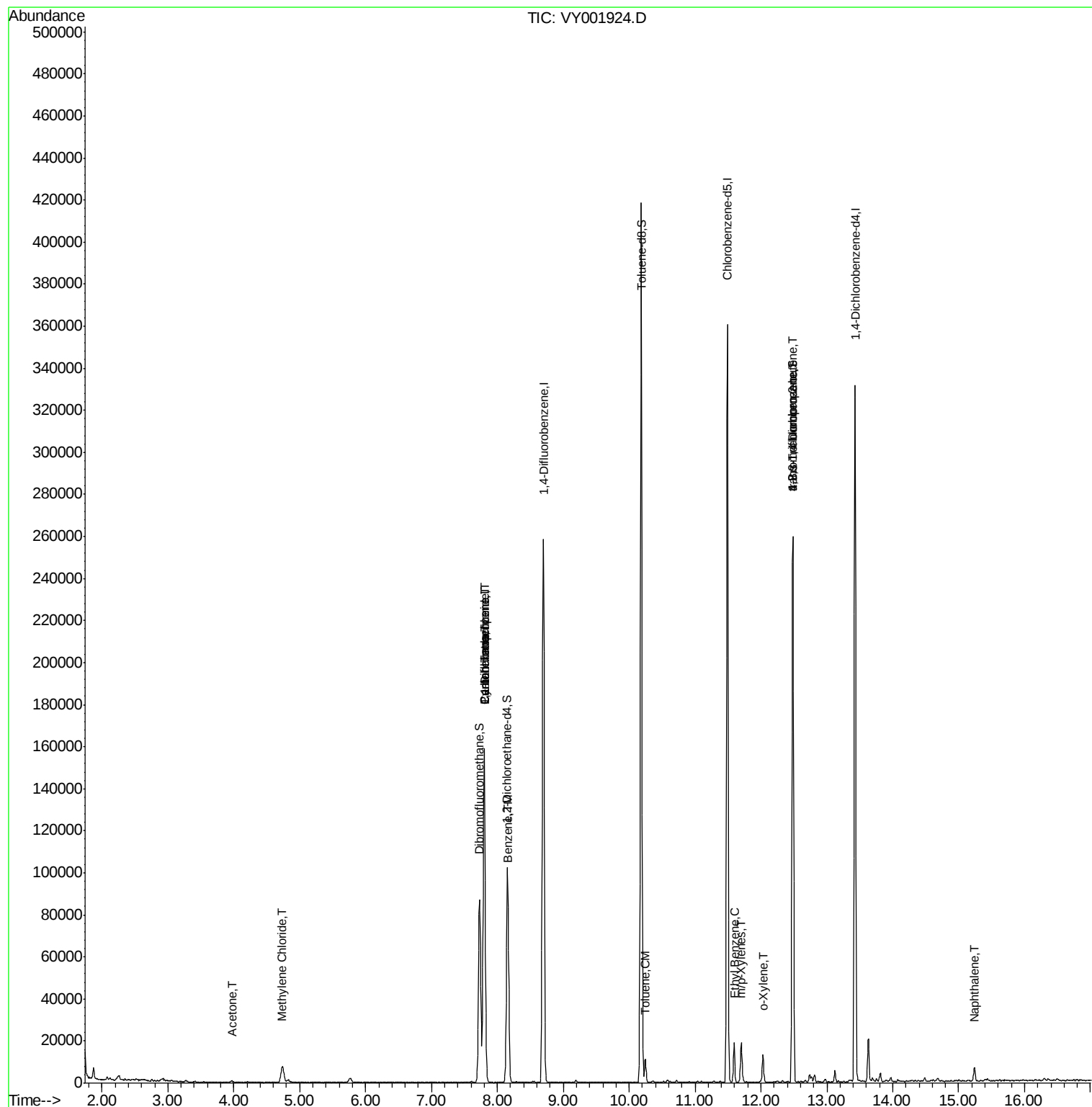
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.66	94	47	Below Cal	#	4
11) Tert butyl alcohol	4.97	59	21	Below Cal	#	74
16) Acetone	3.97	43	1292	3.520	ug/l	100
20) Methylene Chloride	4.73	84	5697	3.622	ug/l	95
31) Cyclohexane	7.80	56	3013	1.088	ug/l #	2
36) 1,1-Dichloropropene	7.80	75	9889	4.651	ug/l #	49
38) Carbon Tetrachloride	7.80	117	11765	6.478	ug/l #	16
40) Benzene	8.17	78	18528	2.940	ug/l	98
52) Toluene	10.25	92	3987	1.042	ug/l	91
67) Ethyl Benzene	11.60	91	12774	1.783	ug/l	99
68) m/p-Xylenes	11.70	106	5722	2.161	ug/l	96
69) o-Xylene	12.03	106	3531	1.415	ug/l	99
76) 1,2,3-Trichloropropane	12.48	75	43464	45.275	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	43464	91.454	ug/l #	17
95) Naphthalene	15.24	128	5145	1.436	ug/l	96

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

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QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001924.D

Acq: 10 Mar 2020 16:04

Instrument :

MSVOA_Y

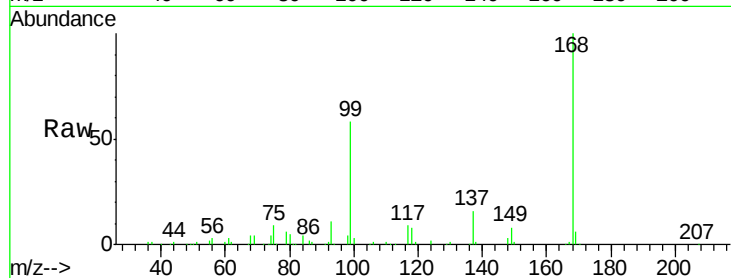
ClientSampled :

Tot Ion:168 Resp: 118035

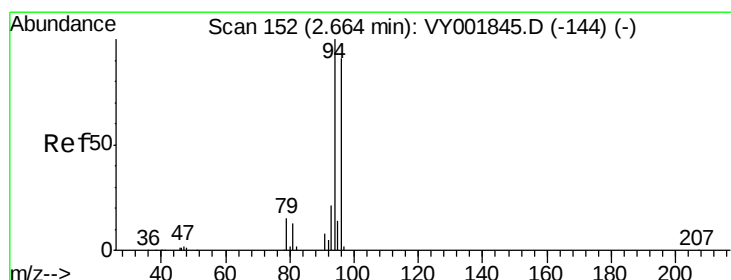
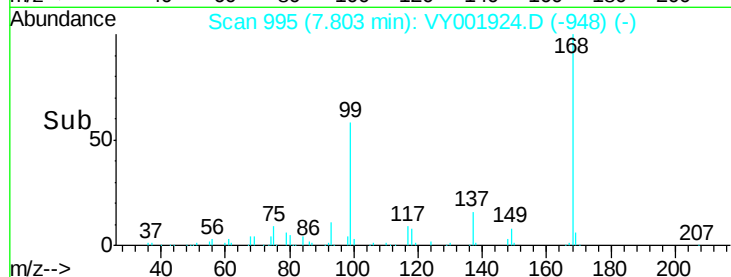
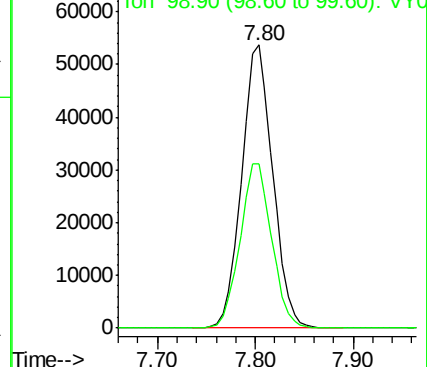
Ion Ratio Lower Upper

