

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050720\
 Data File : VY002627.D
 Acq On : 07 May 2020 13:37
 Operator : SY/MD
 Sample : L2498-01
 Misc : 6.97G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-02-050620

Quant Time: May 08 02:36:49 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

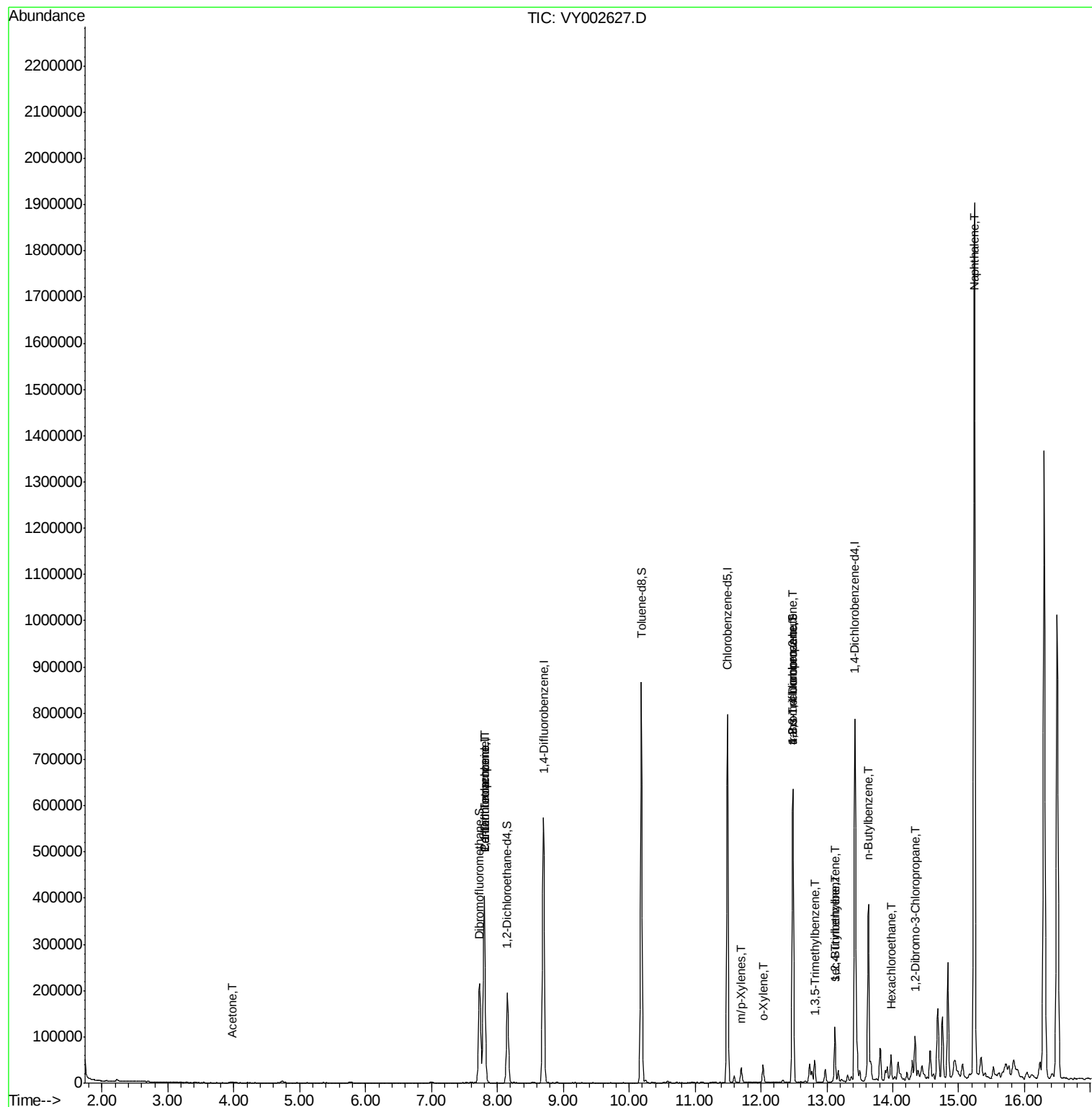
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	337256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	521471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	460927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	222825	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	148556	52.39	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.78%	
35) Dibromofluoromethane	7.73	113	156727	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	10.19	98	600309	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
62) 4-Bromofluorobenzene	12.49	95	195619	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
Target Compounds						
					Qvalue	
16) Acetone	3.96	43	2609	4.458	ug/l #	83
36) 1,1-Dichloropropene	7.80	75	20839	4.767	ug/l #	49
38) Carbon Tetrachloride	7.80	117	29607	6.203	ug/l #	16
68) m/p-Xylenes	11.70	106	10389	1.744	ug/l	98
69) o-Xylene	12.03	106	10126	1.816	ug/l	98
76) 1,2,3-Trichloropropane	12.49	75	92416	46.671	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	22780	1.903	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.49	75	92416	93.584	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.13	105	66077	5.539	ug/l	99
85) sec-Butylbenzene	13.13	105	66077	4.537	ug/l #	54
89) n-Butylbenzene	13.63	91	35109	2.826	ug/l #	44
90) Hexachloroethane	13.97	117	3213	1.293	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.34	75	809	1.890	ug/l #	1
95) Naphthalene	15.24	128	1598635	198.093	ug/l	100

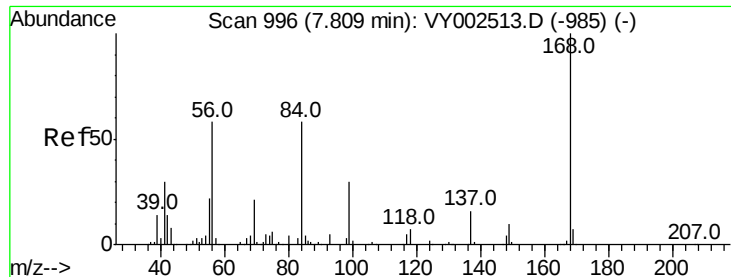
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VY002627.D

Acq: 07 May 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

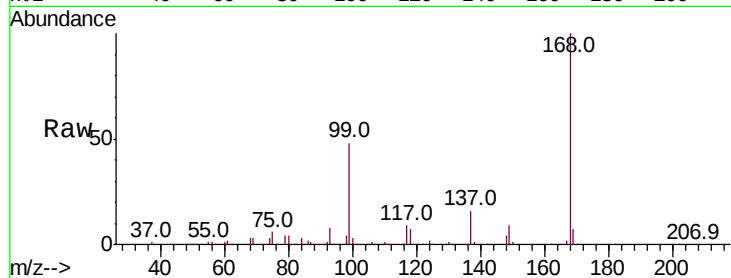
CL-02-050620

Tot Ion:168 Resp: 337256

Ion Ratio Lower Upper

168 100

99 48.3 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

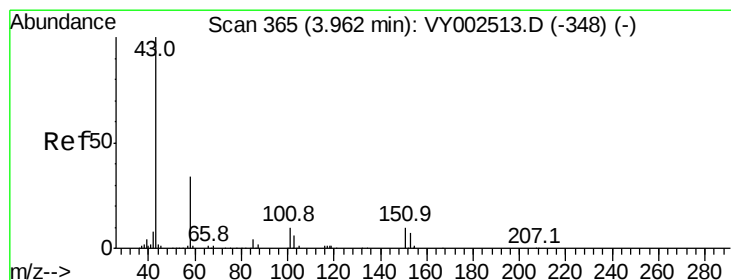
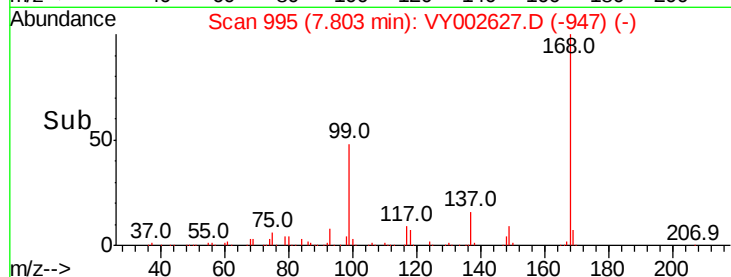
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 4.458 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.00 min

