

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091819\
 Data File : VY000061.D
 Acq On : 18 Sep 2019 15:34
 Operator : SY/MD
 Sample : VY0918SBL02
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 19 04:15:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 13:28:51 2019
 Response via : Initial Calibration

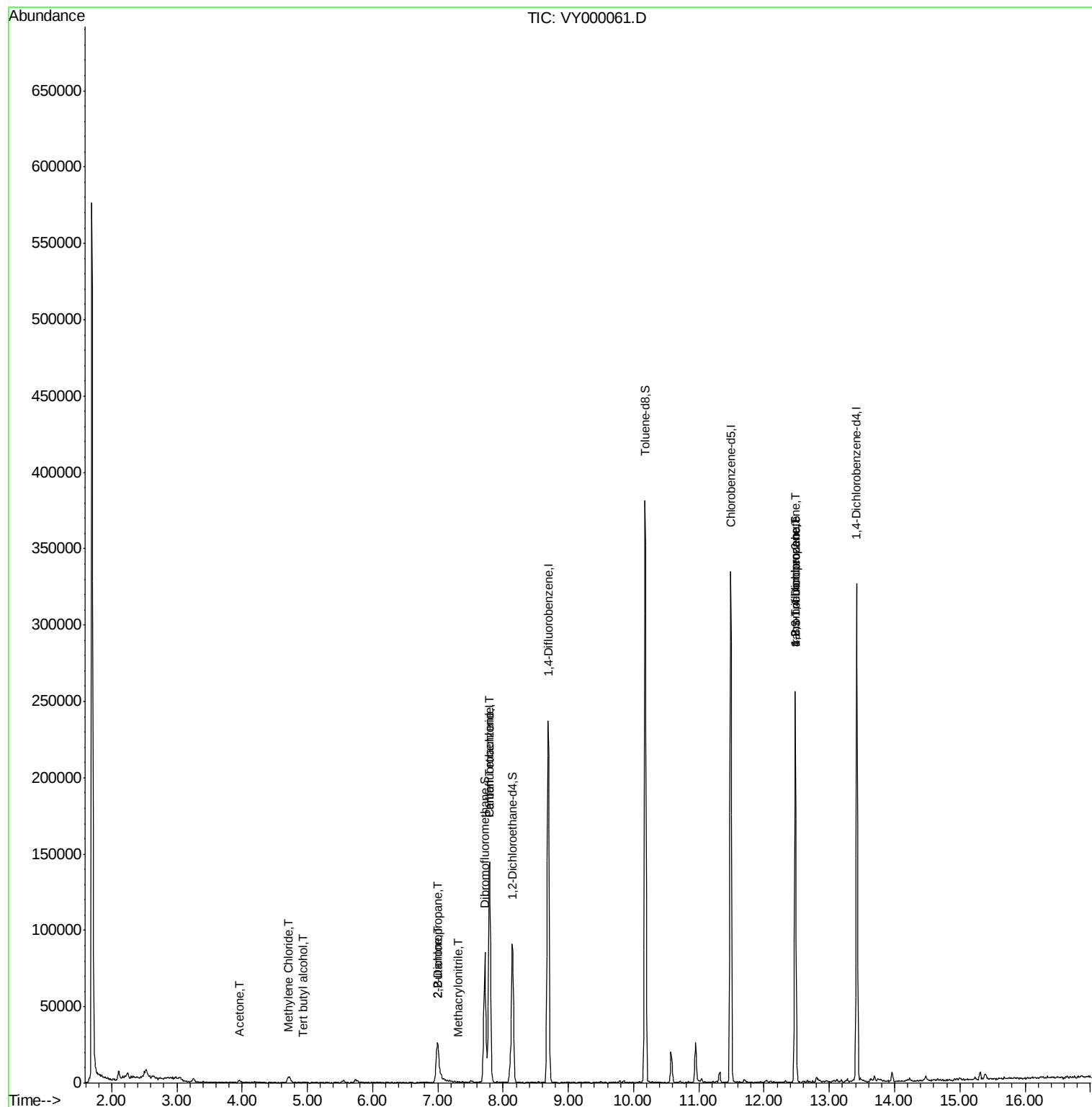
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	103476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	208674	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	179600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	72334	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	62453	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	7.72	113	61559	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
50) Toluene-d8	10.18	98	247462	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.48	95	88536	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.96	85	21	Below Cal	#	42
3) Chloromethane	2.11	50	4828	Below Cal		99
5) Bromomethane	2.67	94	33	Below Cal	#	79
11) Tert butyl alcohol	4.94	59	258	1.828	ug/l	96
13) Acrolein	3.77	56	56	Below Cal	#	13
16) Acetone	3.96	43	1843	6.649	ug/l #	61
17) Carbon Disulfide	4.21	76	50	Below Cal	#	77
20) Methylene Chloride	4.71	84	2798	2.146	ug/l #	88
25) 2-Butanone	6.99	43	789	1.572	ug/l #	74
26) 2,2-Dichloropropane	6.99	77	2362	1.213	ug/l #	50
31) Cyclohexane	7.79	56	2745	Below Cal	#	27
38) Carbon Tetrachloride	7.79	117	10888	7.394	ug/l #	18
41) Methacrylonitrile	7.31	41	42	4.356	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	43201	42.448	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	43201	81.639	ug/l #	19

