

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY092319\
 Data File : VY000135.D
 Acq On : 23 Sep 2019 16:57
 Operator : SY/MD
 Sample : K5008-05
 Misc : 6.40g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5

Quant Time: Sep 24 05:22:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 05:14:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	98541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	204786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	169306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	66552	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	62691	55.34	ug/l	0.00
Spiked Amount			Recovery	=	110.68%	
35) Dibromofluoromethane	7.72	113	57684	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
50) Toluene-d8	10.18	98	236314	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.48	95	75558	43.40	ug/l	0.00
Spiked Amount			Recovery	=	86.80%	

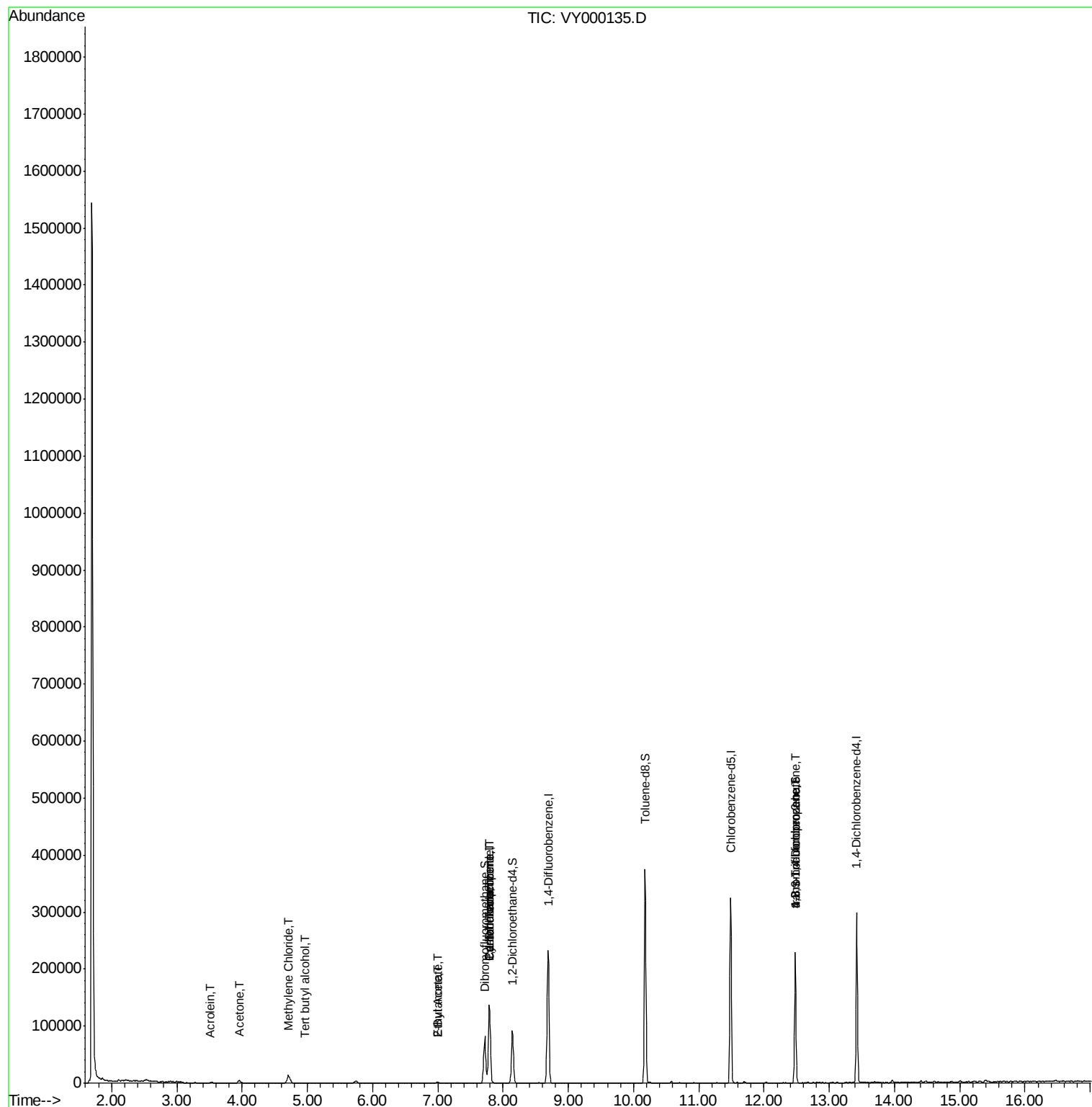
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	1703	Below Cal		95
11) Tert butyl alcohol	4.96	59	203	1.736	ug/l #	72
13) Acrolein	3.51	56	49	1.031	ug/l #	73
16) Acetone	3.96	43	7433	33.756	ug/l	98
20) Methylene Chloride	4.71	84	10384	7.017	ug/l #	85
25) 2-Butanone	7.01	43	2295	5.618	ug/l #	61
31) Cyclohexane	7.78	56	2596	1.178	ug/l #	25
36) 1,1-Dichloropropene	7.78	75	8976	4.734	ug/l #	47
37) Ethyl Acetate	7.01	43	2295	2.292	ug/l #	66
38) Carbon Tetrachloride	7.79	117	9874	6.067	ug/l #	19
76) 1,2,3-Trichloropropane	12.48	75	40028	57.392	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	40028	94.337	ug/l #	19

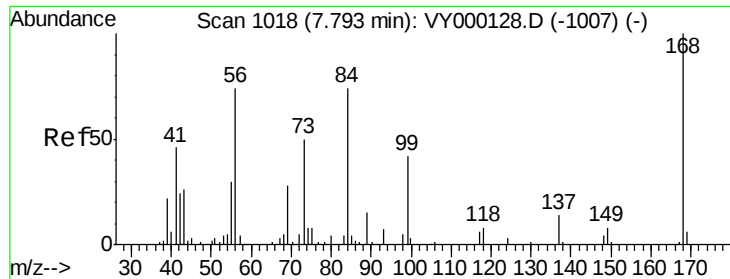
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY092319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY000135.D

Acq: 23 Sep 2019 16:57

Instrument :

MSVOA_Y

ClientSampled :

