

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
 Data File : VY002640.D
 Acq On : 08 May 2020 14:15
 Operator : SY/MD
 Sample : L2495-01
 Misc : 7.05G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 09 03:46:29 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

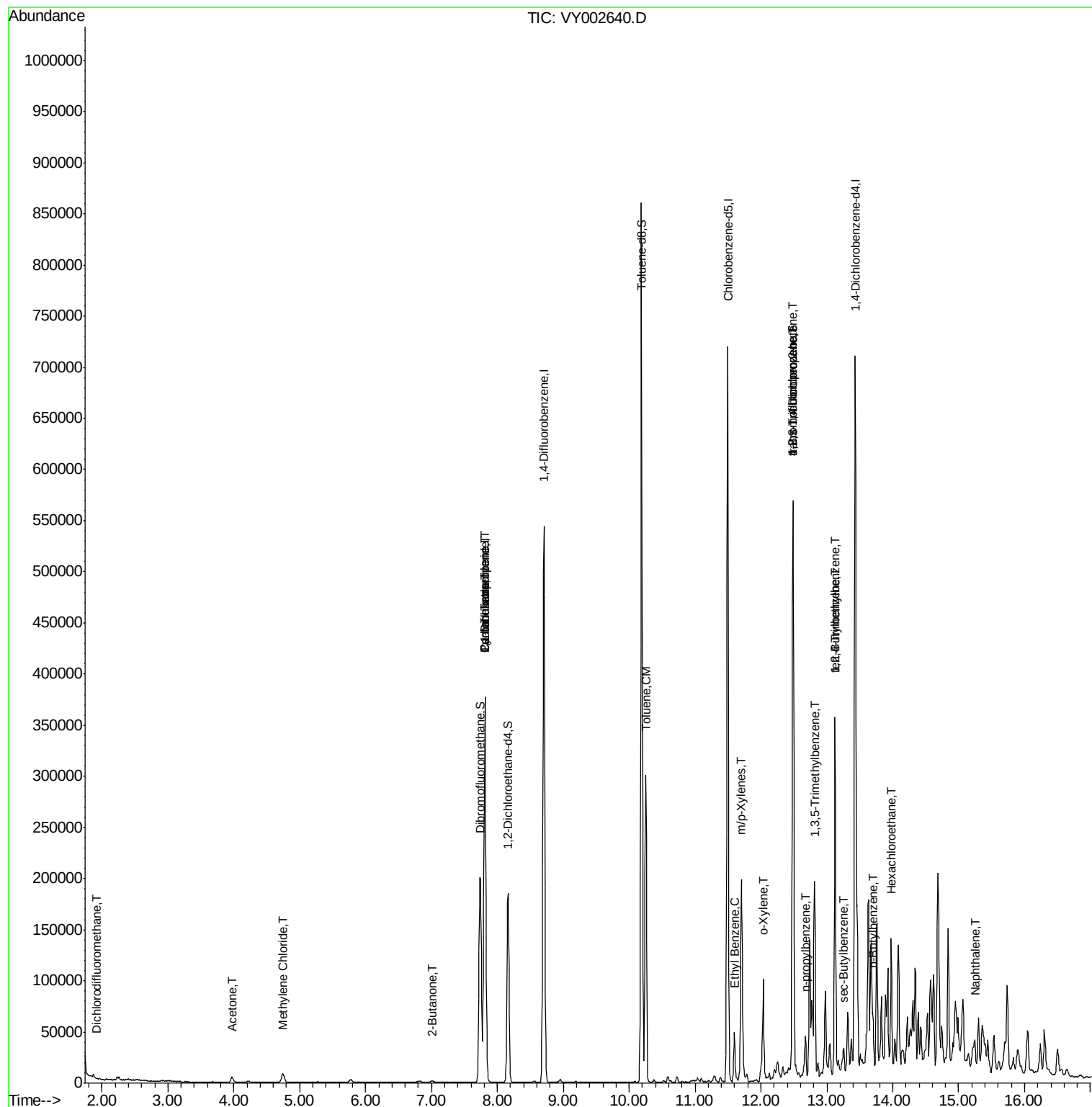
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	320153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	493766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	425734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	184580	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	138390	51.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.82%	
35) Dibromofluoromethane	7.74	113	147023	52.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.12%	
50) Toluene-d8	10.19	98	570241	51.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.49	95	173623	46.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	110	1.825	ug/l #	43
16) Acetone	3.97	43	9432	16.978	ug/l	97
20) Methylene Chloride	4.74	84	6854	2.206	ug/l	90
25) 2-Butanone	7.02	43	1144	1.258	ug/l #	76
31) Cyclohexane	7.80	56	4967	1.027	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	20108	4.858	ug/l #	49
38) Carbon Tetrachloride	7.81	117	28292	6.261	ug/l #	16
52) Toluene	10.25	92	128525	16.728	ug/l	99
67) Ethyl Benzene	11.60	91	33942	2.388	ug/l	98
68) m/p-Xylenes	11.71	106	59911	10.892	ug/l	99
69) o-Xylene	12.03	106	26192	5.086	ug/l	96
76) 1,2,3-Trichloropropane	12.49	75	83599	50.966	ug/l #	100
78) n-propylbenzene	12.67	91	29192	2.103	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	55532	5.600	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.49	75	83599	102.196	ug/l #	15
83) tert-Butylbenzene	13.13	119	23872	2.746	ug/l #	69
84) 1,2,4-Trimethylbenzene	13.13	105	185798	18.801	ug/l	99
85) sec-Butylbenzene	13.25	105	14333	1.188	ug/l	88
89) n-Butylbenzene	13.70	91	24062	2.338	ug/l #	75
90) Hexachloroethane	13.98	117	5389	2.618	ug/l #	5
95) Naphthalene	15.25	128	17288	2.586	ug/l #	93

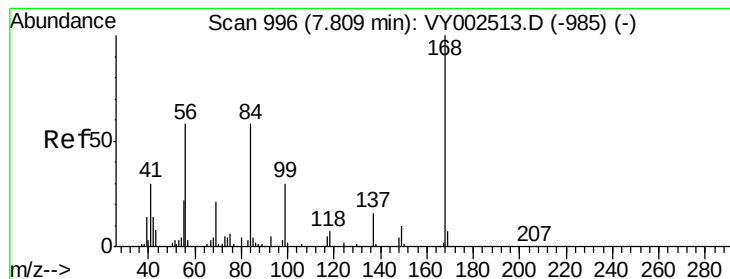
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY050820\
Data File : VY002640.D
Acq On : 08 May 2020 14:15
Operator : SY/MD
Sample : L2495-01
Misc : 7.05G/5ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: May 09 03:46:29 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002640.D

Acq: 08 May 2020 14:15

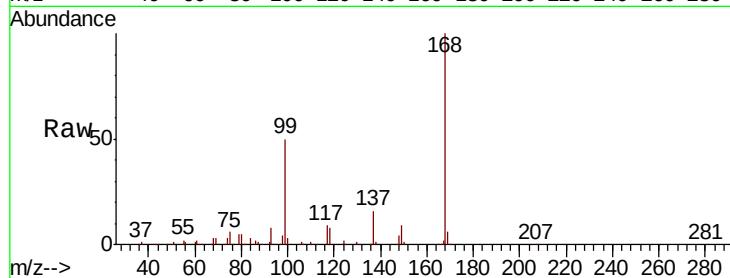
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 320153

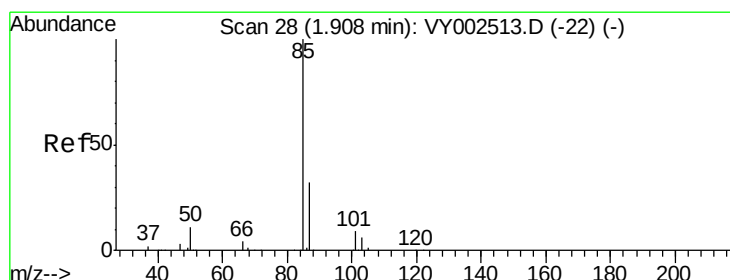
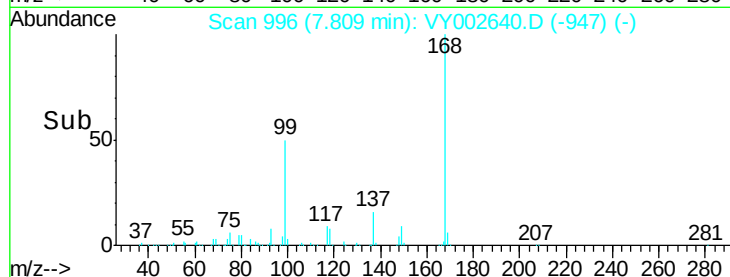
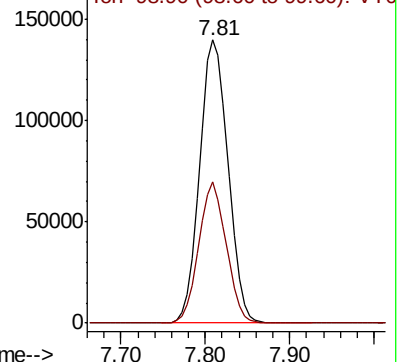
Ion Ratio Lower Upper

168 100

99 49.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002640.D (-947) (-)



#2

Dichlorodifluoromethane

Concen: 1.825 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002640.D

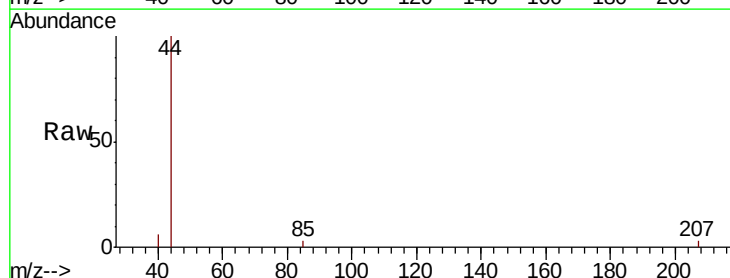
Acq: 08 May 2020 14:15

Tgt Ion: 85 Resp: 110

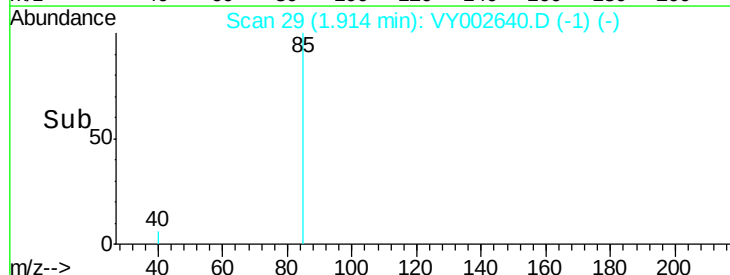
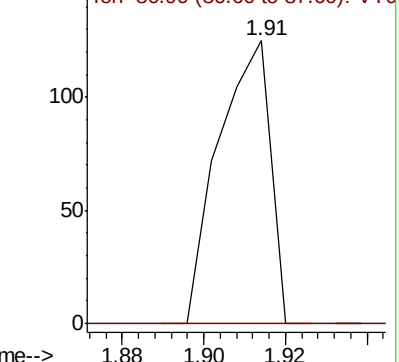
Ion Ratio Lower Upper

