

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011520\
 Data File : VY001241.D
 Acq On : 16 Jan 2020 00:49
 Operator : SY/MD
 Sample : L1136-03
 Misc : 8.34G/5ML/MSVOA Y/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB457_200113_20-21

Quant Time: Jan 16 07:07:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

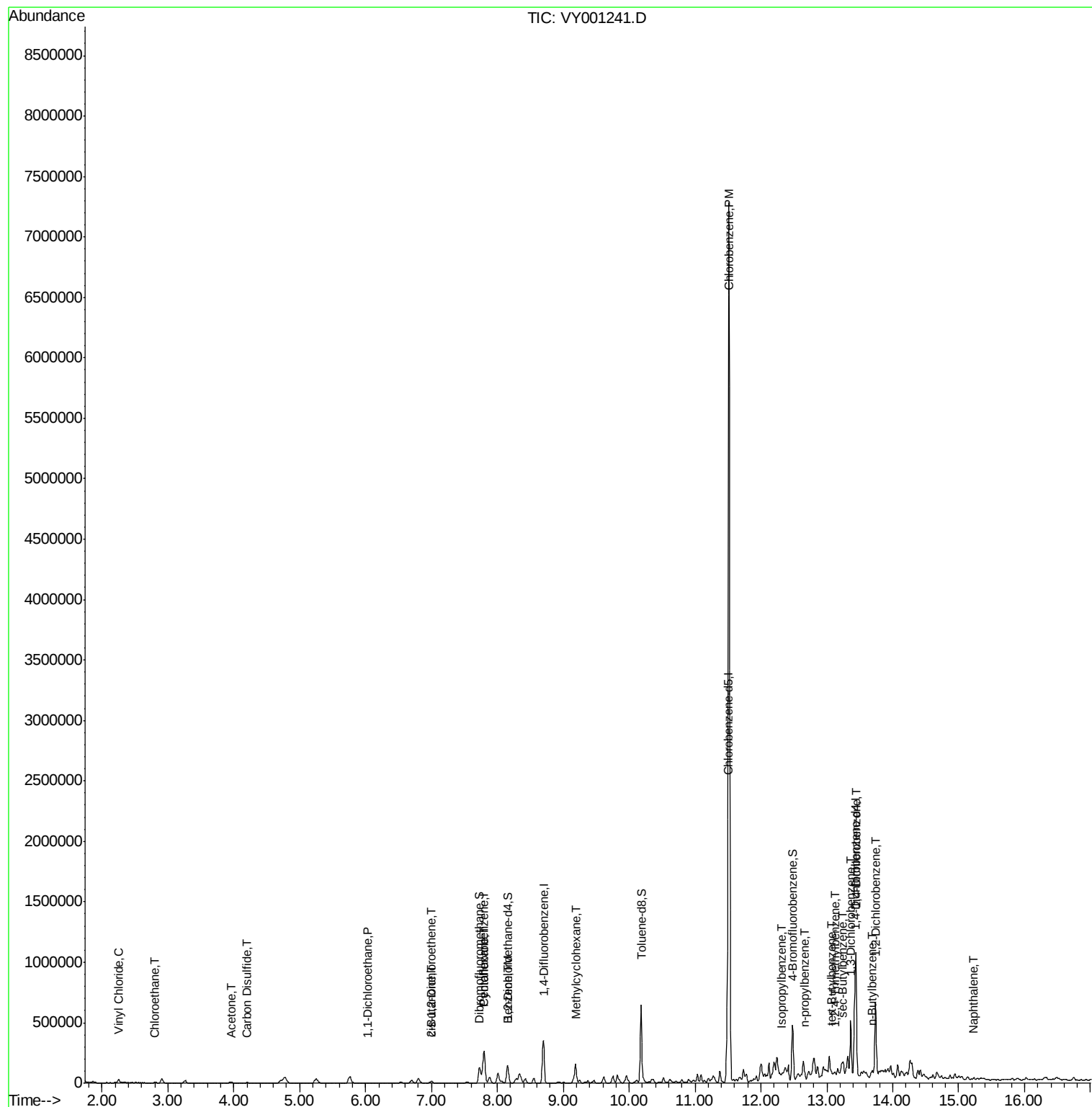
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	171336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	311526	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	278549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	134042	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	98302	54.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.64%	
35) Dibromofluoromethane	7.73	113	91972	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.18	98	370669	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
62) 4-Bromofluorobenzene	12.48	95	141311	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.26	62	22486	11.768	ug/l	96
6) Chloroethane	2.80	64	3623	3.282	ug/l	98
16) Acetone	3.96	43	11289	26.862	ug/l #	87
17) Carbon Disulfide	4.19	76	9645	1.701	ug/l	98
24) 1,1-Dichloroethane	6.03	63	3657	1.106	ug/l #	91
25) 2-Butanone	7.00	43	4140	6.329	ug/l	92
27) cis-1,2-Dichloroethene	7.00	96	4669	2.145	ug/l	87
31) Cyclohexane	7.79	56	34305	9.802	ug/l	97
39) Methylcyclohexane	9.19	83	62627	16.269	ug/l	99
40) Benzene	8.17	78	29591	3.570	ug/l	96
65) Chlorobenzene	11.52	112	3552753	638.312	ug/l	99
73) Isopropylbenzene	12.33	105	20922	2.076	ug/l	100
78) n-propylbenzene	12.67	91	28091	2.318	ug/l	97
83) tert-Butylbenzene	13.07	119	15780	2.234	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	9914	1.187	ug/l	100
85) sec-Butylbenzene	13.25	105	45322	4.459	ug/l #	44
87) 1,3-Dichlorobenzene	13.36	146	162857	38.674	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	359163	82.872	ug/l	100
89) n-Butylbenzene	13.69	91	28165	3.169	ug/l #	86
91) 1,2-Dichlorobenzene	13.73	146	169323	43.265	ug/l	98
95) Naphthalene	15.23	128	8903	1.483	ug/l #	93

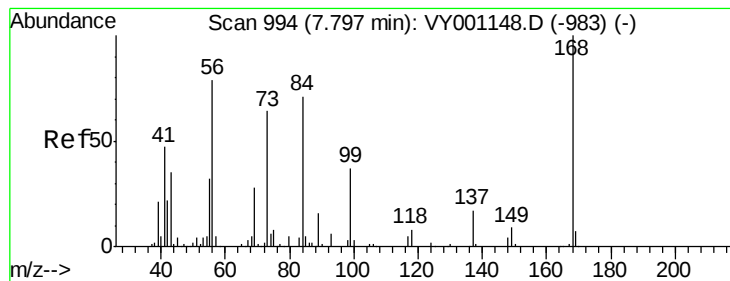
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001241.D

Acq: 16 Jan 2020 00:49

Instrument :

MSVOA_Y

ClientSampleId :

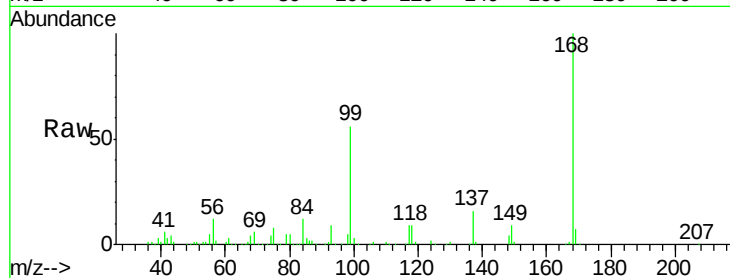
WP022SB457_200113_20-21

Tot Ion:168 Resp: 171336

Ion Ratio Lower Upper

168 100

99 55.8 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

7.80

80000

60000

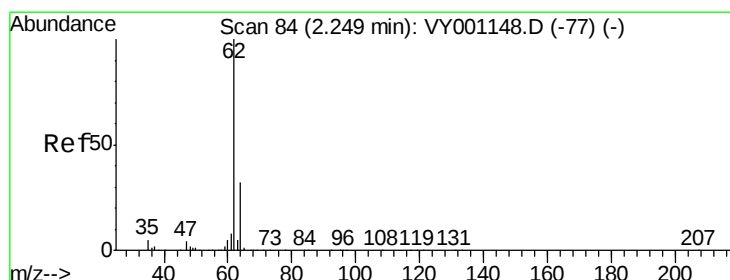
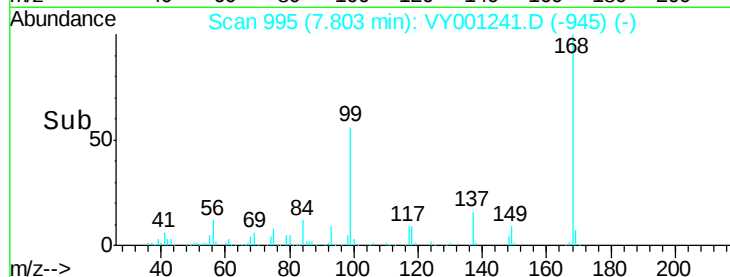
40000

20000

0

Time-->

7.70 7.80 7.90



#4

Vinyl Chloride

Concen: 11.768 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001241.D

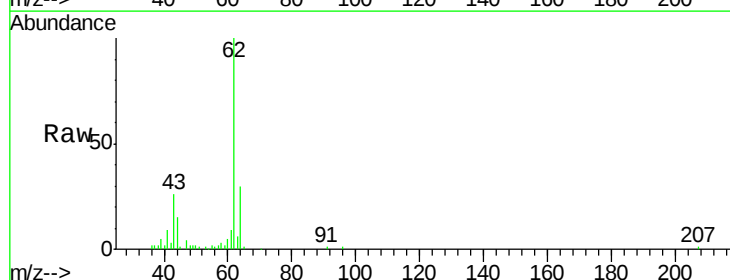
Acq: 16 Jan 2020 00:49

Tgt Ion: 62 Resp: 22486

Ion Ratio Lower Upper

62 100

64 29.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VY001148.D (-77) (-)

Ion 63.90 (63.60 to 64.60): VY001148.D (-77) (-)