Lab File: VY002627.D

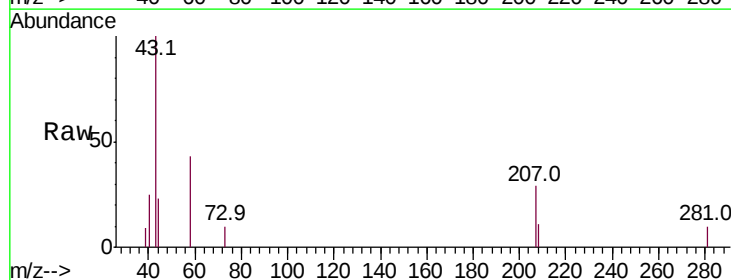
Acq: 07 May 2020 13:37

Tgt Ion: 43 Resp: 2609

Ion Ratio Lower Upper

43 100

58 43.3 26.9 40.3#



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-348) (-)

Ion 58.00 (57.70 to 58.70): VY002513.D (-348) (-)

3.96

1000

800

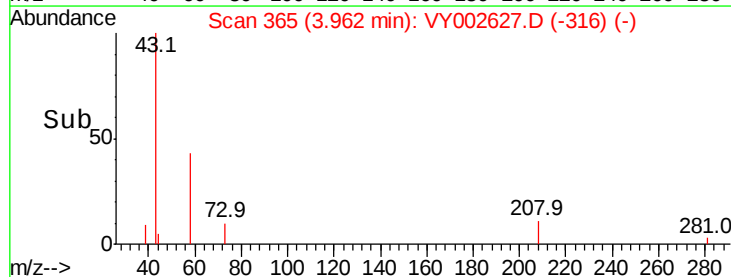
600

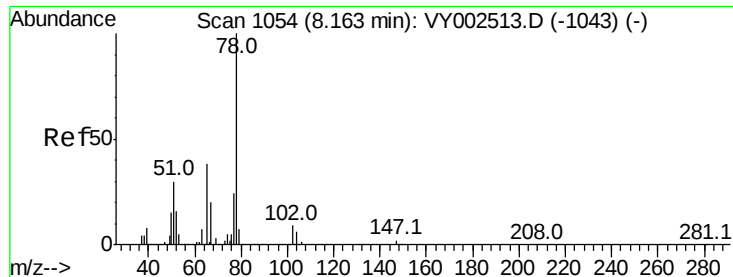
400

200

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.388 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002627.D

Acq: 07 May 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

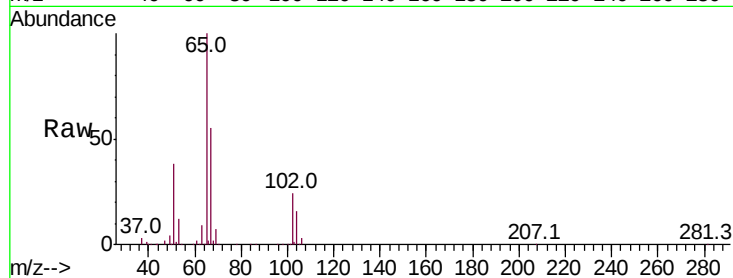
CL-02-050620

Tot Ion: 65 Resp: 148556

Ion Ratio Lower Upper

65 100

67 54.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.15

60000

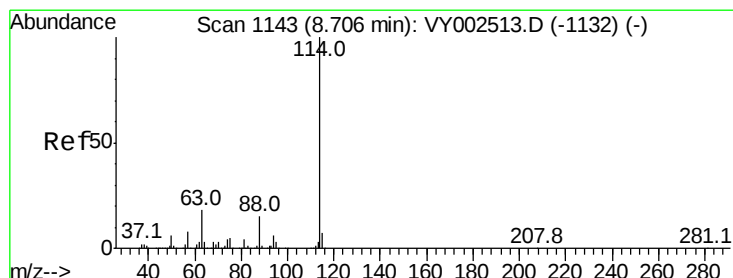
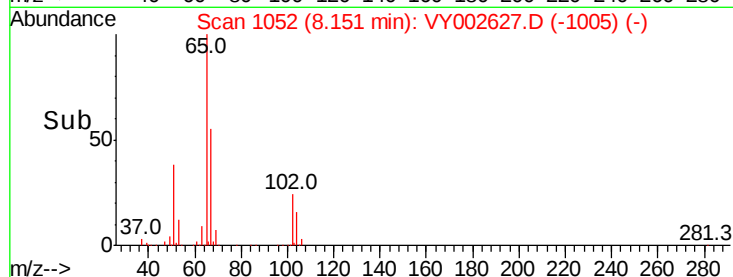
40000

20000

0

8.10 8.20 8.30

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY002627.D

Acq: 07 May 2020 13:37

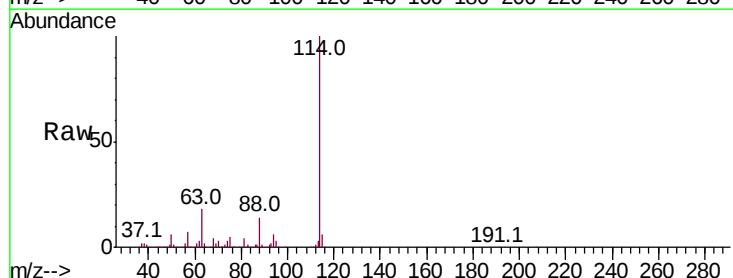
Tgt Ion: 114 Resp: 521471

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.4

88 14.3 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

300000

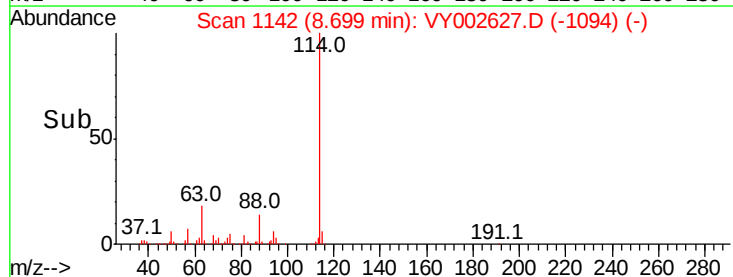
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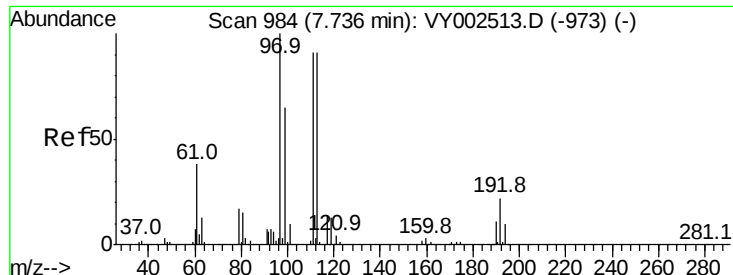
100000