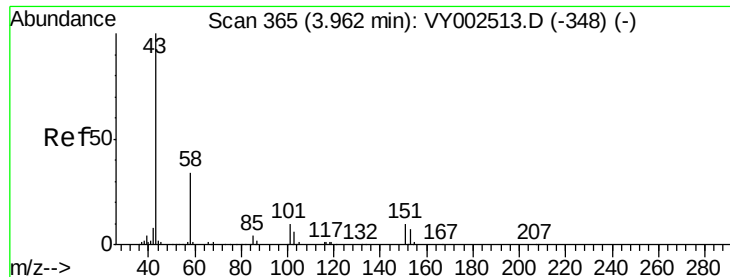
85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002640.D (-1) (-)





#16

Acetone

Concen: 16.978 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002640.D

Acq: 08 May 2020 14:15

Instrument :

MSVOA_Y

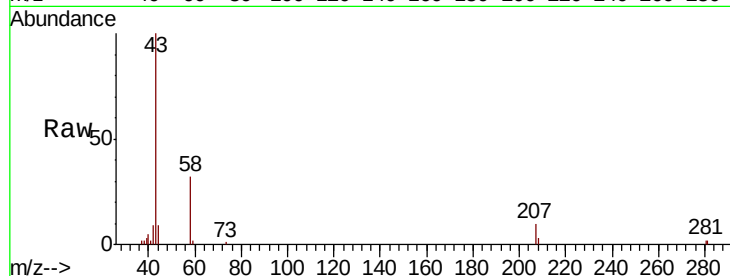
ClientSampled :

Tot Ion: 43 Resp: 9432

Ion Ratio Lower Upper

43 100

58 31.8 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY002640.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VY002640.D (-316) (-)

3.97

4000

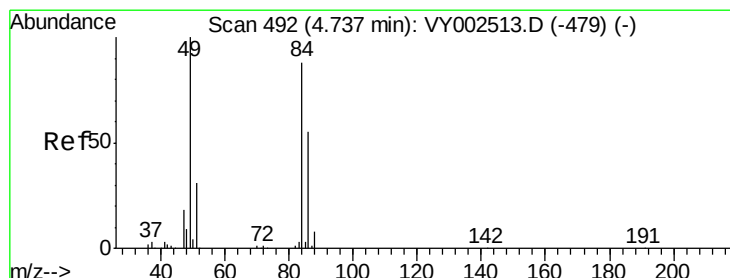
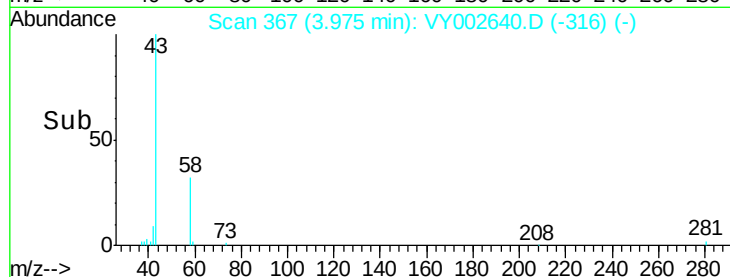
3000

2000

1000

0

Time-->



#20

Methylene Chloride

Concen: 2.206 ug/l

RT: 4.74 min Scan# 493

Delta R.T. 0.01 min

Lab File: VY002640.D

Acq: 08 May 2020 14:15

Tgt Ion: 84 Resp: 6854

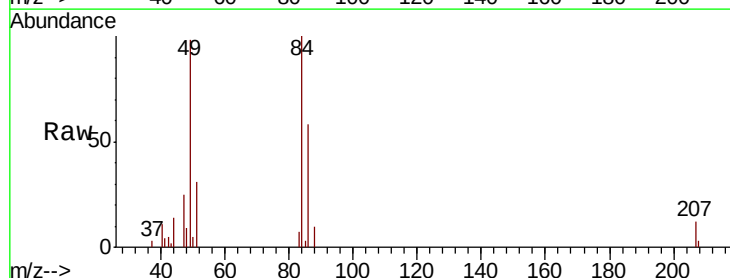
Ion Ratio Lower Upper

84 100

49 98.0 90.5 135.7

51 30.9 28.3 42.5

86 58.3 49.9 74.9



Abundance Ion 83.90 (83.60 to 84.60): VY002640.D (-443) (-)

Ion 48.90 (48.60 to 49.60): VY002640.D (-443) (-)

Ion 50.90 (50.60 to 51.60): VY002640.D (-443) (-)

Ion 85.90 (85.60 to 86.60): VY002640.D (-443) (-)

4.74

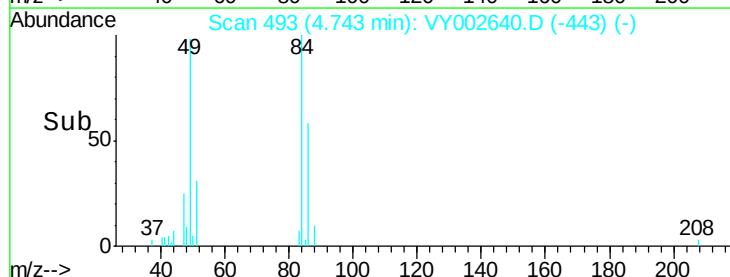
3000

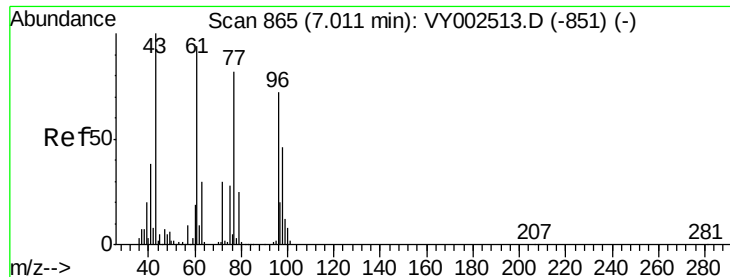
2000

1000

0

Time-->

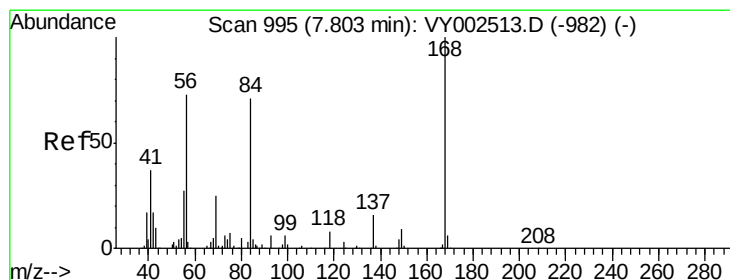
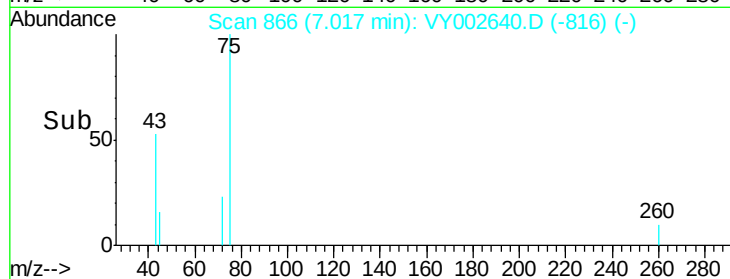
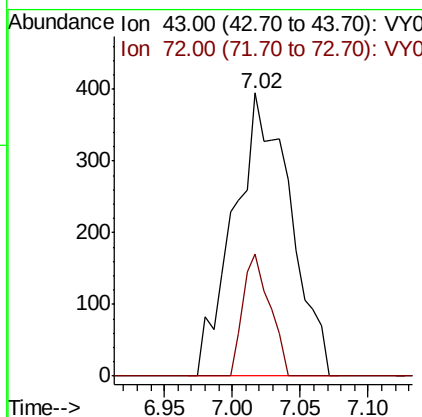
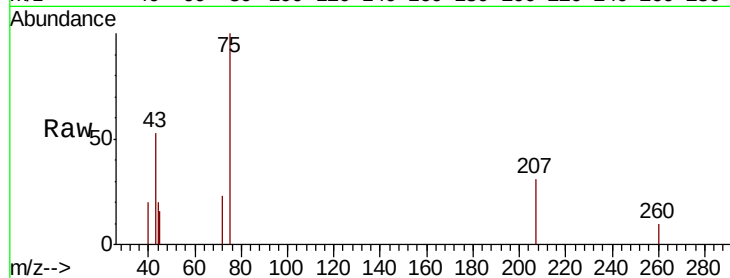




#25
2-Butanone
Concen: 1.258 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY002640.D
Acq: 08 May 2020 14:15

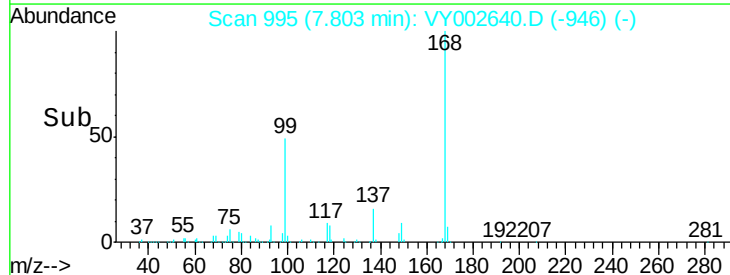
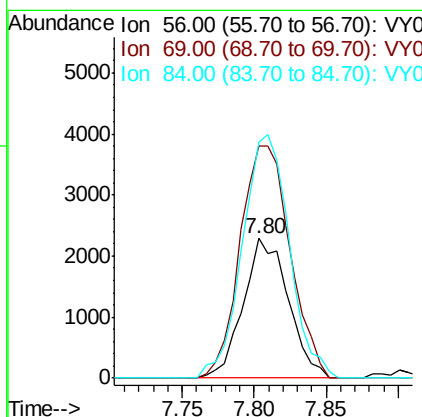
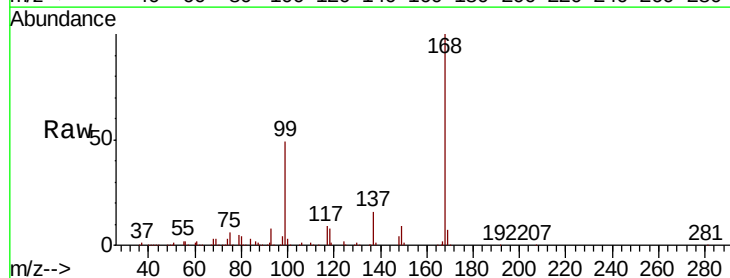
Instrument :
MSVOA_Y
ClientSampleId :