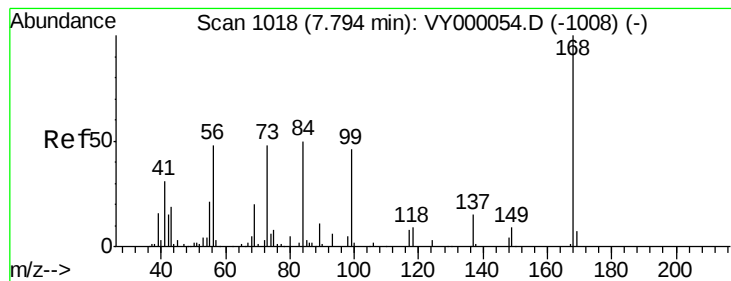
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000061.D

Acq: 18 Sep 2019 15:34

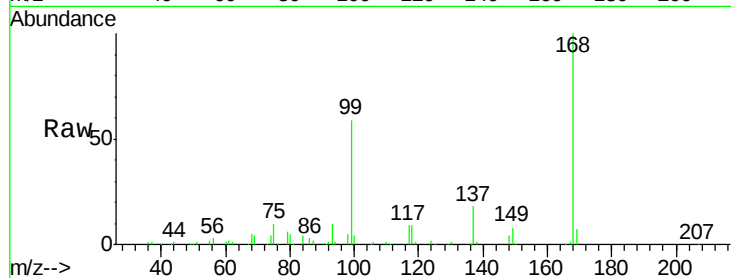
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 103476

Ion Ratio Lower Upper

168 100

99 59.3 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY000054.D (-1008) (-)

Ion 98.90 (98.60 to 99.60): VY000054.D (-1008) (-)

7.79

50000

40000

30000

20000

10000

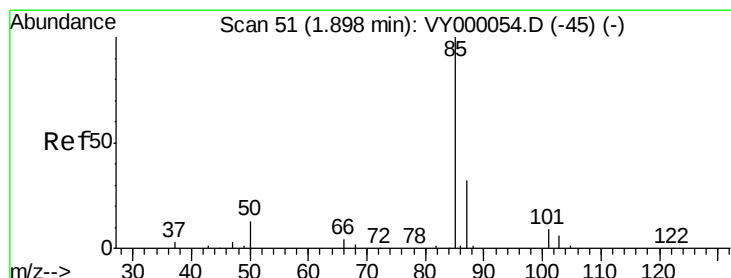
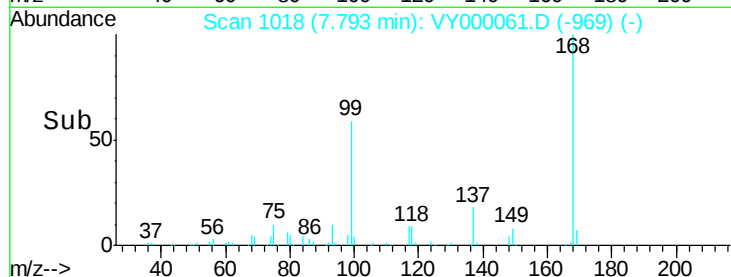
0