168 100

99 58.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001924.D

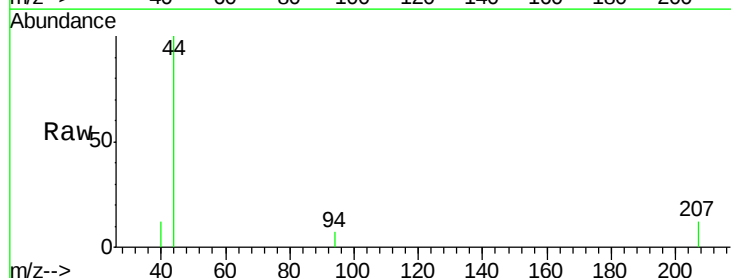
Acq: 10 Mar 2020 16:04

Tgt Ion: 94 Resp: 47

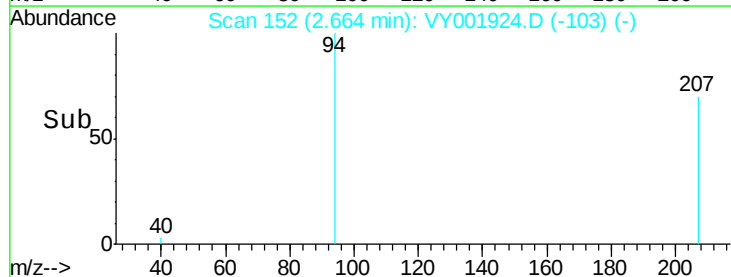
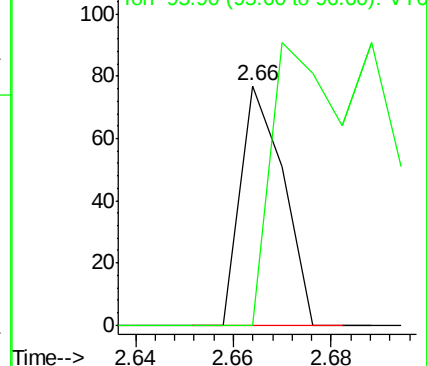
Ion Ratio Lower Upper

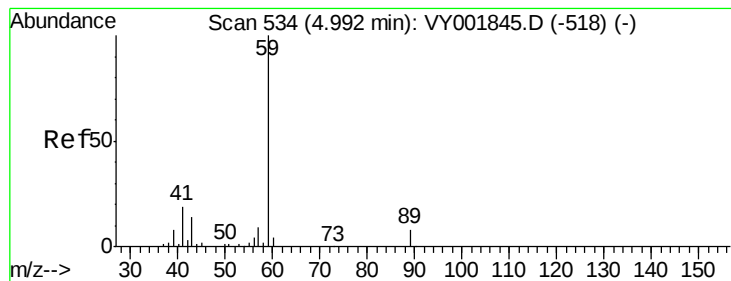
94 100

96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)



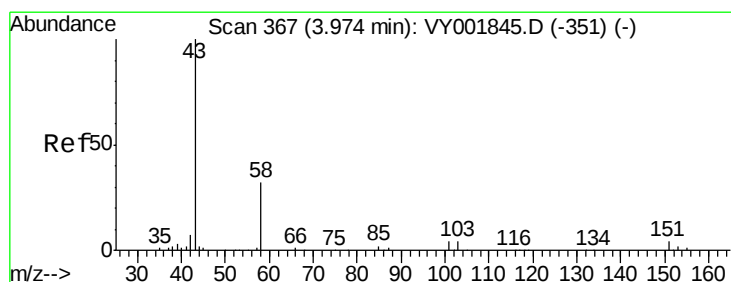
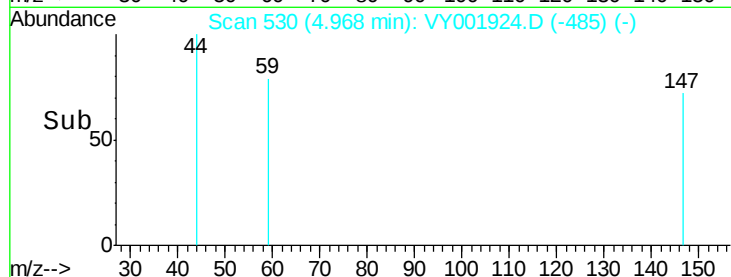
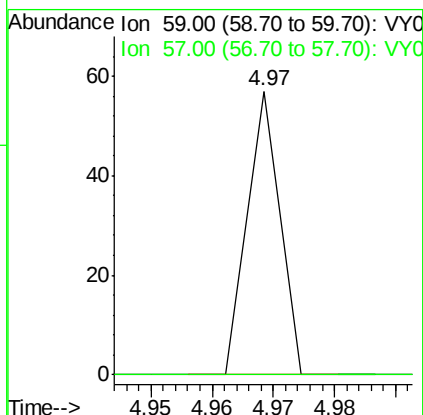
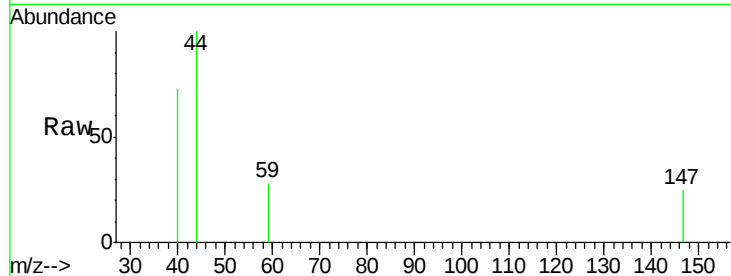


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.97 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VY001924.D
 Acq: 10 Mar 2020 16:04

Instrument :
 MSVOA_Y
 ClientSampleId :

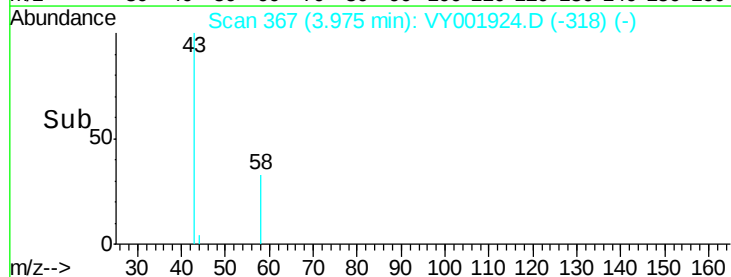
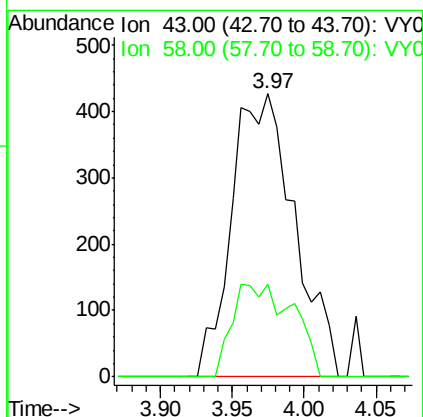
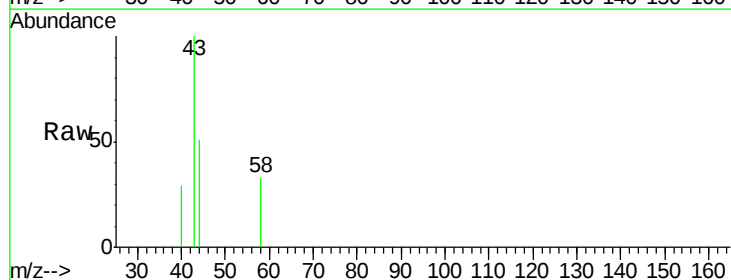
Tot Ion: 59 Resp: 21
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

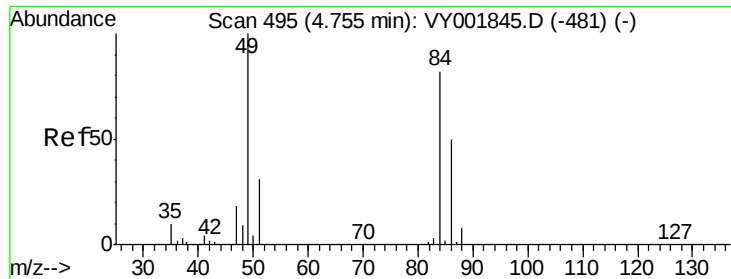


#16

Acetone
 Concen: 3.520 ug/l
 RT: 3.97 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VY001924.D
 Acq: 10 Mar 2020 16:04