2.26

15000

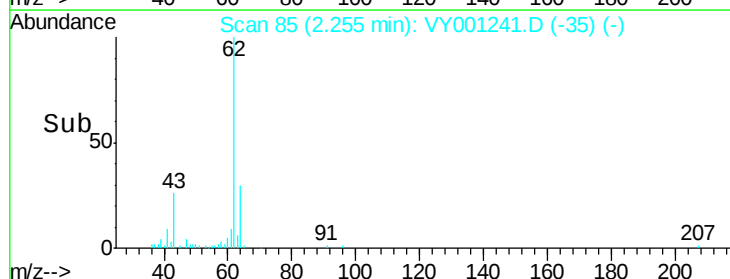
10000

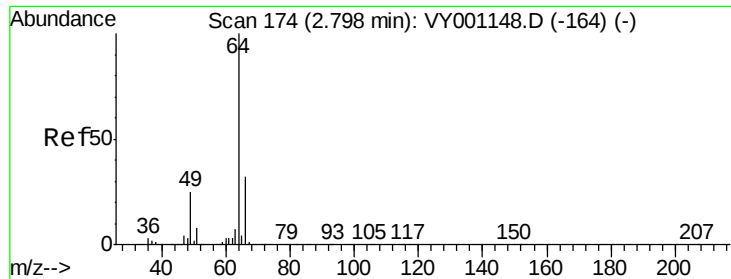
5000

0

Time-->

2.15 2.20 2.25 2.30 2.35





#6

Chloroethane

Concen: 3.282 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY001241.D

Acq: 16 Jan 2020 00:49

Instrument :

MSVOA_Y

ClientSampleId :

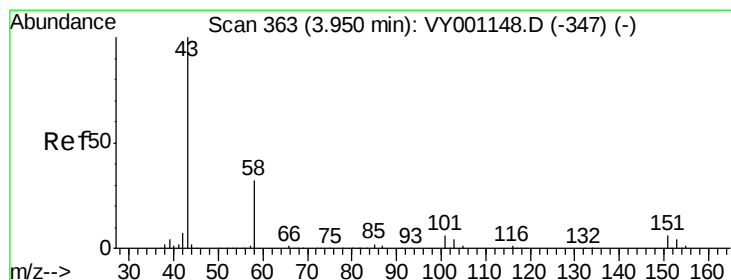
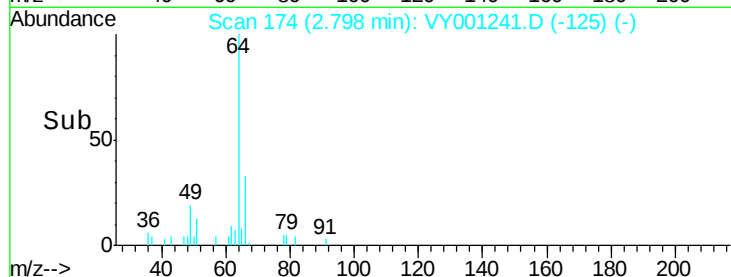
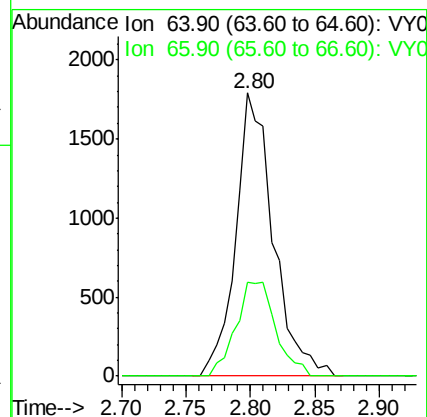
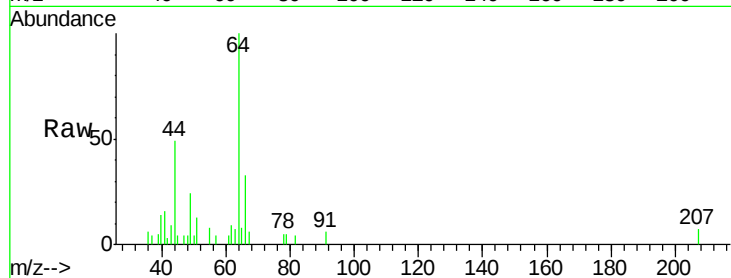
WP022SB457_200113_20-21

Tot Ion: 64 Resp: 3623

Ion Ratio Lower Upper

64 100

66 33.1 25.5 38.3



#16

Acetone

Concen: 26.862 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001241.D

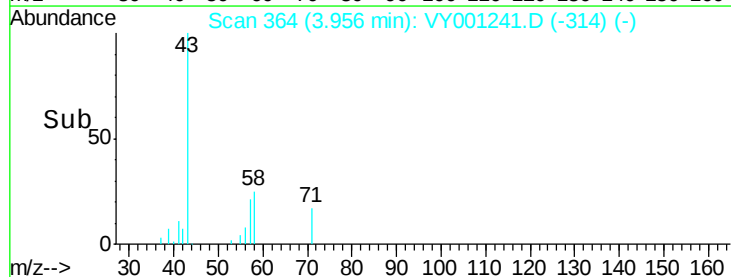
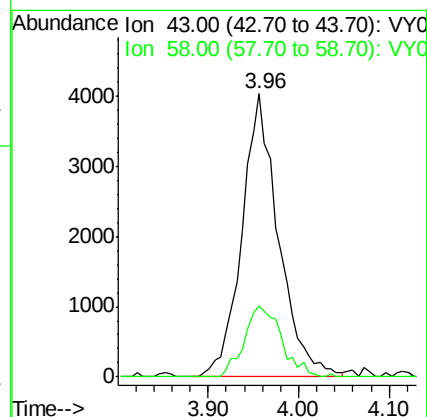
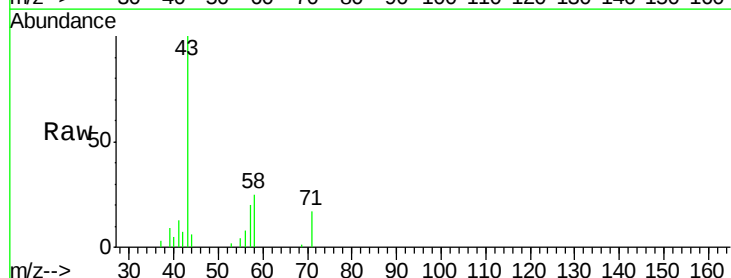
Acq: 16 Jan 2020 00:49

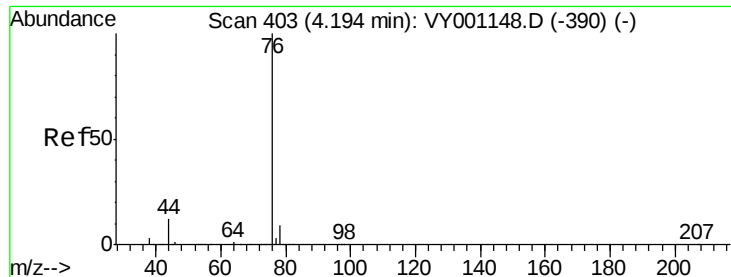
Tgt Ion: 43 Resp: 11289

Ion Ratio Lower Upper

43 100

58 24.9 25.8 38.6#

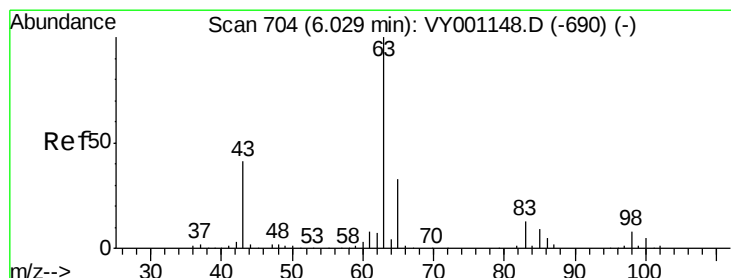
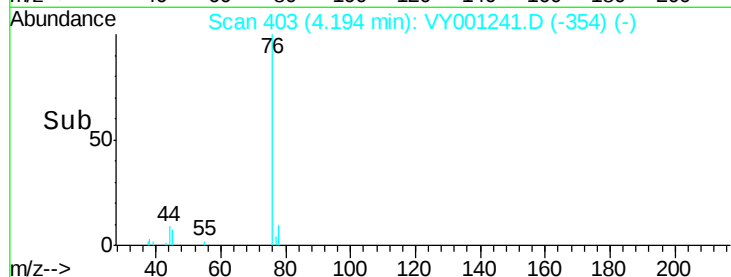
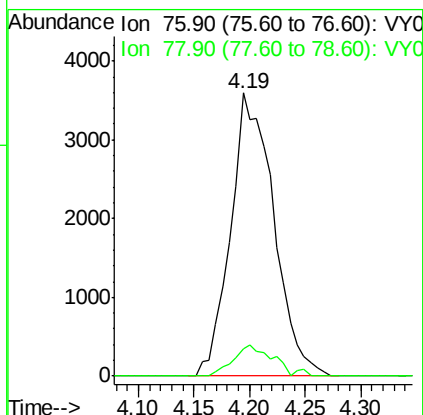
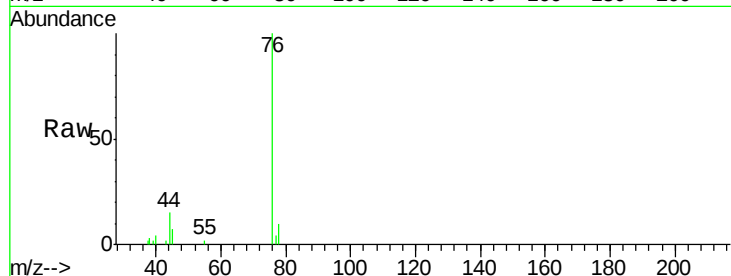




#17
Carbon Disulfide
Concen: 1.701 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.00 min
Lab File: VY001241.D
Acq: 16 Jan 2020 00:49

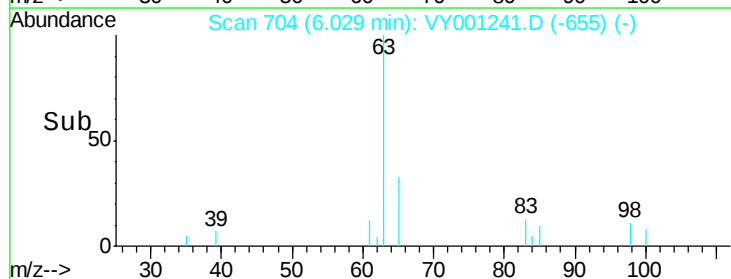
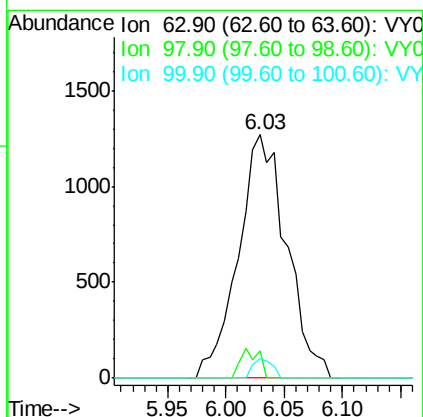
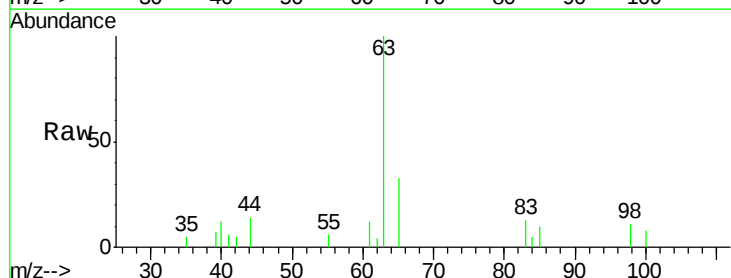
Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_20-21