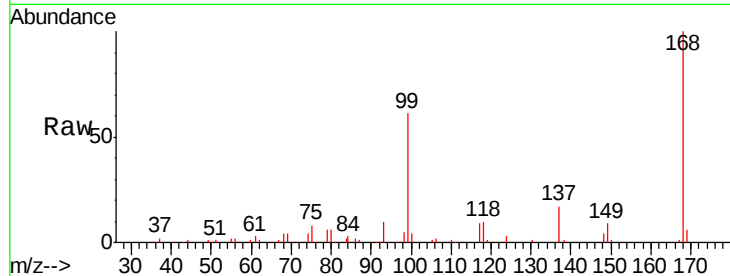
SB-5

Tgt Ion:168 Resp: 98541

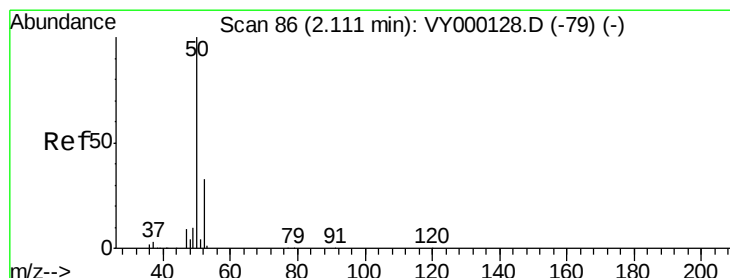
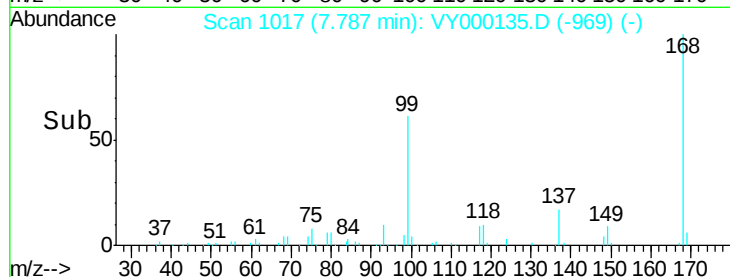
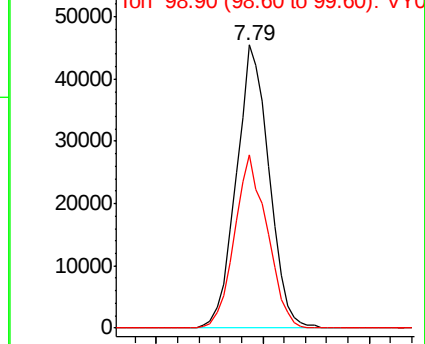
Ion Ratio Lower Upper

168 100

99 61.0 49.9 74.9



Abundance Ion 167.90 (167.60 to 168.60): VY000128.D (-1007) (-)



#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000135.D

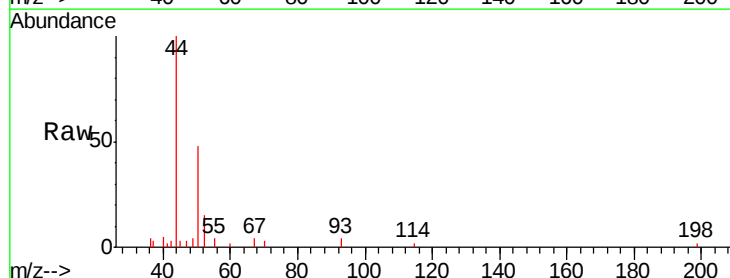
Acq: 23 Sep 2019 16:57

Tgt Ion: 50 Resp: 1703

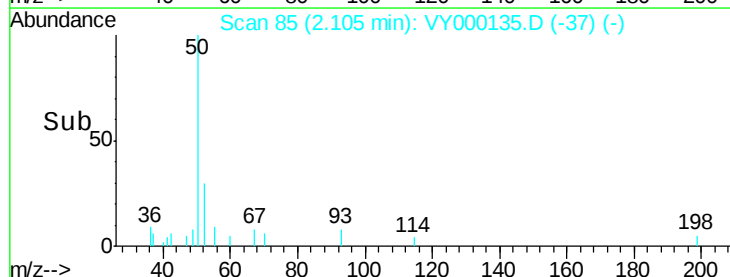
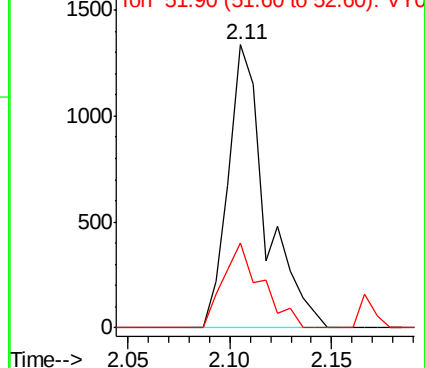
Ion Ratio Lower Upper

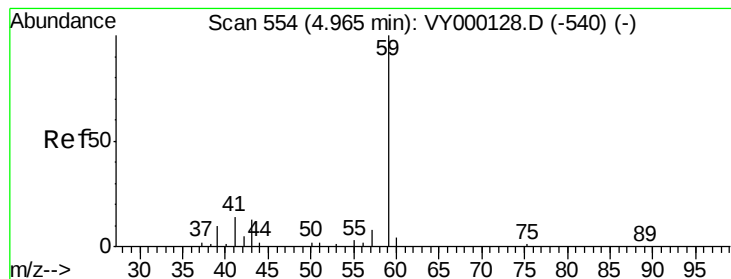
50 100

52 30.2 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VY000128.D (-79) (-)



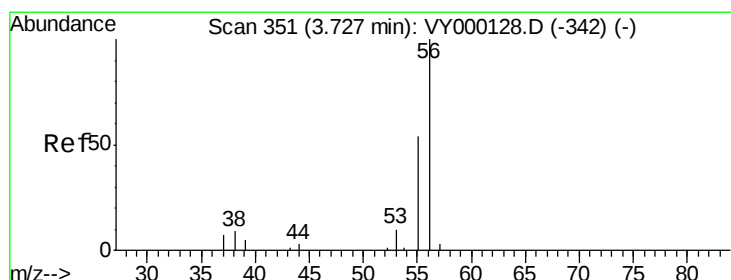
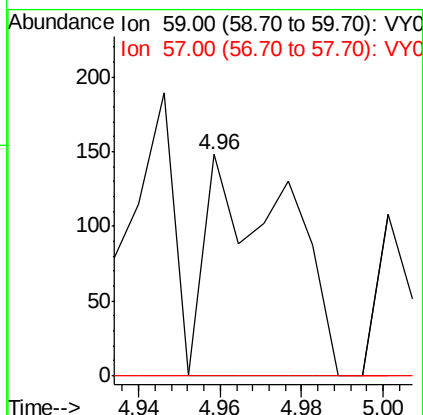
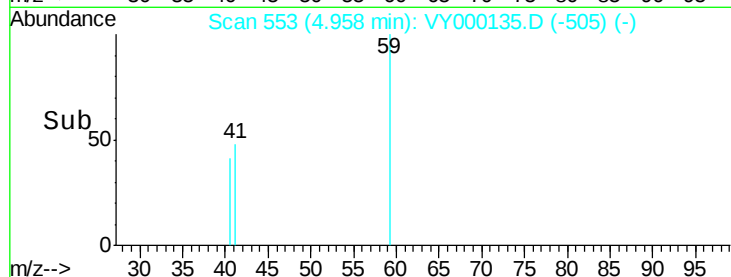
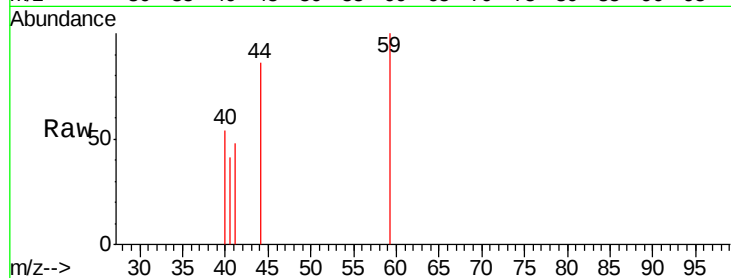


#11

Tert butyl alcohol
 Concen: 1.736 ug/l
 RT: 4.96 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: VY000135.D
 Acq: 23 Sep 2019 16:57

