

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000026.D
 Acq On : 12 Sep 2019 14:53
 Operator : SY/MD
 Sample : VY0912SBL02
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 12 16:31:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 16:17:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	139859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	259975	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	227202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	94565	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	75937	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
35) Dibromofluoromethane	7.72	113	75551	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
50) Toluene-d8	10.18	98	316248	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
62) 4-Bromofluorobenzene	12.48	95	110146	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	

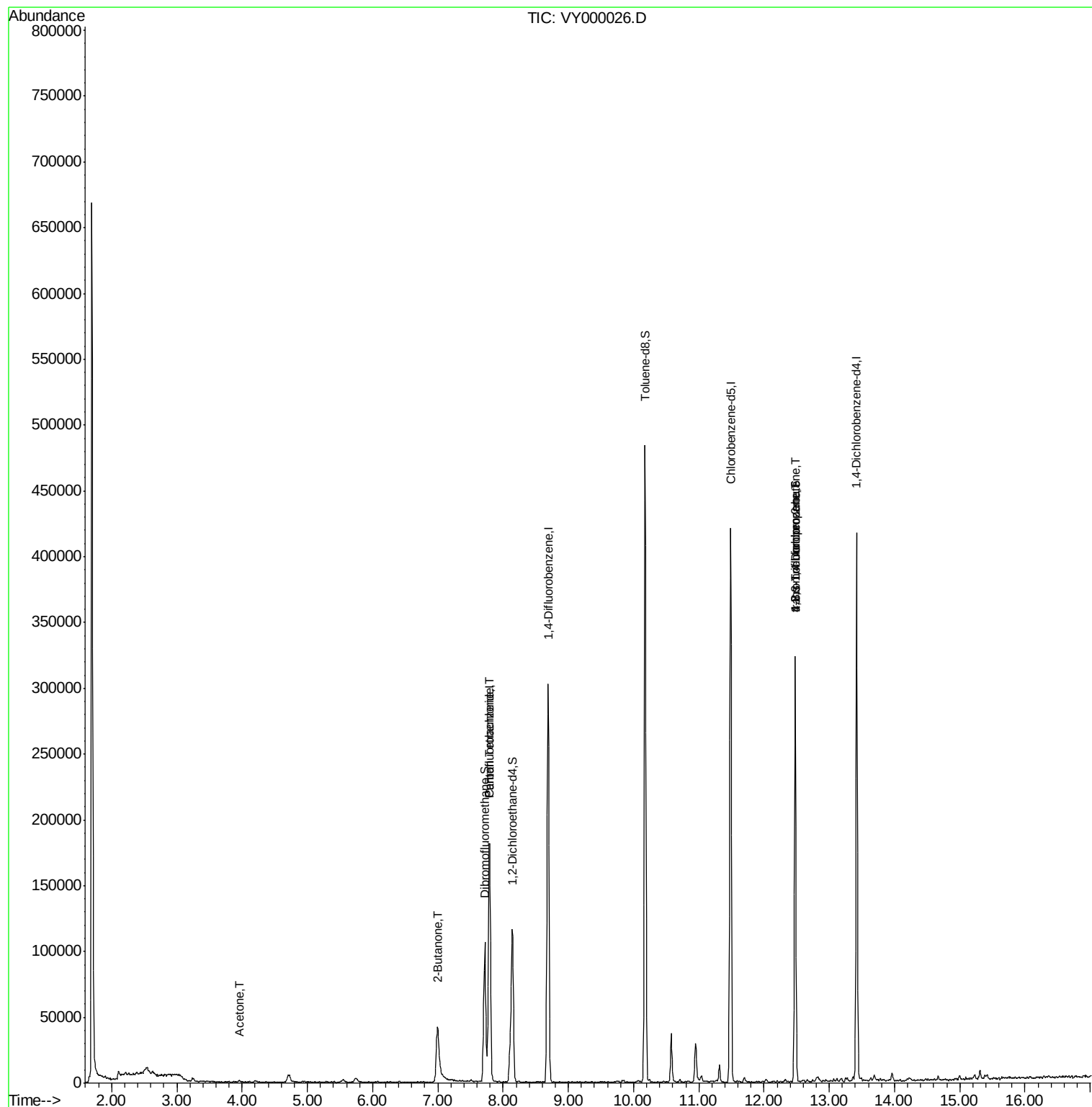
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	3870	Below Cal		97
5) Bromomethane	2.62	94	46	Below Cal	#	2
13) Acrolein	3.73	56	49	Below Cal	#	14
16) Acetone	3.96	43	1631	3.904	ug/l #	83
17) Carbon Disulfide	4.18	76	135	Below Cal	#	74
20) Methylene Chloride	4.71	84	3919	Below Cal	#	83
25) 2-Butanone	6.99	43	2264	3.334	ug/l	90
31) Cyclohexane	7.79	56	3765	Below Cal	#	7
38) Carbon Tetrachloride	7.79	117	13708	7.608	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	52855	40.241	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	52855	79.820	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.34	75	168	Below Cal	#	3

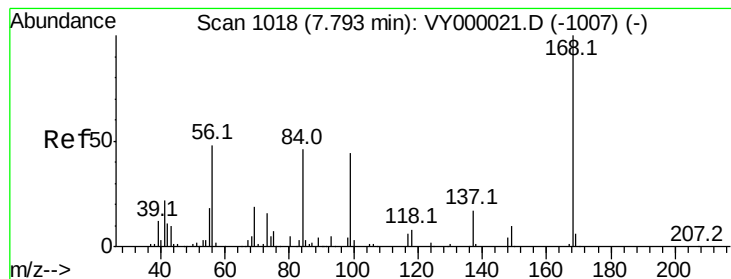
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 12 16:17:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY000026.D

Acq: 12 Sep 2019 14:53

Instrument :

MSVOA_Y

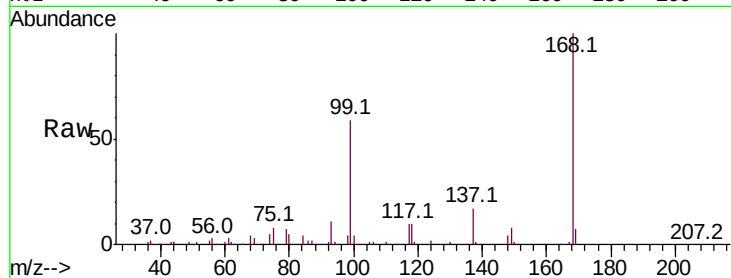
ClientSampled :