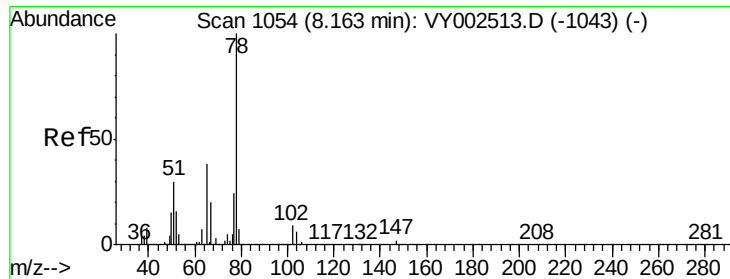
Tot Ion: 43 Resp: 1144
Ion Ratio Lower Upper
43 100
72 43.3 24.1 36.1#



#31
Cyclohexane
Concen: 1.027 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.00 min
Lab File: VY002640.D
Acq: 08 May 2020 14:15

Tgt Ion: 56 Resp: 4967
Ion Ratio Lower Upper
56 100
69 166.5 27.6 41.4#
84 169.0 77.7 116.5#

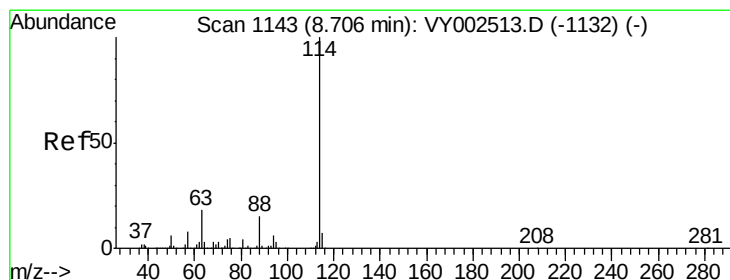
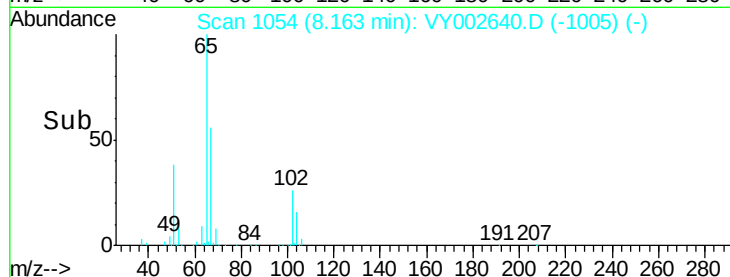
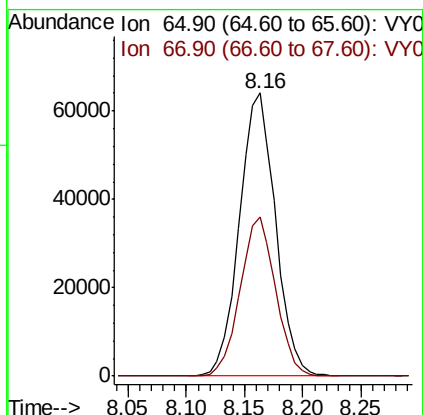
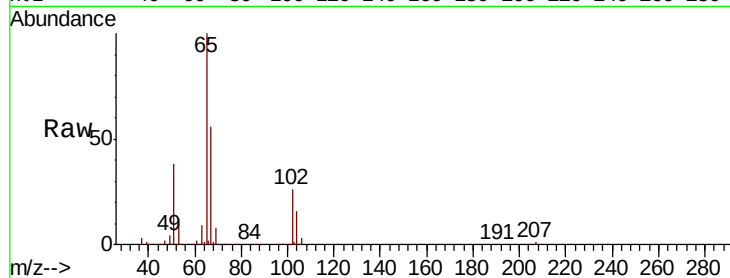




#33
 1,2-Dichloroethane-d4
 Concen: 51.410 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VY002640.D
 Acq: 08 May 2020 14:15

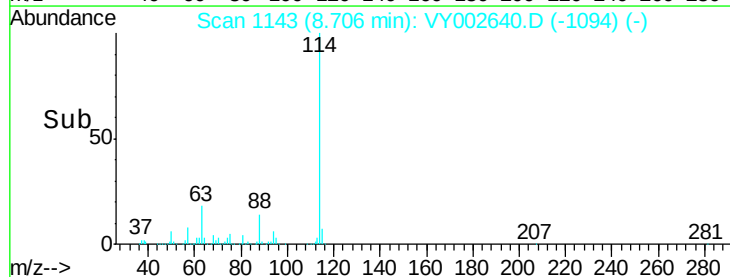
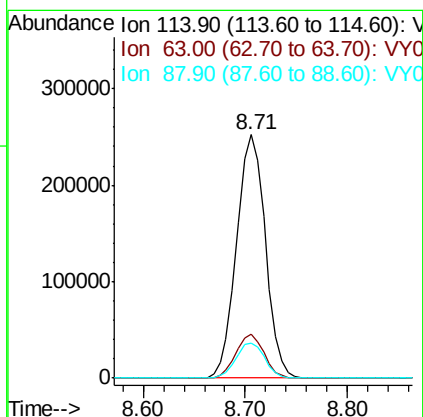
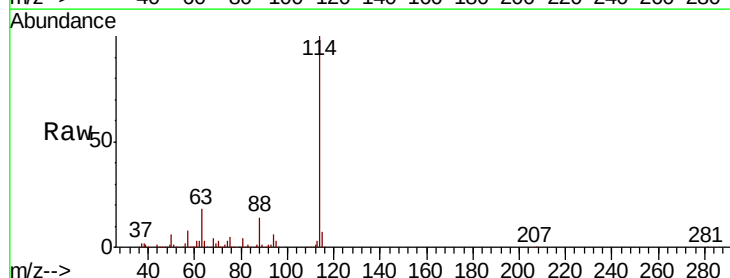
Instrument :
 MSVOA_Y
 ClientSampleId :

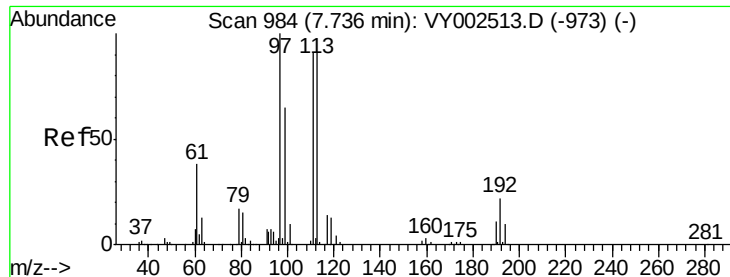
Tot Ion: 65 Resp: 138390
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY002640.D
 Acq: 08 May 2020 14:15

Tgt Ion: 114 Resp: 493766
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.4
 88 14.1 0.0 29.6

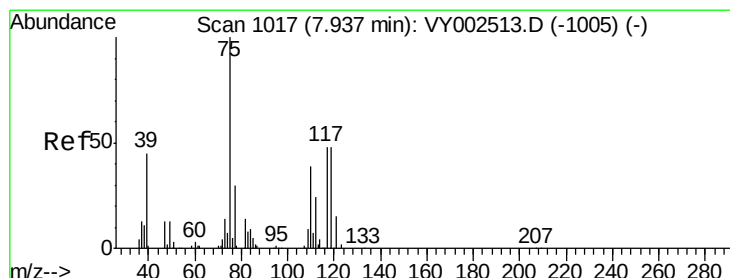
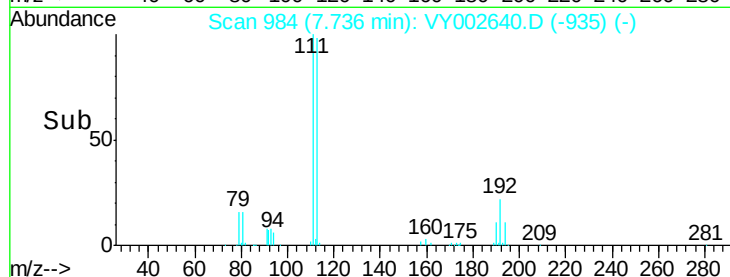
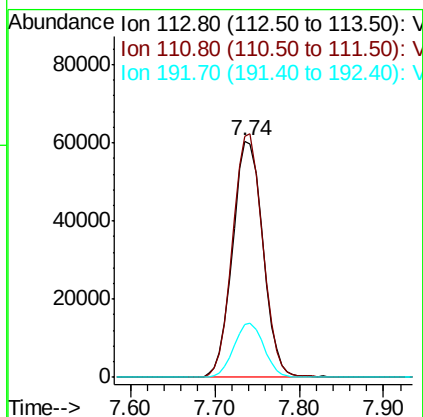
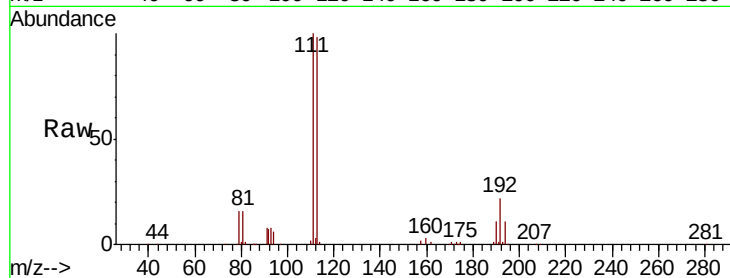




#35
 Dibromofluoromethane
 Concen: 52.065 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: VY002640.D
 Acq: 08 May 2020 14:15