Instrument :
 MSVOA_Y
 ClientSampled :
 SB-5

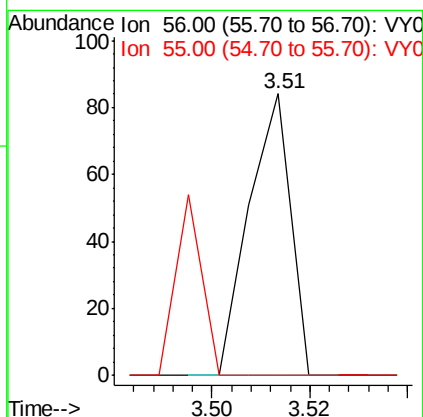
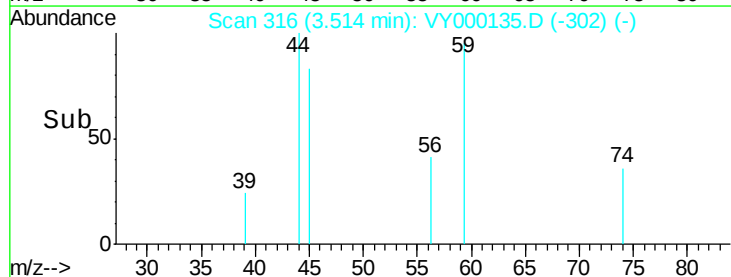
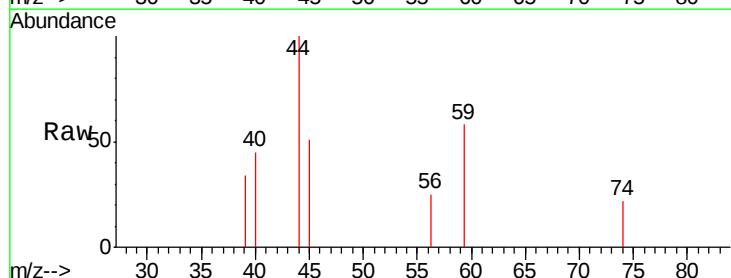
Tgt Ion: 59 Resp: 203
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

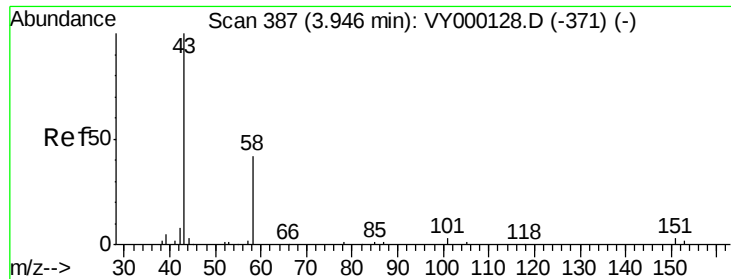


#13

Acrolein
 Concen: 1.031 ug/l
 RT: 3.51 min Scan# 316
 Delta R.T. -0.21 min
 Lab File: VY000135.D
 Acq: 23 Sep 2019 16:57

Tgt Ion: 56 Resp: 49
 Ion Ratio Lower Upper
 56 100
 55 40.8 49.4 74.0#





#16

Acetone

Concen: 33.756 ug/l

RT: 3.96 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000135.D

Acq: 23 Sep 2019 16:57

Instrument :

MSVOA_Y

ClientSampleId :

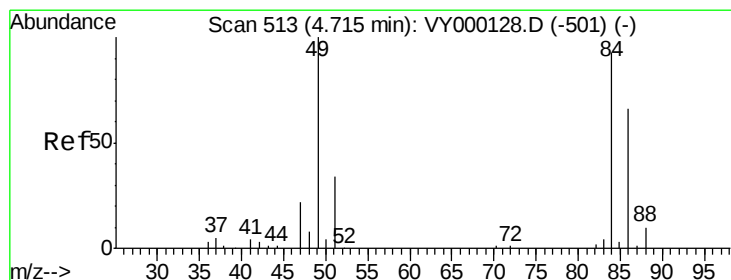
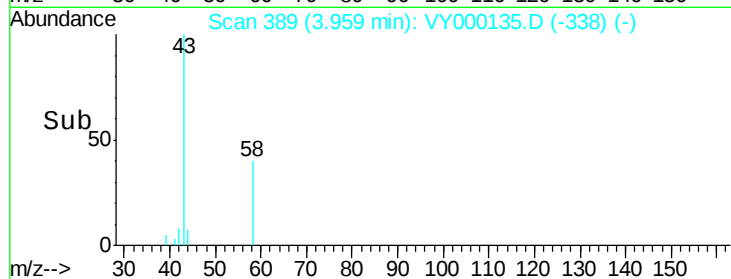
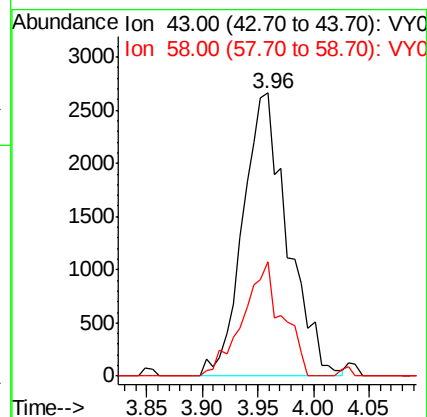
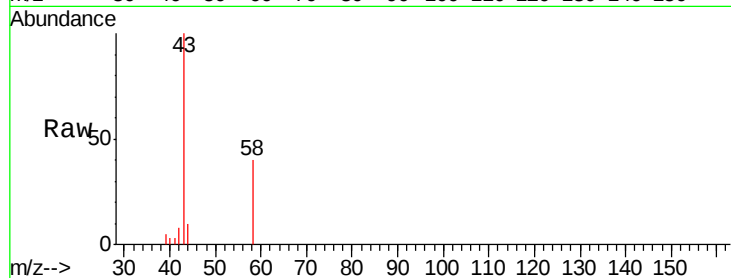
SB-5

Tgt Ion: 43 Resp: 7433

Ion Ratio Lower Upper

43 100

58 40.4 33.5 50.3



#20

Methylene Chloride

Concen: 7.017 ug/l

RT: 4.71 min Scan# 512

Delta R.T. -0.01 min

Lab File: VY000135.D

Acq: 23 Sep 2019 16:57

Tgt Ion: 84 Resp: 10384

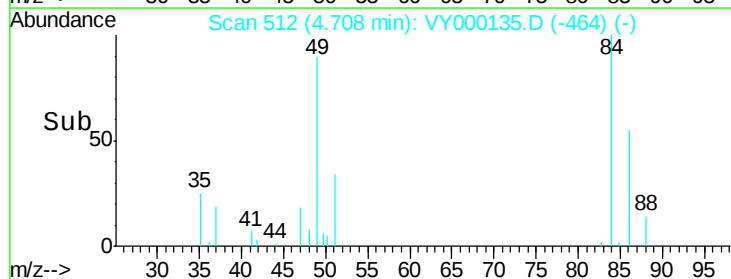
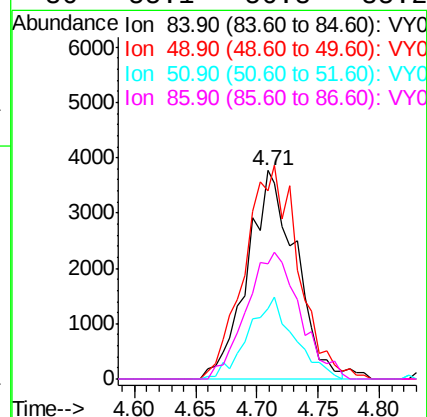
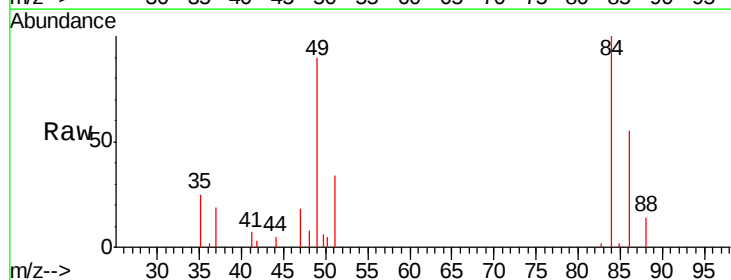
Ion Ratio Lower Upper