0

8.60 8.70 8.80

Time-->

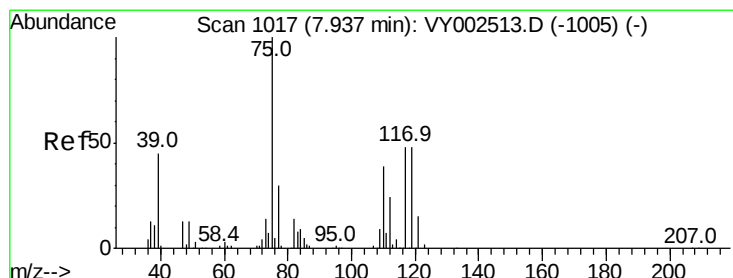
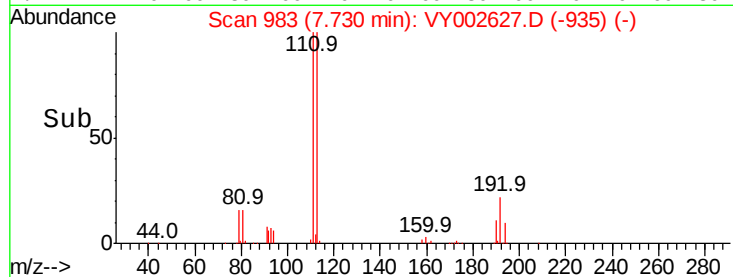
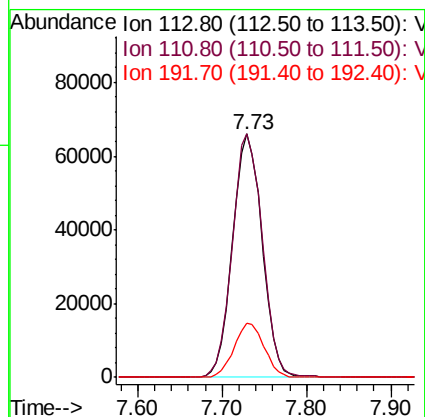
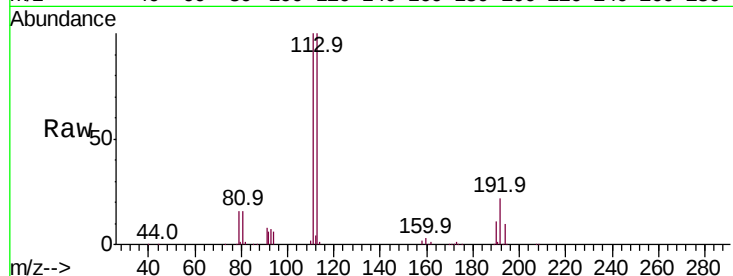




#35
 Dibromofluoromethane
 Concen: 52.552 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002627.D
 Acq: 07 May 2020 13:37

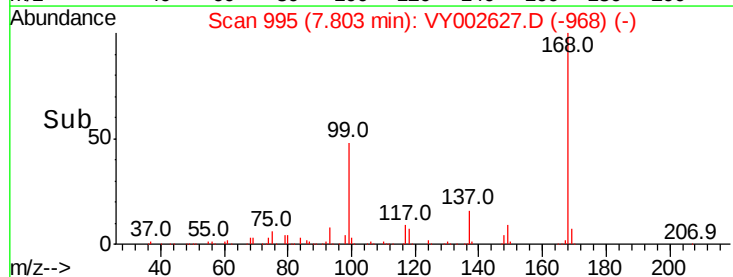
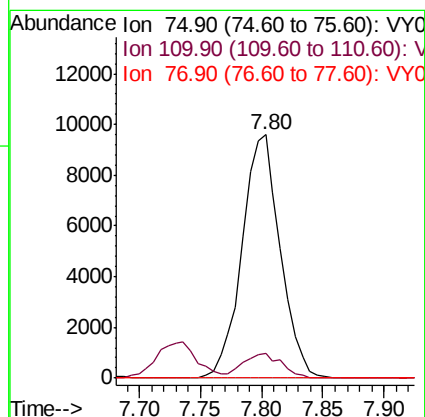
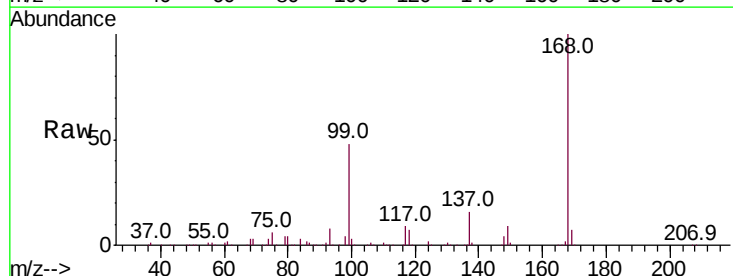
Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-02-050620

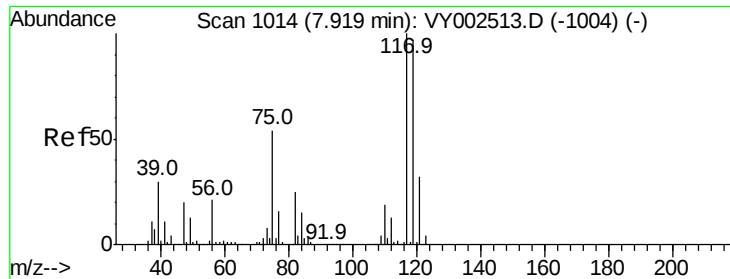
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.8	122.6
192	22.4	18.2	27.4



#36
 1,1-Dichloropropene
 Concen: 4.767 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002627.D
 Acq: 07 May 2020 13:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	19.1	57.3#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 6.203 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY002627.D

Acq: 07 May 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

CL-02-050620

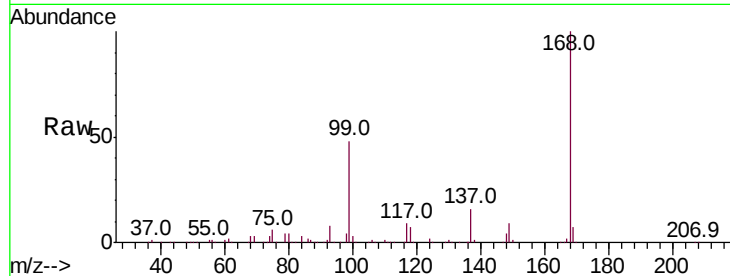
Tot Ion:117 Resp: 29607

Ion Ratio Lower Upper

117 100

119 5.1 77.1 115.7#

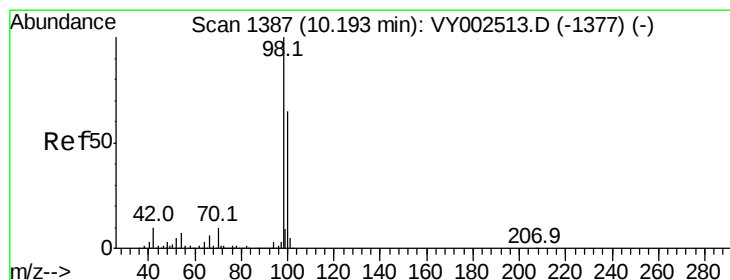
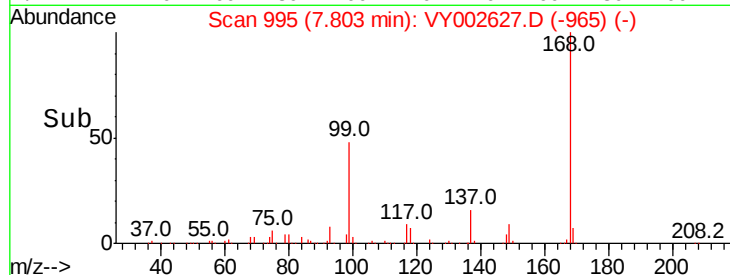
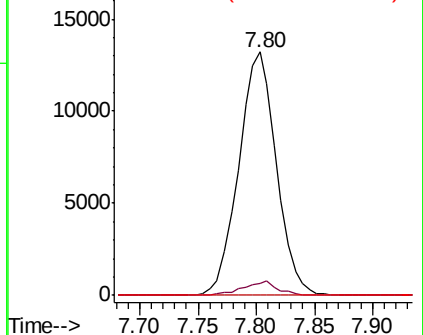
121 0.0 25.2 37.8#