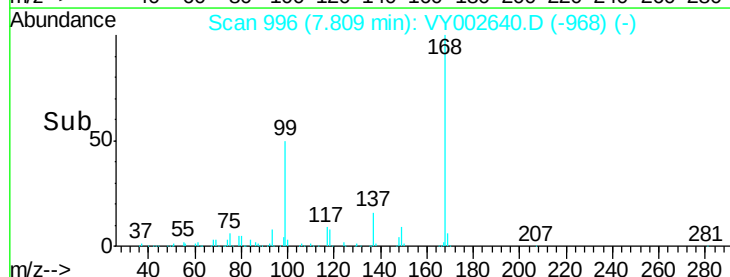
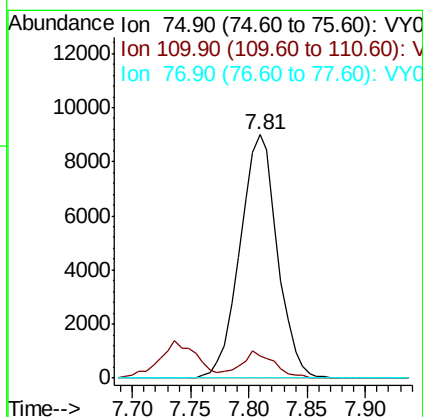
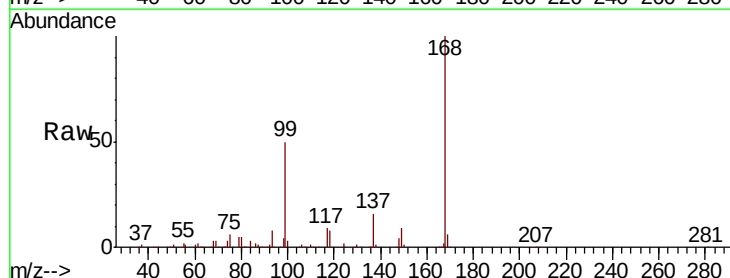
Instrument :
 MSVOA_Y
 ClientSampleId :

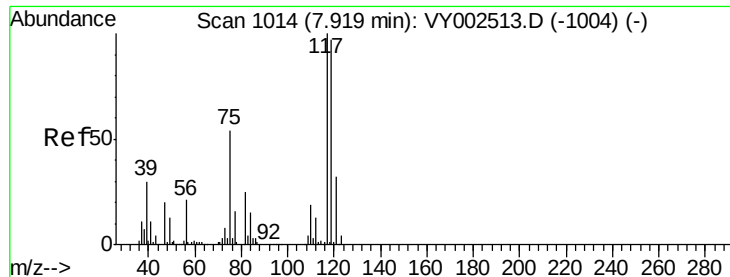
Tot Ion:113 Resp: 147023
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.8 122.6
 192 22.6 18.2 27.4



#36
 1,1-Dichloropropene
 Concen: 4.858 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002640.D
 Acq: 08 May 2020 14:15

Tgt Ion: 75 Resp: 20108
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.1 57.3#
 77 0.0 24.6 37.0#

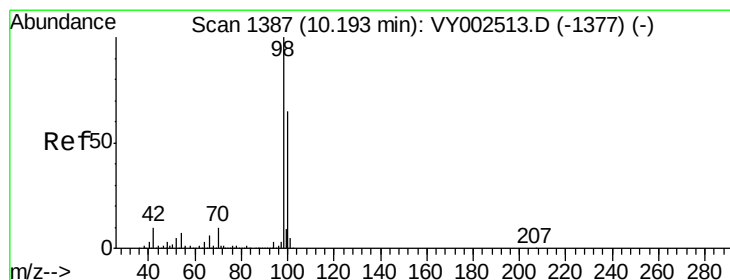
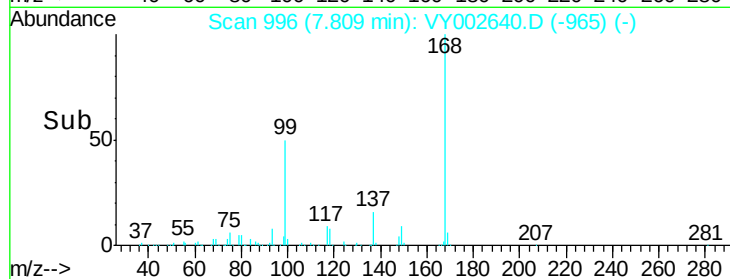
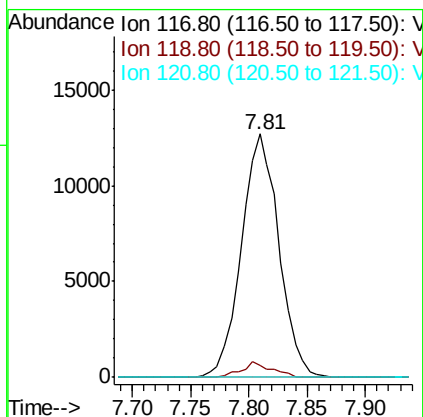
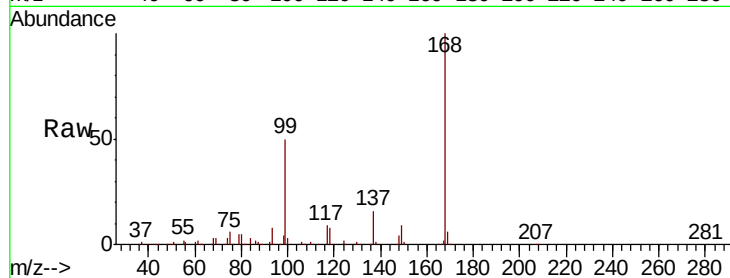




#38
Carbon Tetrachloride
Concen: 6.261 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.11 min
Lab File: VY002640.D
Acq: 08 May 2020 14:15

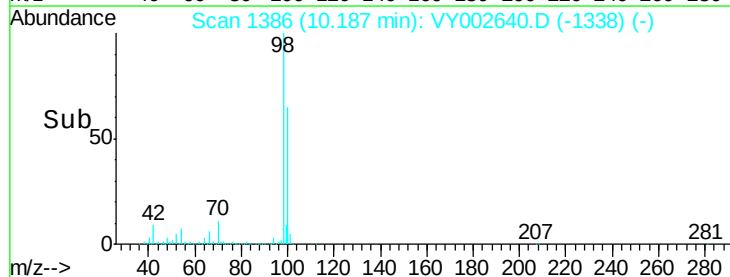
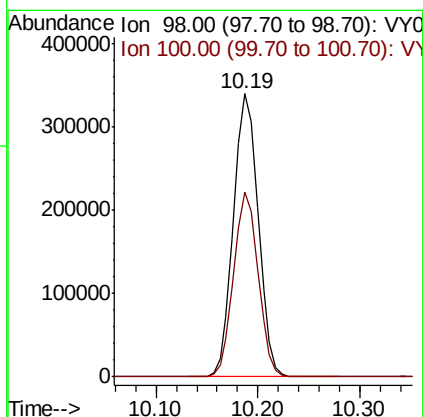
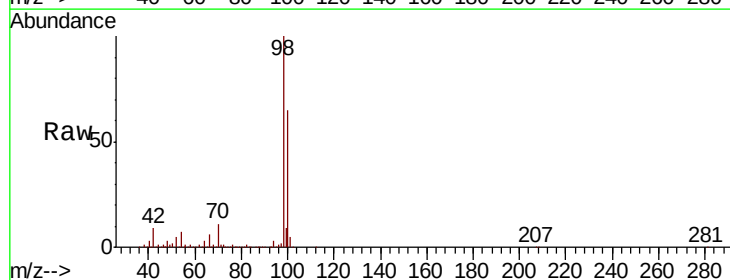
Instrument :
MSVOA_Y
ClientSampleId :

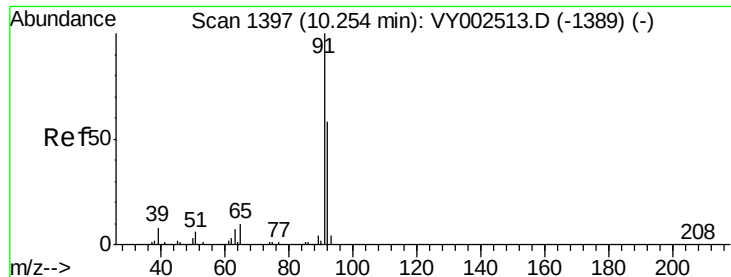
Tot Ion:117 Resp: 28292
Ion Ratio Lower Upper
117 100
119 4.9 77.1 115.7#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 51.710 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY002640.D
Acq: 08 May 2020 14:15

Tgt Ion: 98 Resp: 570241
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2





#52

Toluene

Concen: 16.728 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VY002640.D

Acq: 08 May 2020 14:15

Instrument :

MSVOA_Y

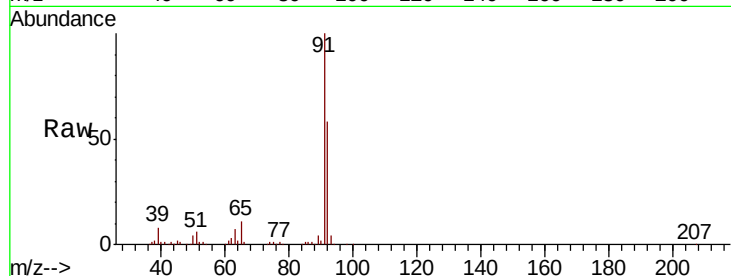
ClientSampled :

Tot Ion: 92 Resp: 128525

Ion Ratio Lower Upper

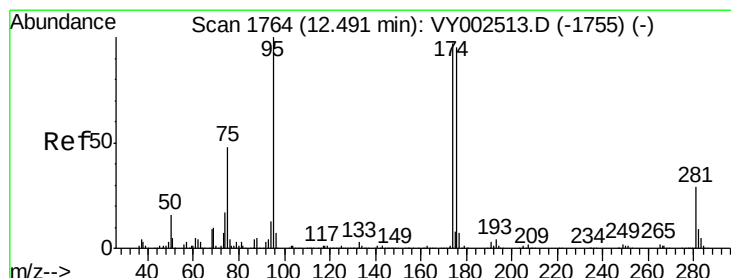
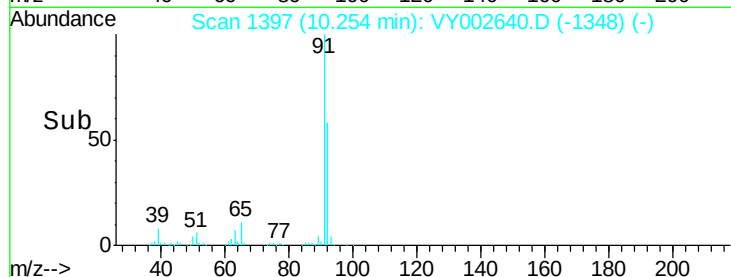
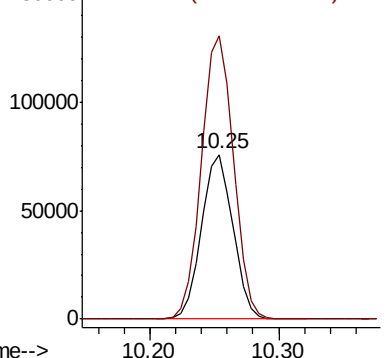
92 100