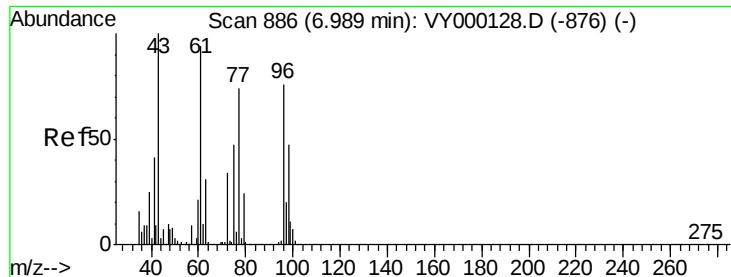
84 100

49 90.1 85.8 128.6

51 33.6 29.2 43.8

86 55.1 56.8 85.2#

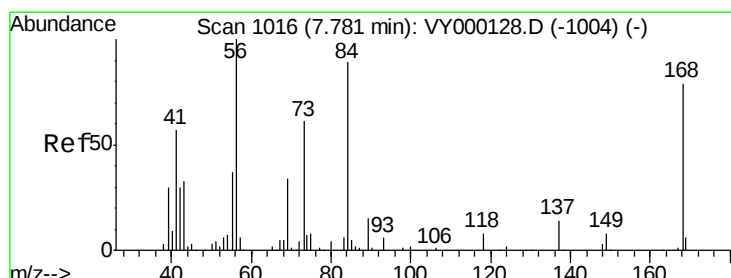
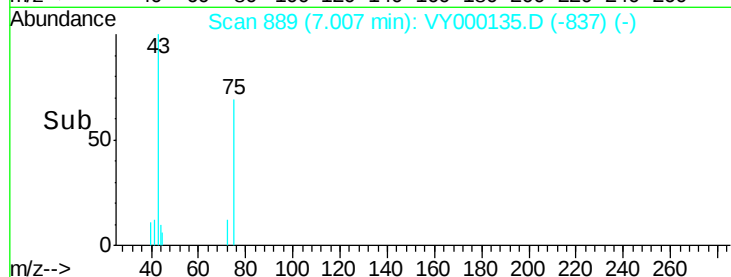
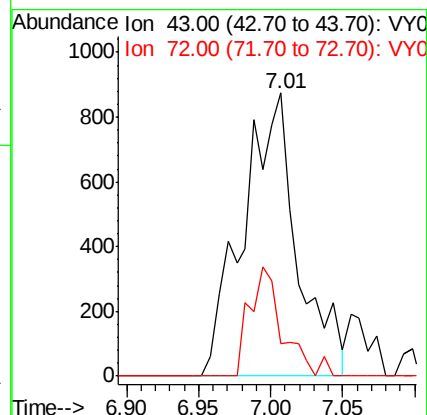
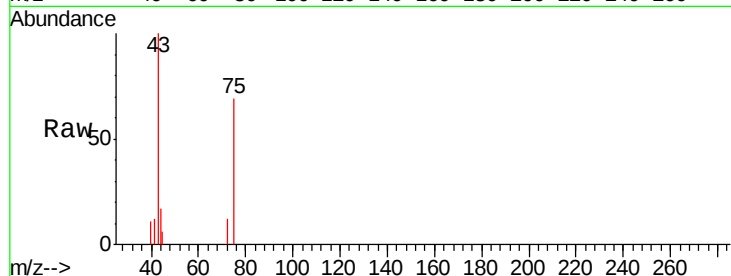




#25
2-Butanone
Concen: 5.618 ug/l
RT: 7.01 min Scan# 889
Delta R.T. 0.02 min
Lab File: VY000135.D
Acq: 23 Sep 2019 16:57

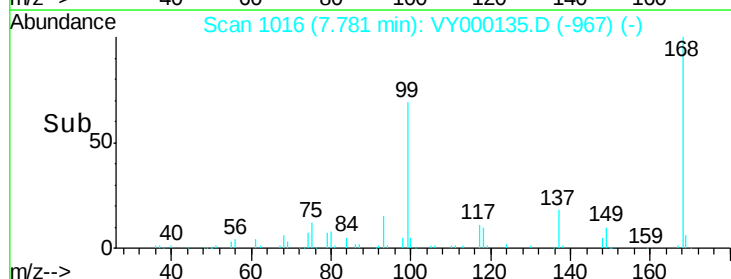
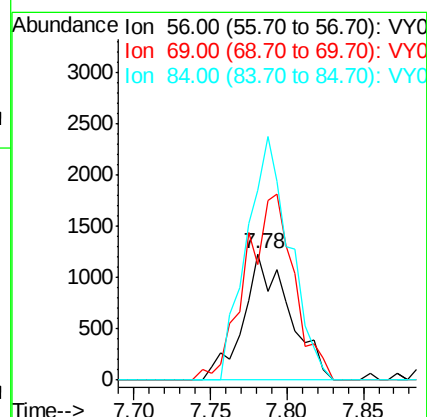
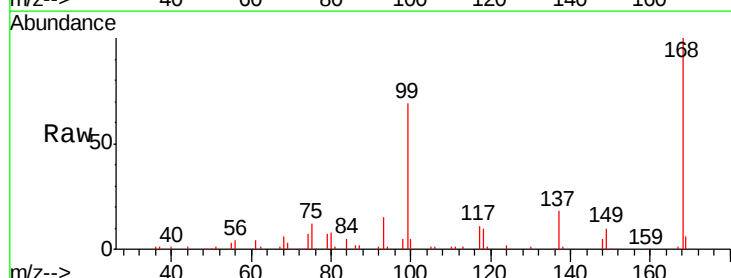
Instrument :
MSVOA_Y
ClientSampled :
SB-5

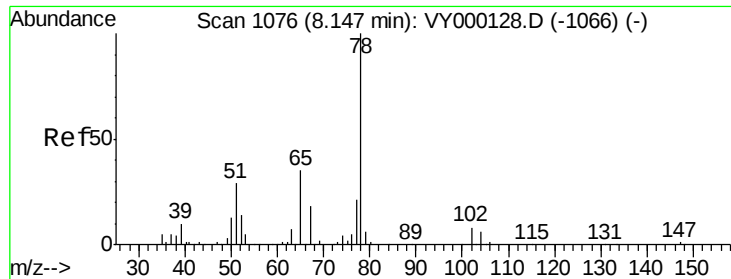
Tgt Ion: 43 Resp: 2295
Ion Ratio Lower Upper
43 100
72 11.7 27.0 40.6#



#31
Cyclohexane
Concen: 1.178 ug/l
RT: 7.78 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VY000135.D
Acq: 23 Sep 2019 16:57

Tgt Ion: 56 Resp: 2596
Ion Ratio Lower Upper
56 100
69 91.3 27.1 40.7#
84 150.2 71.3 106.9#





#33

1,2-Dichloroethane-d4

Concen: 55.344 ug/l

RT: 8.14 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY000135.D

Acq: 23 Sep 2019 16:57

Instrument :

MSVOA_Y

ClientSampleId :