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



#50

Toluene-d8

Concen: 51.545 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY002627.D

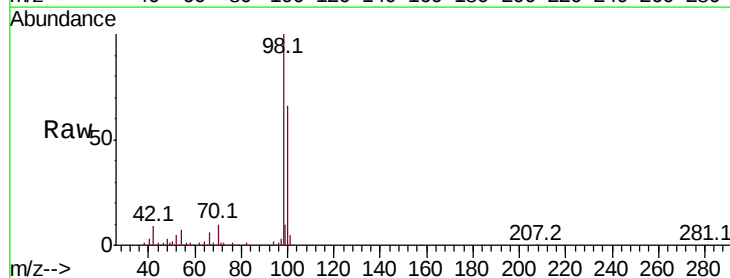
Acq: 07 May 2020 13:37

Tgt Ion: 98 Resp: 600309

Ion Ratio Lower Upper

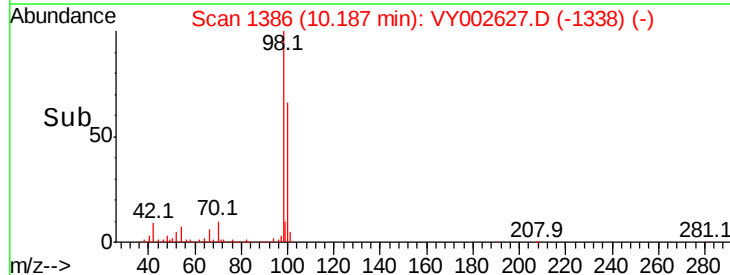
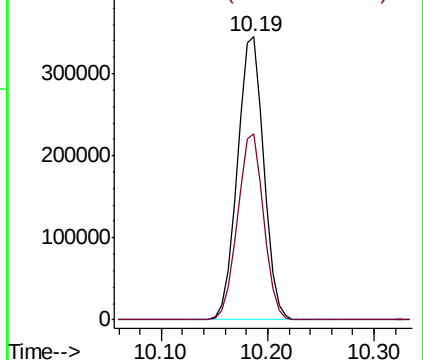
98 100

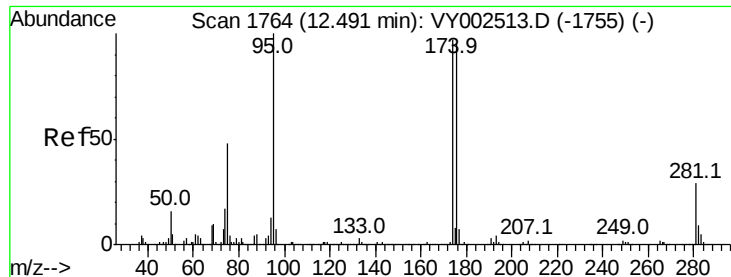
100 65.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

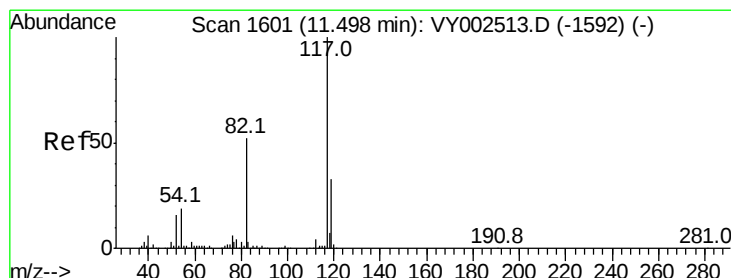
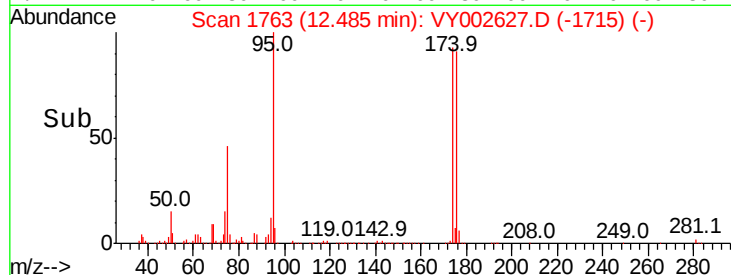
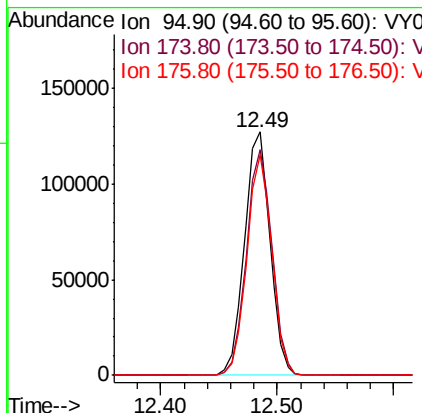
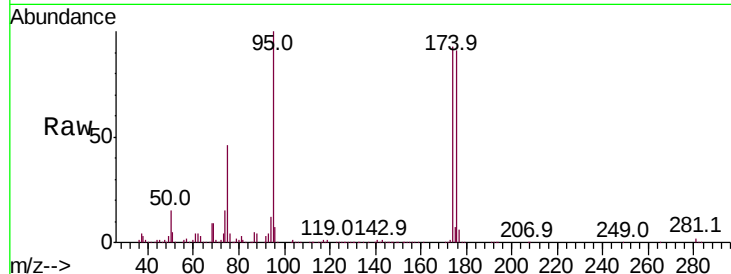




#62
4-Bromofluorobenzene
Concen: 49.500 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY002627.D
Acq: 07 May 2020 13:37

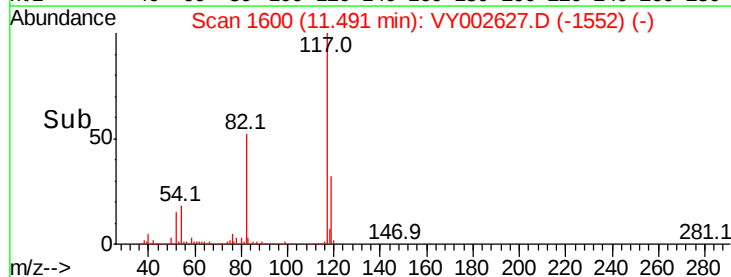
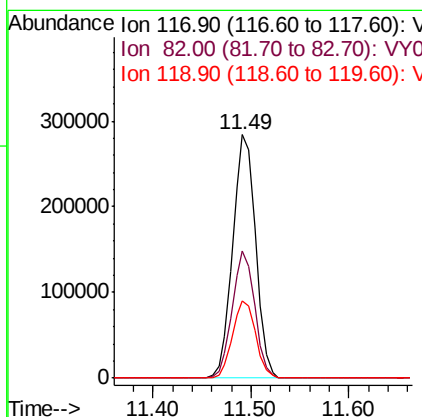
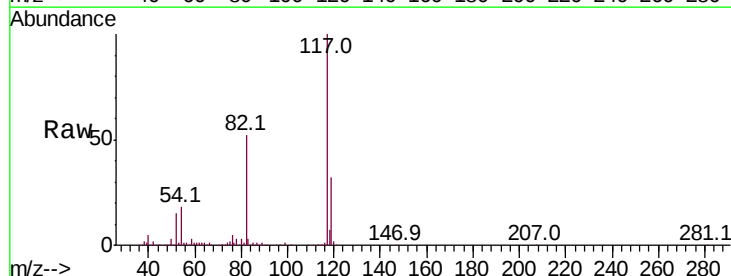
Instrument :
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CL-02-050620

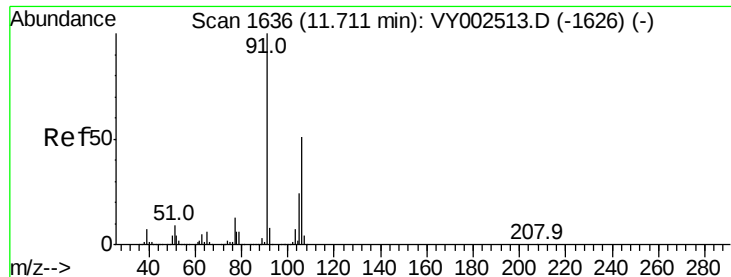
Tot Ion	95	Resp	195619
Ion Ratio	Lower	Upper	
95	100		
174	92.6	0.0	188.8
176	88.4	0.0	183.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002627.D
Acq: 07 May 2020 13:37

Tgt Ion	117	Resp	460927
Ion Ratio	Lower	Upper	
117	100		
82	52.1	41.3	61.9
119	32.0	26.0	39.0