Time-->

7.70

7.80

7.90



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.96 min Scan# 62

Delta R.T. 0.07 min

Lab File: VY000061.D

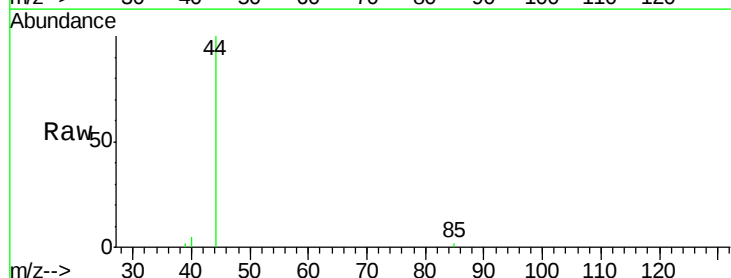
Acq: 18 Sep 2019 15:34

Tgt Ion: 85 Resp: 21

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VY000054.D (-45) (-)

Ion 86.90 (86.60 to 87.60): VY000054.D (-45) (-)

1.96

60

40

20

0

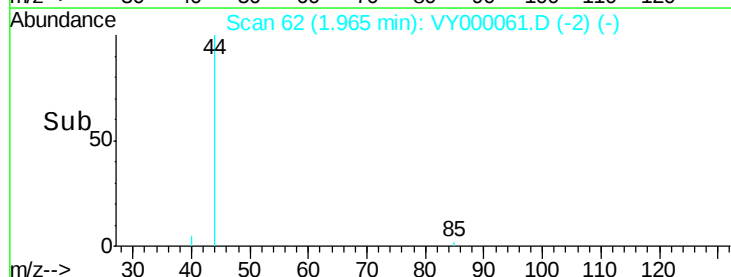
Time-->

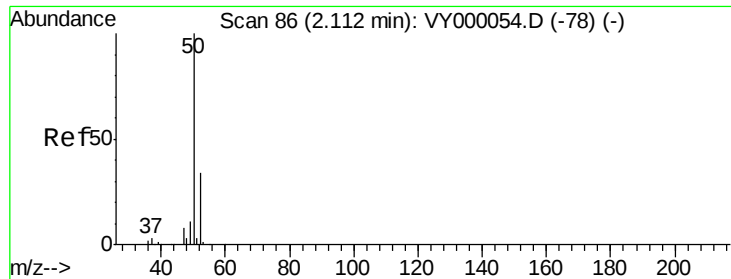
1.95

1.96

1.97

1.98





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000061.D

Acq: 18 Sep 2019 15:34

Instrument :

MSVOA_Y

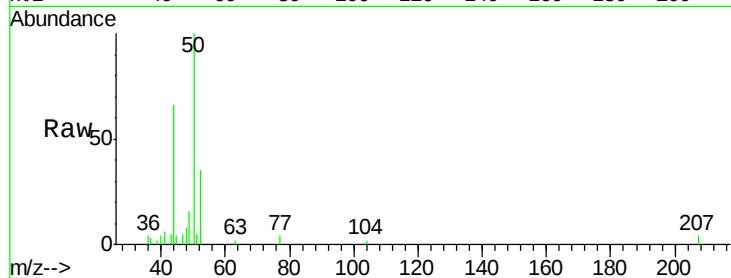
ClientSampleId :