91 175.6 139.3 208.9



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0



#62

4-Bromofluorobenzene

Concen: 46.399 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002640.D

Acq: 08 May 2020 14:15

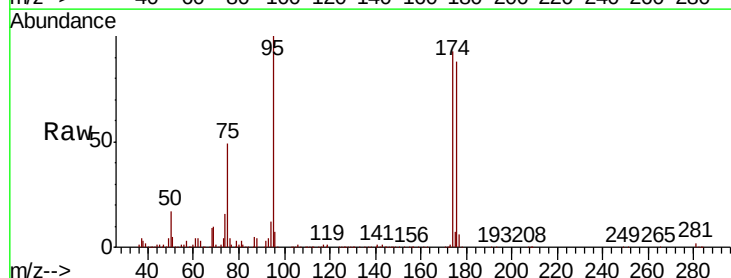
Tgt Ion: 95 Resp: 173623

Ion Ratio Lower Upper

95 100

174 94.0 0.0 188.8

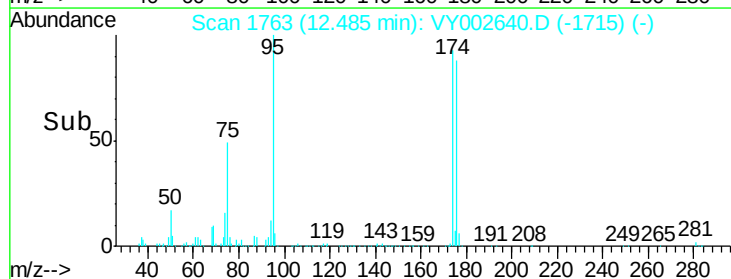
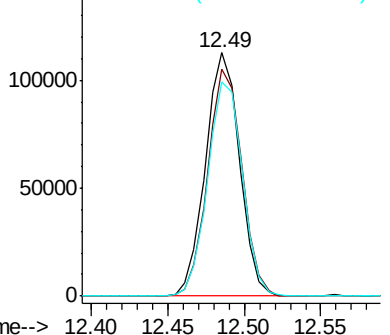
176 90.5 0.0 183.2

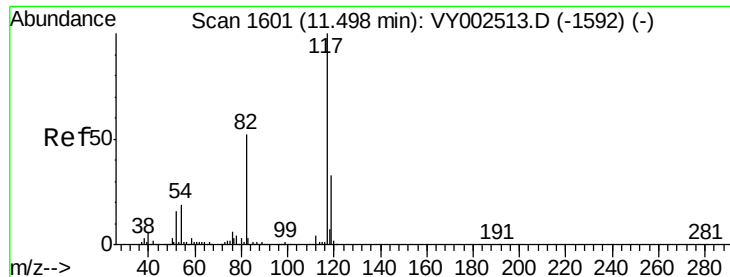


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

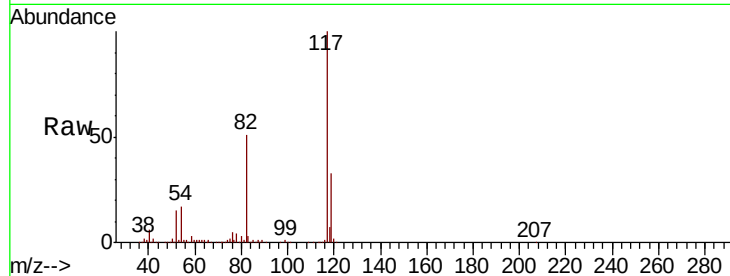




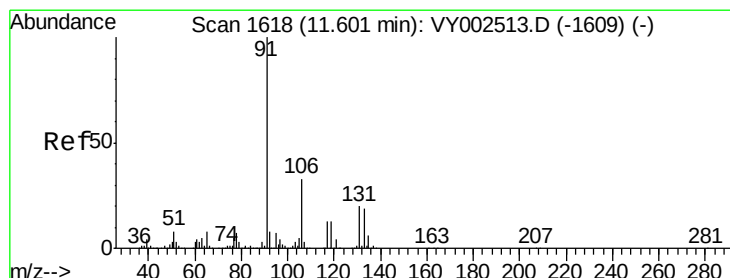
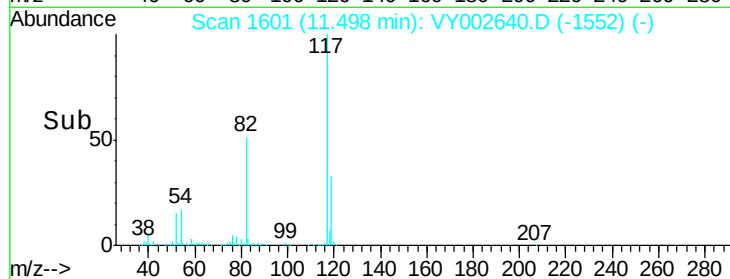
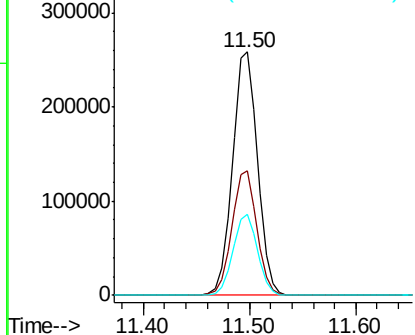
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002640.D
Acq: 08 May 2020 14:15

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 425734
Ion Ratio Lower Upper
117 100
82 51.0 41.3 61.9
119 33.5 26.0 39.0

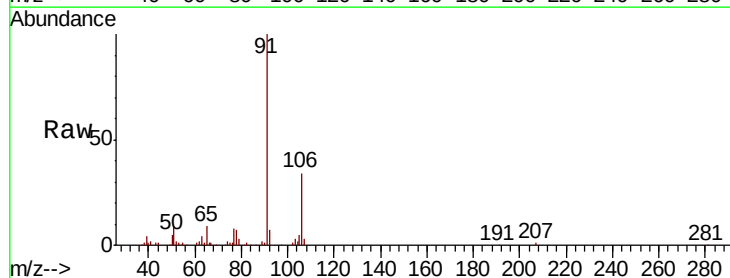


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

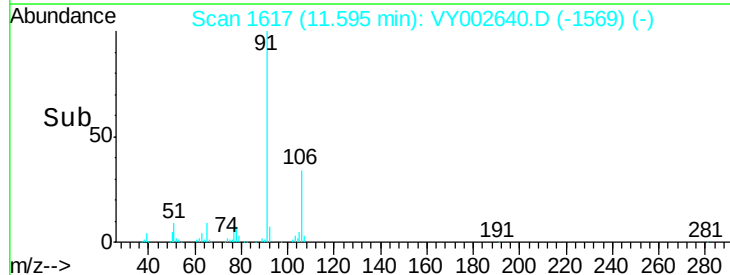
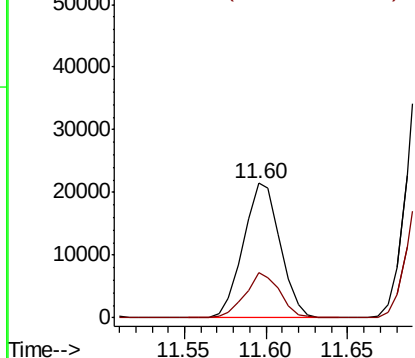


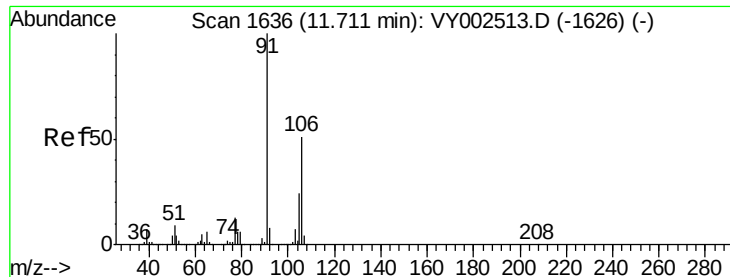
#67
Ethyl Benzene
Concen: 2.388 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002640.D
Acq: 08 May 2020 14:15

Tgt Ion: 91 Resp: 33942
Ion Ratio Lower Upper
91 100
106 34.0 26.1 39.1



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





#68

m/p-Xylenes

Concen: 10.892 ug/l

RT: 11.71 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY002640.D

Acq: 08 May 2020 14:15

Instrument :

MSVOA_Y

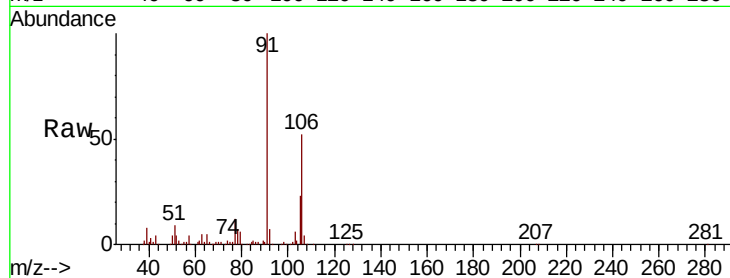
ClientSampleId :

Tot Ion:106 Resp: 59911

Ion Ratio Lower Upper

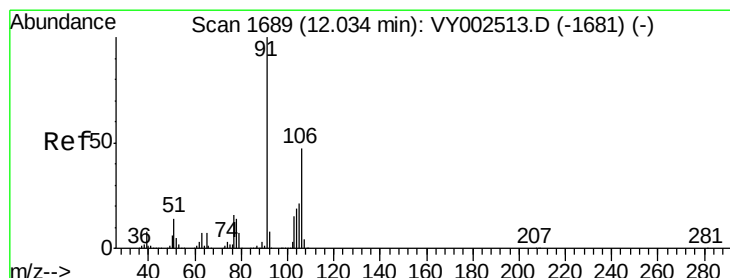
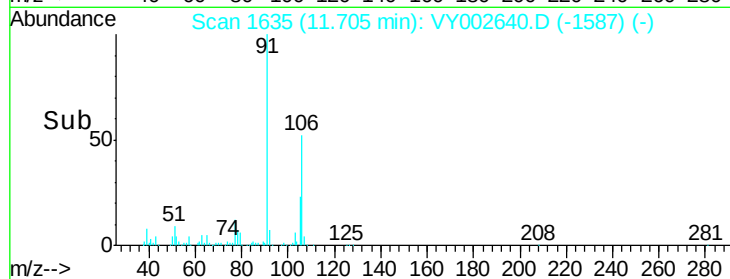
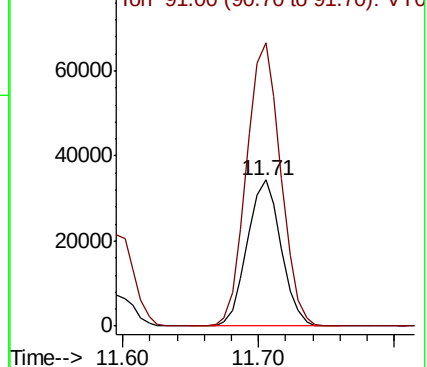
106 100