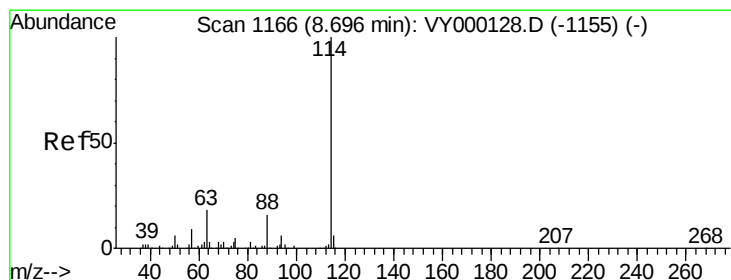
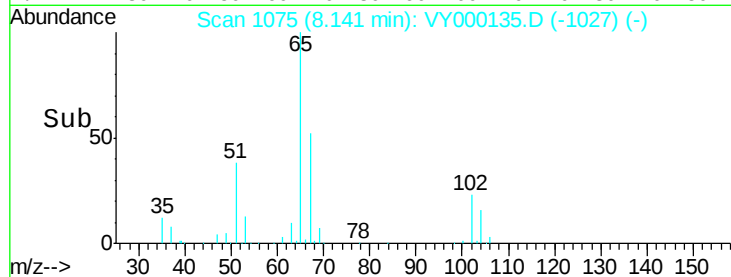
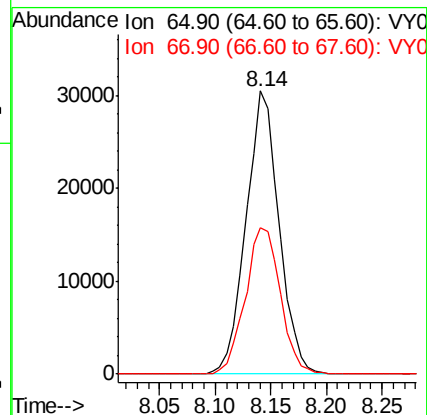
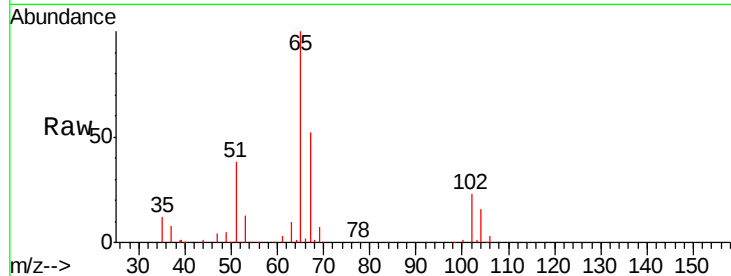
SB-5

Tgt Ion: 65 Resp: 62691

Ion Ratio Lower Upper

65 100

67 55.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. -0.01 min

Lab File: VY000135.D

Acq: 23 Sep 2019 16:57

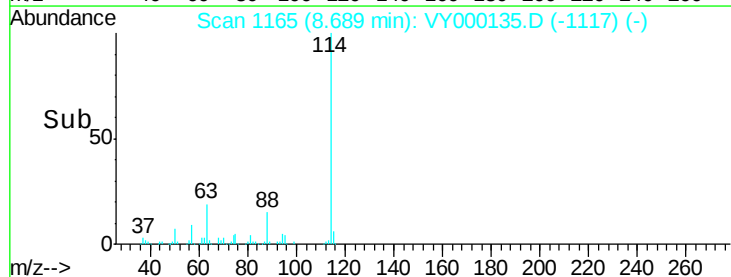
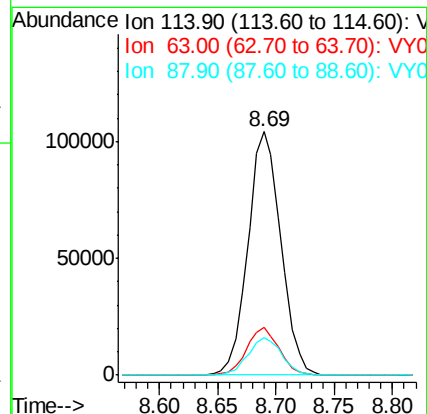
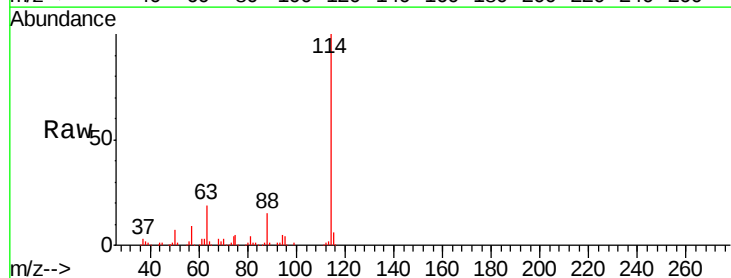
Tgt Ion: 114 Resp: 204786

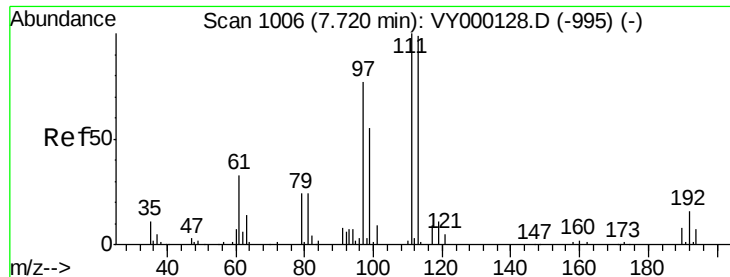
Ion Ratio Lower Upper

114 100

63 19.4 0.0 35.6

88 15.3 0.0 31.8

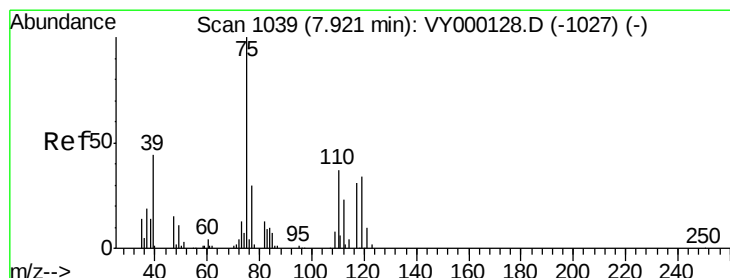
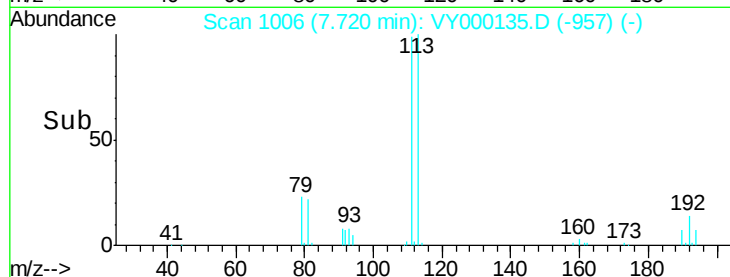
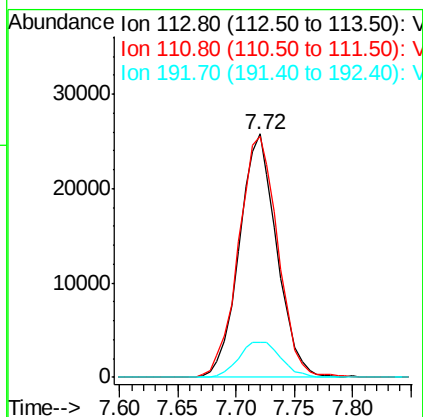
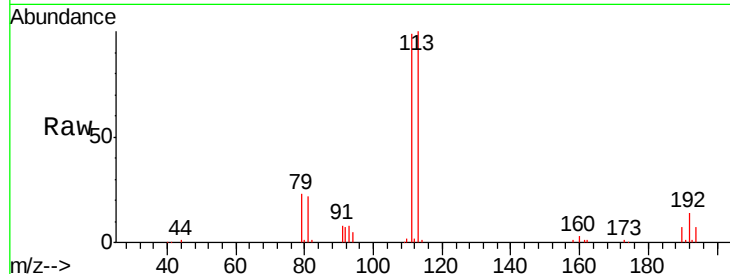




#35
 Dibromofluoromethane
 Concen: 49.056 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. -0.00 min
 Lab File: VY000135.D
 Acq: 23 Sep 2019 16:57