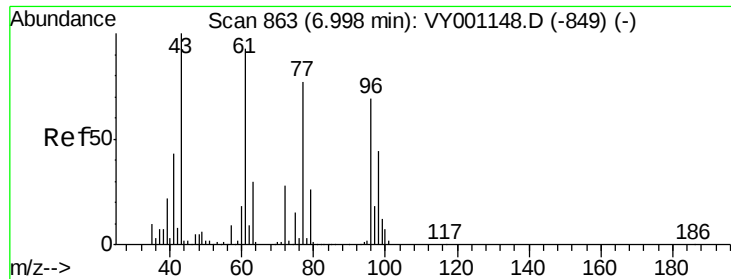
Tot Ion: 76 Resp: 9645
Ion Ratio Lower Upper
76 100
78 9.7 7.2 10.8



#24
1,1-Dichloroethane
Concen: 1.106 ug/l
RT: 6.03 min Scan# 704
Delta R.T. -0.00 min
Lab File: VY001241.D
Acq: 16 Jan 2020 00:49

Tgt Ion: 63 Resp: 3657
Ion Ratio Lower Upper
63 100
98 11.0 3.9 11.7
100 8.0 2.4 7.2#





#25

2-Butanone

Concen: 6.329 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY001241.D

Acq: 16 Jan 2020 00:49

Instrument :

MSVOA_Y

ClientSampleId :

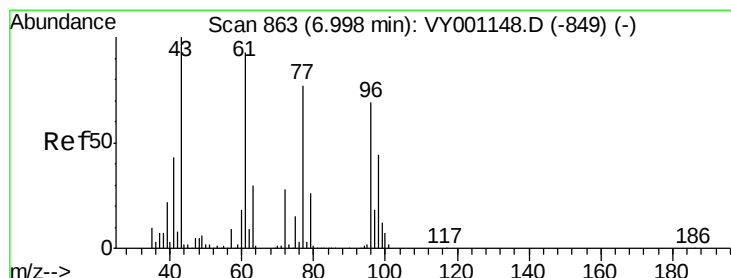
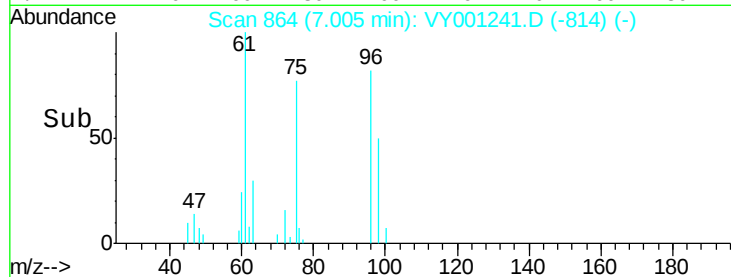
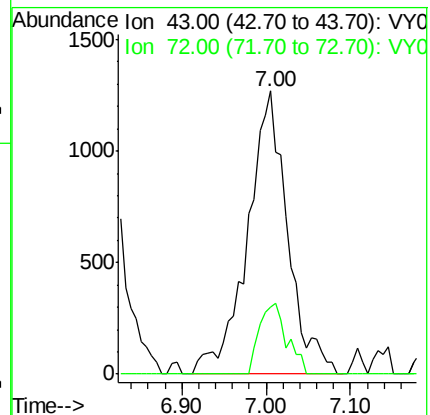
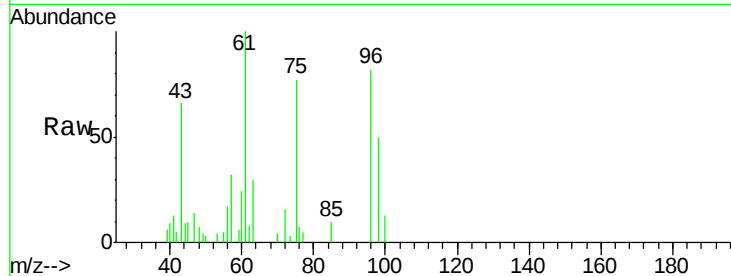
WP022SB457_200113_20-21

Tot Ion: 43 Resp: 4140

Ion Ratio Lower Upper

43 100

72 23.7 22.2 33.2



#27

cis-1,2-Dichloroethene

Concen: 2.145 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY001241.D

Acq: 16 Jan 2020 00:49

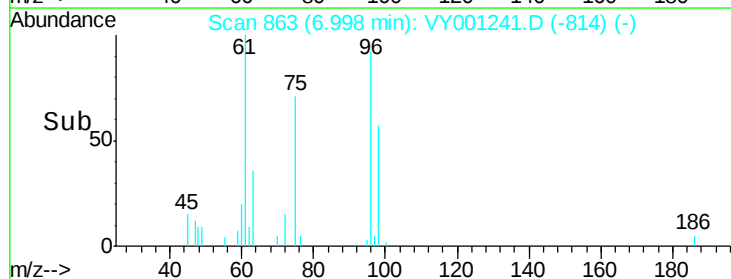
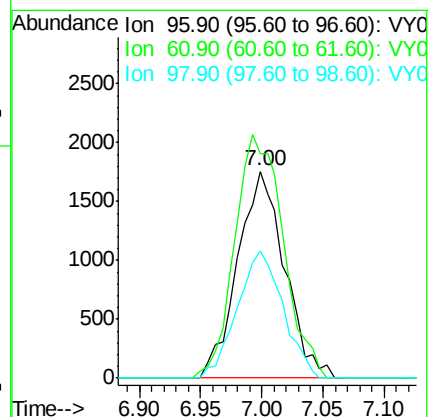
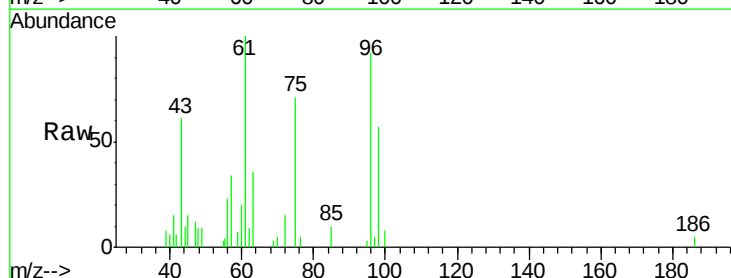
Tgt Ion: 96 Resp: 4669

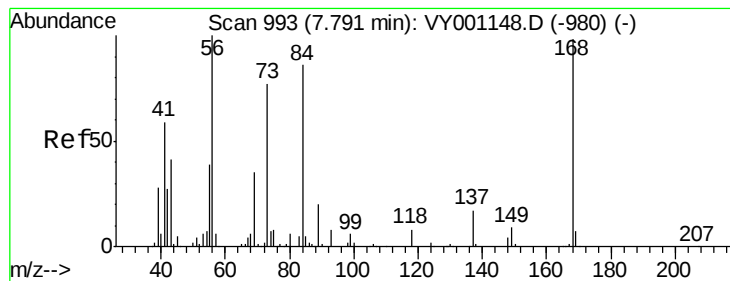
Ion Ratio Lower Upper

96 100

61 121.9 0.0 284.0

98 59.9 0.0 130.2





#31

Cyclohexane

Concen: 9.802 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY001241.D

Acq: 16 Jan 2020 00:49

Instrument :

MSVOA_Y

ClientSampleId :

WP022SB457_200113_20-21

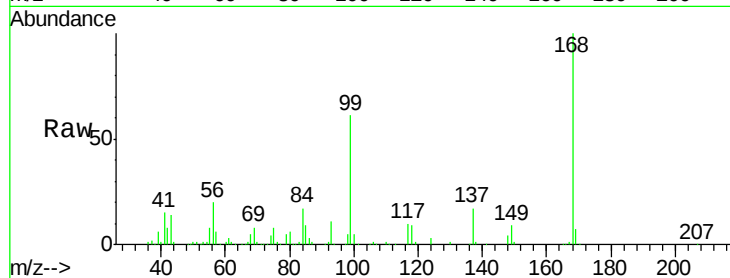
Tot Ion: 56 Resp: 34305

Ion Ratio Lower Upper

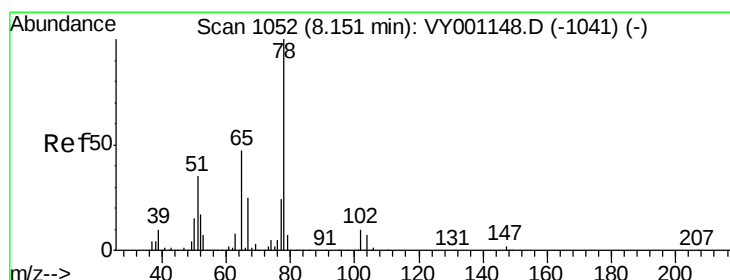
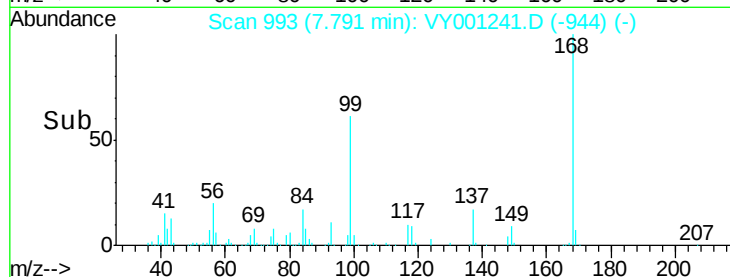
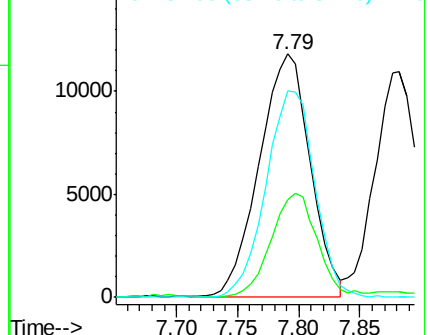
56 100

69 39.8 27.8 41.8

84 84.9 68.9 103.3



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: 54.322 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001241.D