Tgt Ion: 43 Resp: 1292
 Ion Ratio Lower Upper
 43 100
 58 32.6 25.9 38.9

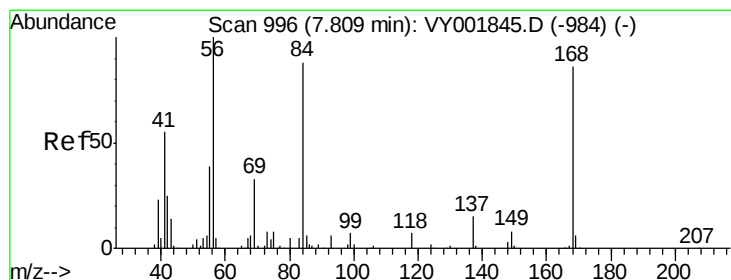
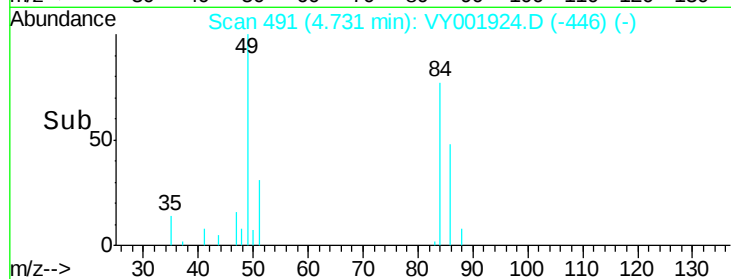
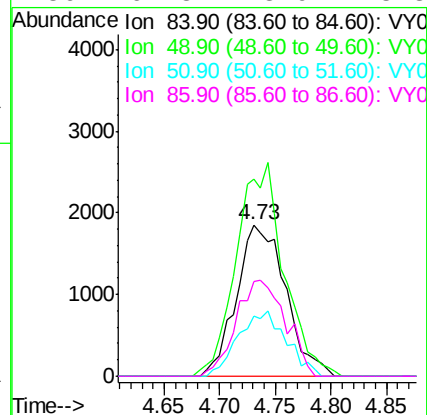
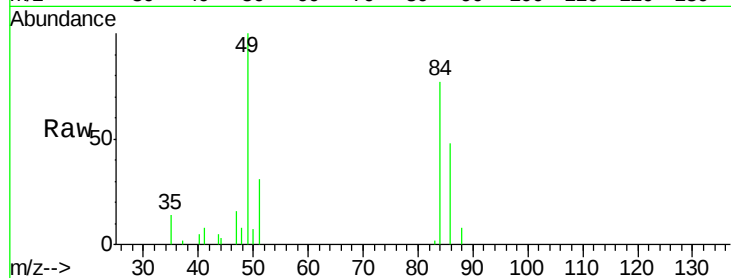




#20
Methvlene Chloride
Concen: 3.622 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.02 min
Lab File: VY001924.D
Acq: 10 Mar 2020 16:04

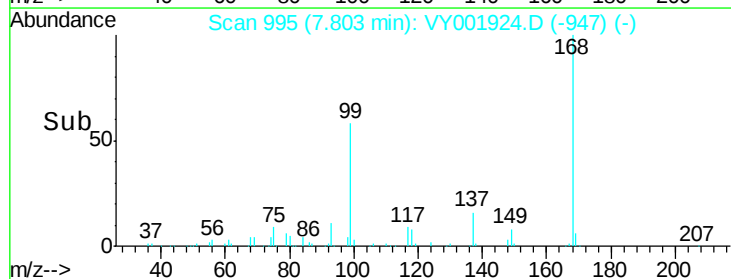
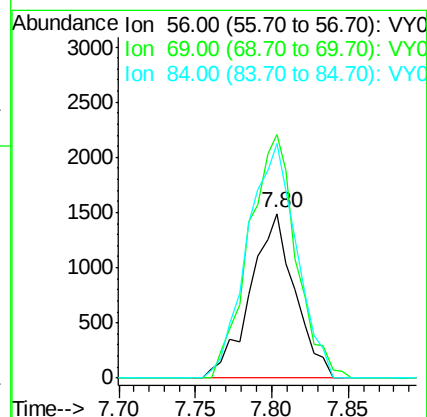
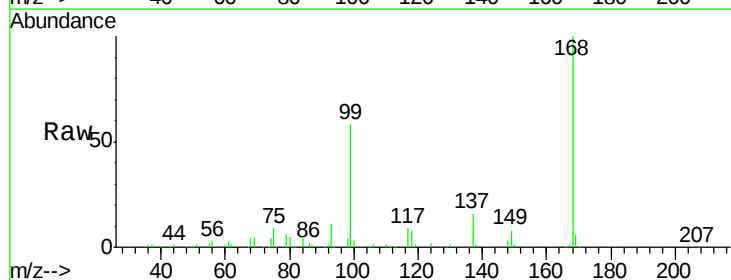
Instrument :
MSVOA_Y
ClientSampleId :

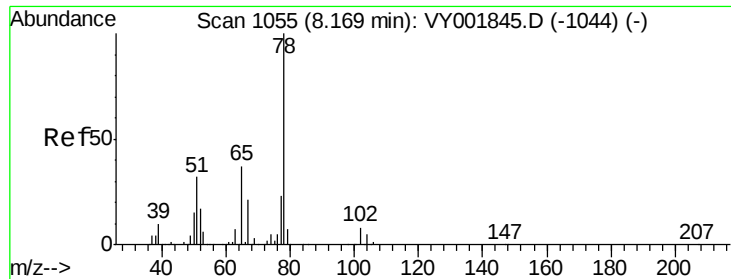
Tot Ion:	84	Resp:	5697
Ion	Ratio	Lower	Upper
84	100		
49	130.6	98.2	147.2
51	39.9	30.2	45.2
86	62.8	48.9	73.3



#31
Cyclohexane
Concen: 1.088 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001924.D
Acq: 10 Mar 2020 16:04

Tgt Ion:	56	Resp:	3013
Ion	Ratio	Lower	Upper
56	100		
69	148.0	26.7	40.1#
84	142.3	70.4	105.6#

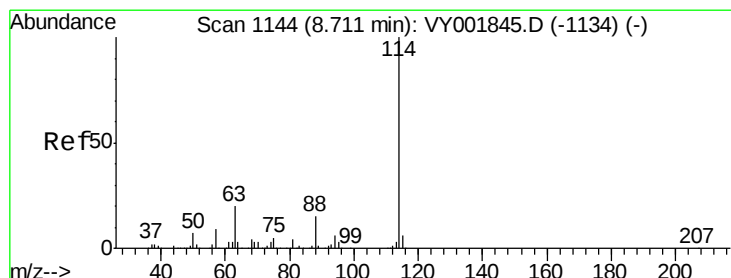
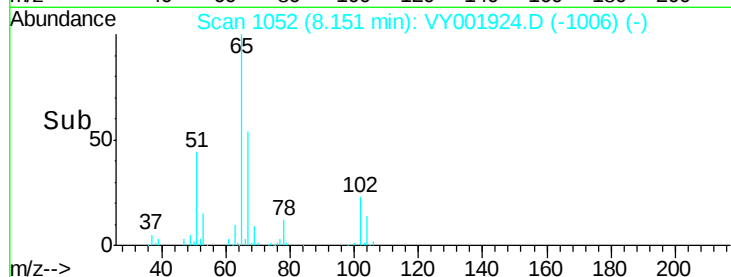
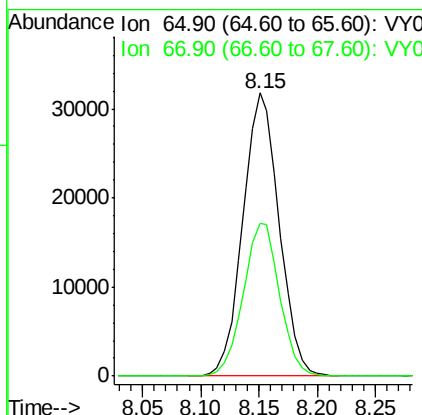
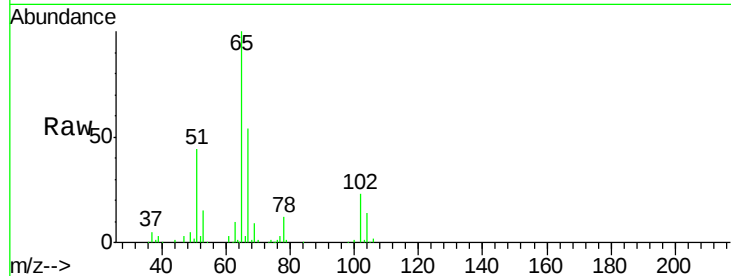




#33
 1,2-Dichloroethane-d4
 Concen: 54.765 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.02 min
 Lab File: VY001924.D
 Acq: 10 Mar 2020 16:04