Tot Ion:168 Resp: 139859

Ion Ratio Lower Upper

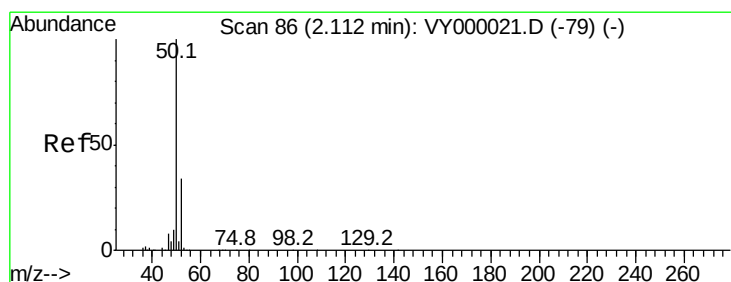
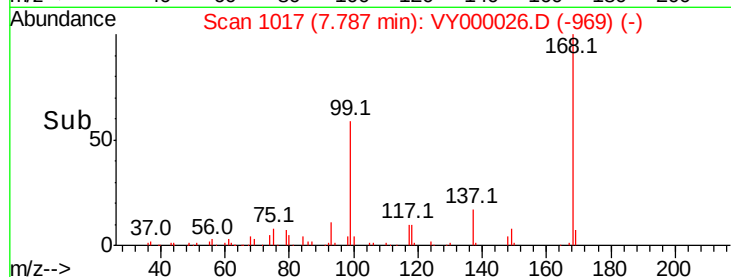
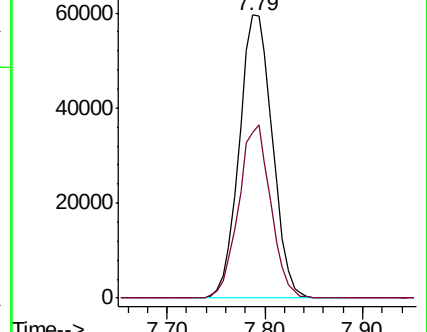
168 100

99 58.7 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VY000021.D (-1007) (-)

Ion 98.90 (98.60 to 99.60): VY000021.D (-1007) (-)



#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000026.D

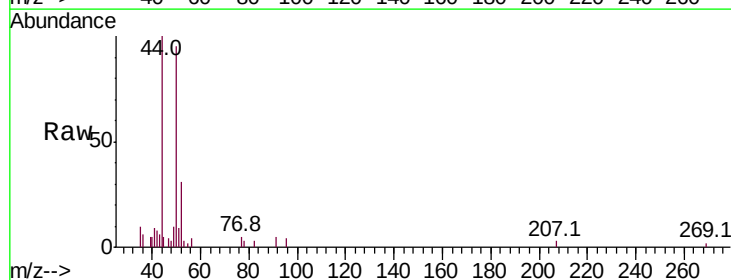
Acq: 12 Sep 2019 14:53

Tgt Ion: 50 Resp: 3870

Ion Ratio Lower Upper

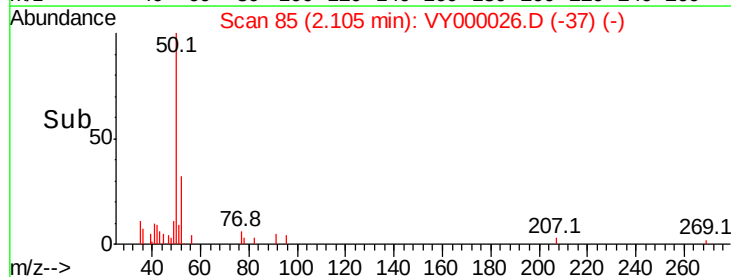
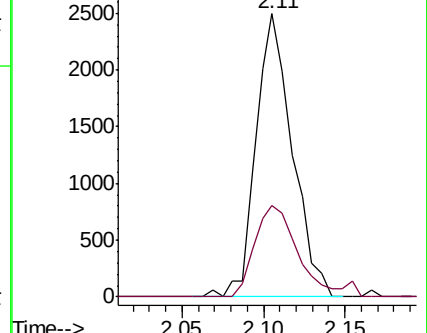
50 100

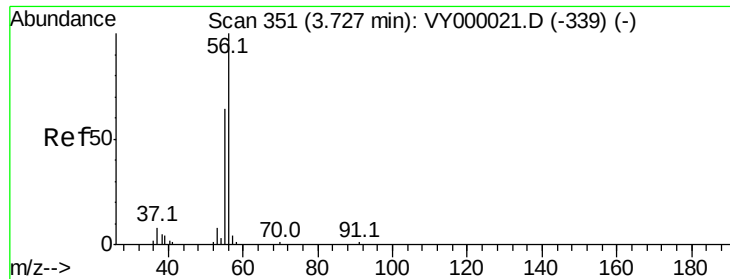
52 32.1 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VY000021.D (-79) (-)

Ion 51.90 (51.60 to 52.60): VY000021.D (-79) (-)





#13

Acrolein

Concen: Below Cal

RT: 3.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY000026.D

Acq: 12 Sep 2019 14:53

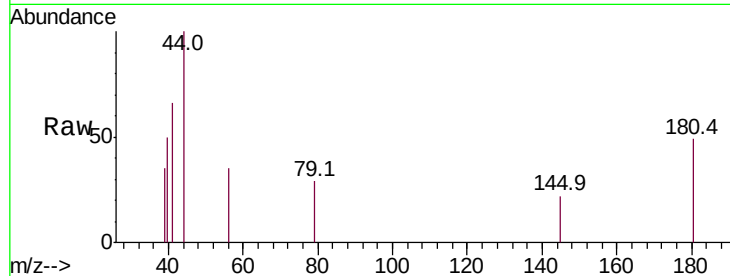
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 49

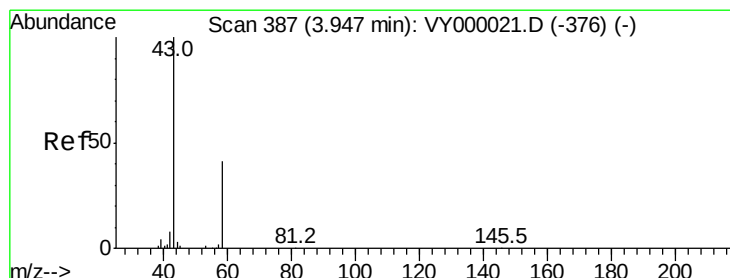
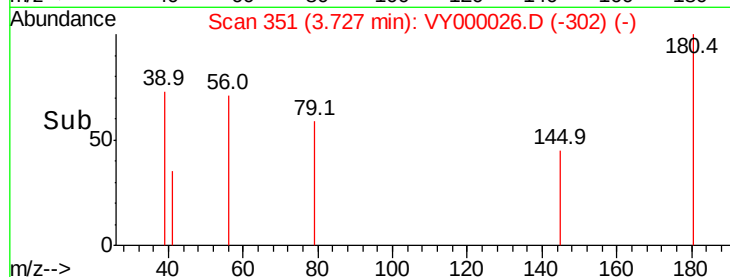
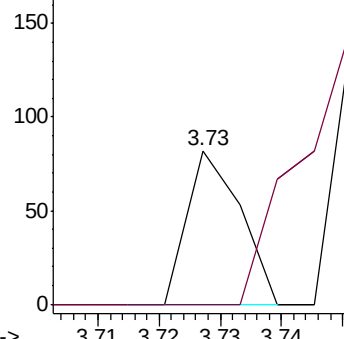
Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 55.00 (54.70 to 55.70): VY0