Tot Ion: 50 Resp: 4828

Ion Ratio Lower Upper

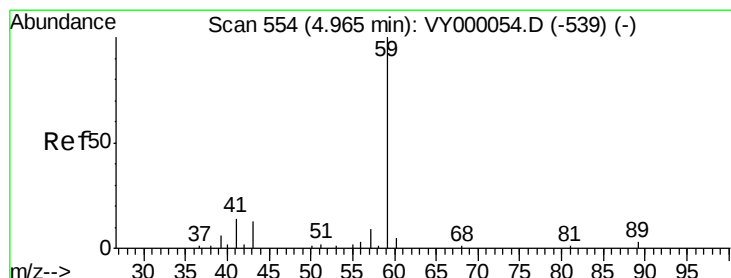
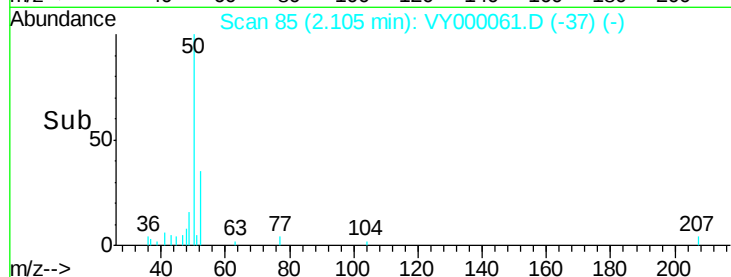
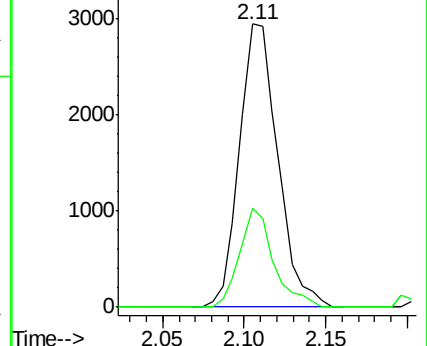
50 100

52 34.9 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#11

Tert butyl alcohol

Concen: 1.828 ug/l

RT: 4.94 min Scan# 550

Delta R.T. -0.02 min

Lab File: VY000061.D

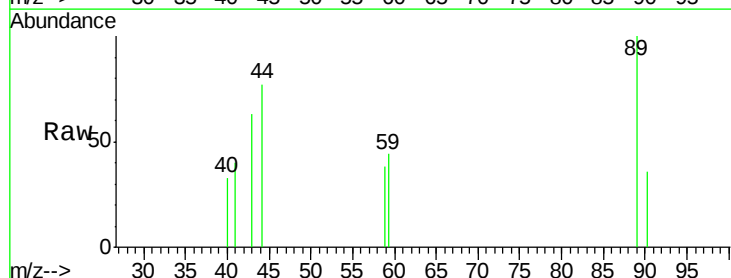
Acq: 18 Sep 2019 15:34

Tgt Ion: 59 Resp: 258

Ion Ratio Lower Upper

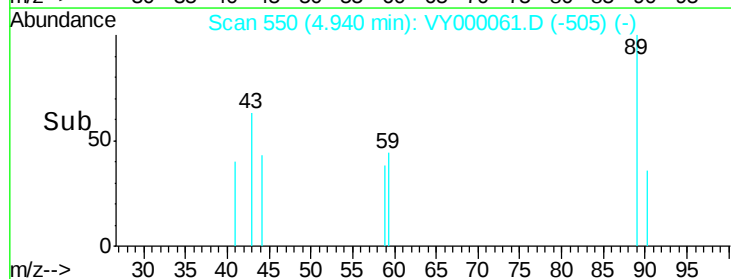
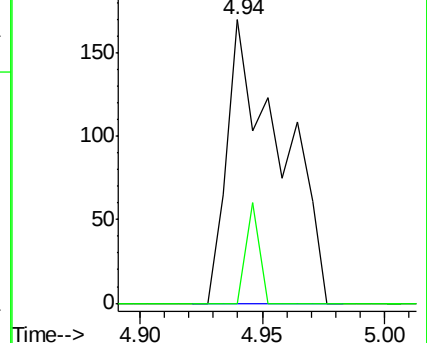
59 100