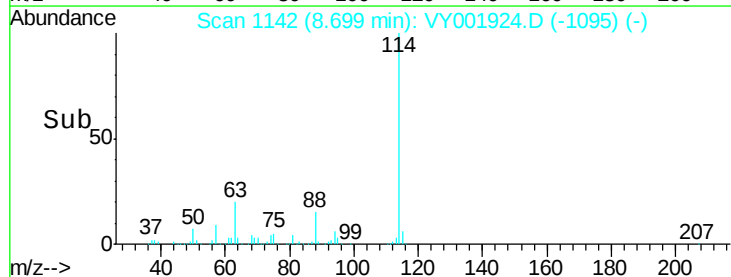
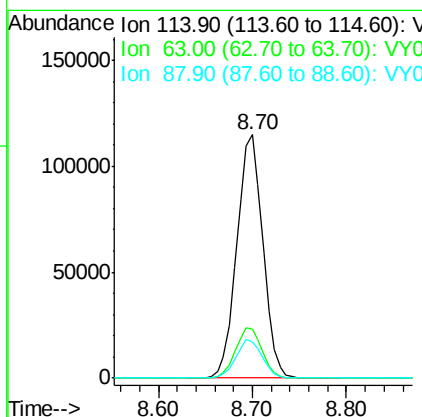
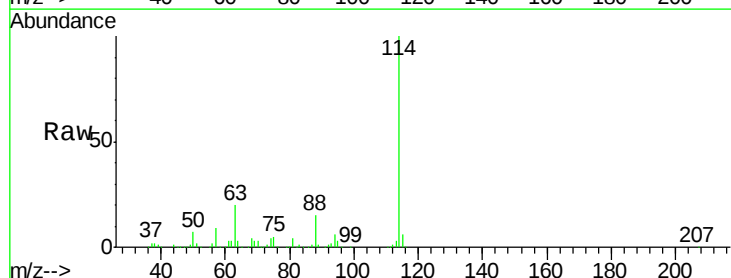
Instrument :
 MSVOA_Y
 ClientSampleId :

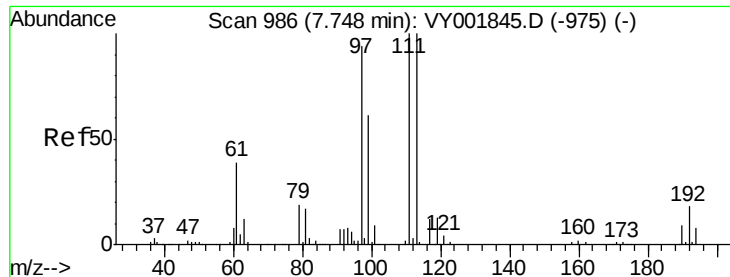
Tot Ion: 65 Resp: 69009
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001924.D
 Acq: 10 Mar 2020 16:04

Tgt Ion: 114 Resp: 220926
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.4
 88 15.0 0.0 30.4

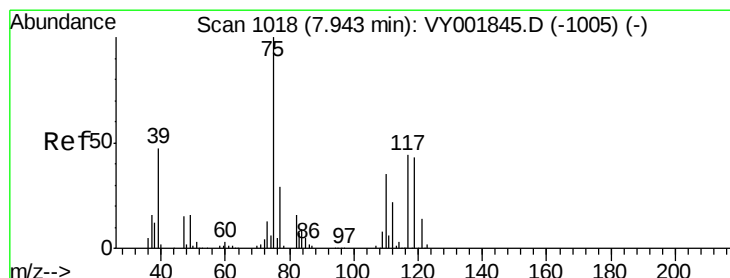
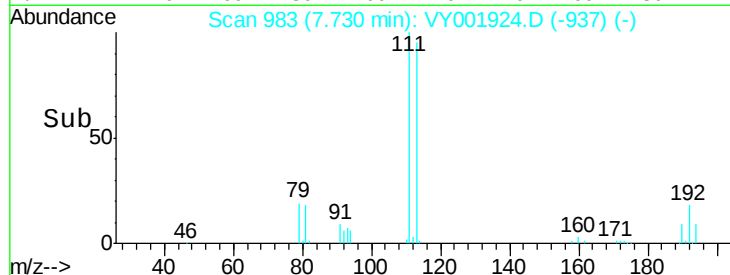
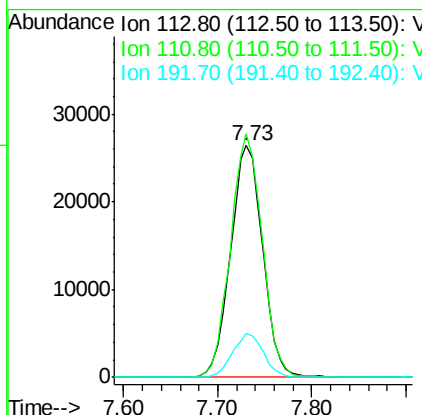
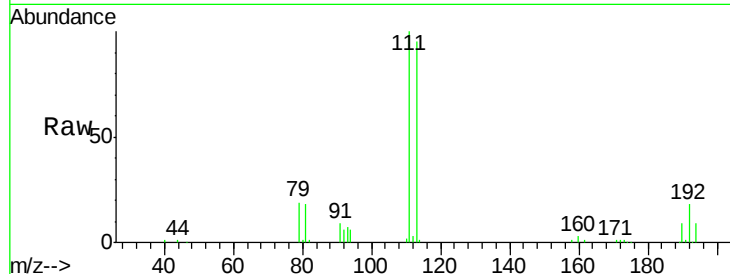




#35
Dibromofluoromethane
Concen: 51.932 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.02 min
Lab File: VY001924.D
Acq: 10 Mar 2020 16:04

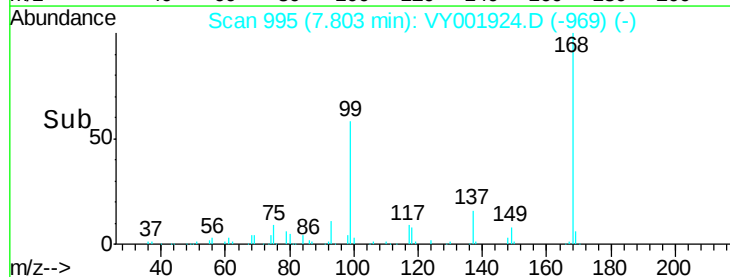
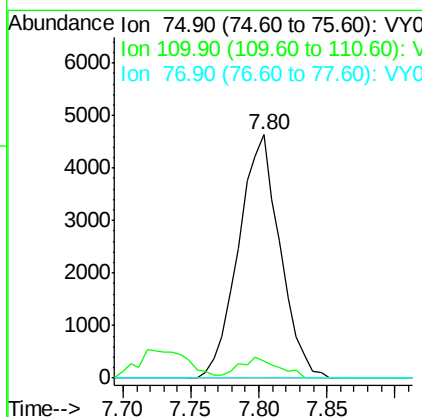
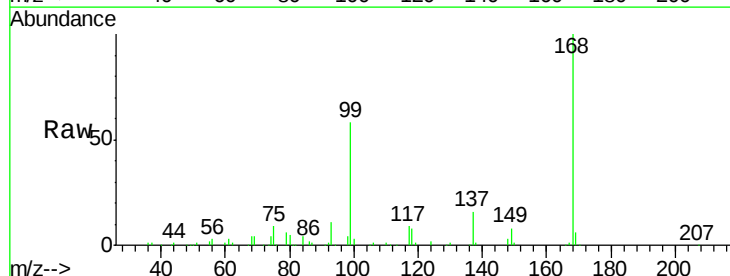
Instrument :
MSVOA_Y
ClientSampleId :

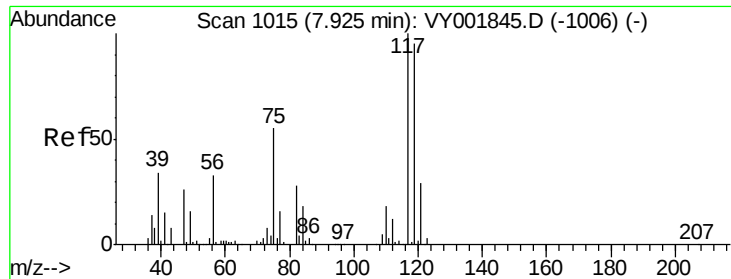
Tot Ion:113 Resp: 62649
Ion Ratio Lower Upper
113 100
111 103.9 81.8 122.8
192 18.3 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.651 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.14 min
Lab File: VY001924.D
Acq: 10 Mar 2020 16:04