#16

Acetone

Concen: 3.904 ug/l

RT: 3.96 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000026.D

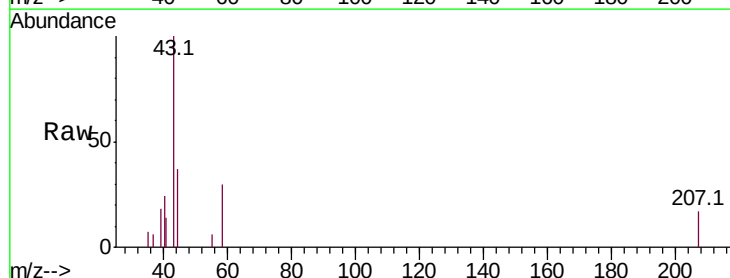
Acq: 12 Sep 2019 14:53

Tgt Ion: 43 Resp: 1631

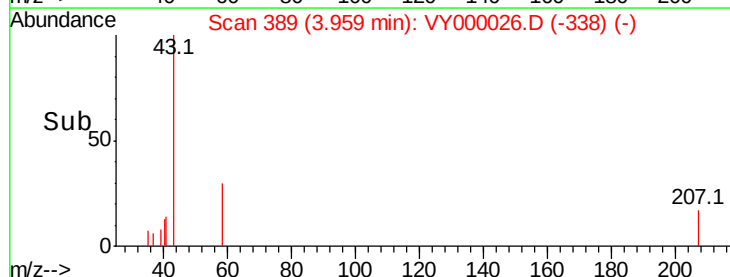
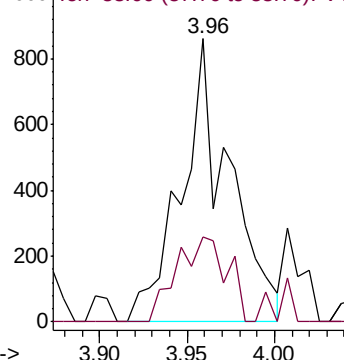
Ion Ratio Lower Upper

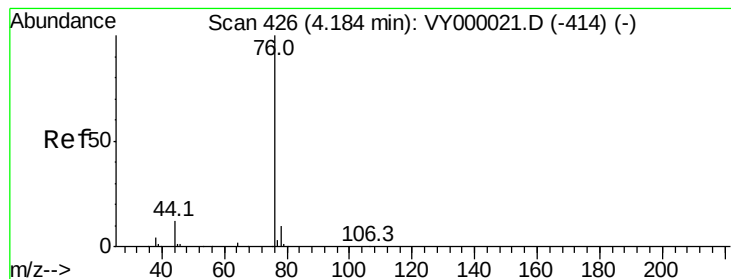
43 100

58 30.0 32.5 48.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.18 min Scan# 426

Delta R.T. 0.00 min

Lab File: VY000026.D

Acq: 12 Sep 2019 14:53

Instrument :

MSVOA_Y

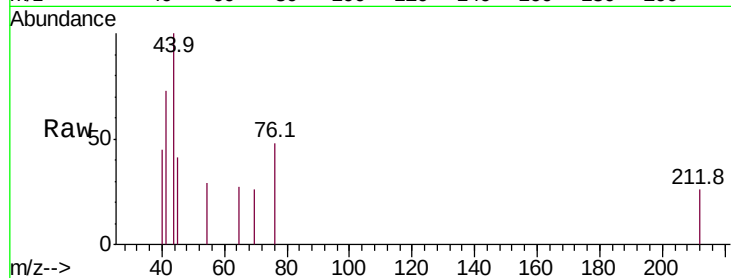
ClientSampleId :

Tot Ion: 76 Resp: 135

Ion Ratio Lower Upper

76 100

78 0.0 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.18

150

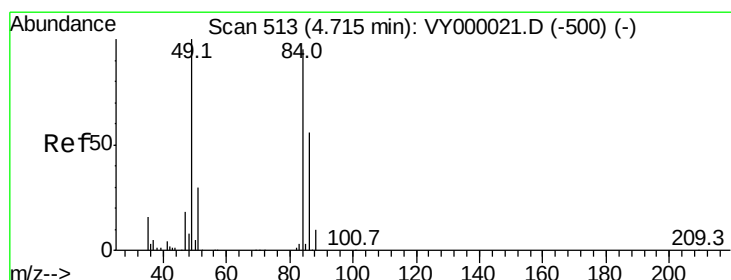
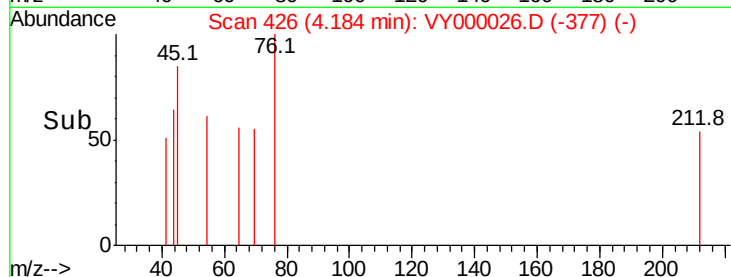
100