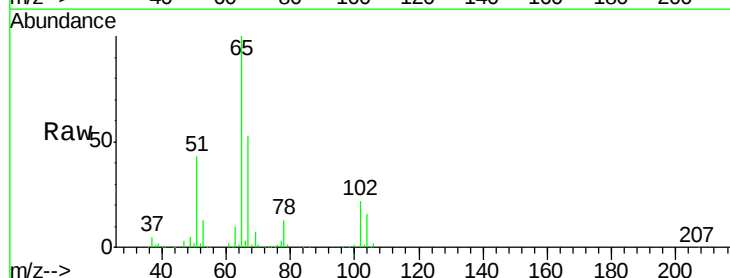
Acq: 16 Jan 2020 00:49

Tgt Ion: 65 Resp: 98302

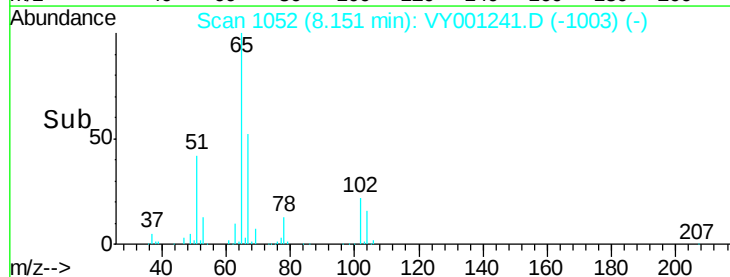
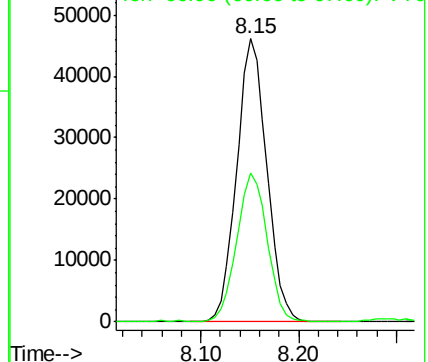
Ion Ratio Lower Upper

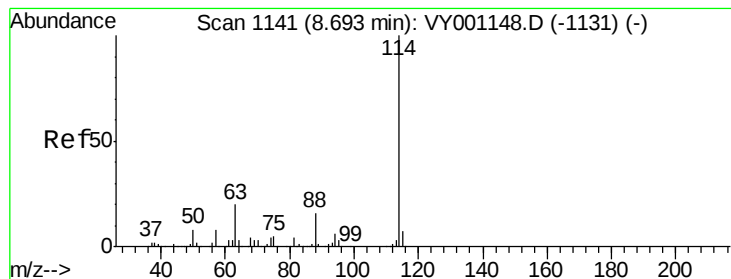
65 100

67 53.4 0.0 105.2



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: 8.70 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VY001241.D

Acq: 16 Jan 2020 00:49

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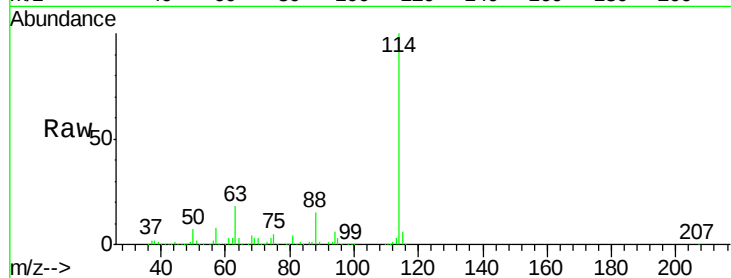
Tot Ion:114 Resp: 311526

Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.8

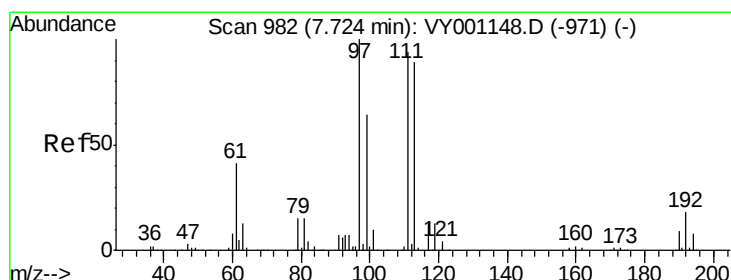
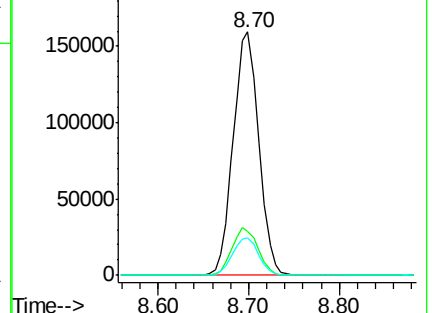
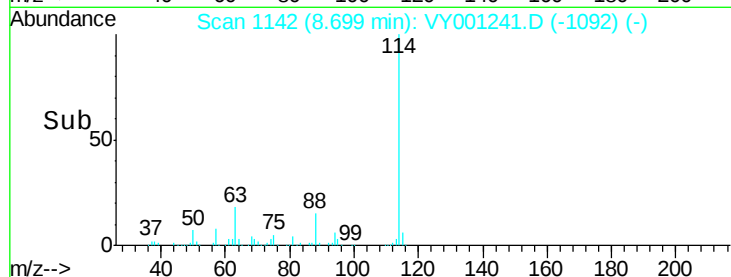
88 15.2 0.0 32.4



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: 50.424 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001241.D

Acq: 16 Jan 2020 00:49

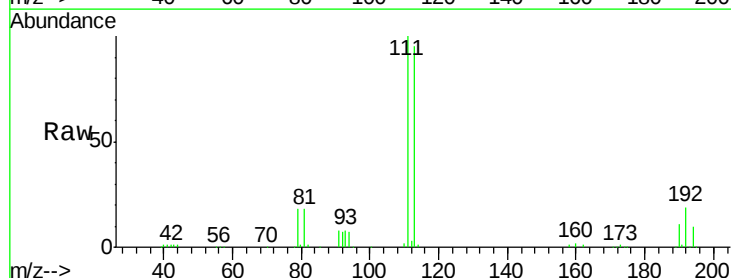
Tgt Ion:113 Resp: 91972

Ion Ratio Lower Upper

113 100

111 101.9 82.9 124.3

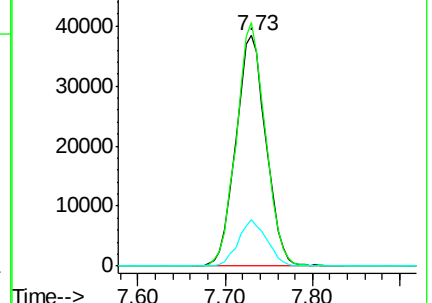
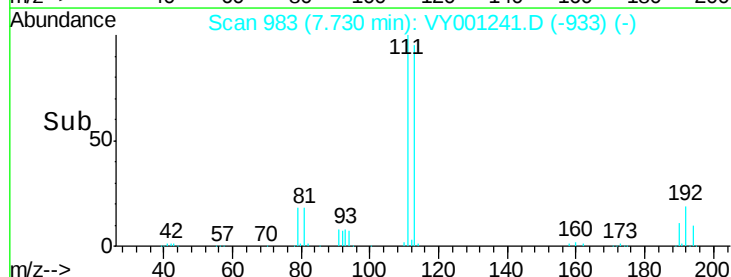
192 19.1 15.4 23.2

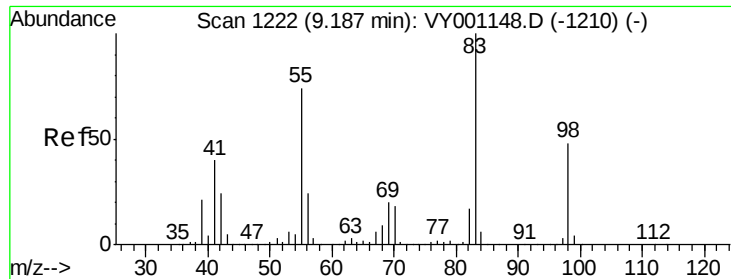


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

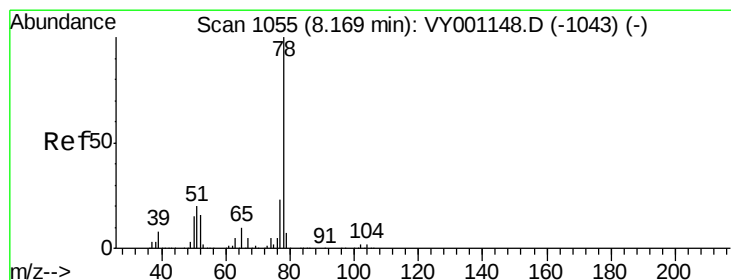
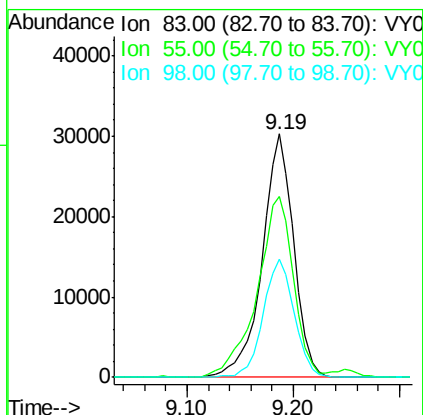
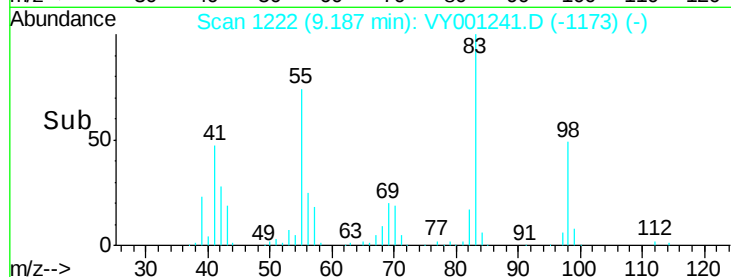
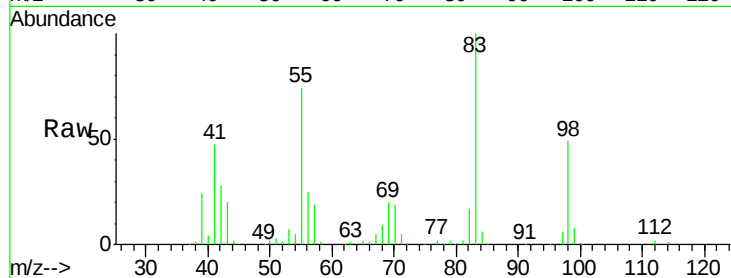




#39
Methvlcvclohexane
Concen: 16.269 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY001241.D
Acq: 16 Jan 2020 00:49