Tgt Ion: 75 Resp: 9889
Ion Ratio Lower Upper
75 100
110 7.9 17.4 52.2#
77 0.0 24.2 36.2#

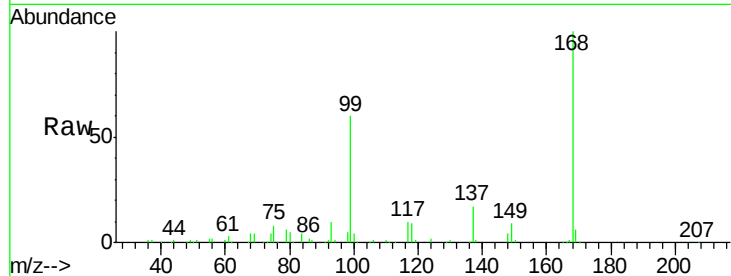




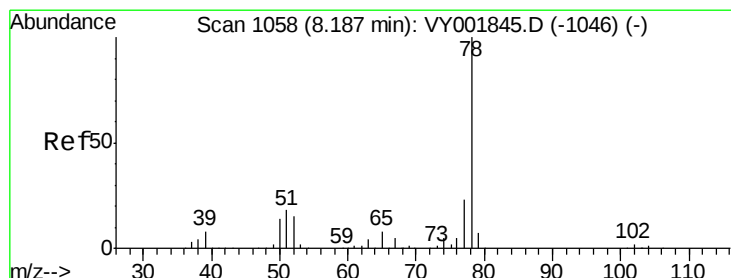
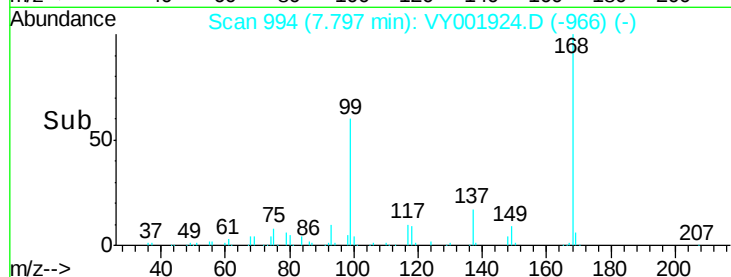
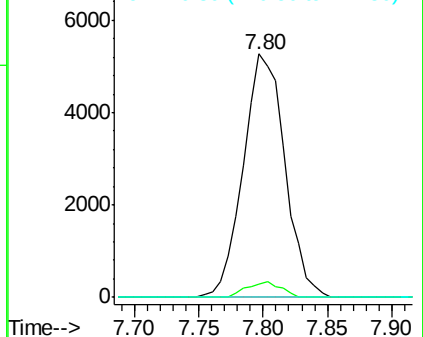
#38
Carbon Tetrachloride
Concen: 6.478 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.13 min
Lab File: VY001924.D
Acq: 10 Mar 2020 16:04

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 11765
Ion Ratio Lower Upper
117 100
119 5.2 76.3 114.5#
121 0.0 23.5 35.3#

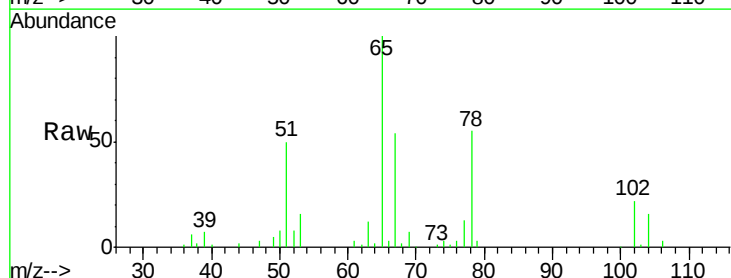


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

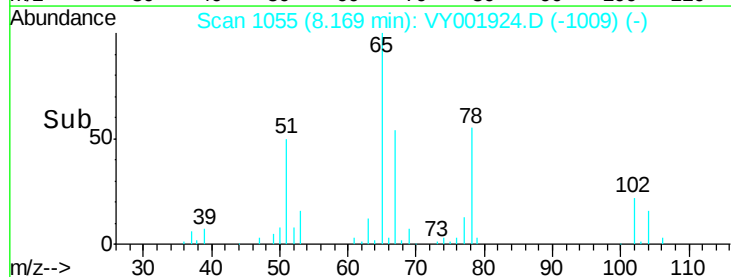
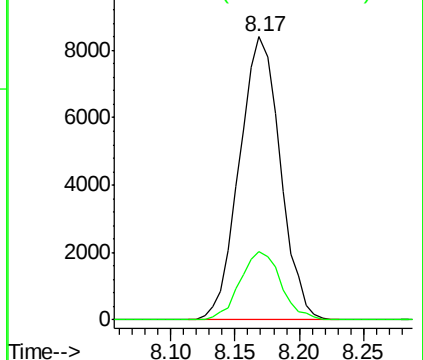


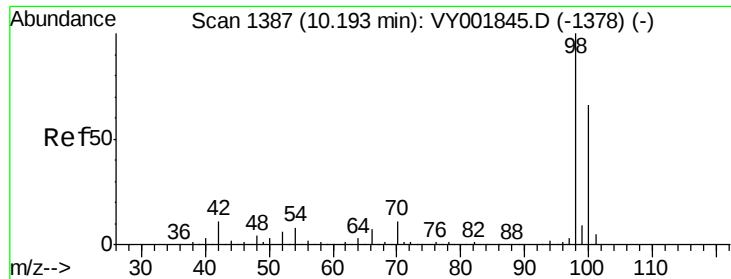
#40
Benzene
Concen: 2.940 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.02 min
Lab File: VY001924.D
Acq: 10 Mar 2020 16:04

Tgt Ion: 78 Resp: 18528
Ion Ratio Lower Upper
78 100
77 24.3 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0





#50

Toluene-d8

Concen: 51.955 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY001924.D

Acq: 10 Mar 2020 16:04

Instrument :

MSVOA_Y

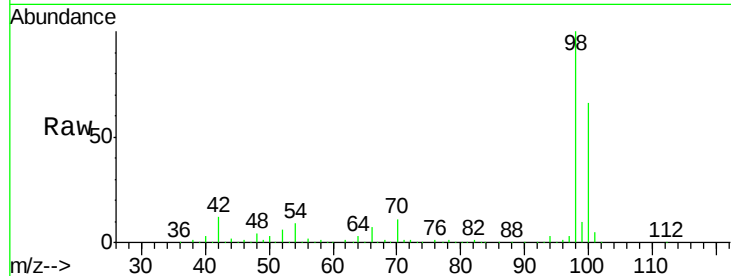
ClientSampleId :

Tot Ion: 98 Resp: 264295

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.18

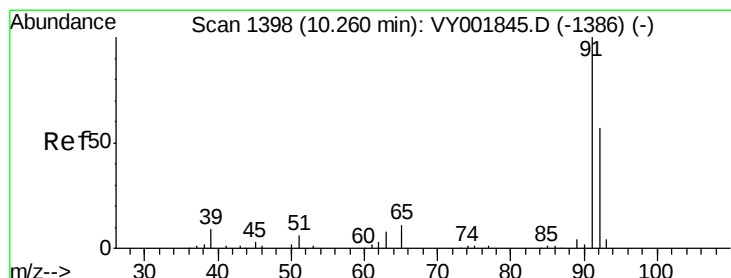
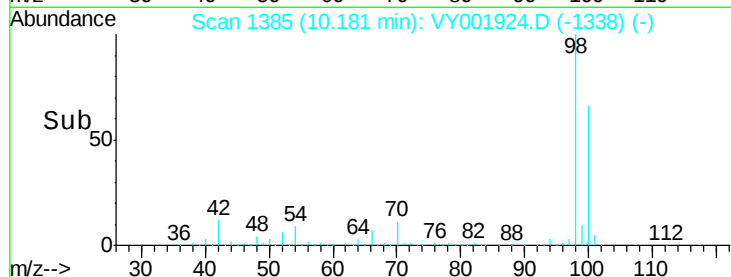
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 1.042 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001924.D