#68

m/p-Xylenes

Concen: 1.744 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VY002627.D

Acq: 07 May 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

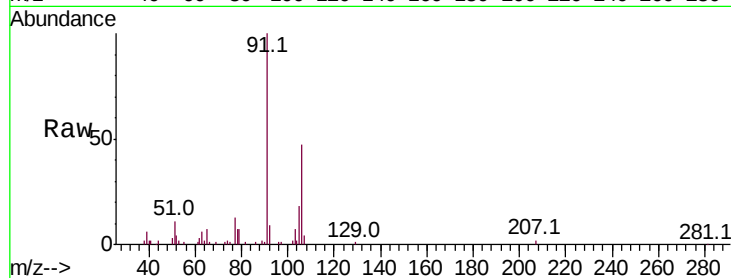
CL-02-050620

Tot Ion:106 Resp: 10389

Ion Ratio Lower Upper

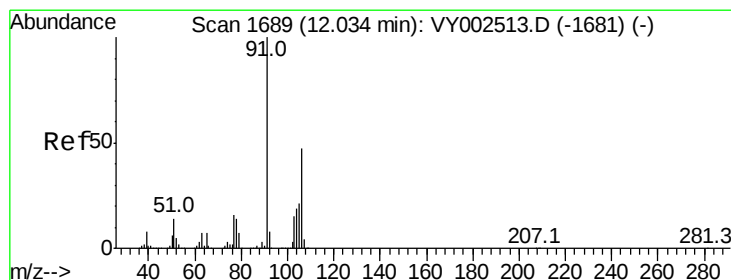
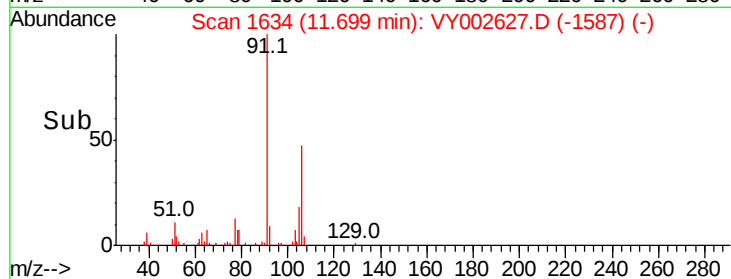
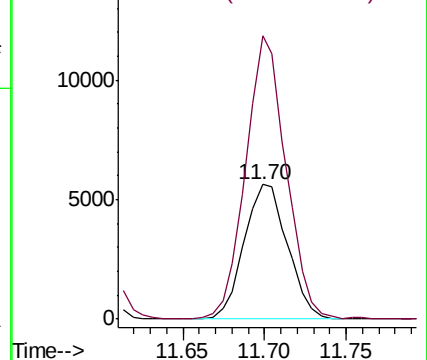
106 100

91 196.6 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 1.816 ug/l

RT: 12.03 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VY002627.D

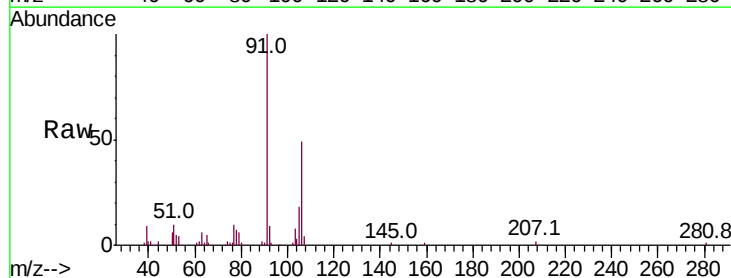
Acq: 07 May 2020 13:37

Tgt Ion:106 Resp: 10126

Ion Ratio Lower Upper

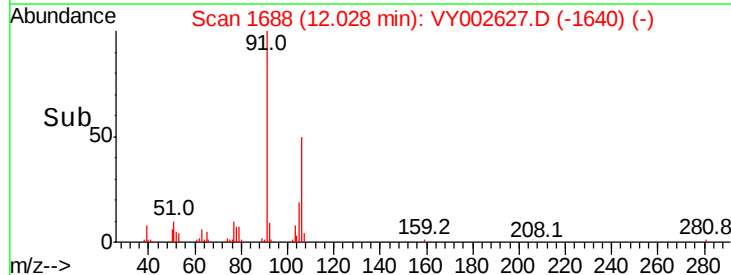
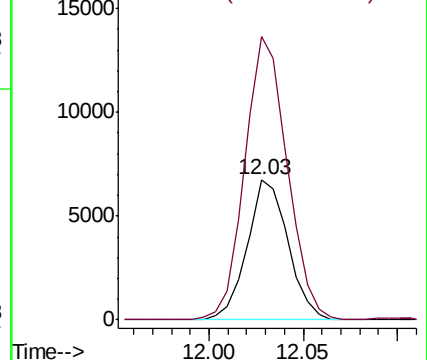
106 100

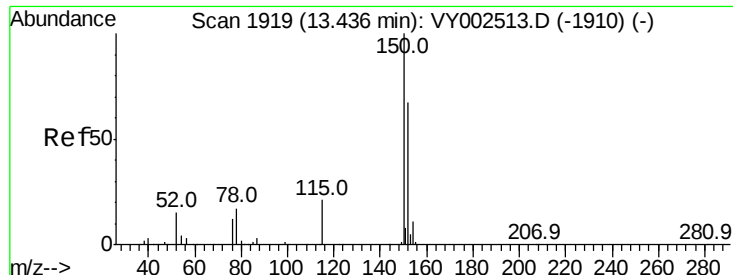
91 210.2 103.8 311.3



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: VY002627.D

Acq: 07 May 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

CL-02-050620

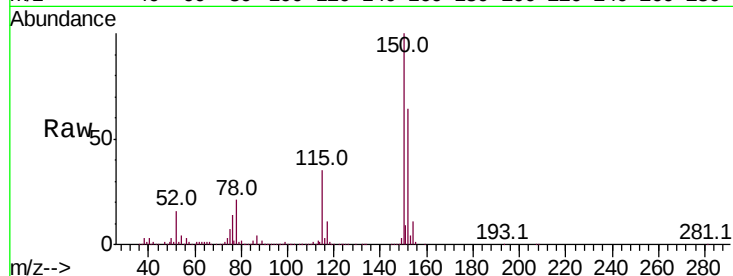
Tot Ion:152 Resp: 222825

Ion Ratio Lower Upper

152 100

115 55.0 27.5 82.4

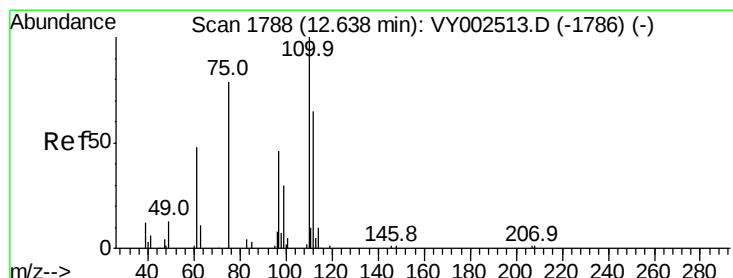
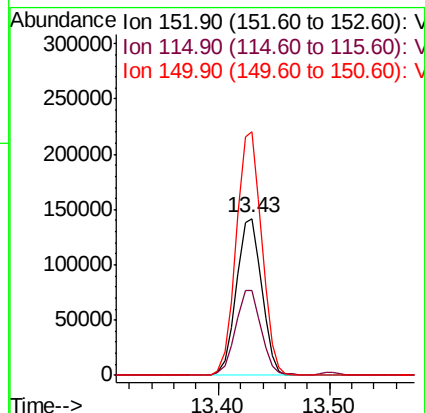
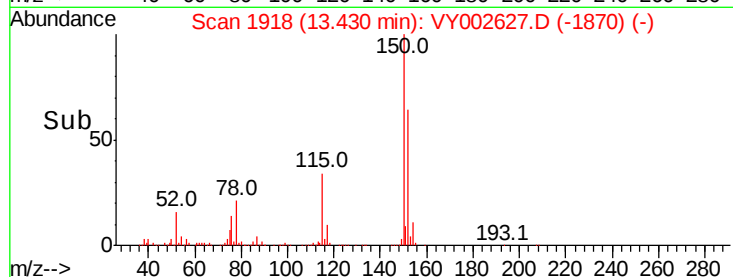
150 155.8 0.0 346.4