91 196.0 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 5.086 ug/l

RT: 12.03 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VY002640.D

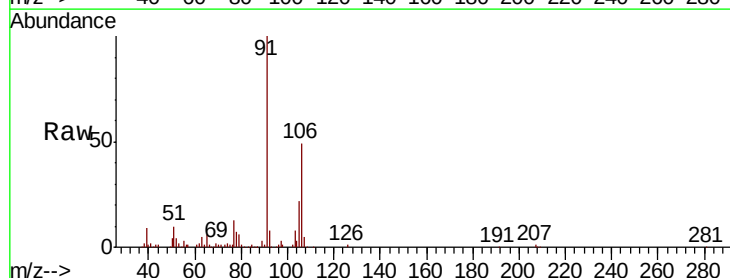
Acq: 08 May 2020 14:15

Tgt Ion:106 Resp: 26192

Ion Ratio Lower Upper

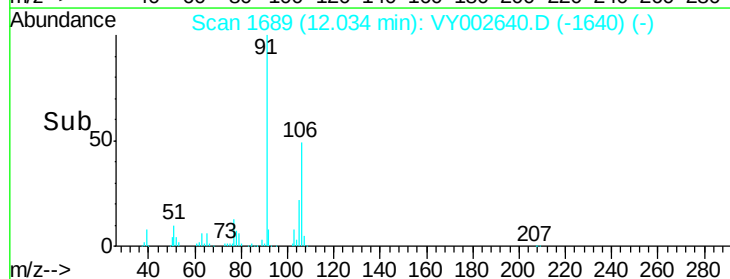
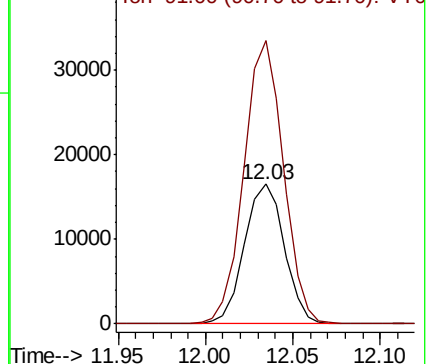
106 100

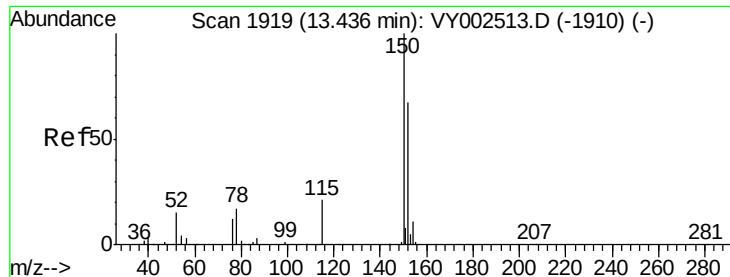
91 200.6 103.8 311.3



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: VY002640.D

Acq: 08 May 2020 14:15

Instrument :

MSVOA_Y

ClientSampleId :

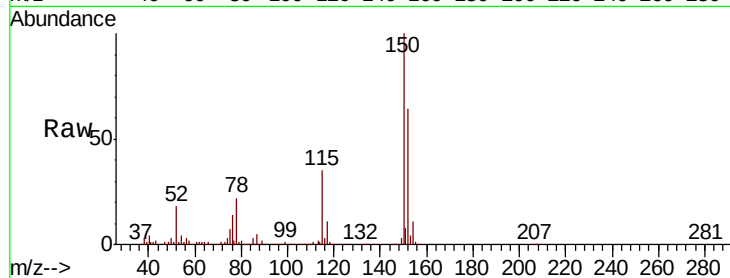
Tot Ion:152 Resp: 184580

Ion Ratio Lower Upper

152 100

115 56.4 27.5 82.4

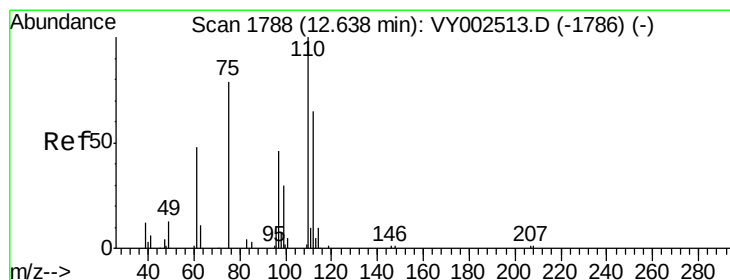
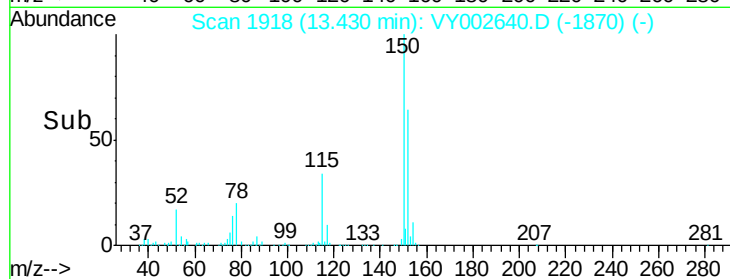
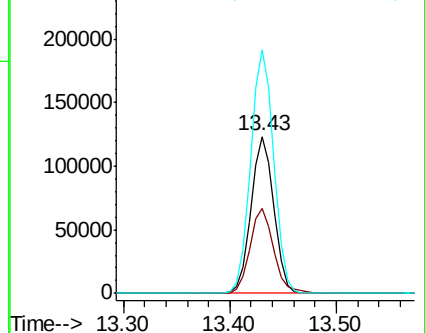
150 157.6 0.0 346.4



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



#76

1,2,3-Trichloropropane

Concen: 50.966 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002640.D

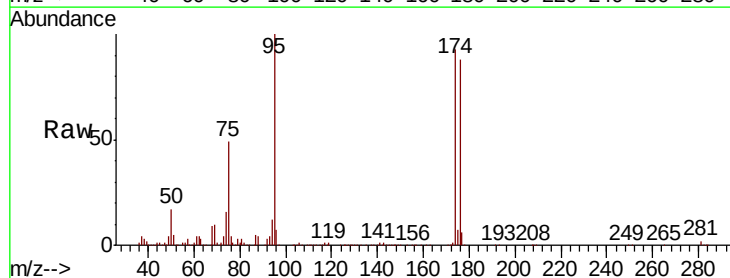
Acq: 08 May 2020 14:15

Tgt Ion: 75 Resp: 83599

Ion Ratio Lower Upper

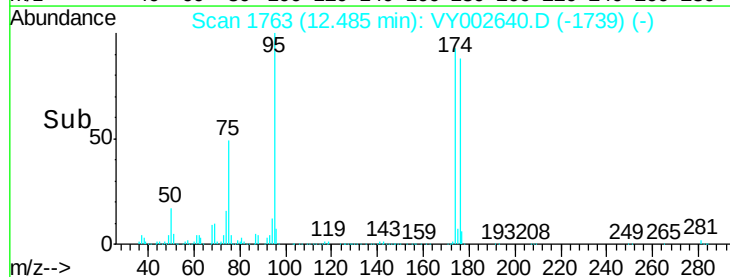
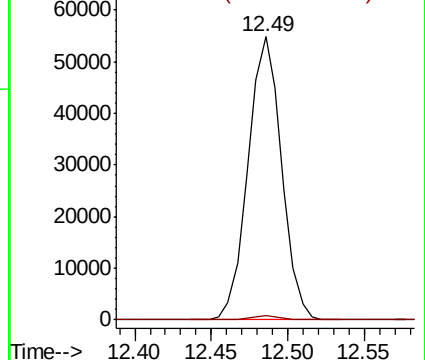
75 100

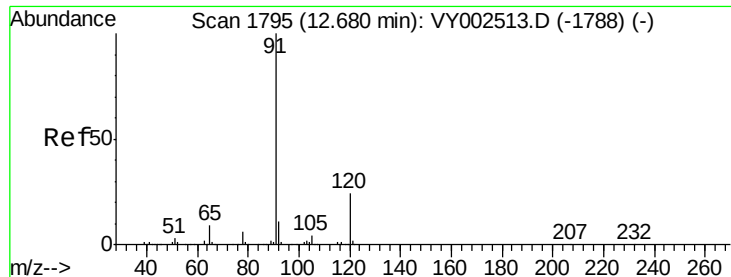
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#78

n-propylbenzene

Concen: 2.103 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY002640.D

Acq: 08 May 2020 14:15

Instrument :

MSVOA_Y

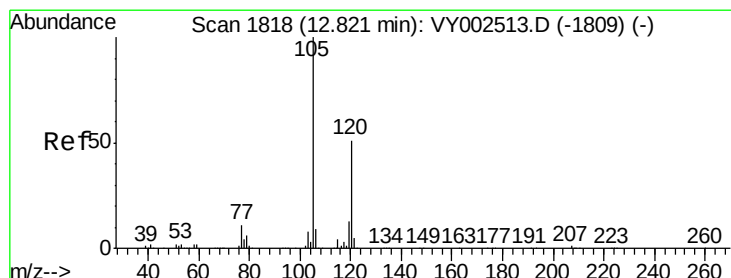
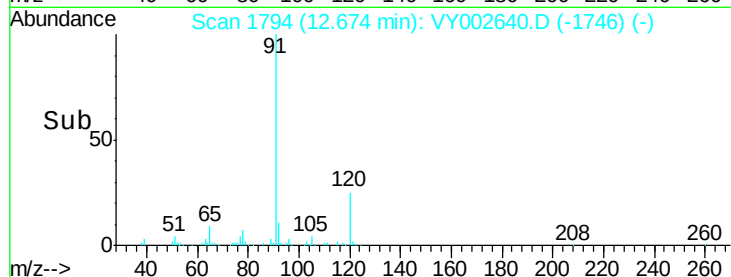
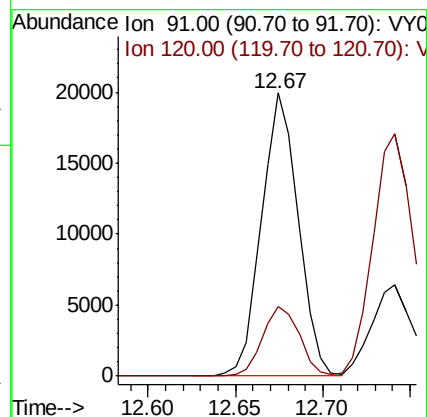
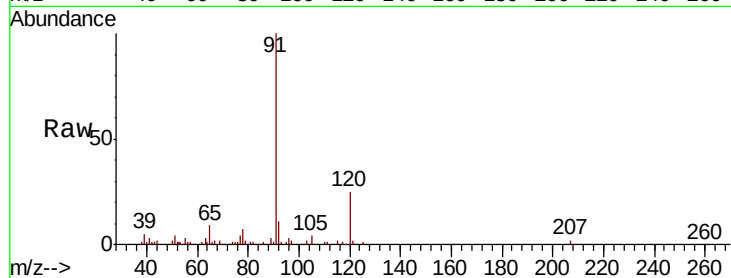
ClientSampleId :