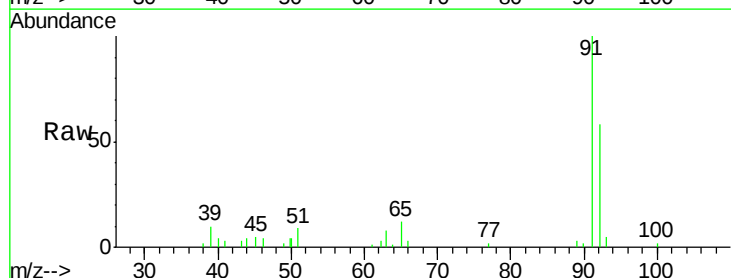
Acq: 10 Mar 2020 16:04

Tgt Ion: 92 Resp: 3987

Ion Ratio Lower Upper

92 100

91 186.4 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

5000

4000

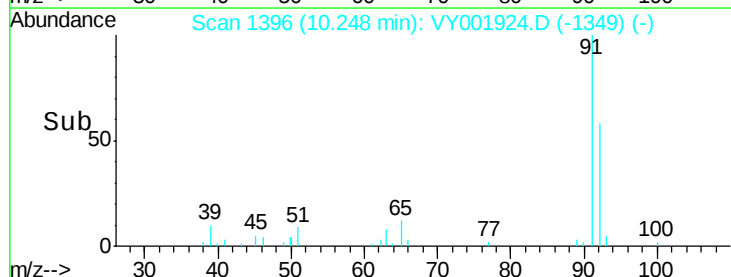
3000

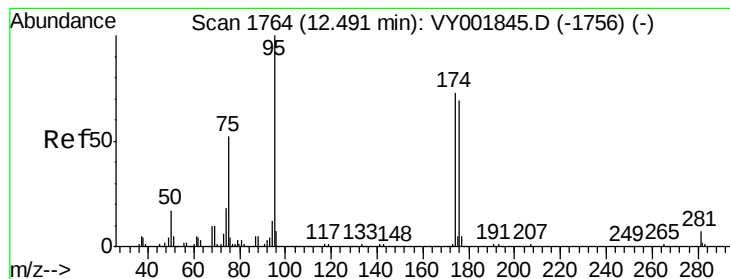
2000

1000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 48.308 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001924.D

Acq: 10 Mar 2020 16:04

Instrument :

MSVOA_Y

ClientSampleId :

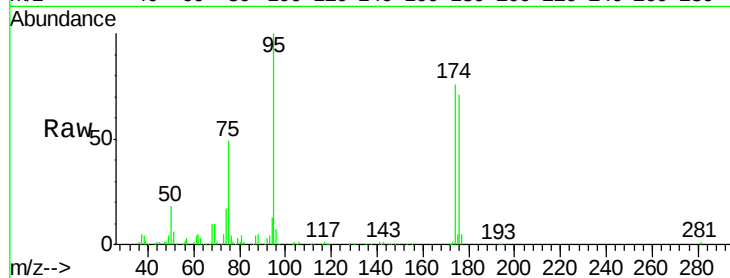
Tot Ion: 95 Resp: 85447

Ion Ratio Lower Upper

95 100

174 72.9 0.0 145.0

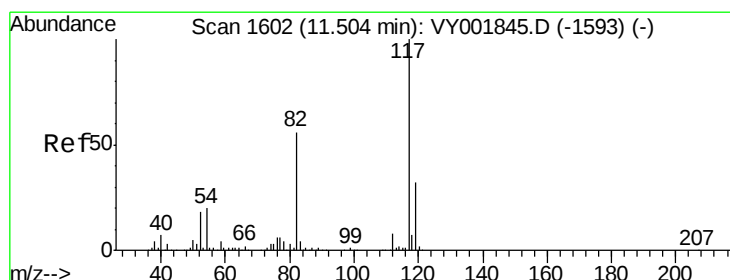
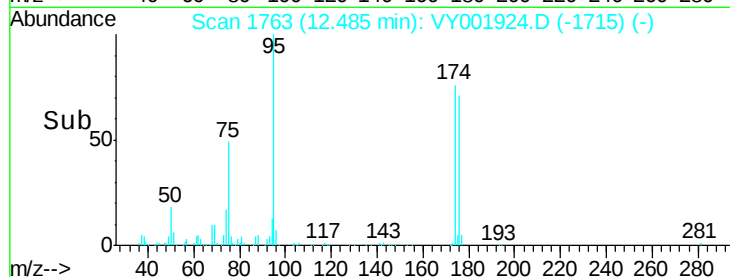
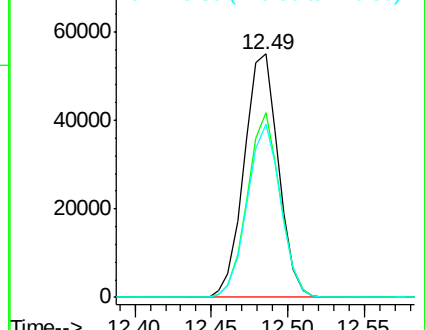
176 69.5 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY001924.D

Acq: 10 Mar 2020 16:04

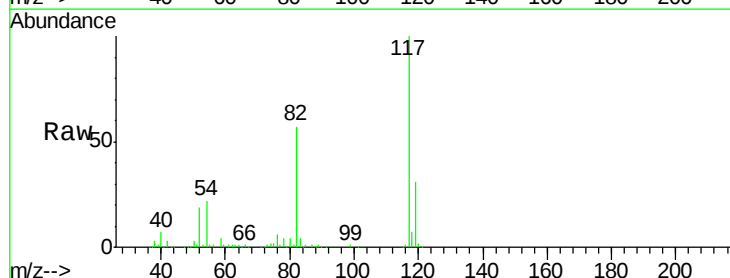
Tgt Ion: 117 Resp: 192753

Ion Ratio Lower Upper

117 100

82 57.0 44.5 66.7

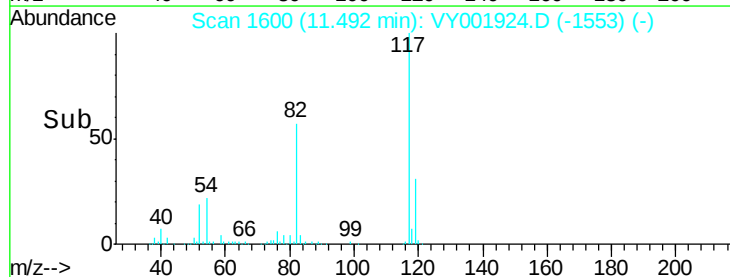
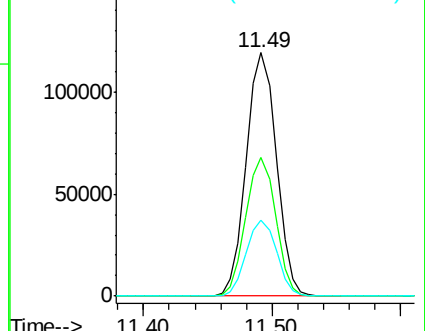
119 31.3 25.7 38.5

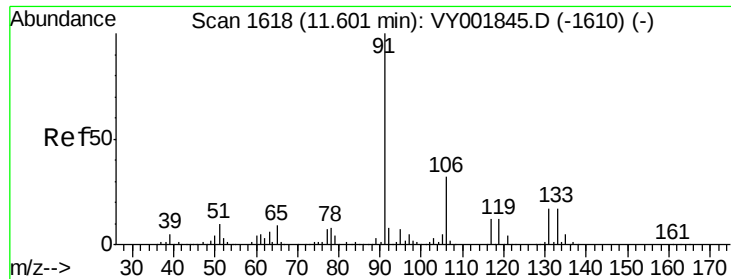


Abundance Ion 116.90 (116.60 to 117.60): VY001845.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY001845.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY001845.D (-1593) (-)