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



#76

1,2,3-Trichloropropane

Concen: 46.671 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002627.D

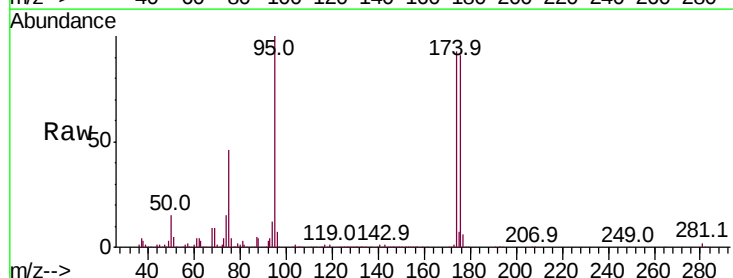
Acq: 07 May 2020 13:37

Tgt Ion: 75 Resp: 92416

Ion Ratio Lower Upper

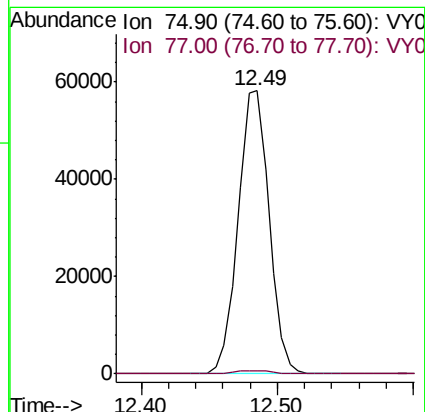
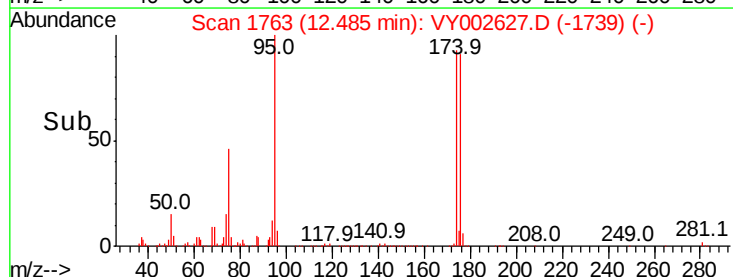
75 100

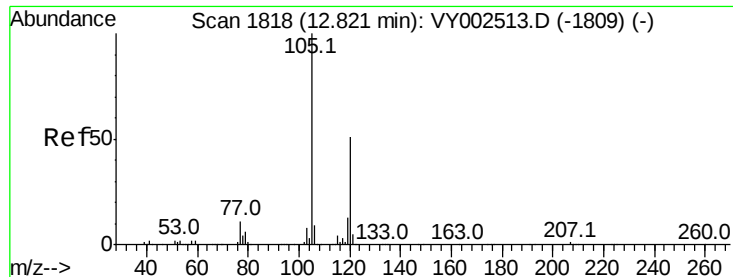
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

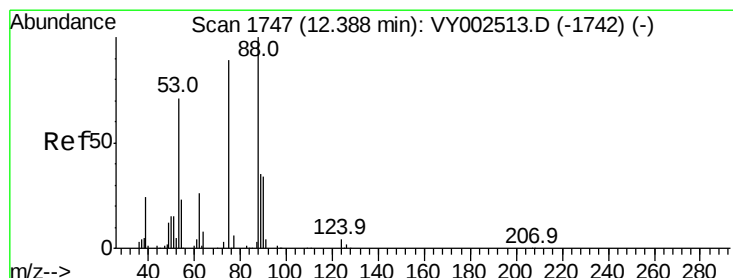
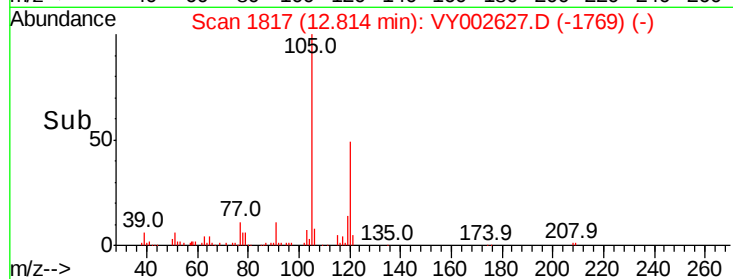
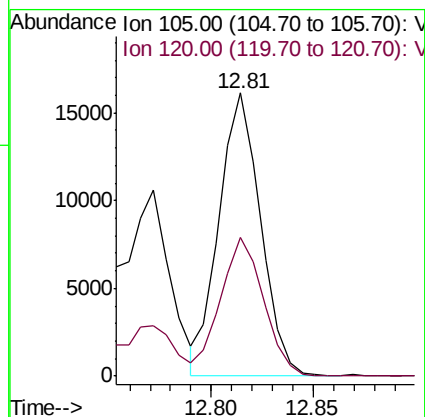
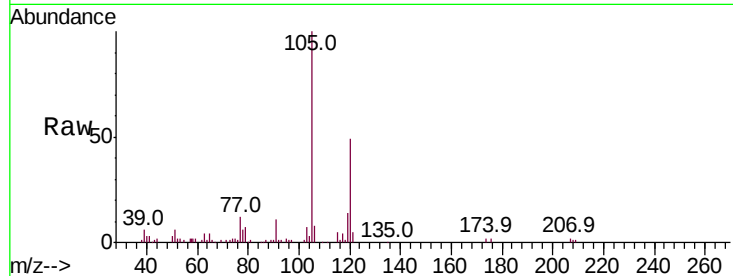




#80
 1,3,5-Trimethylbenzene
 Concen: 1.903 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: VY002627.D
 Acq: 07 May 2020 13:37

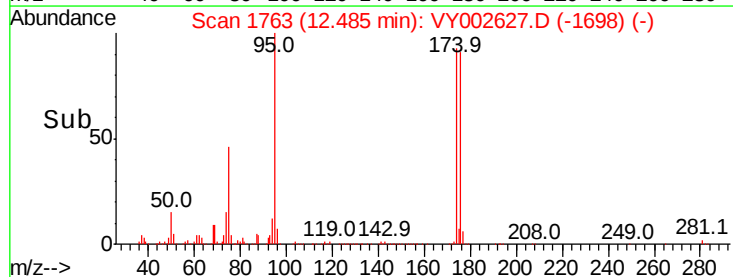
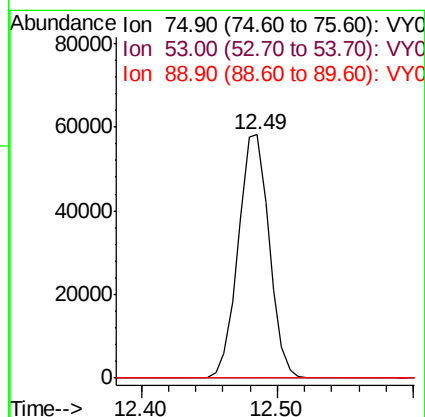
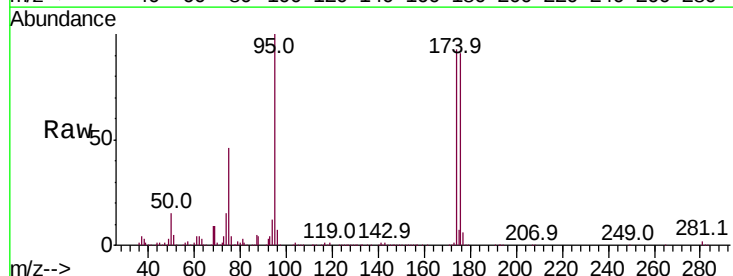
Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-02-050620