Tot Ion: 91 Resp: 29192

Ion Ratio Lower Upper

91 100

120 24.7 12.2 36.4



#80

1,3,5-Trimethylbenzene

Concen: 5.600 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY002640.D

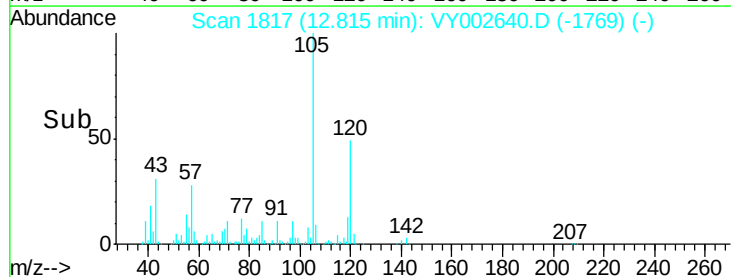
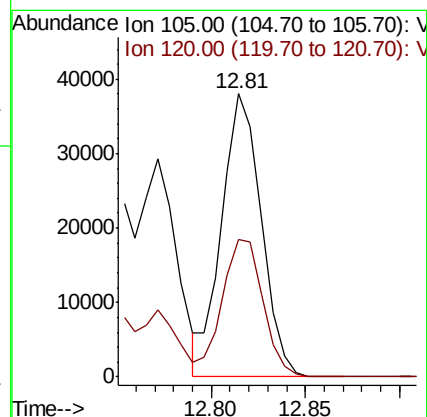
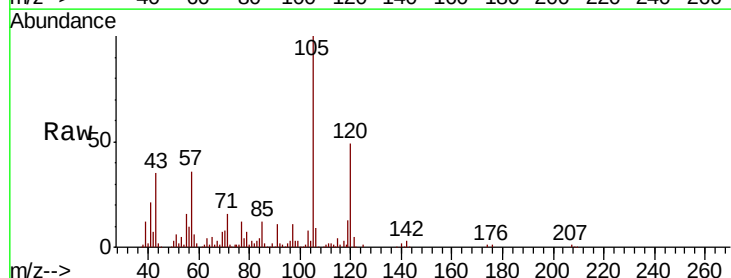
Acq: 08 May 2020 14:15

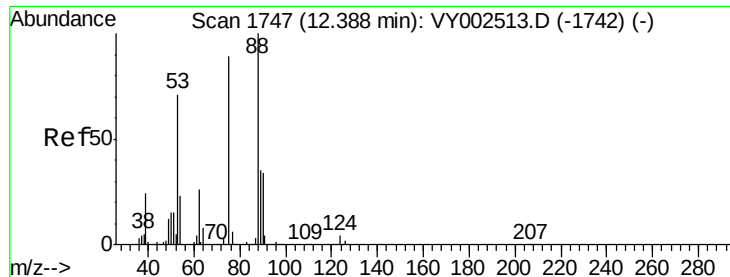
Tgt Ion: 105 Resp: 55532

Ion Ratio Lower Upper

105 100

120 50.2 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 102.196 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002640.D

Acq: 08 May 2020 14:15

Instrument :

MSVOA_Y

ClientSampleId :

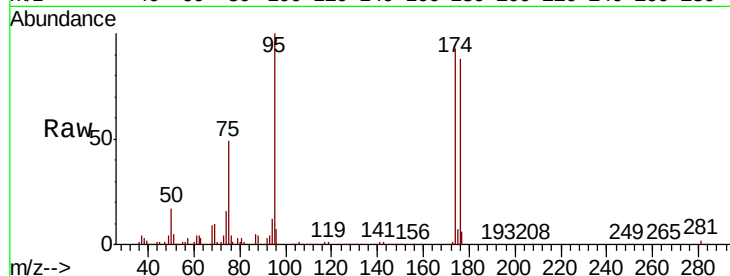
Tot Ion: 75 Resp: 83599

Ion Ratio Lower Upper

75 100

53 0.2 67.4 101.0#

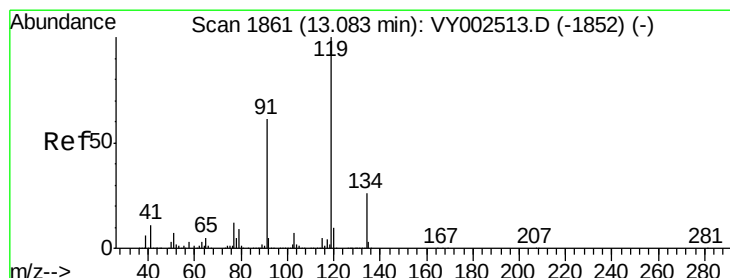
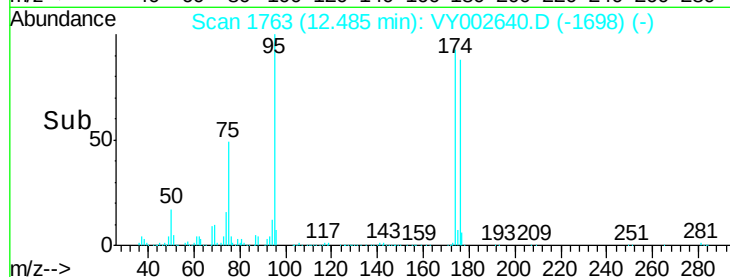
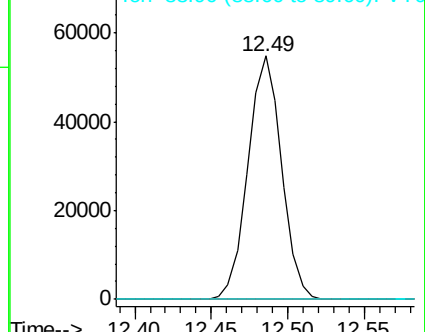
89 0.0 37.4 56.0#



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



#83

tert-Butylbenzene

Concen: 2.746 ug/l

RT: 13.13 min Scan# 1868

Delta R.T. 0.04 min

Lab File: VY002640.D

Acq: 08 May 2020 14:15

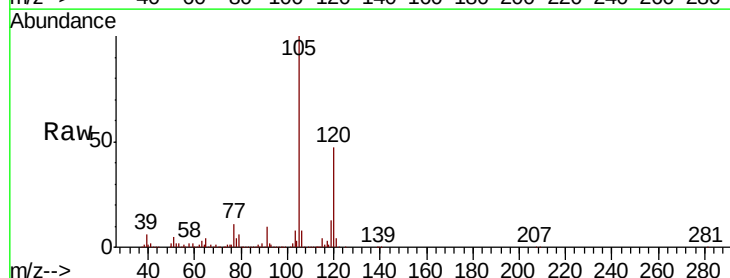
Tgt Ion: 119 Resp: 23872

Ion Ratio Lower Upper

119 100

91 77.7 30.6 91.6

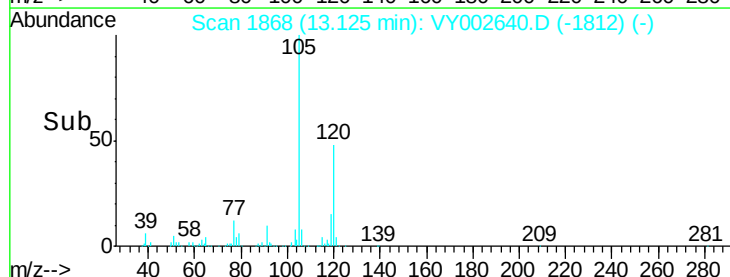
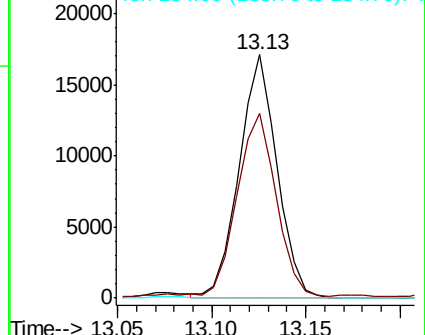
134 0.0 13.5 40.4#

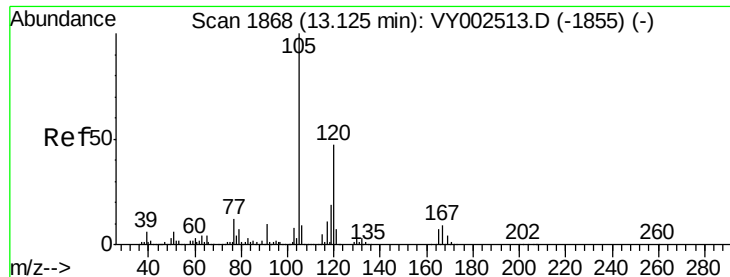


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V

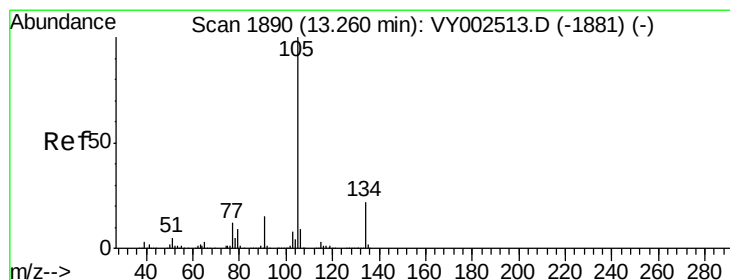
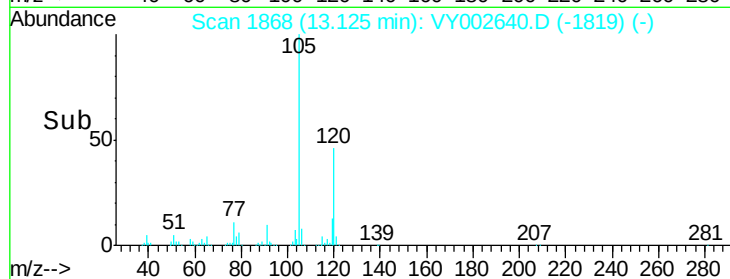
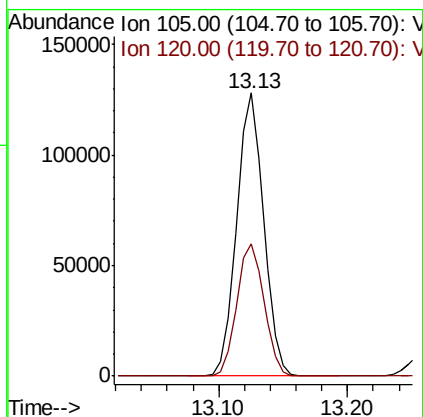
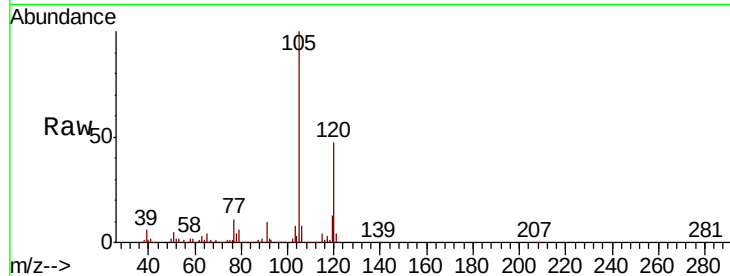