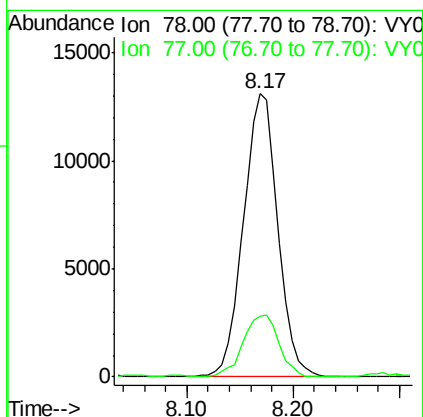
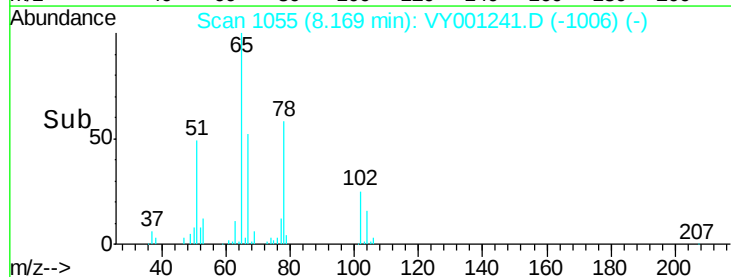
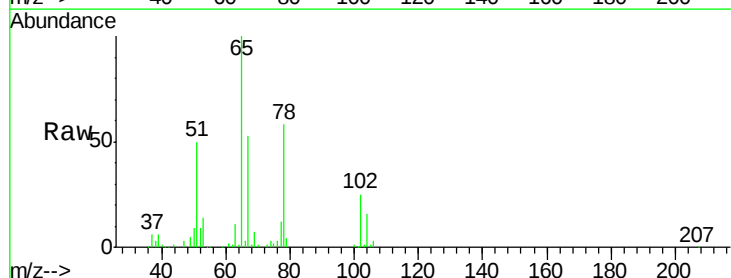
Instrument :
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WP022SB457_200113_20-21

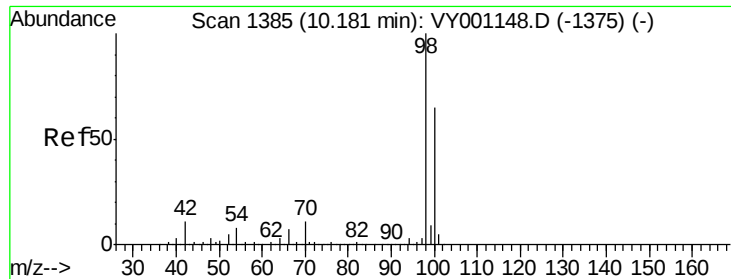
Tot Ion: 83 Resp: 62627
Ion Ratio Lower Upper
83 100
55 74.1 58.9 88.3
98 48.7 38.4 57.6



#40
Benzene
Concen: 3.570 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001241.D
Acq: 16 Jan 2020 00:49

Tgt Ion: 78 Resp: 29591
Ion Ratio Lower Upper
78 100
77 21.4 18.8 28.2





#50

Toluene-d8

Concen: 52.741 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001241.D

Acq: 16 Jan 2020 00:49

Instrument :

MSVOA_Y

ClientSampleId :

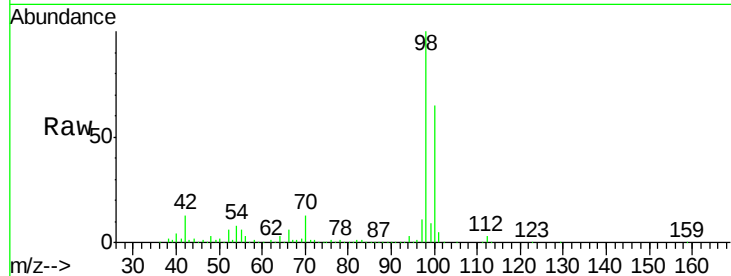
WP022SB457_200113_20-21

Tot Ion: 98 Resp: 370669

Ion Ratio Lower Upper

98 100

100 65.1 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

250000

200000

150000

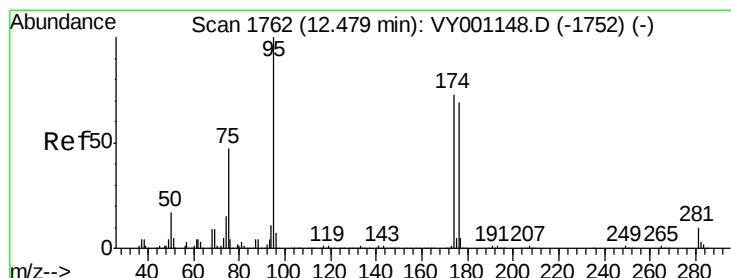
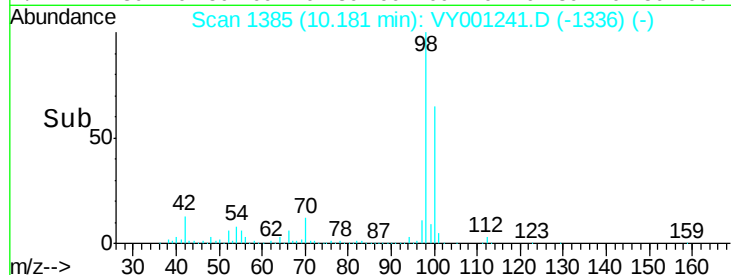
100000

50000

0

Time-->

10.10 10.20 10.30



#62

4-Bromofluorobenzene

Concen: 49.181 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY001241.D

Acq: 16 Jan 2020 00:49

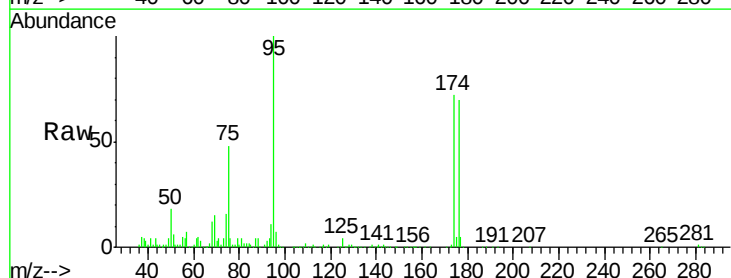
Tgt Ion: 95 Resp: 141311

Ion Ratio Lower Upper

95 100

174 73.9 0.0 143.2

176 70.0 0.0 136.0



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

120000

100000

80000

60000

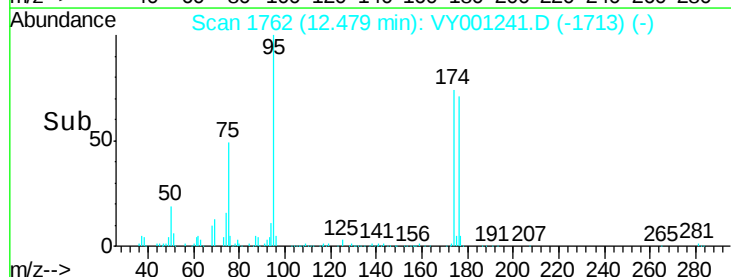
40000

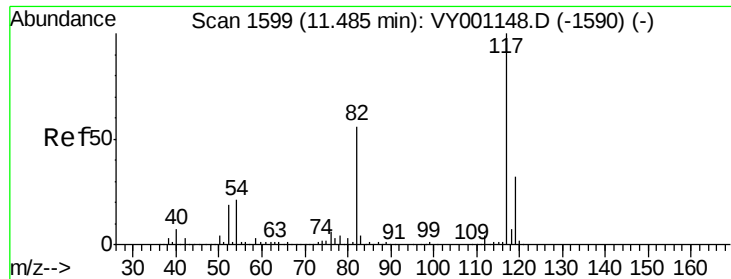
20000

0

Time-->

12.45 12.50

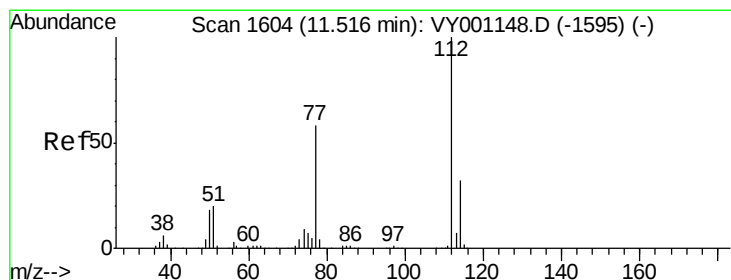
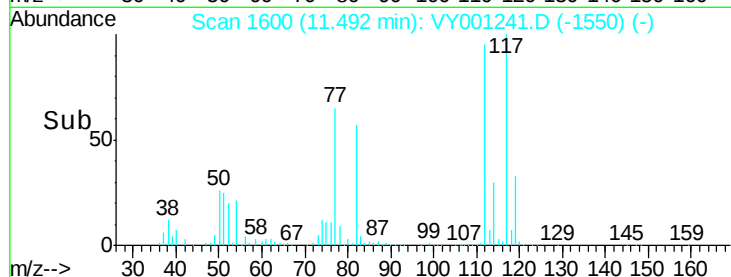
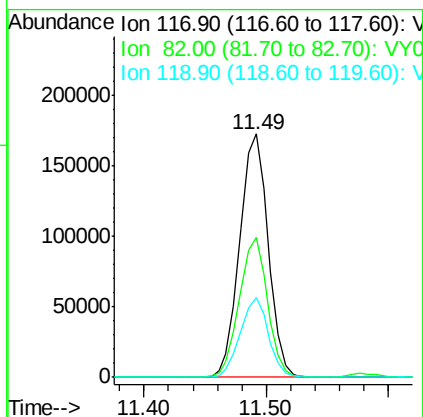
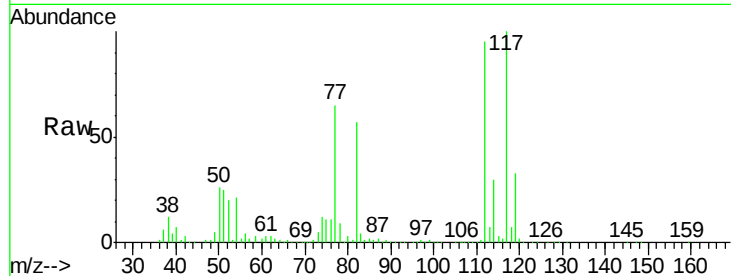




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001241.D
Acq: 16 Jan 2020 00:49