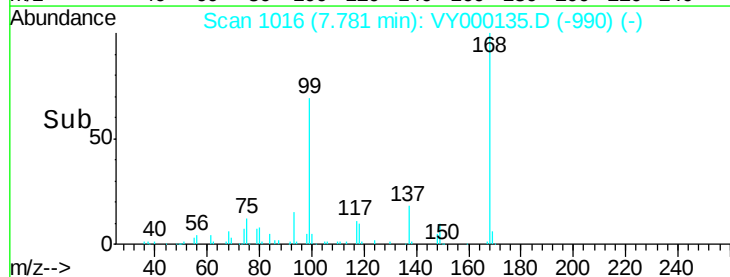
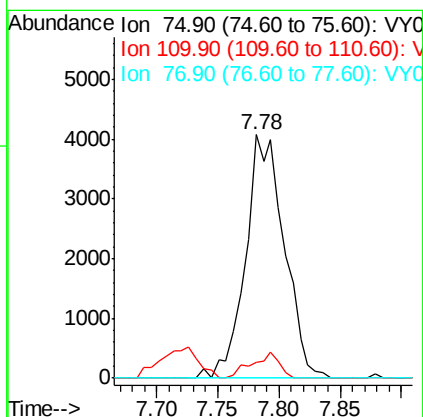
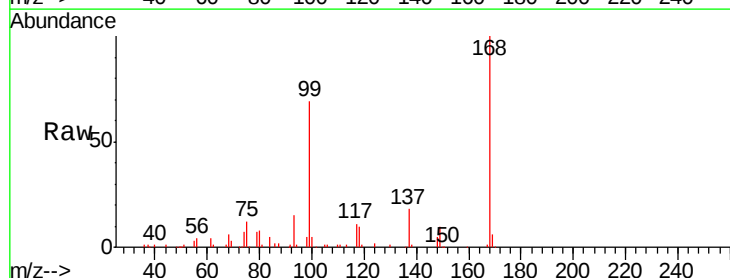
Instrument :
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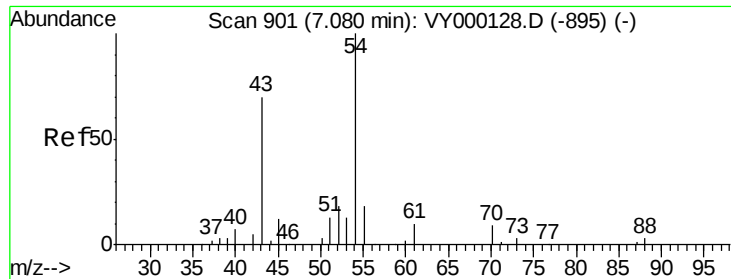
Tgt Ion: 113 Resp: 57684
 Ion Ratio Lower Upper
 113 100
 111 104.2 83.0 124.4
 192 16.3 13.5 20.3



#36
 1,1-Dichloropropene
 Concen: 4.734 ug/l
 RT: 7.78 min Scan# 1016
 Delta R.T. -0.14 min
 Lab File: VY000135.D
 Acq: 23 Sep 2019 16:57

Tgt Ion: 75 Resp: 8976
 Ion Ratio Lower Upper
 75 100
 110 7.6 19.1 57.3#
 77 0.0 24.7 37.1#

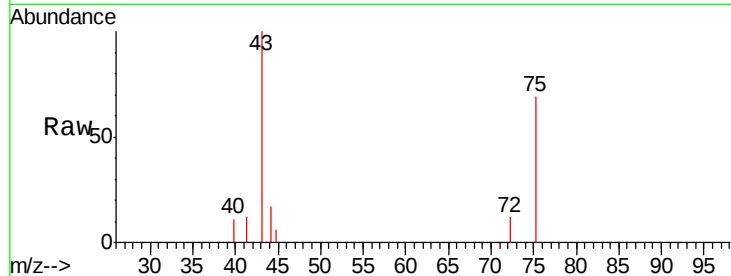




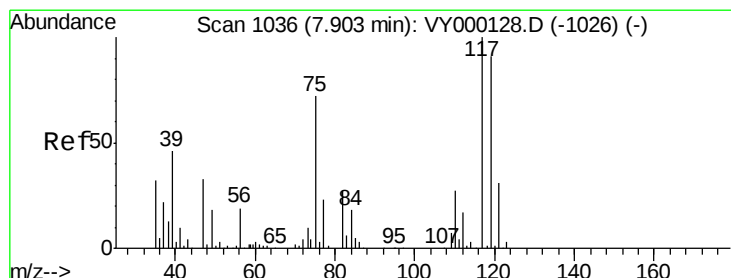
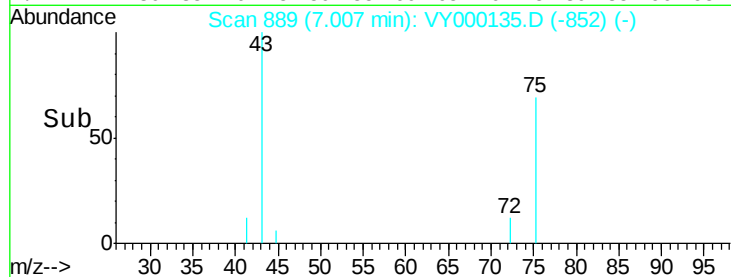
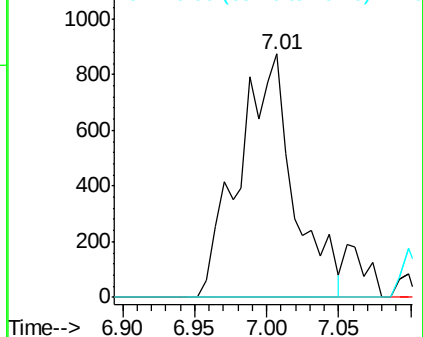
#37
Ethyl Acetate
Concen: 2.292 ug/l
RT: 7.01 min Scan# 889
Delta R.T. -0.07 min
Lab File: VY000135.D
Acq: 23 Sep 2019 16:57

Instrument :
MSVOA_Y
ClientSampleId :
SB-5

Tgt Ion: 43 Resp: 2295
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 10.0 15.0#

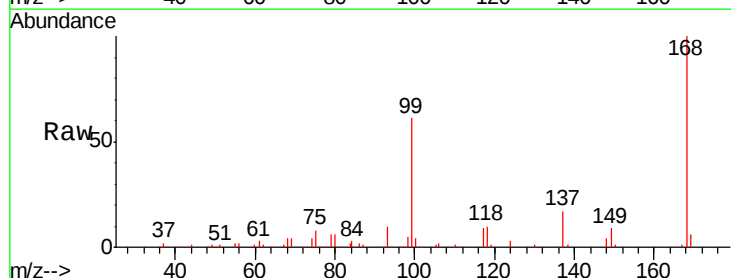


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

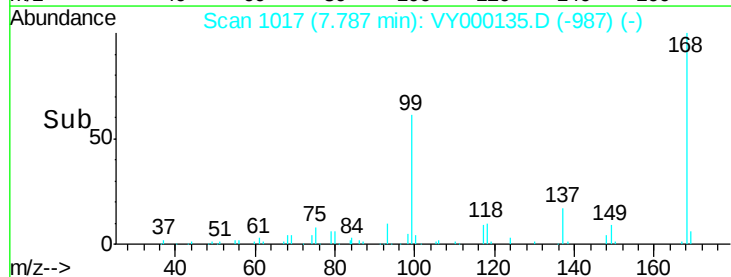
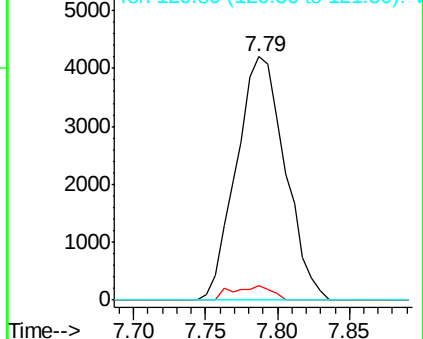