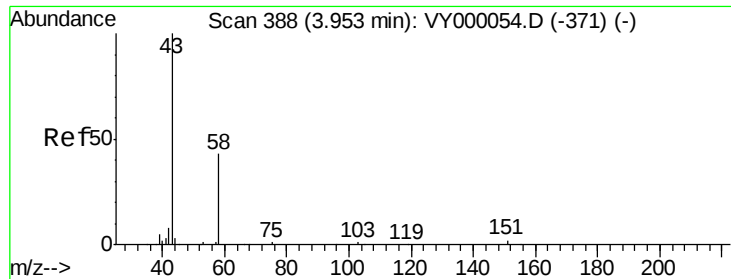
57 8.5 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 6.649 ug/l

RT: 3.96 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000061.D

Acq: 18 Sep 2019 15:34

Instrument :

MSVOA_Y

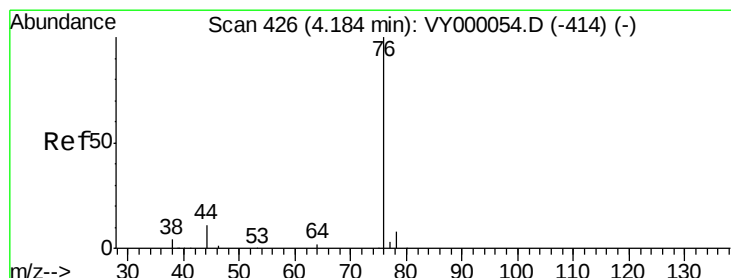
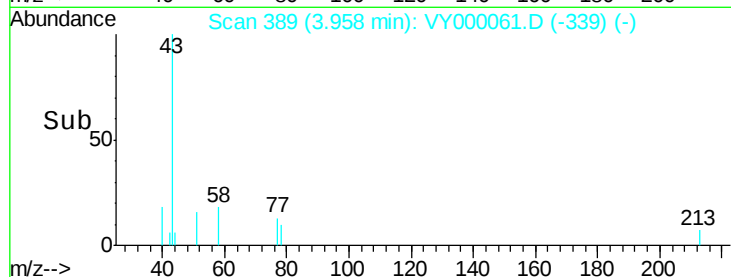
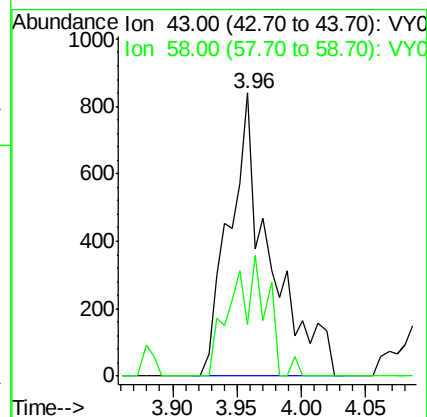
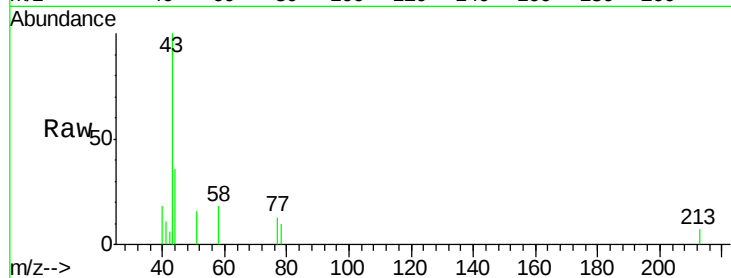
ClientSampled :

Tot Ion: 43 Resp: 1843

Ion Ratio Lower Upper

43 100

58 18.4 34.5 51.7#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.21 min Scan# 430