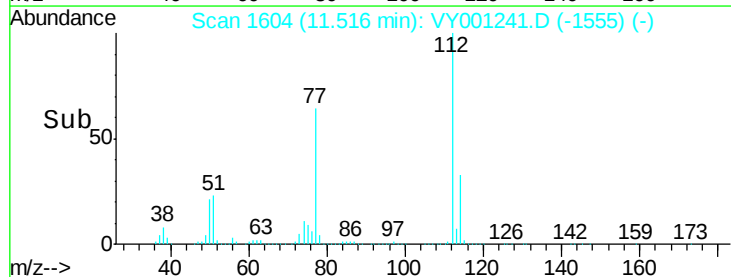
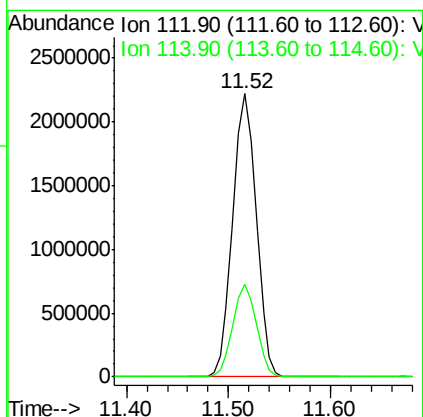
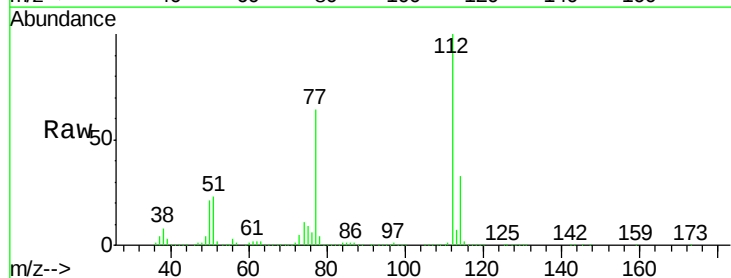
Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_20-21

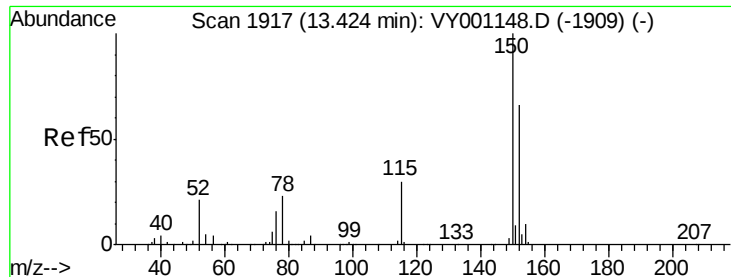
Tot Ion:117 Resp: 278549
Ion Ratio Lower Upper
117 100
82 57.2 44.9 67.3
119 32.5 25.7 38.5



#65
Chlorobenzene
Concen: 638.312 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY001241.D
Acq: 16 Jan 2020 00:49

Tgt Ion:112 Resp: 3552753
Ion Ratio Lower Upper
112 100
114 32.8 25.9 38.9



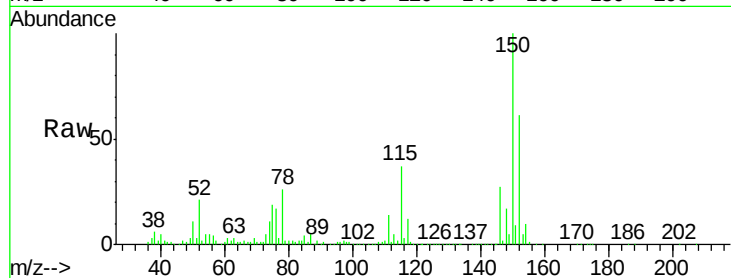


#72

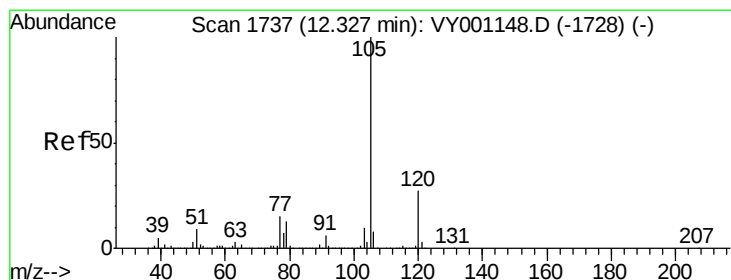
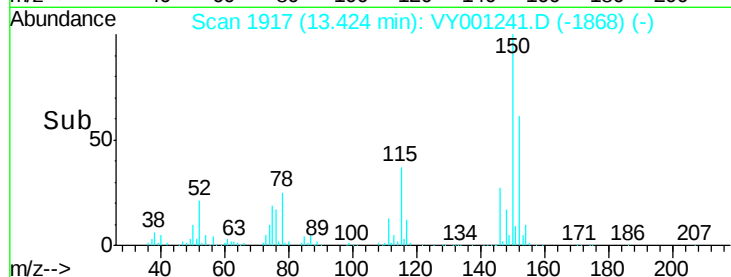
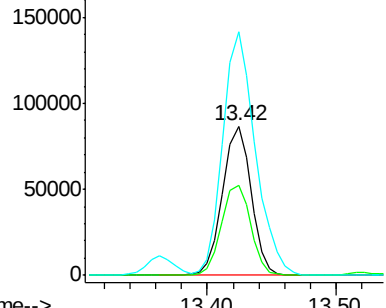
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001241.D
Acq: 16 Jan 2020 00:49

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_20-21

Tot Ion:152 Resp: 134042
Ion Ratio Lower Upper
152 100
115 61.0 30.9 92.5
150 183.8 0.0 346.8



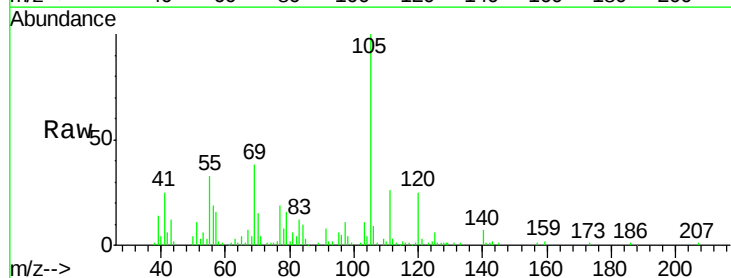
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



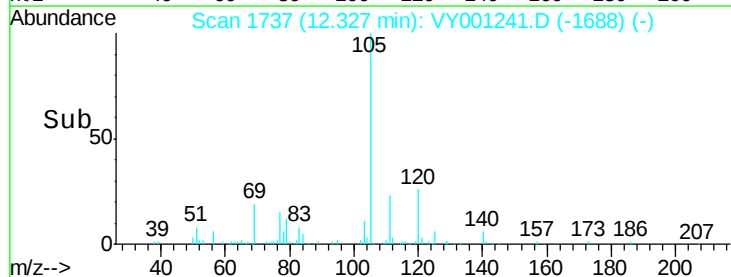
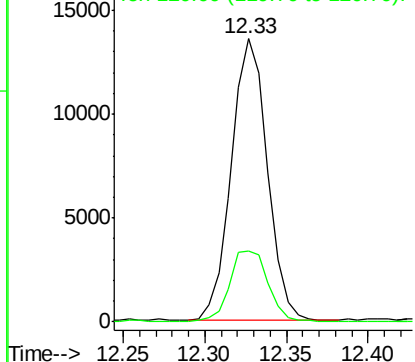
#73

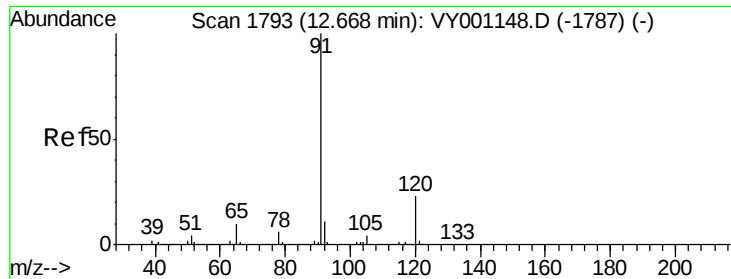
Isopropylbenzene
Concen: 2.076 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY001241.D
Acq: 16 Jan 2020 00:49

Tgt Ion:105 Resp: 20922
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

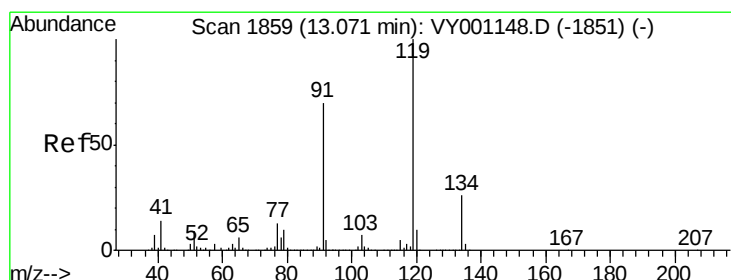
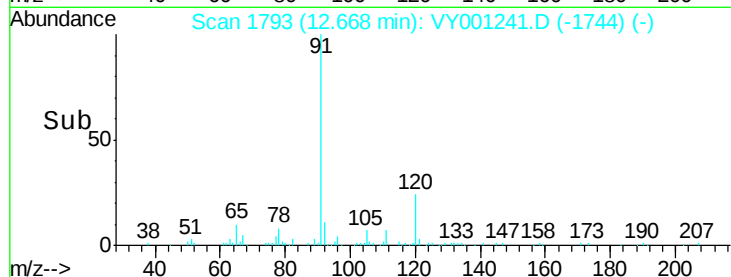
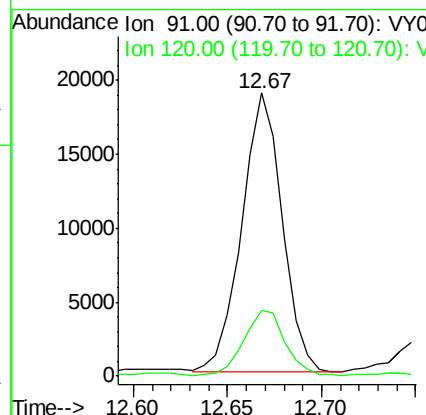
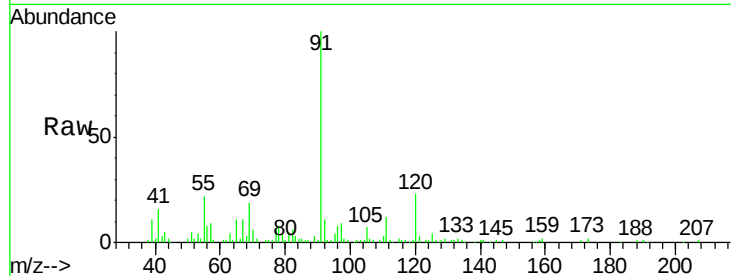




#78
n-propylbenzene
Concen: 2.318 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VY001241.D
Acq: 16 Jan 2020 00:49