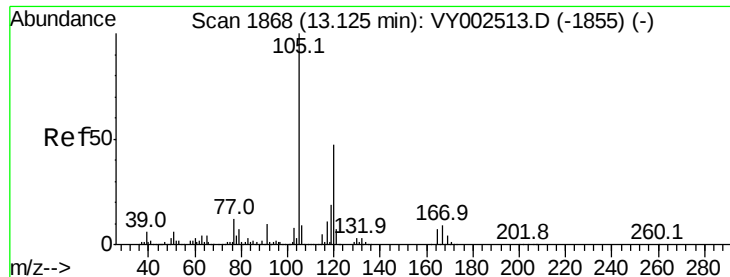
Tot Ion:105 Resp: 22780
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.3 75.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.584 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.10 min
 Lab File: VY002627.D
 Acq: 07 May 2020 13:37

Tgt Ion: 75 Resp: 92416
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.0#
 89 0.1 37.4 56.0#

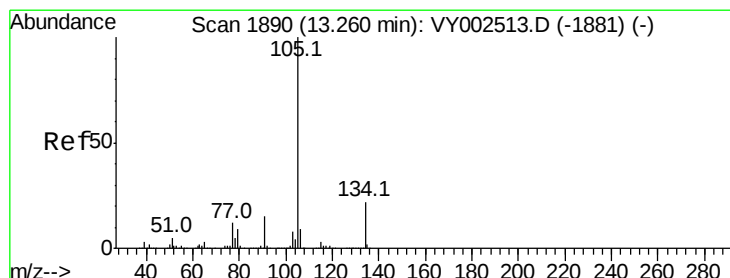
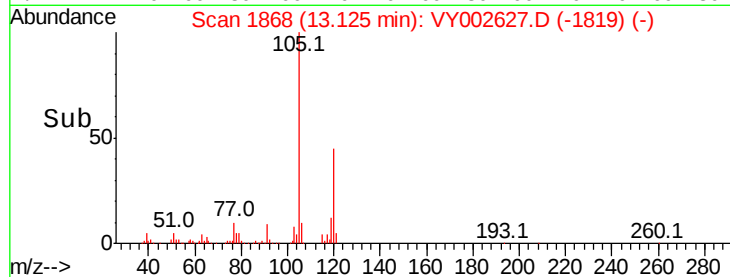
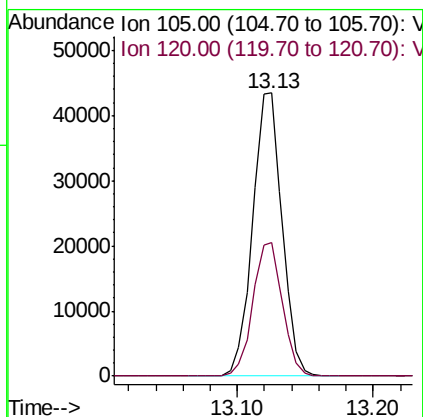
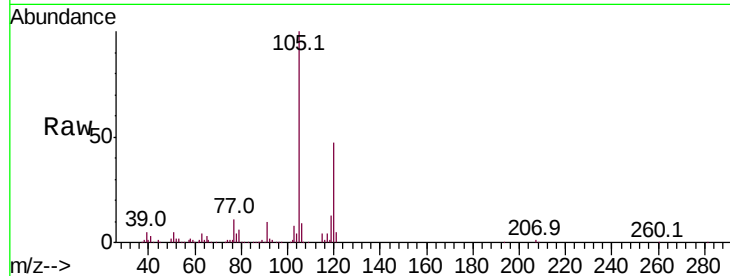




#84
 1,2,4-Trimethylbenzene
 Concen: 5.539 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VY002627.D
 Acq: 07 May 2020 13:37

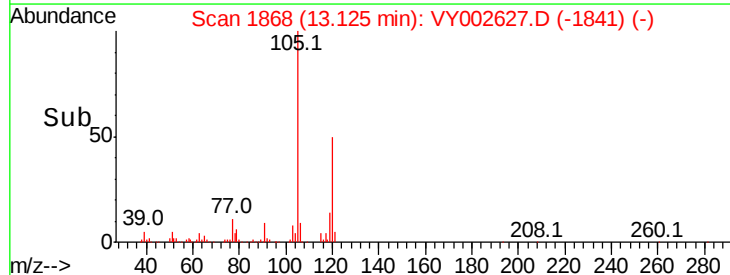
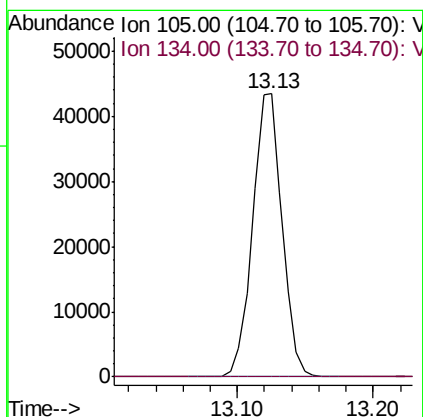
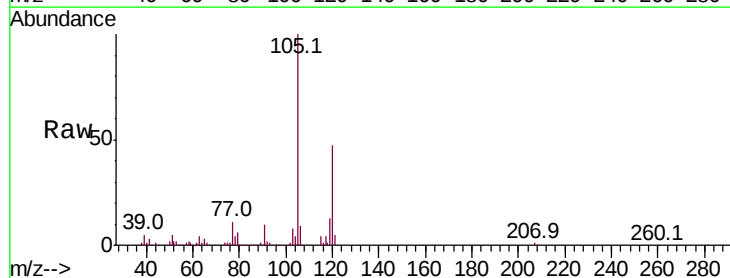
Instrument :
 MSVOA_Y
 ClientSampleId :
 CL-02-050620

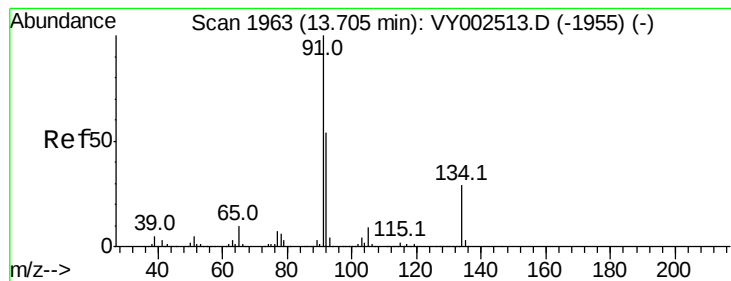
Tot Ion:105 Resp: 66077
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.4 70.3



#85
 sec-Butylbenzene
 Concen: 4.537 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.13 min
 Lab File: VY002627.D
 Acq: 07 May 2020 13:37

Tgt Ion:105 Resp: 66077
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.8 32.3#