Delta R.T. 0.02 min

Lab File: VY000061.D

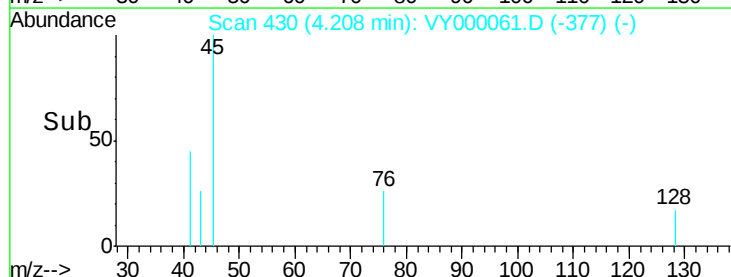
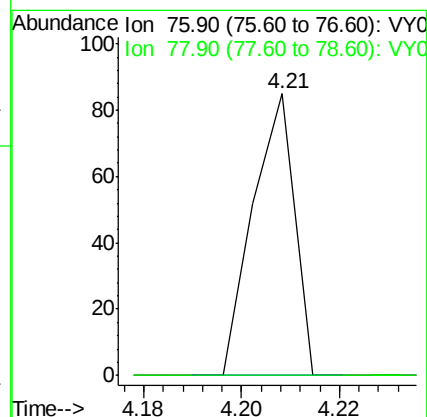
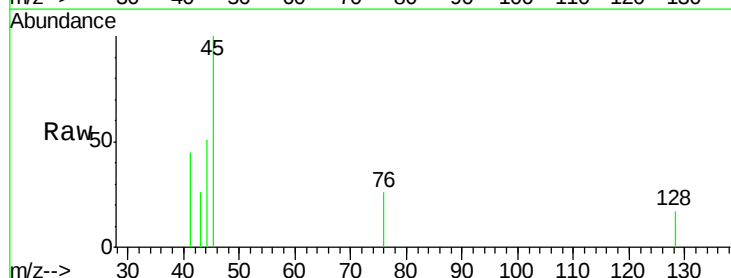
Acq: 18 Sep 2019 15:34

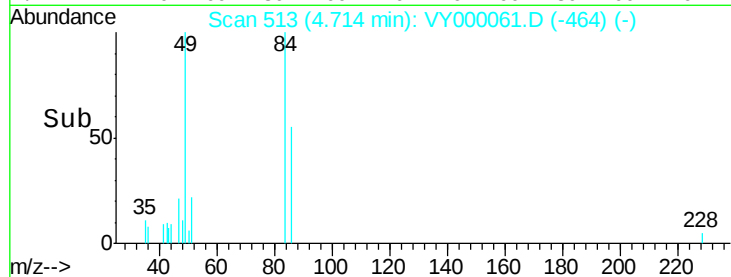
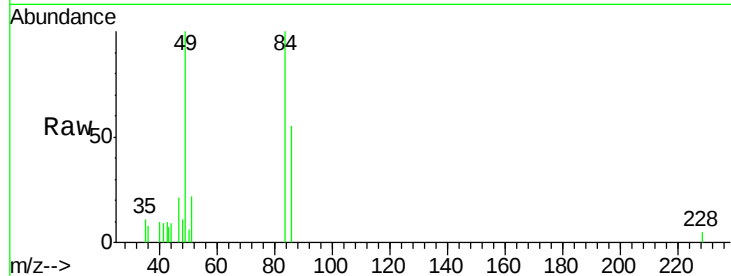
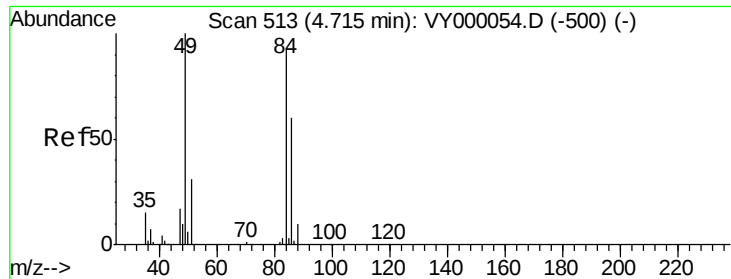
Tgt Ion: 76 Resp: 50