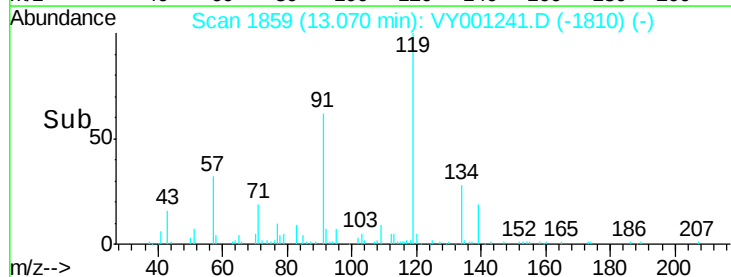
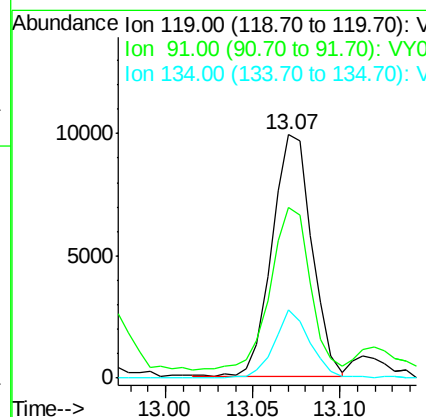
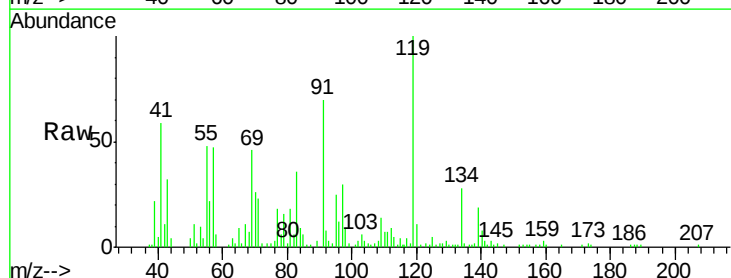
Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_20-21

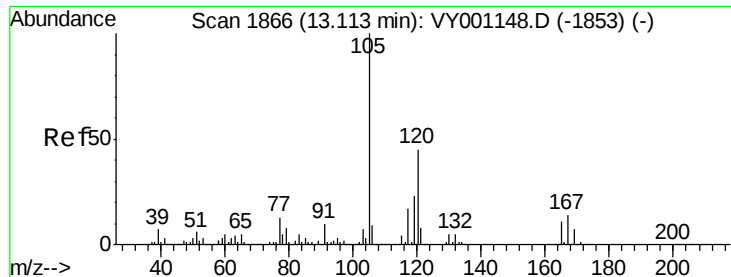
Tot Ion: 91 Resp: 28091
Ion Ratio Lower Upper
91 100
120 24.3 11.5 34.4



#83
tert-Butylbenzene
Concen: 2.234 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VY001241.D
Acq: 16 Jan 2020 00:49

Tgt Ion: 119 Resp: 15780
Ion Ratio Lower Upper
119 100
91 66.2 33.9 101.7
134 25.5 13.5 40.4

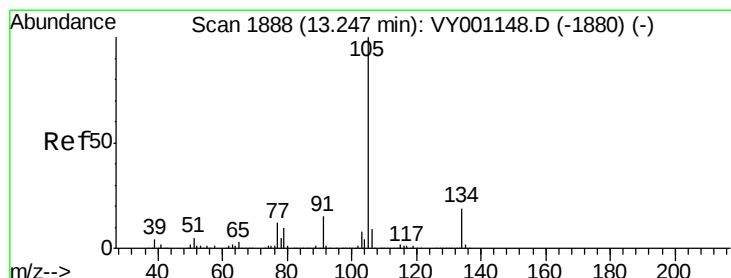
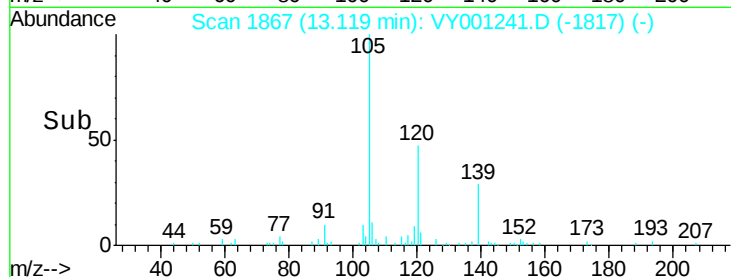
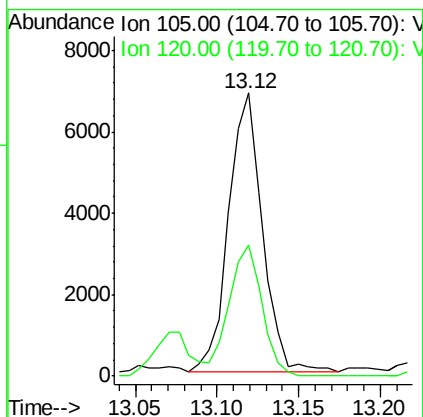
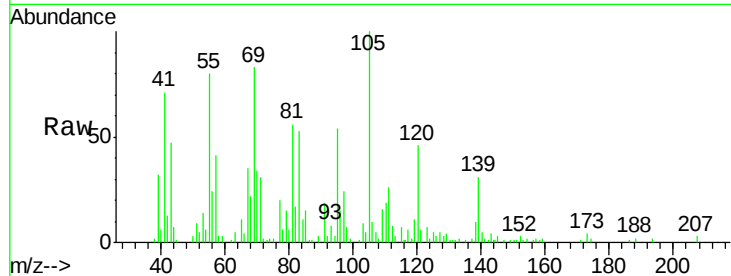




#84
1,2,4-Trimethylbenzene
Concen: 1.187 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VY001241.D
Acq: 16 Jan 2020 00:49

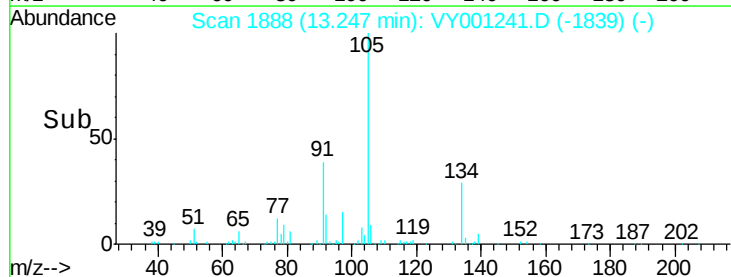
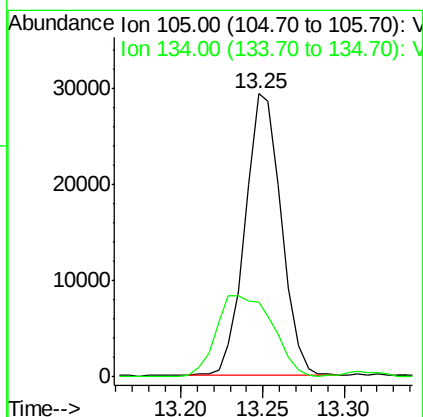
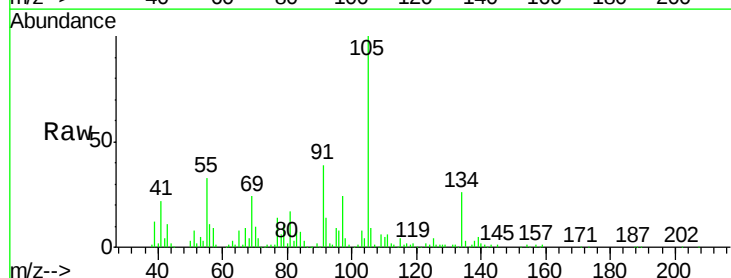
Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_20-21

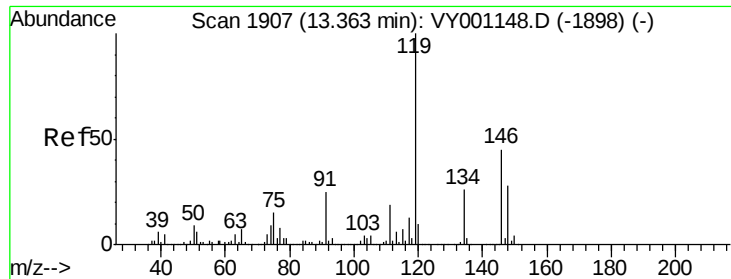
Tot Ion:105 Resp: 9914
Ion Ratio Lower Upper
105 100
120 45.2 22.8 68.3



#85
sec-Butylbenzene
Concen: 4.459 ug/l
RT: 13.25 min Scan# 1888
Delta R.T. -0.00 min
Lab File: VY001241.D
Acq: 16 Jan 2020 00:49

Tgt Ion:105 Resp: 45322
Ion Ratio Lower Upper
105 100
134 45.1 9.8 29.5#

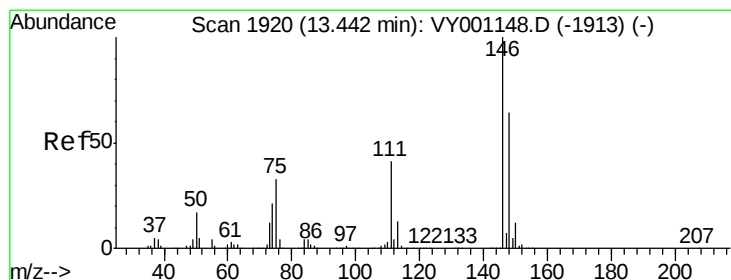
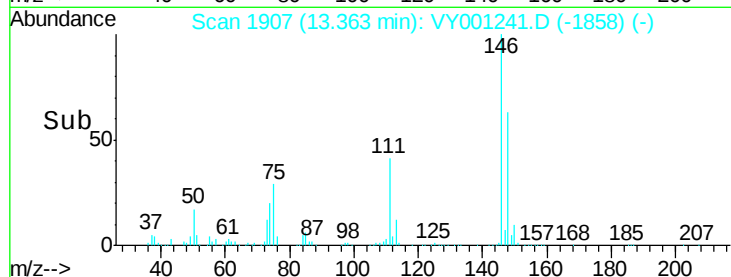
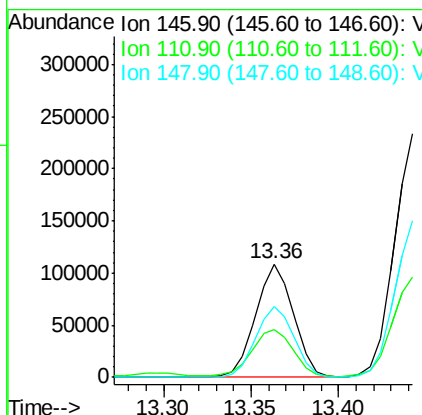
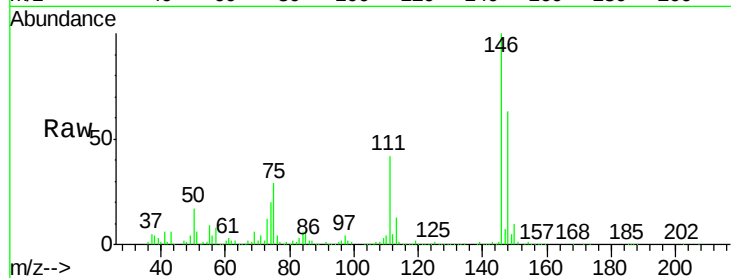