50

0

4.16 4.18 4.20 4.22

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.71 min Scan# 512

Delta R.T. -0.01 min

Lab File: VY000026.D

Acq: 12 Sep 2019 14:53

Tgt Ion: 84 Resp: 3919

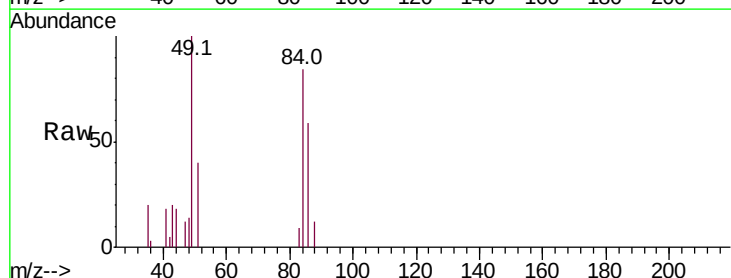
Ion Ratio Lower Upper

84 100

49 119.5 84.4 126.6

51 47.7 25.4 38.0#

86 71.0 47.4 71.2



Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

2500

2000

1500

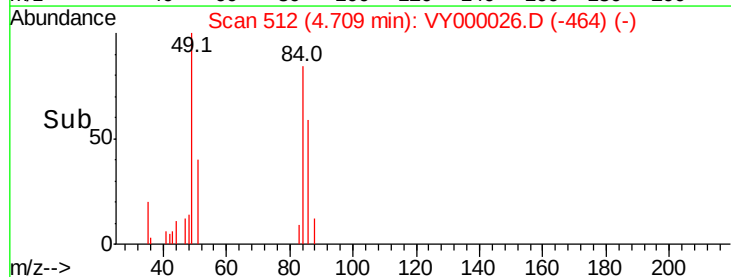
1000

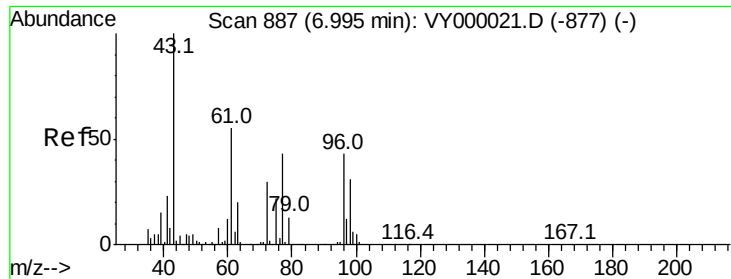
500

0

4.60 4.65 4.70 4.75 4.80

Time-->

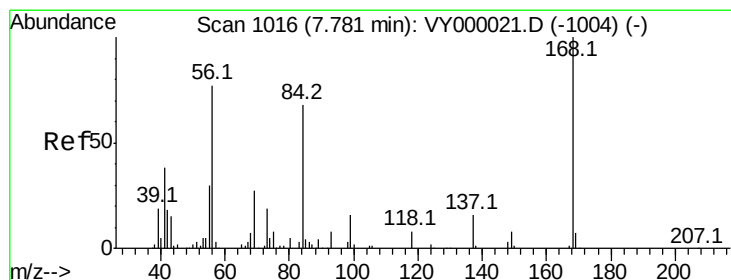
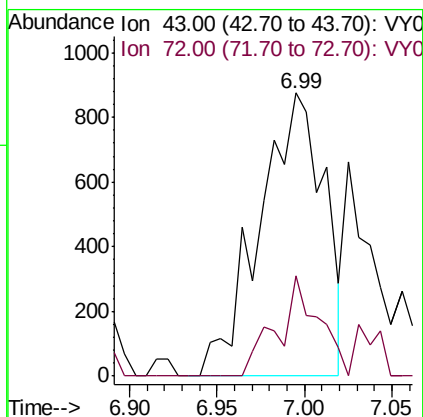
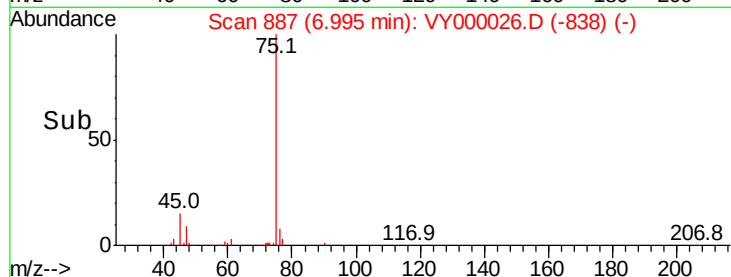
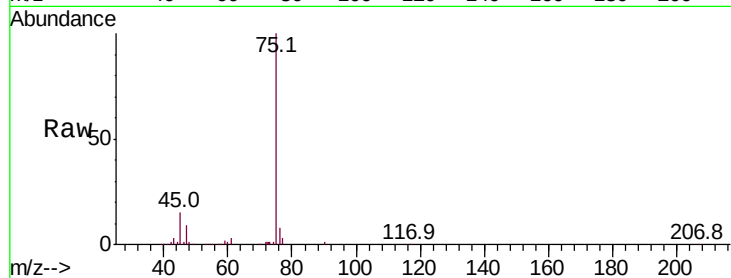




#25
2-Butanone
Concen: 3.334 ug/l
RT: 6.99 min Scan# 887
Delta R.T. -0.00 min
Lab File: VY000026.D
Acq: 12 Sep 2019 14:53

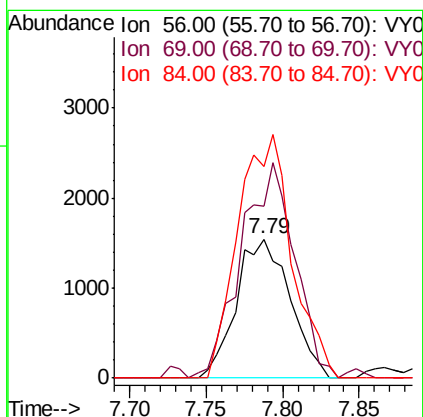
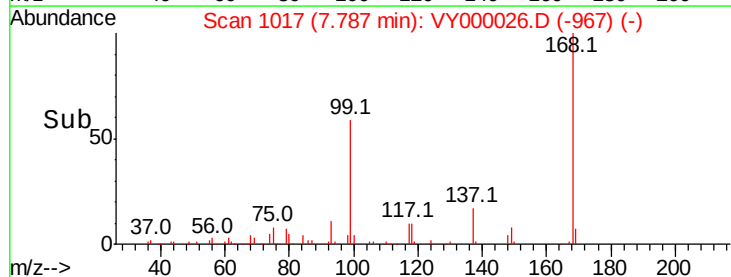
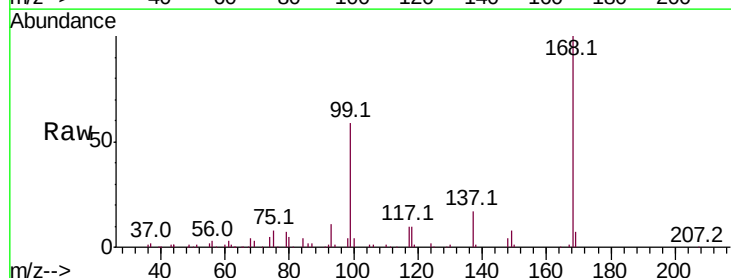
Instrument :
MSVOA_Y
ClientSampled :

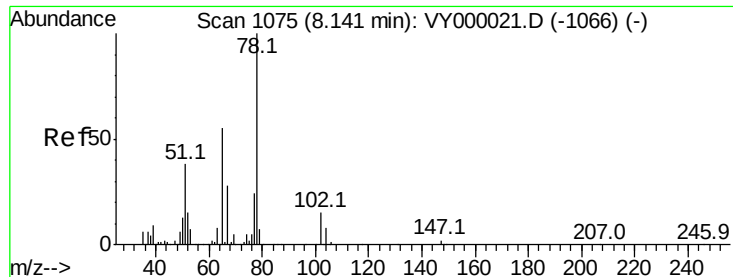
Tot Ion: 43 Resp: 2264
Ion Ratio Lower Upper
43 100
72 35.5 24.1 36.1



#31
Cyclohexane
Concen: Below Cal
RT: 7.79 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VY000026.D
Acq: 12 Sep 2019 14:53

Tgt Ion: 56 Resp: 3765
Ion Ratio Lower Upper
56 100
69 123.8 28.0 42.0#
84 152.3 70.4 105.6#