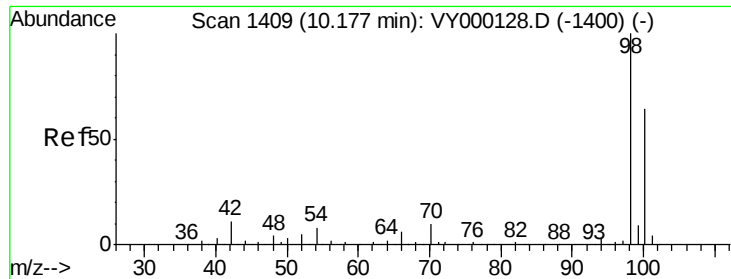
#38
Carbon Tetrachloride
Concen: 6.067 ug/l
RT: 7.79 min Scan# 1017
Delta R.T. -0.12 min
Lab File: VY000135.D
Acq: 23 Sep 2019 16:57

Tgt Ion: 117 Resp: 9874
Ion Ratio Lower Upper
117 100
119 5.9 72.6 108.8#
121 0.0 24.3 36.5#



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: 49.921 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000135.D

Acq: 23 Sep 2019 16:57

Instrument :

MSVOA_Y

ClientSampleId :

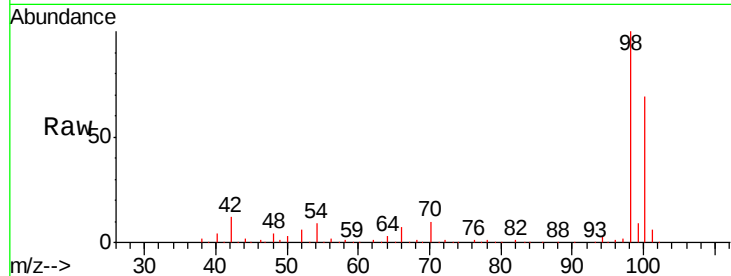
SB-5

Tgt Ion: 98 Resp: 236314

Ion Ratio Lower Upper

98 100

100 67.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

150000

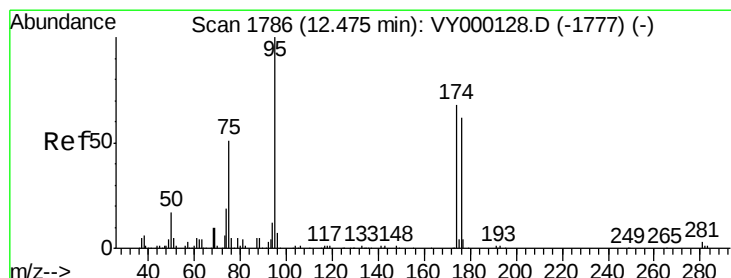
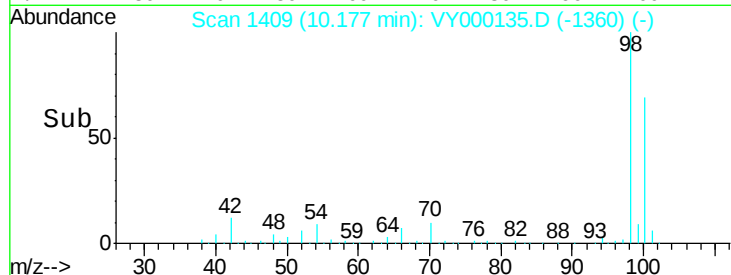
10.18

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.400 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000135.D

Acq: 23 Sep 2019 16:57

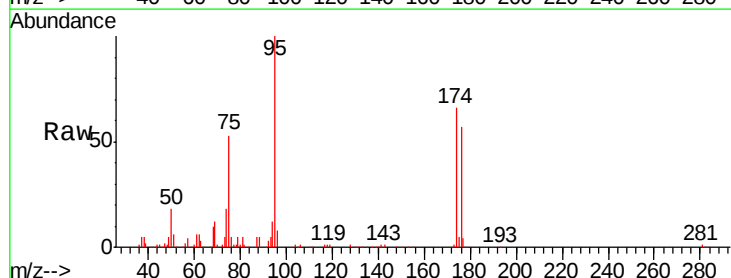
Tgt Ion: 95 Resp: 75558

Ion Ratio Lower Upper

95 100

174 70.5 0.0 140.8

176 65.2 0.0 135.0



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

60000

50000

40000

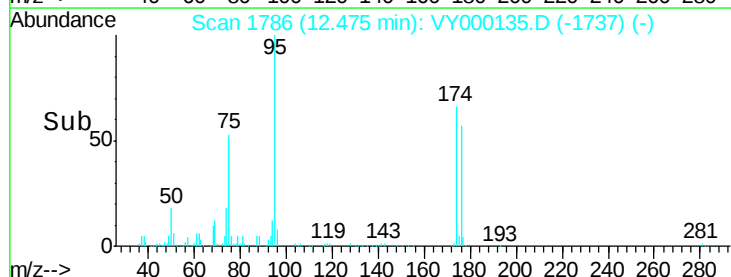
30000

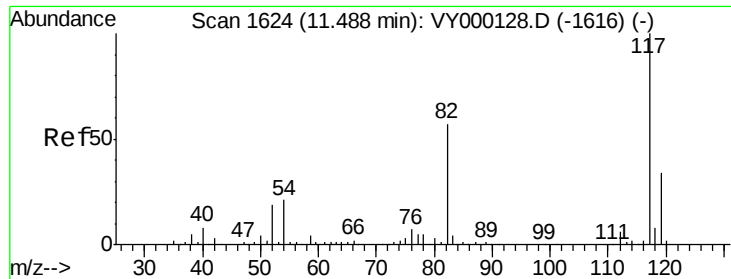
20000

10000

0

Time-->

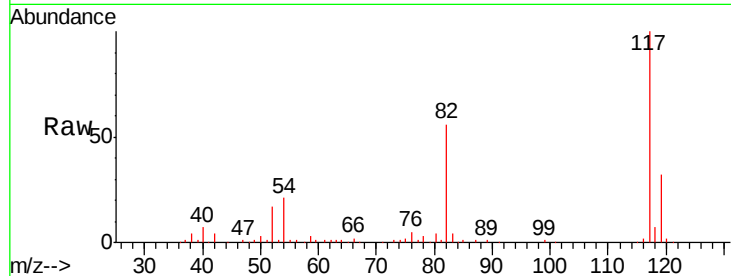




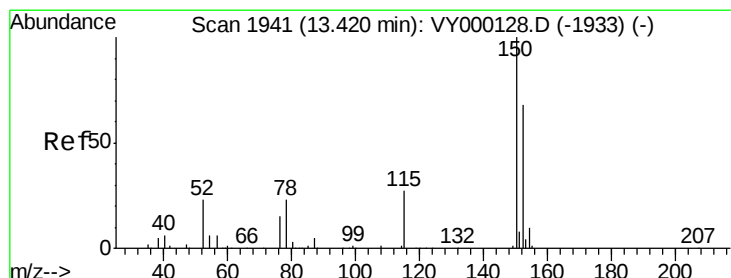
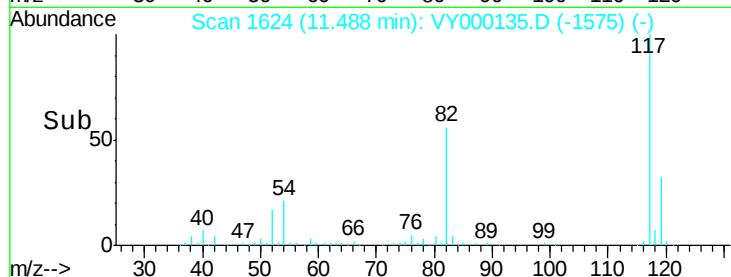
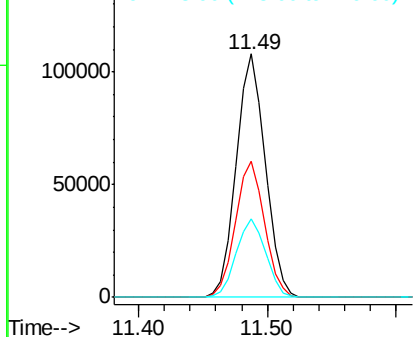
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000135.D
Acq: 23 Sep 2019 16:57