#87
 1,3-Dichlorobenzene
 Concen: 38.674 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY001241.D
 Acq: 16 Jan 2020 00:49

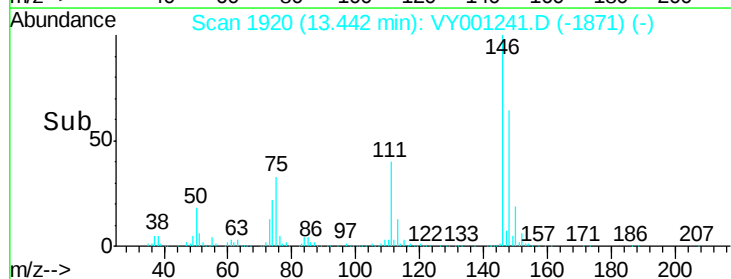
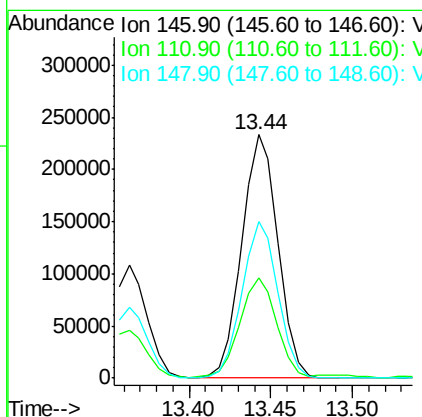
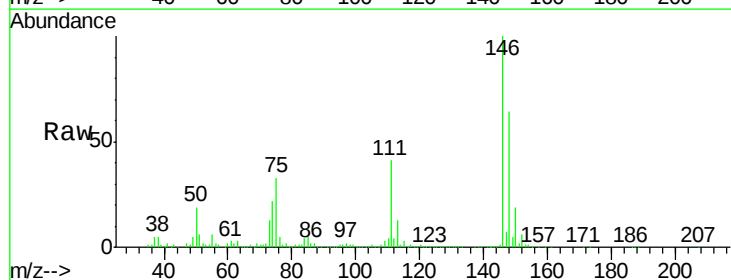
Instrument :
 MSVOA_Y
 ClientSampleId :
 WP022SB457_200113_20-21

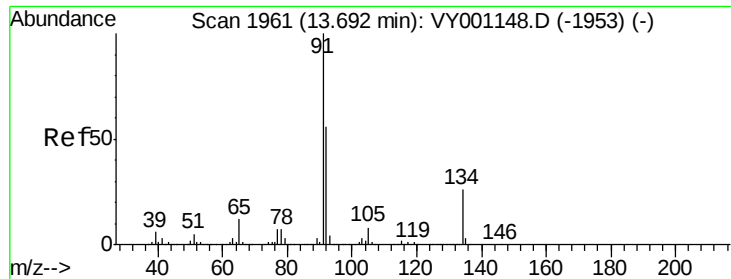
Tot Ion:146 Resp: 162857
 Ion Ratio Lower Upper
 146 100
 111 44.9 21.3 64.0
 148 63.2 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 82.872 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY001241.D
 Acq: 16 Jan 2020 00:49

Tgt Ion:146 Resp: 359163
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.8 62.5
 148 63.8 32.0 96.2

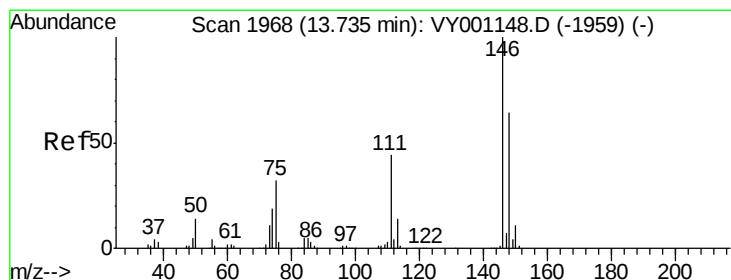
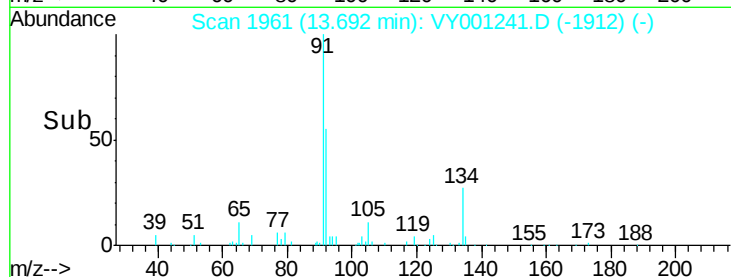
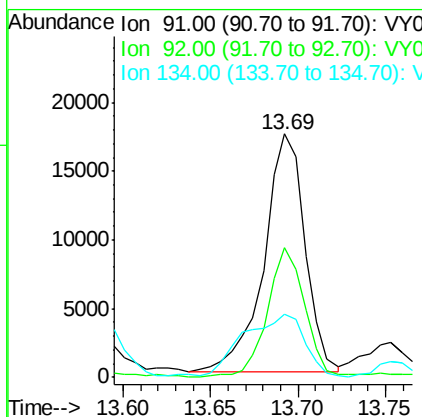
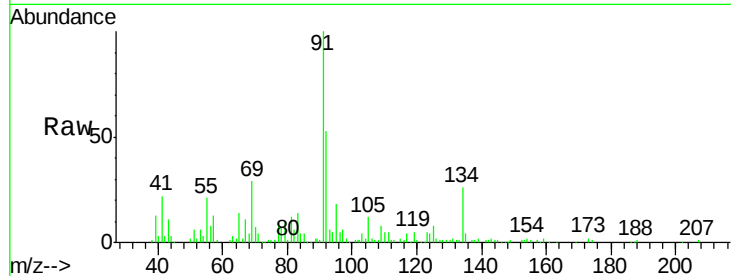




#89
n-Butylbenzene
Concen: 3.169 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY001241.D
Acq: 16 Jan 2020 00:49

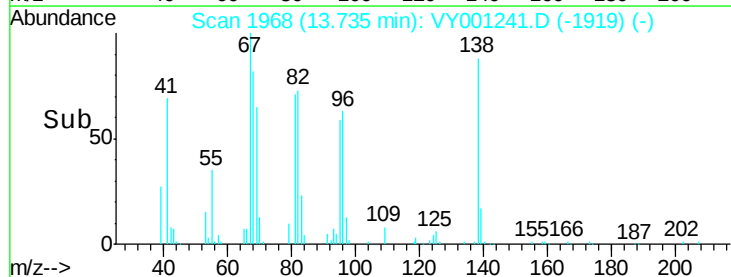
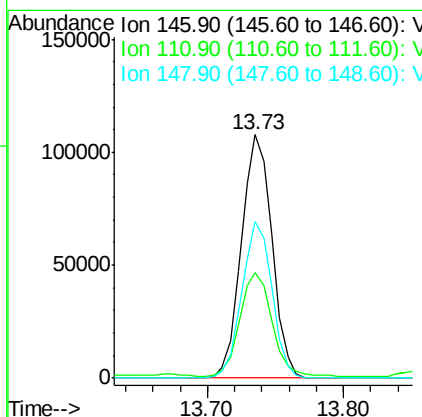
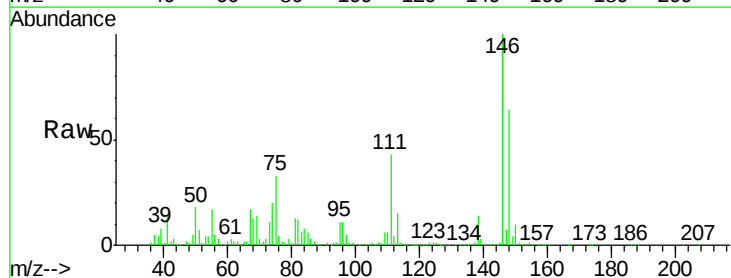
Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_20-21

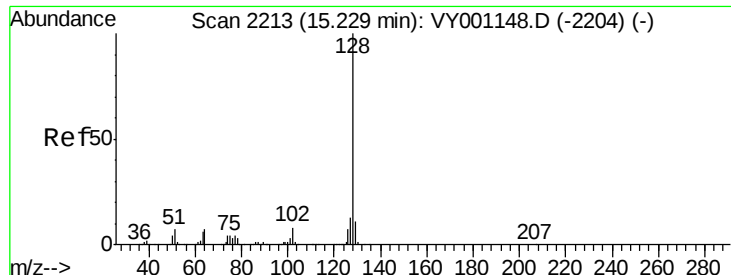
Tot Ion: 91 Resp: 28165
Ion Ratio Lower Upper
91 100
92 49.9 27.7 83.1
134 39.5 12.9 38.6#



#91
1,2-Dichlorobenzene
Concen: 43.265 ug/l
RT: 13.73 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VY001241.D
Acq: 16 Jan 2020 00:49

Tgt Ion: 146 Resp: 169323
Ion Ratio Lower Upper
146 100
111 45.5 22.0 66.0
148 63.2 32.1 96.3

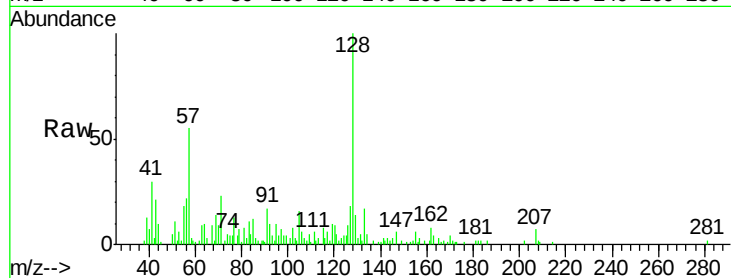




#95
Naphthalene
Concen: 1.483 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VY001241.D
Acq: 16 Jan 2020 00:49

Instrument :
MSVOA_Y
ClientSampleId :
WP022SB457_200113_20-21

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.4	10.2	15.4
129	12.2	8.5	12.7



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