Ion Ratio Lower Upper

76 100

78 0.0 6.6 9.8#

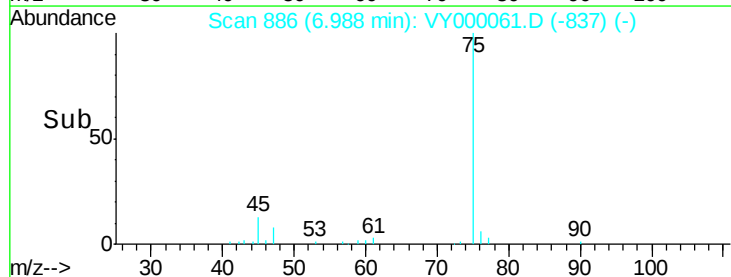
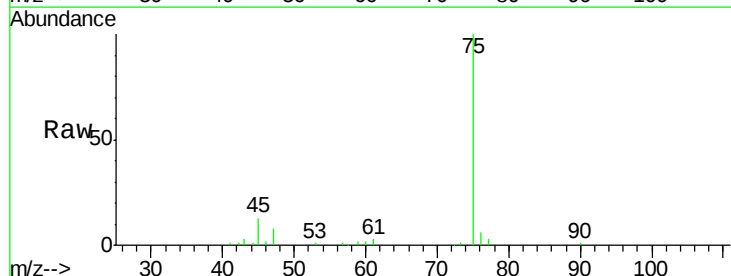
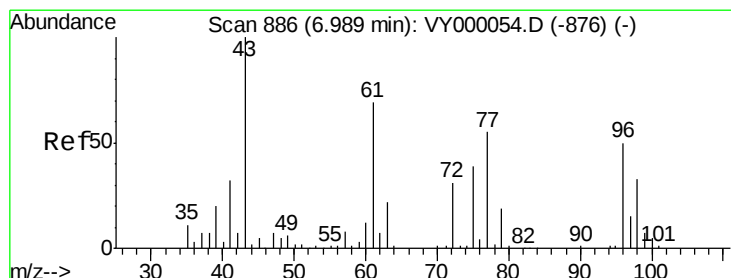
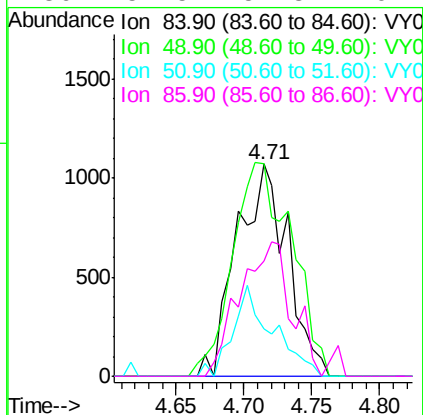




#20
Methvlene Chloride
Concen: 2.146 ug/l
RT: 4.71 min Scan# 513
Delta R.T. -0.00 min
Lab File: VY000061.D
Acq: 18 Sep 2019 15:34

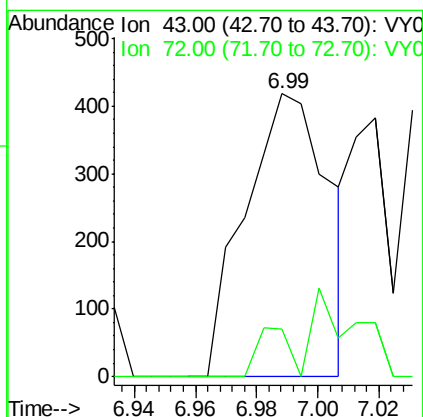
Instrument :
MSVOA_Y
ClientSampleId :