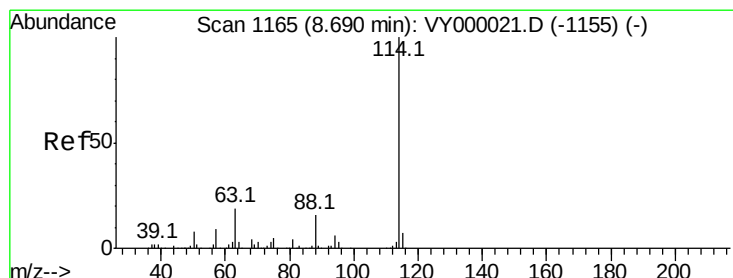
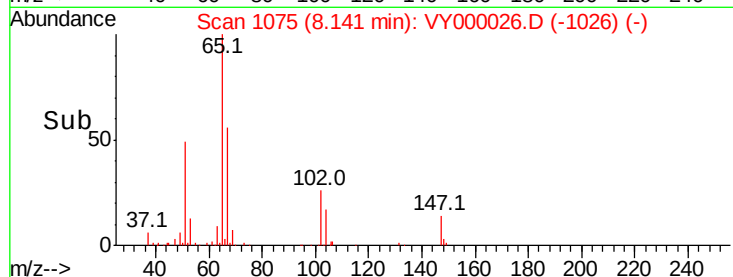
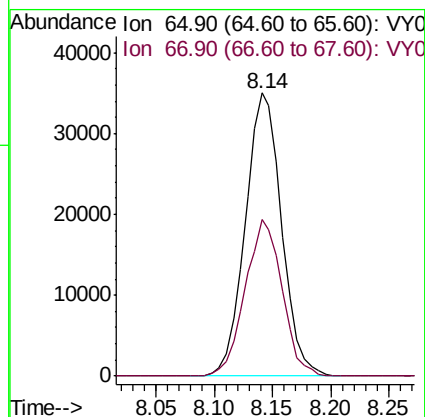
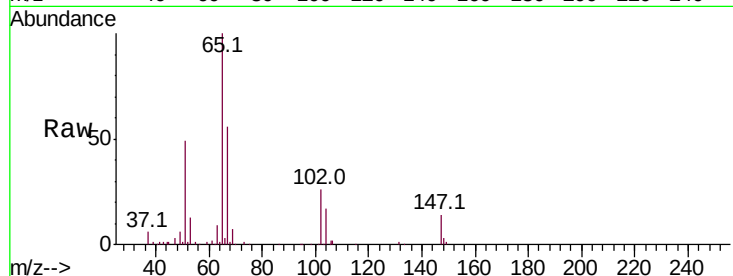




#33
 1,2-Dichloroethane-d4
 Concen: 50.404 ug/l
 RT: 8.14 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VY000026.D
 Acq: 12 Sep 2019 14:53

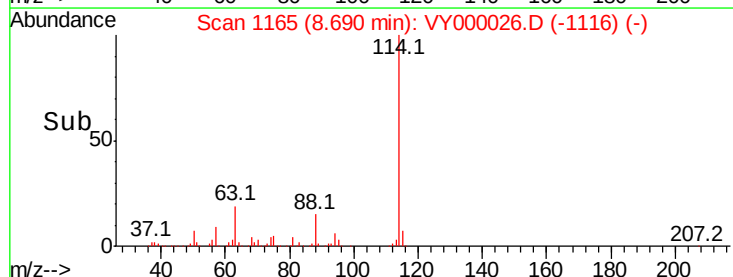
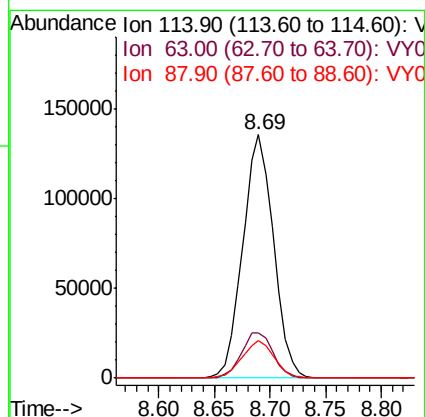
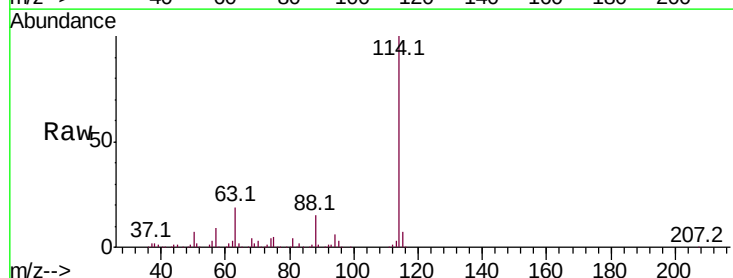
Instrument :
 MSVOA_Y
 ClientSampled :

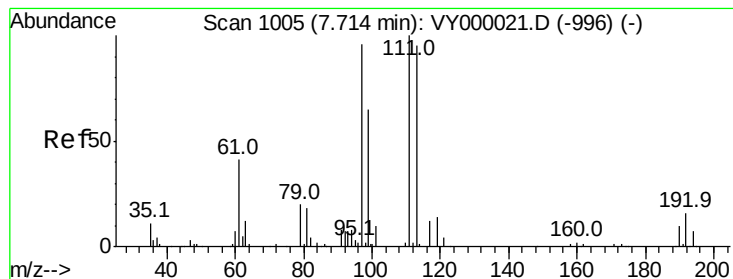
Tot Ion: 65 Resp: 75937
 Ion Ratio Lower Upper
 65 100
 67 56.5 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000026.D
 Acq: 12 Sep 2019 14:53

Tgt Ion: 114 Resp: 259975
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.6
 88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.656 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000026.D

Acq: 12 Sep 2019 14:53

Instrument :
MSVOA_Y
ClientSampleId :