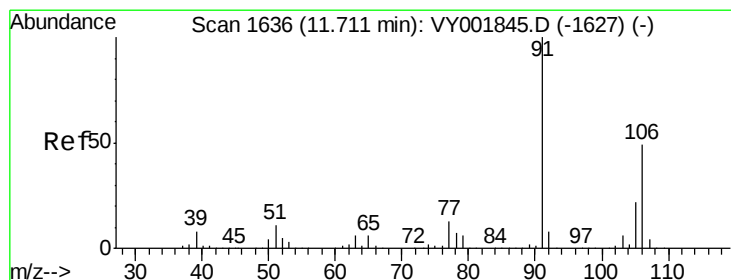
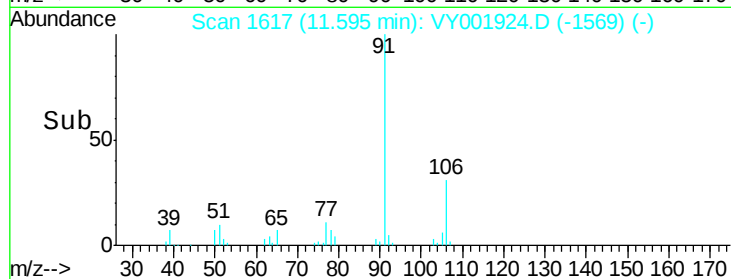
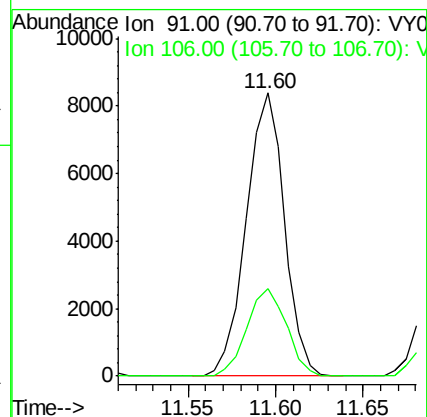
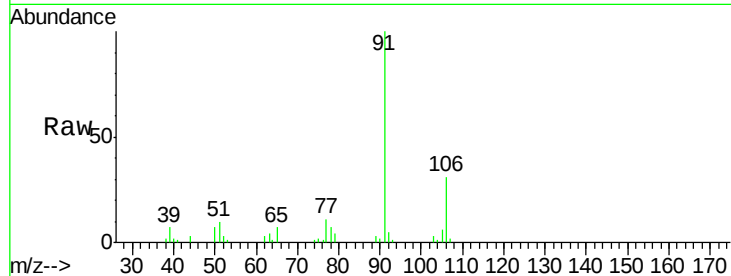




#67
Ethyl Benzene
Concen: 1.783 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001924.D
Acq: 10 Mar 2020 16:04

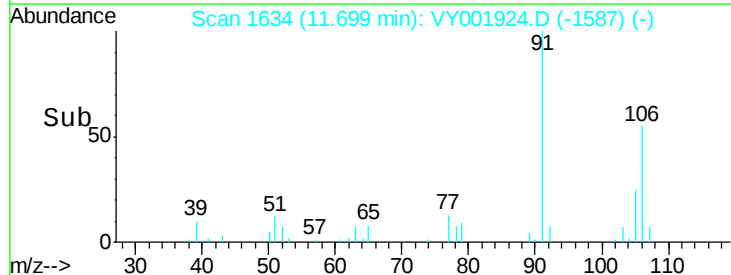
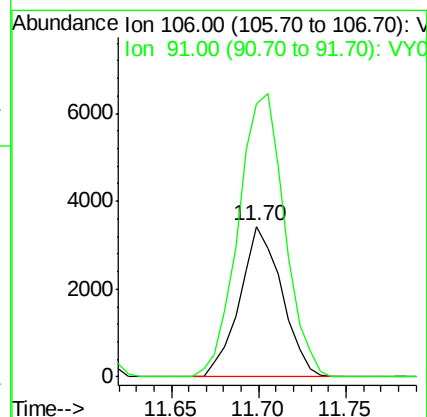
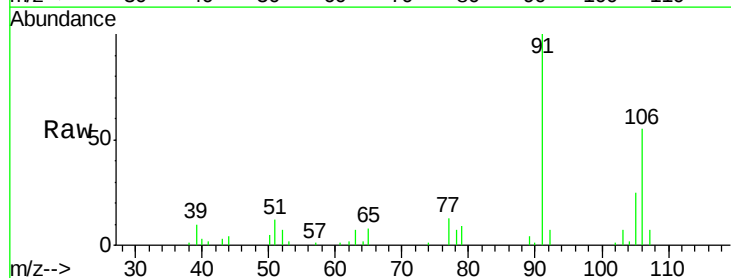
Instrument :
MSVOA_Y
ClientSampleId :

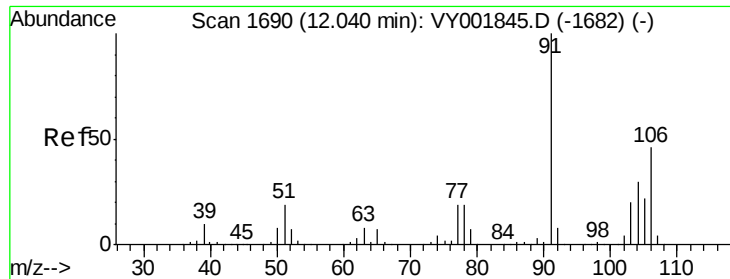
Tot Ion: 91 Resp: 12774
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.2



#68
m/p-Xylenes
Concen: 2.161 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VY001924.D
Acq: 10 Mar 2020 16:04

Tgt Ion: 106 Resp: 5722
Ion Ratio Lower Upper
106 100
91 207.3 161.3 241.9

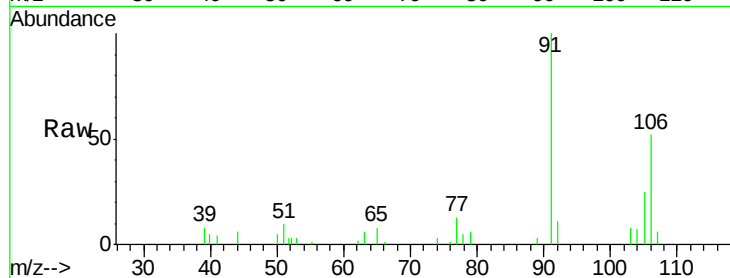




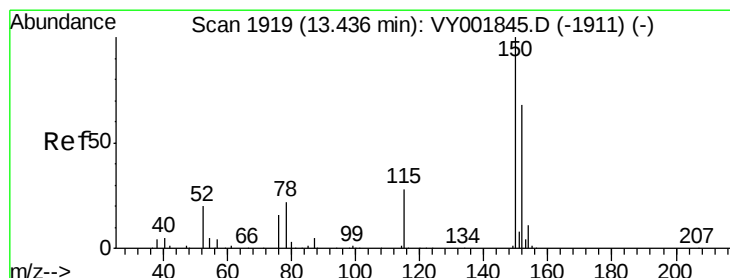
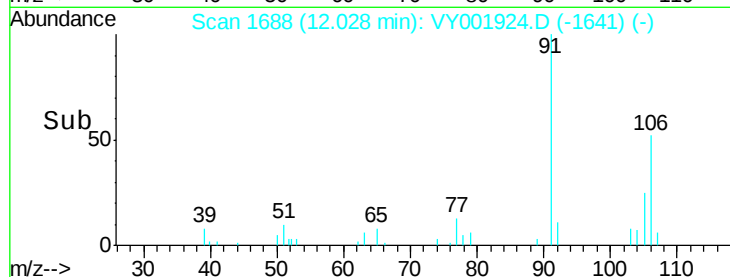
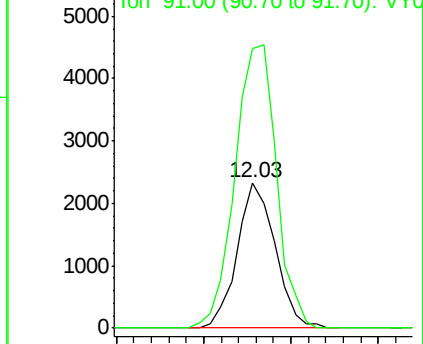
#69
o-Xylene
Concen: 1.415 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY001924.D
Acq: 10 Mar 2020 16:04

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:106 Resp: 3531
Ion Ratio Lower Upper
106 100
91 211.9 106.8 320.4