#89

n-Butylbenzene

Concen: 2.826 ug/l

RT: 13.63 min Scan# 1951

Delta R.T. -0.07 min

Lab File: VY002627.D

Acq: 07 May 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

CL-02-050620

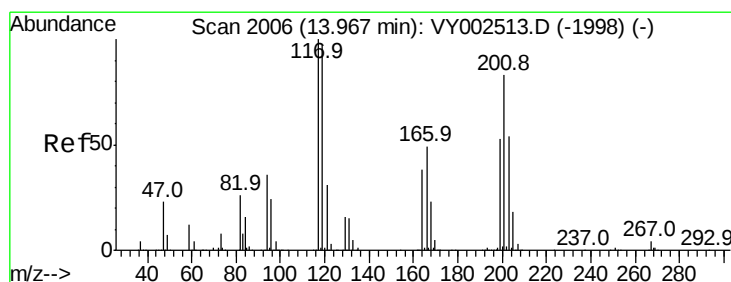
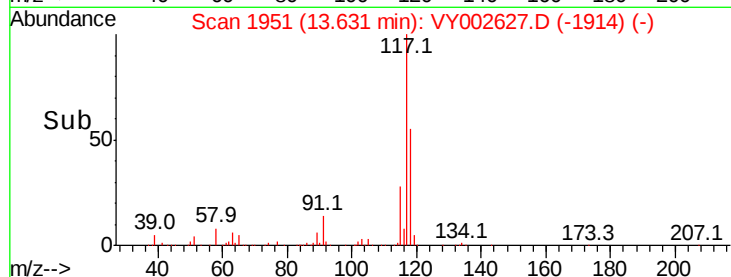
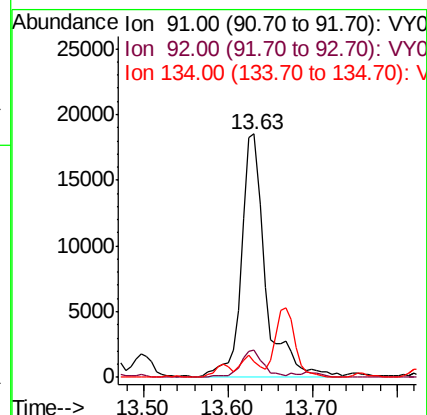
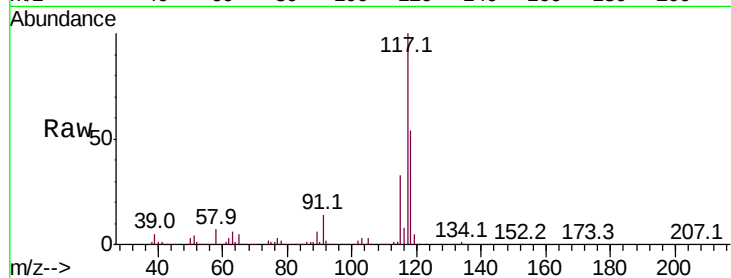
Tot Ion: 91 Resp: 35109

Ion Ratio Lower Upper

91 100

92 10.6 27.1 81.3#

134 3.9 14.4 43.0#



#90

Hexachloroethane

Concen: 1.293 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. -0.00 min

Lab File: VY002627.D

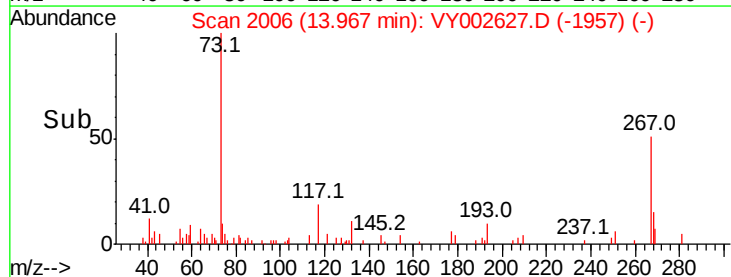
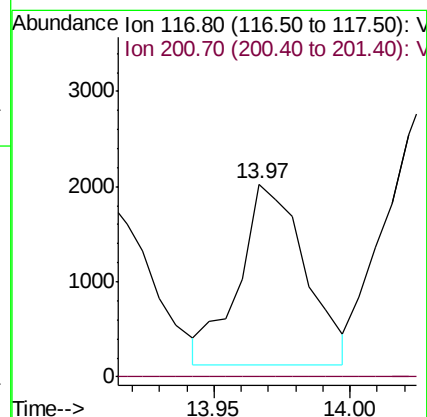
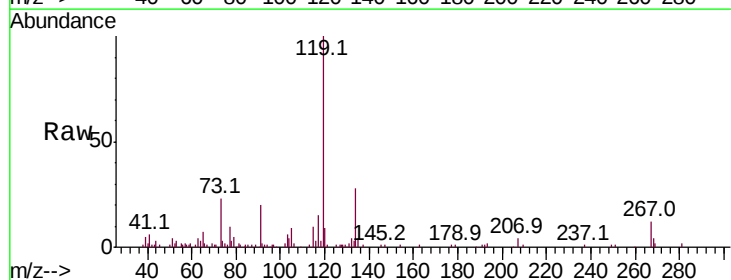
Acq: 07 May 2020 13:37

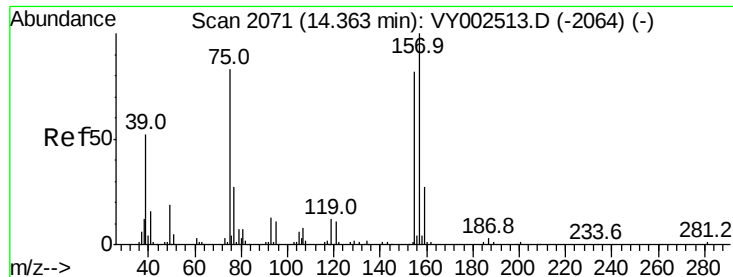
Tgt Ion: 117 Resp: 3213

Ion Ratio Lower Upper

117 100

201 0.0 44.4 133.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.890 ug/l

RT: 14.34 min Scan# 2067

Delta R.T. -0.02 min

Lab File: VY002627.D

Acq: 07 May 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

CL-02-050620

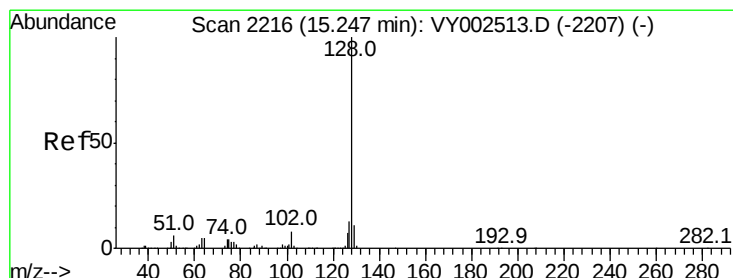
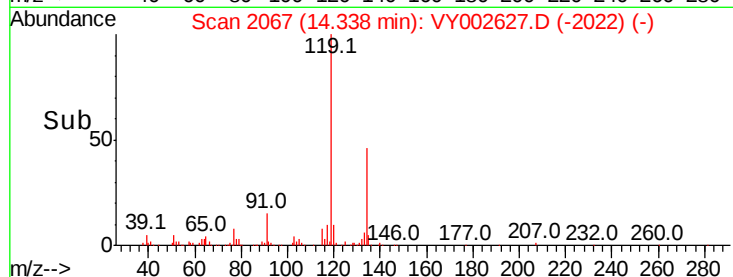
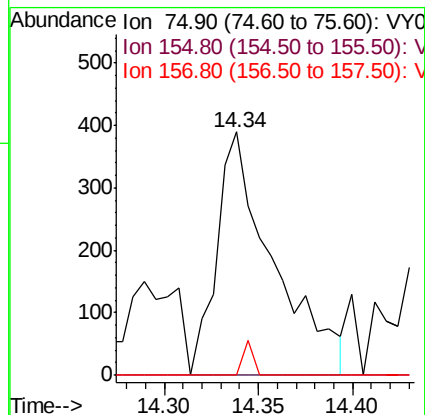
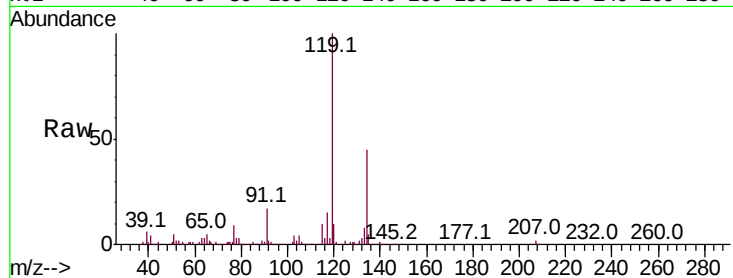
Tot Ion: 75 Resp: 809

Ion Ratio Lower Upper

75 100

155 0.0 51.3 153.9#

157 2.5 65.0 195.0#



#95

Naphthalene

Concen: 198.093 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY002627.D

Acq: 07 May 2020 13:37

Tgt Ion:128 Resp: 1598635

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 11.0 8.8 13.2