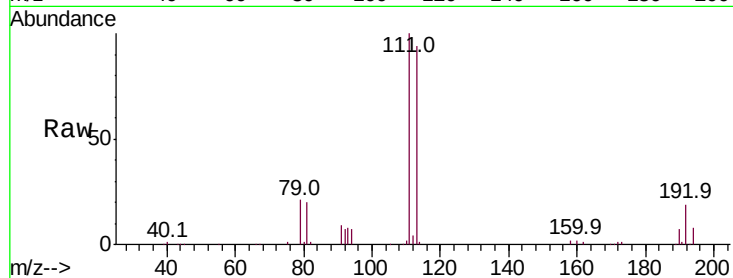
Tot Ion:113 Resp: 75551

Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.9	125.9
192	17.1	14.5	21.7

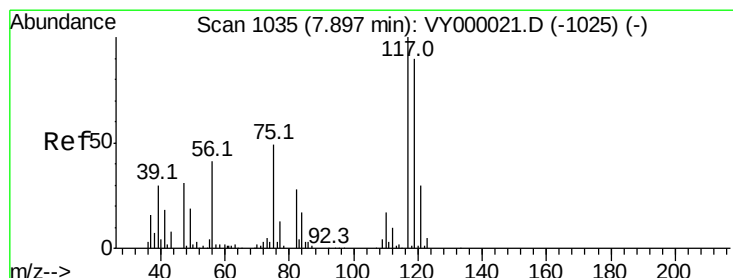
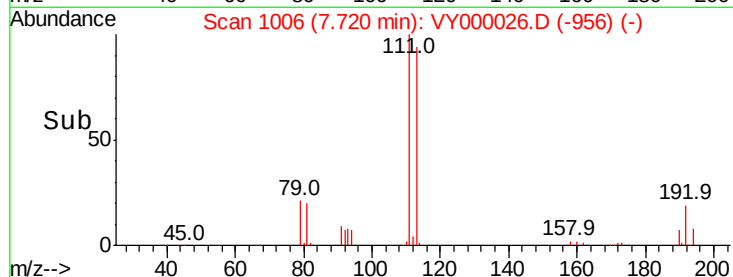
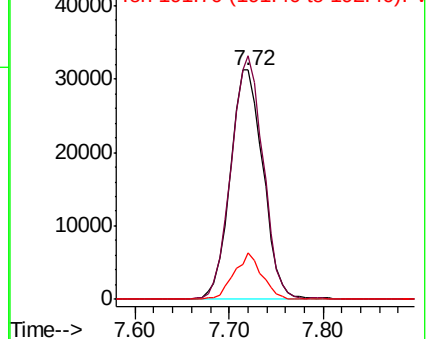
113 100

111 103.4 83.9 125.9

192 17.1 14.5 21.7



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



#38

Carbon Tetrachloride

Concen: 7.608 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.10 min

Lab File: VY000026.D

Acq: 12 Sep 2019 14:53

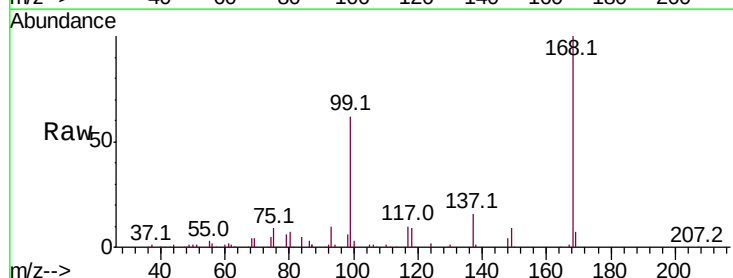
Tgt Ion:117 Resp: 13708

Ion	Ratio	Lower	Upper
117	100		
119	4.5	72.1	108.1#
121	0.0	23.9	35.9#

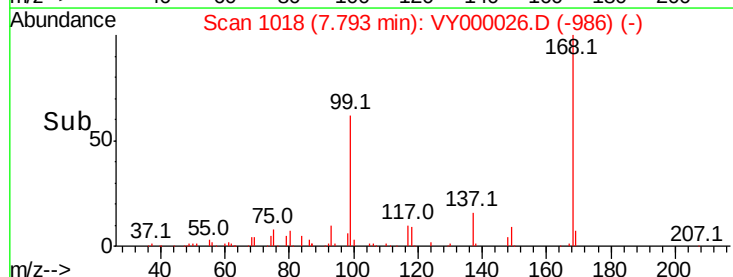
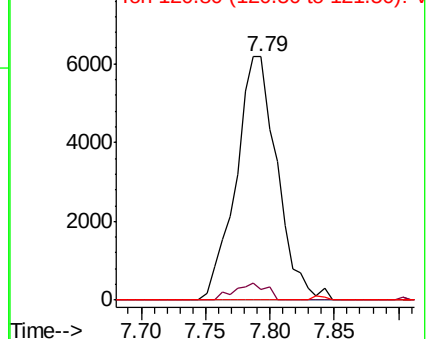
117 100

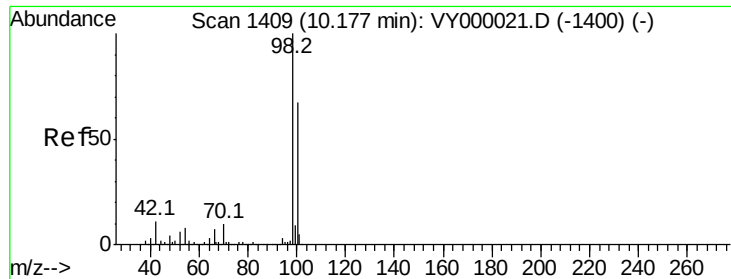
119 4.5 72.1 108.1#

121 0.0 23.9 35.9#



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: 52.664 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000026.D

Acq: 12 Sep 2019 14:53

Instrument :

MSVOA_Y

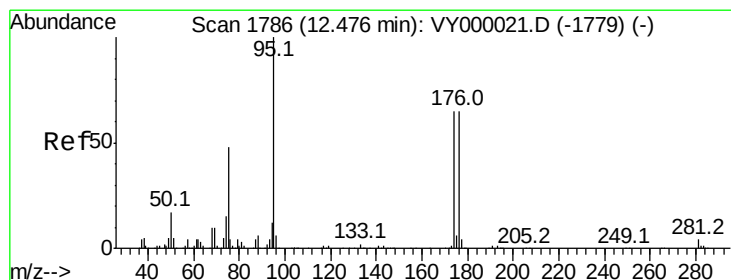
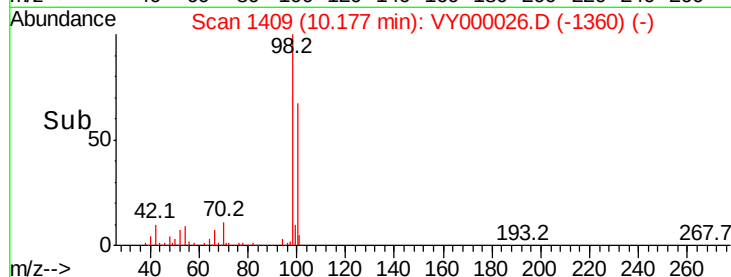
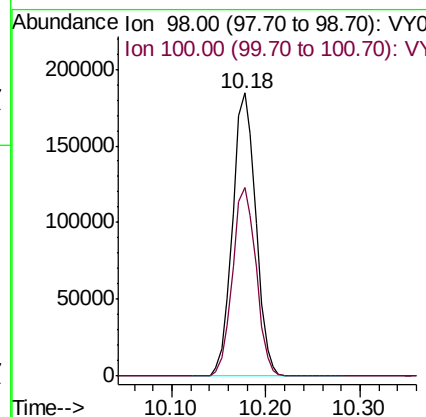
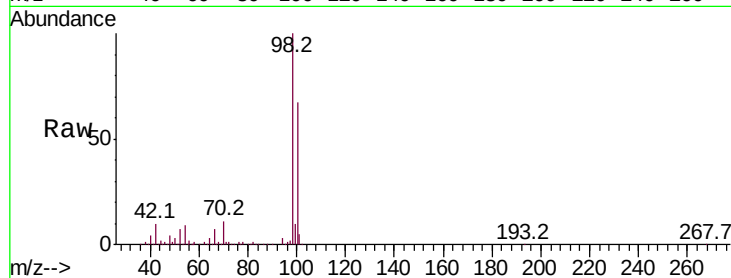
ClientSampleId :