#84
 1,2,4-Trimethylbenzene
 Concen: 18.801 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY002640.D
 Acq: 08 May 2020 14:15

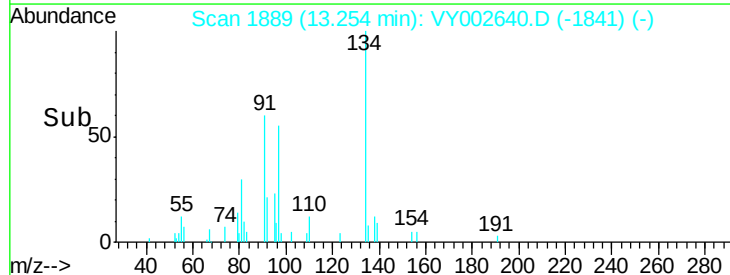
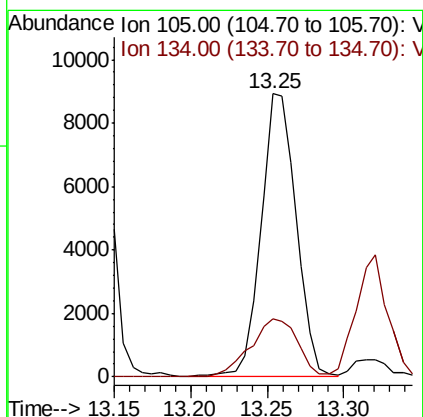
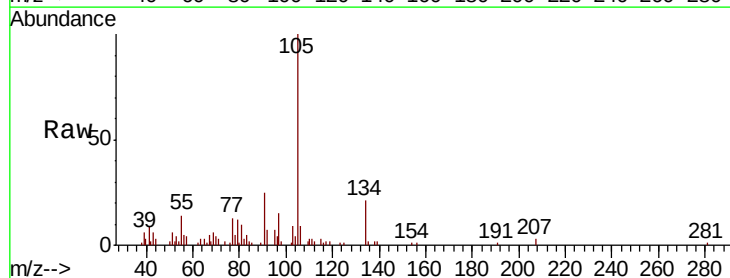
Instrument :
 MSVOA_Y
 ClientSampled :

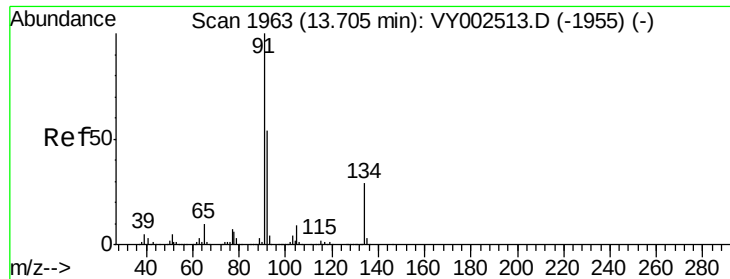
Tot Ion:105 Resp: 185798
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.4 70.3



#85
 sec-Butylbenzene
 Concen: 1.188 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VY002640.D
 Acq: 08 May 2020 14:15

Tgt Ion:105 Resp: 14333
 Ion Ratio Lower Upper
 105 100
 134 27.2 10.8 32.3





#89

n-Butylbenzene

Concen: 2.338 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VY002640.D

Acq: 08 May 2020 14:15

Instrument :

MSVOA_Y

ClientSampled :

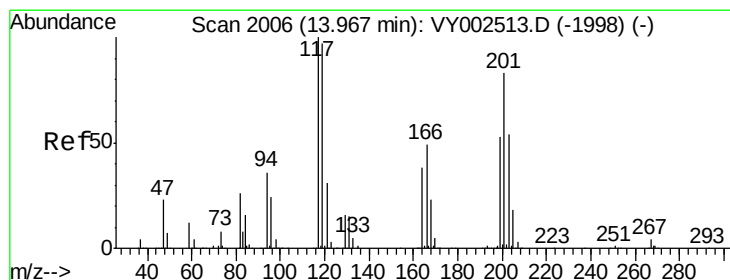
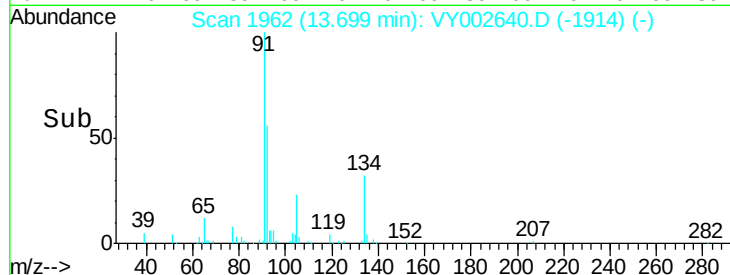
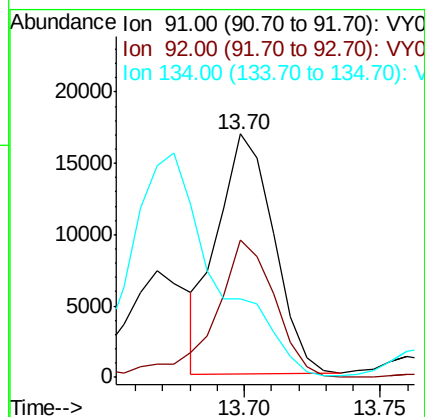
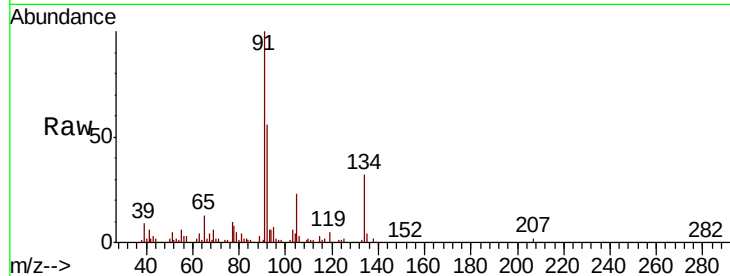
Tot Ion: 91 Resp: 24062

Ion Ratio Lower Upper

91 100

92 61.0 27.1 81.3

134 0.0 14.4 43.0#



#90

Hexachloroethane

Concen: 2.618 ug/l

RT: 13.98 min Scan# 2008

Delta R.T. 0.01 min

Lab File: VY002640.D

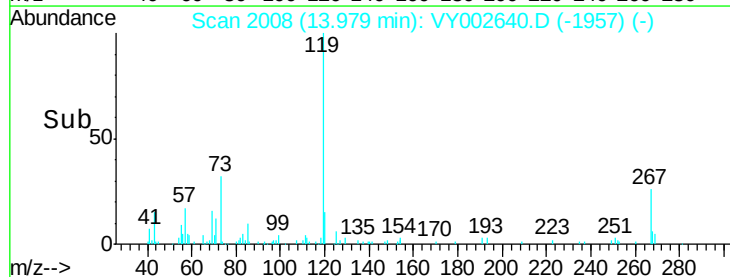
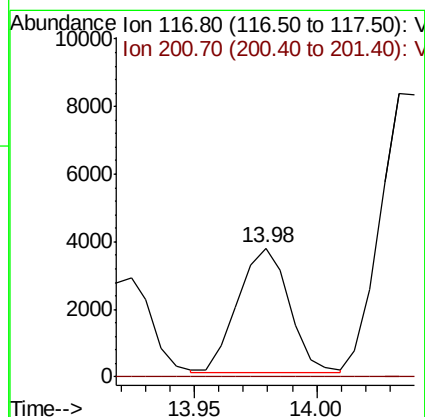
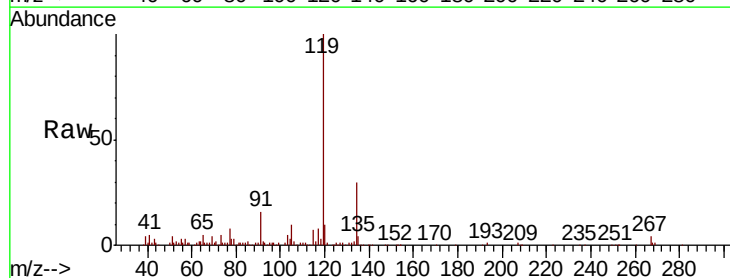
Acq: 08 May 2020 14:15

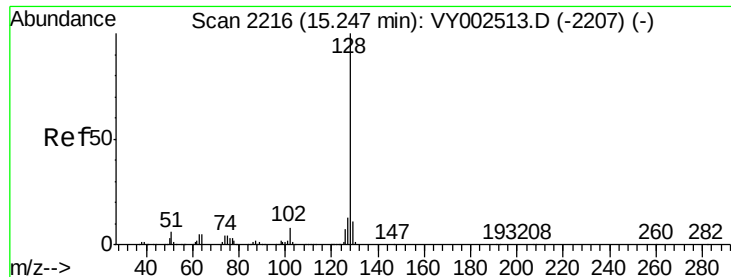
Tgt Ion: 117 Resp: 5389

Ion Ratio Lower Upper

117 100

201 0.0 44.4 133.2#

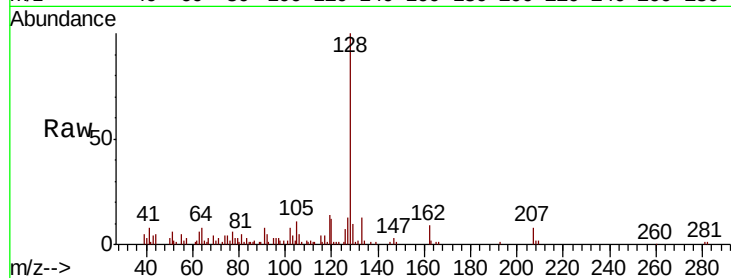




#95
Naphthalene
Concen: 2.586 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY002640.D
Acq: 08 May 2020 14:15

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.8	10.5	15.7#
129	13.9	8.8	13.2#



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