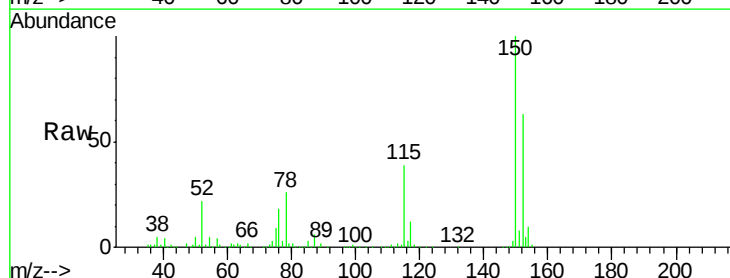


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

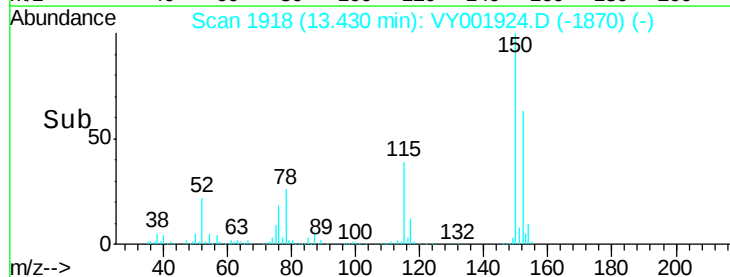
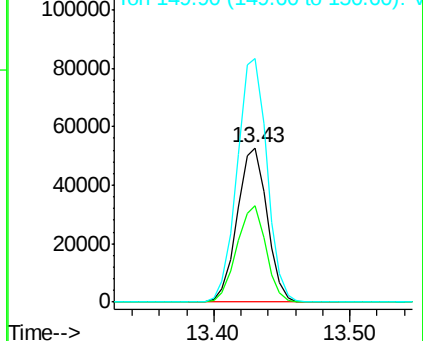


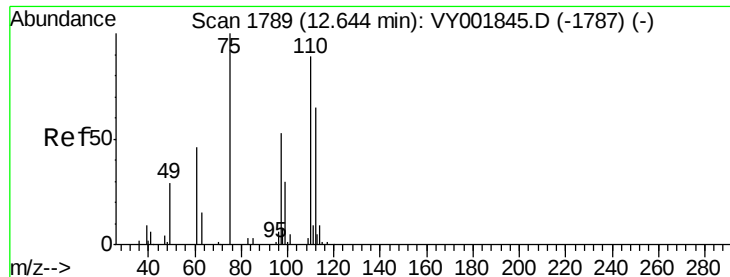
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001924.D
Acq: 10 Mar 2020 16:04

Tgt Ion:152 Resp: 80905
Ion Ratio Lower Upper
152 100
115 60.9 29.9 89.7
150 157.5 0.0 340.6



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: 45.275 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY001924.D

Acq: 10 Mar 2020 16:04

Instrument :

MSVOA_Y

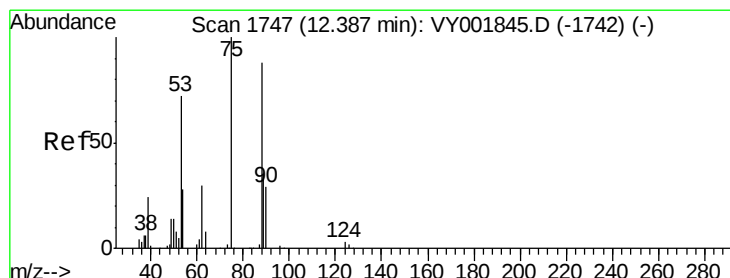
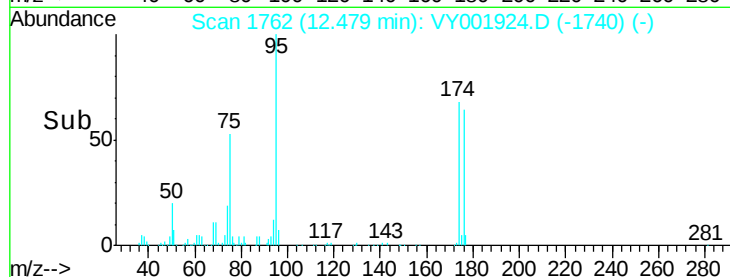
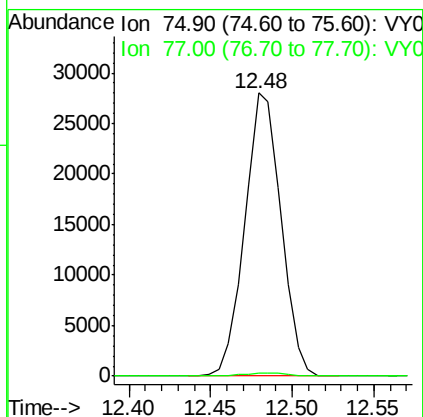
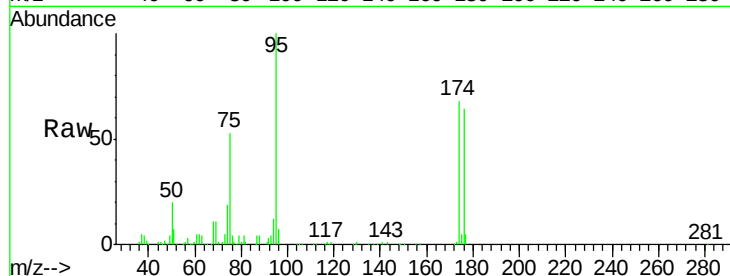
ClientSampleId :

Tot Ion: 75 Resp: 43464

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.454 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY001924.D

Acq: 10 Mar 2020 16:04

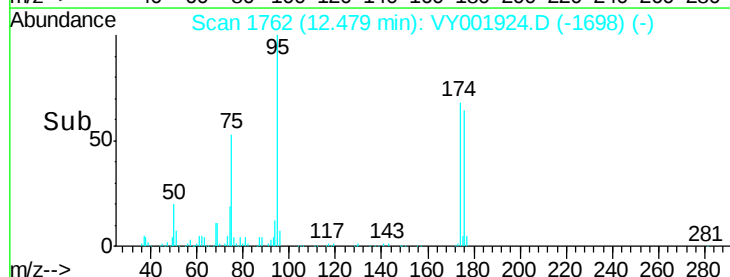
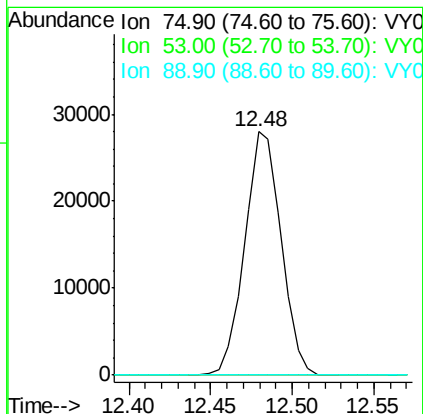
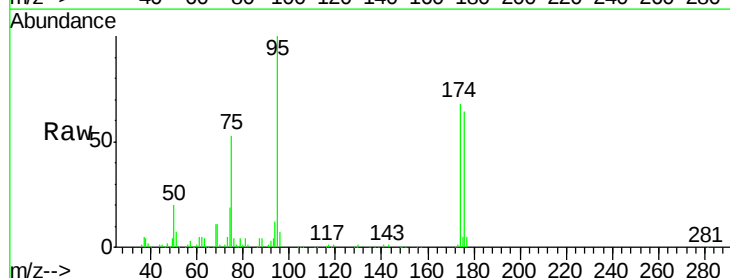
Tgt Ion: 75 Resp: 43464

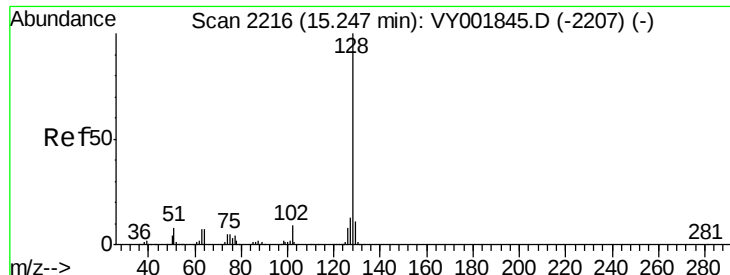
Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#

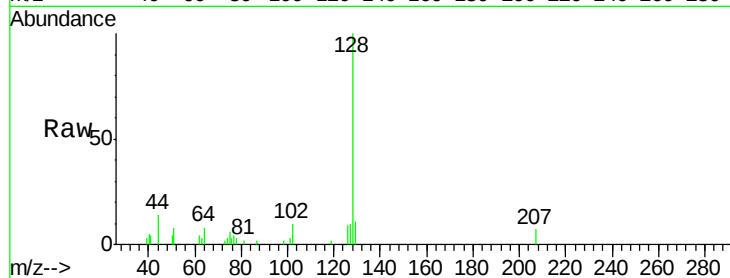




#95
 Naphthalene
 Concen: 1.436 ug/l
 RT: 15.24 min Scan# 2215
 Delta R.T. -0.01 min
 Lab File: VY001924.D
 Acq: 10 Mar 2020 16:04

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.1	15.1
129	12.7	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