Tot Ion: 98 Resp: 316248

Ion Ratio Lower Upper

98 100

100 67.4 54.0 81.0



#62

4-Bromofluorobenzene

Concen: 50.465 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000026.D

Acq: 12 Sep 2019 14:53

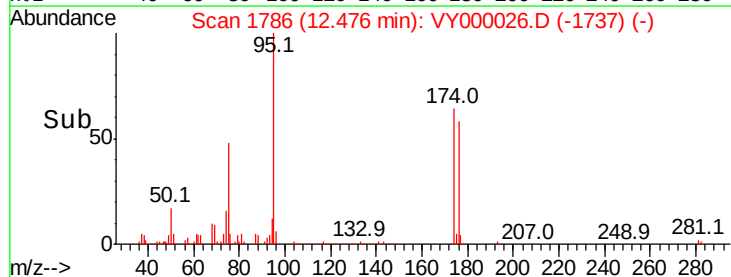
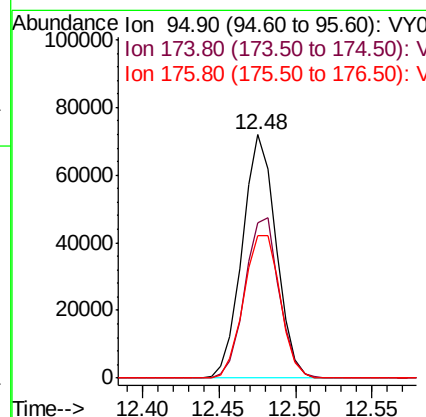
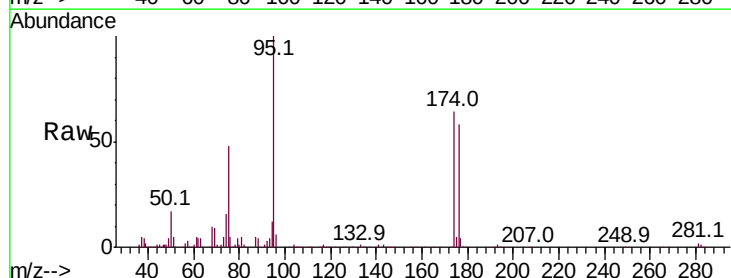
Tgt Ion: 95 Resp: 110146

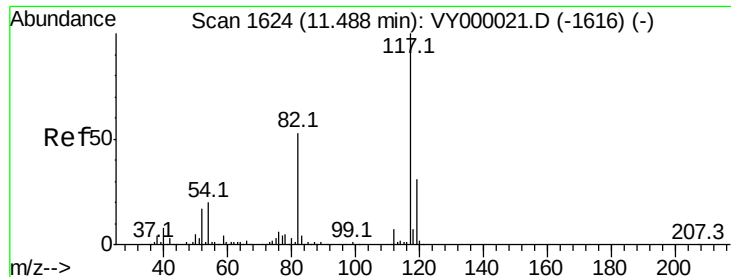
Ion Ratio Lower Upper

95 100

174 66.9 0.0 137.6

176 63.4 0.0 134.8

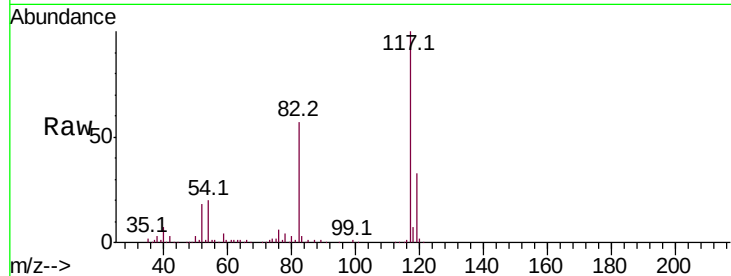




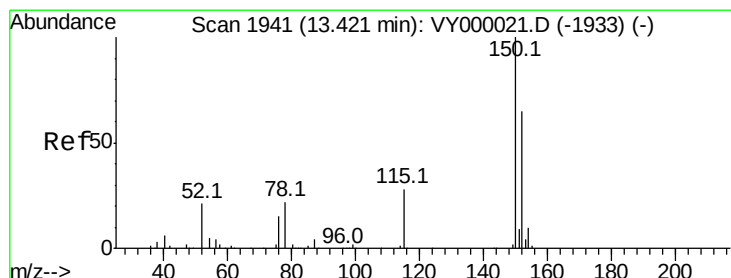
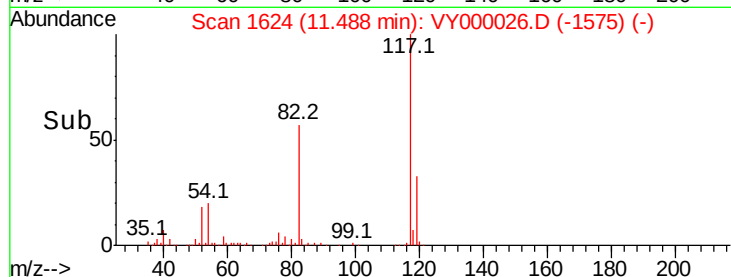
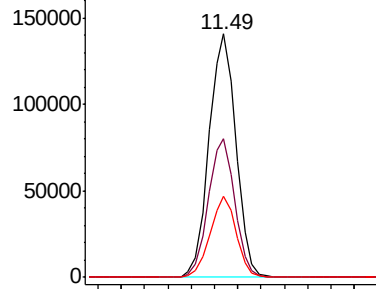
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000026.D
Acq: 12 Sep 2019 14:53

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 227202
Ion Ratio Lower Upper
117 100
82 56.8 42.5 63.7
119 33.4 25.1 37.7

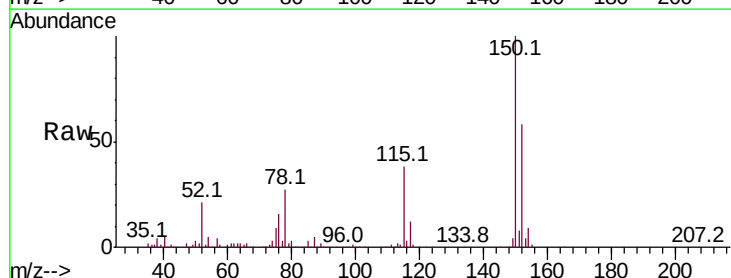


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

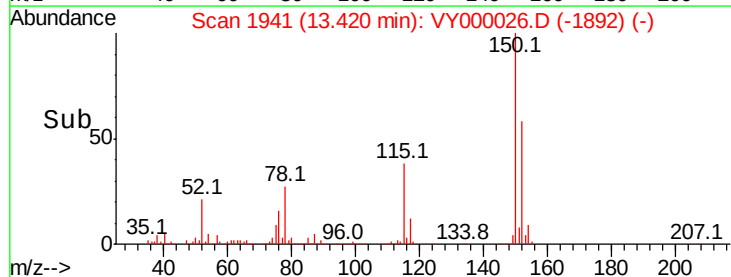
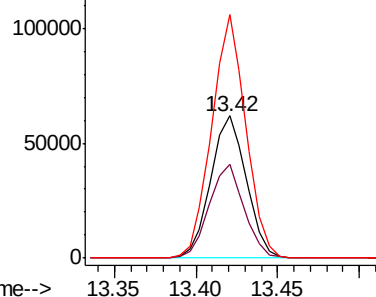