Instrument :
MSVOA_Y
ClientSampleId :
SB-5

Tgt Ion:117 Resp: 169306
Ion Ratio Lower Upper
117 100
82 56.1 45.5 68.3
119 32.1 27.3 40.9

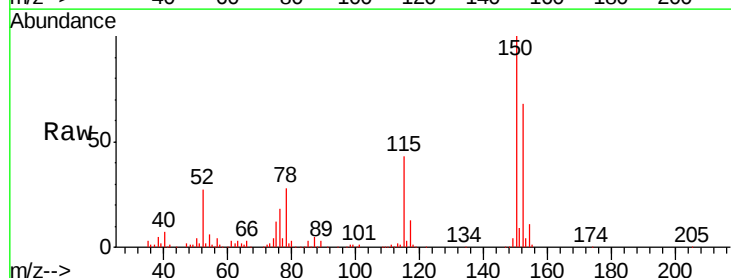


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

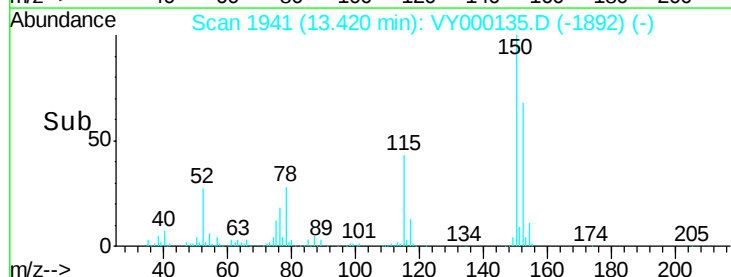
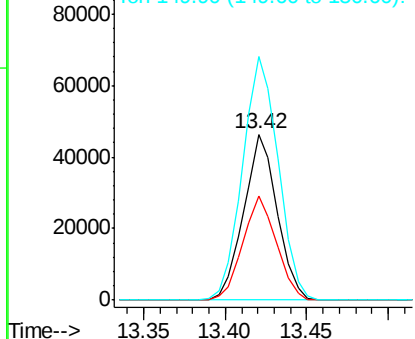


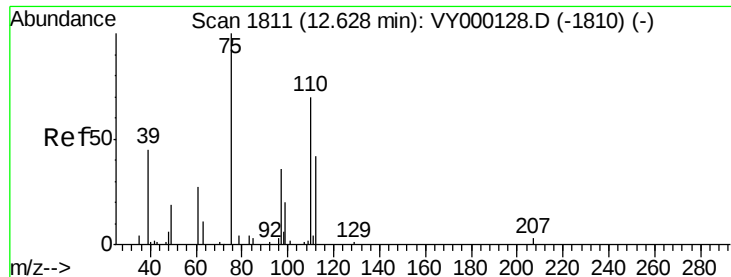
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000135.D
Acq: 23 Sep 2019 16:57

Tgt Ion:152 Resp: 66552
Ion Ratio Lower Upper
152 100
115 62.8 30.8 92.3
150 156.1 0.0 354.6



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





#76

1,2,3-Trichloropropane

Concen: 57.392 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.15 min

Lab File: VY000135.D

Acq: 23 Sep 2019 16:57

Instrument :

MSVOA_Y

ClientSampleId :

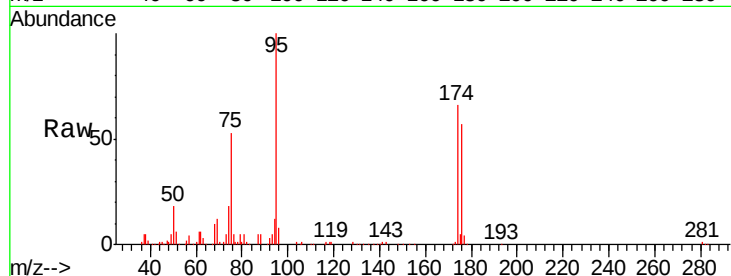
SB-5

Tgt Ion: 75 Resp: 40028

Ion Ratio Lower Upper

75 100

77 1.6 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

25000

20000

15000

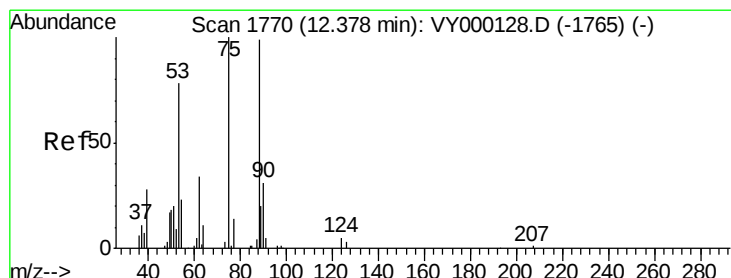
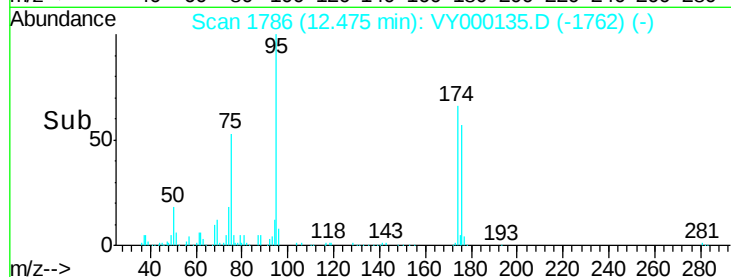
10000

5000

0

Time-->

12.40 12.45 12.50 12.55



#81

trans-1,4-Dichloro-2-butene

Concen: 94.337 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000135.D

Acq: 23 Sep 2019 16:57

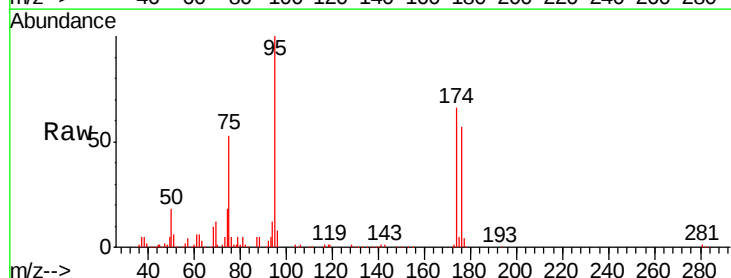
Tgt Ion: 75 Resp: 40028

Ion Ratio Lower Upper

75 100

53 0.0 62.5 93.7#

89 0.1 31.4 47.2#



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

12.48

30000

20000

10000

0

Time-->

12.40 12.45 12.50 12.55