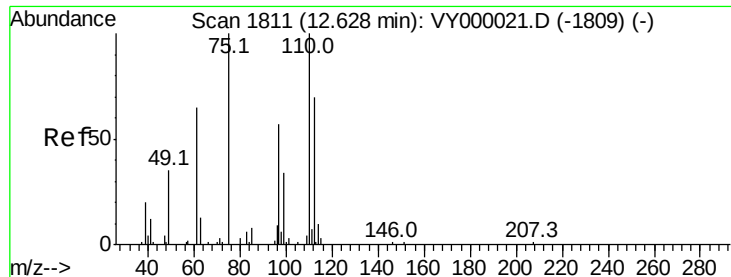
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000026.D
Acq: 12 Sep 2019 14:53

Tgt Ion:152 Resp: 94565
Ion Ratio Lower Upper
152 100
115 63.6 29.4 88.2
150 162.8 0.0 349.0



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: 40.241 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.15 min

Lab File: VY000026.D

Acq: 12 Sep 2019 14:53

Instrument :

MSVOA_Y

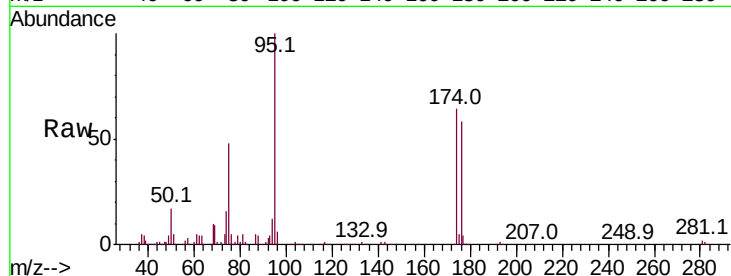
ClientSampled :

Tot Ion: 75 Resp: 52855

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

12.48

40000

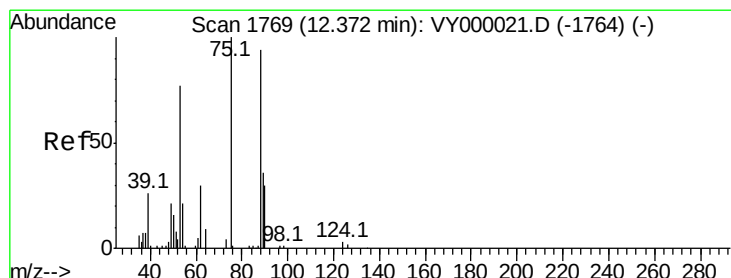
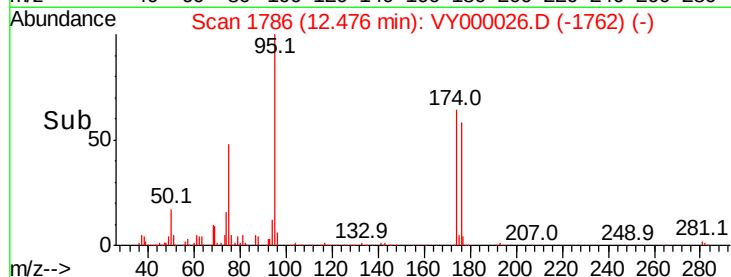
30000

20000

10000

0

Time--> 12.40 12.45 12.50 12.55



#81

trans-1,4-Dichloro-2-butene

Concen: 79.820 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000026.D

Acq: 12 Sep 2019 14:53

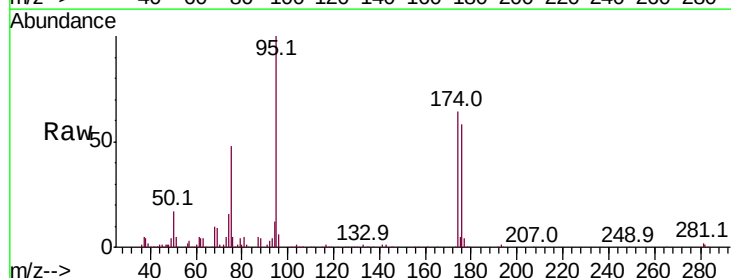
Tgt Ion: 75 Resp: 52855

Ion Ratio Lower Upper

75 100

53 0.0 64.2 96.2#

89 0.0 35.5 53.3#



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

40000

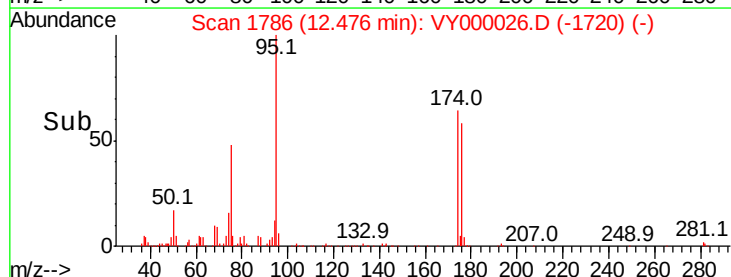
30000

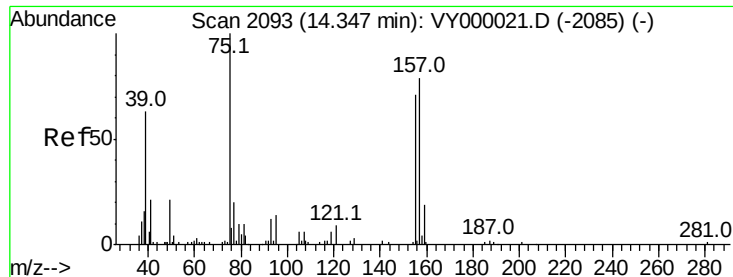
20000

10000

0

Time--> 12.40 12.45 12.50 12.55





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.34 min Scan# 2092

Delta R.T. -0.01 min

Lab File: VY000026.D

Acq: 12 Sep 2019 14:53

Instrument :

MSVOA_Y

ClientSampleId :

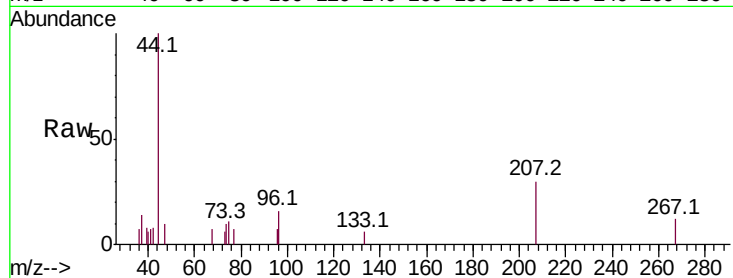
Tot Ion: 75 Resp: 168

Ion Ratio Lower Upper

75 100

155 0.0 41.8 125.3#

157 0.0 51.3 153.9#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