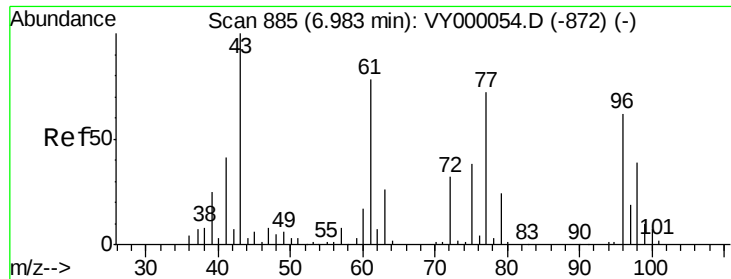
Tot Ion: 84 Resp: 2798
Ion Ratio Lower Upper
84 100
49 100.0 87.4 131.0
51 22.2 27.2 40.8#
86 54.5 52.8 79.2



#25
2-Butanone
Concen: 1.572 ug/l
RT: 6.99 min Scan# 886
Delta R.T. -0.00 min
Lab File: VY000061.D
Acq: 18 Sep 2019 15:34

Tgt Ion: 43 Resp: 789
Ion Ratio Lower Upper
43 100
72 16.7 24.7 37.1#





#26

2,2-Dichloropropane

Concen: 1.213 ug/l

RT: 6.99 min Scan# 887

Delta R.T. 0.01 min

Lab File: VY000061.D

Acq: 18 Sep 2019 15:34

Instrument :

MSVOA_Y

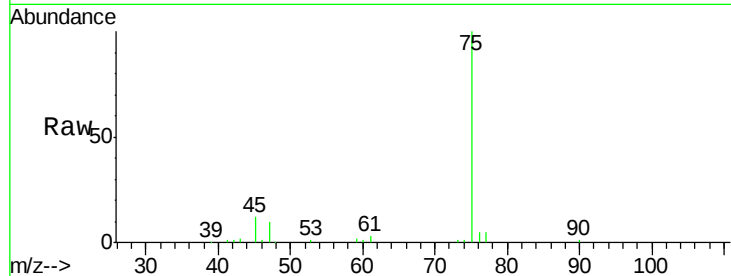
ClientSampled :

Tot Ion: 77 Resp: 2362

Ion Ratio Lower Upper

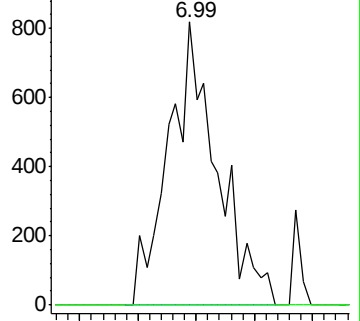
77 100

97 0.0 12.5 37.5#

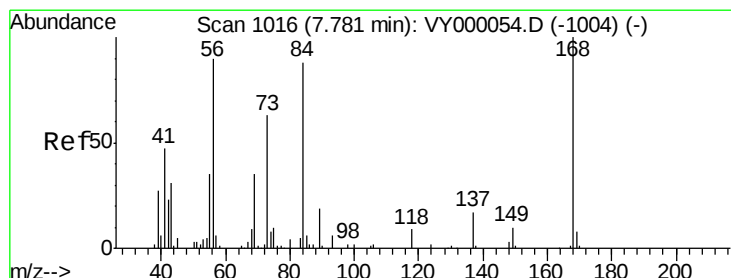
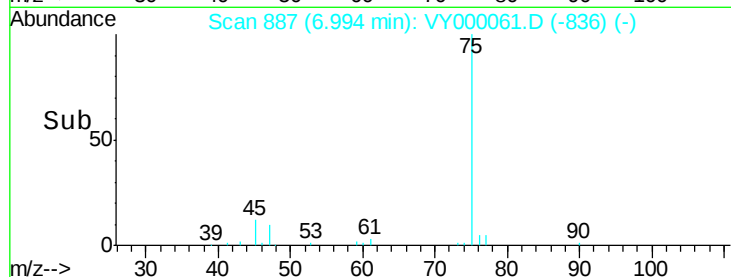


Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 7.79 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VY000061.D

Acq: 18 Sep 2019 15:34

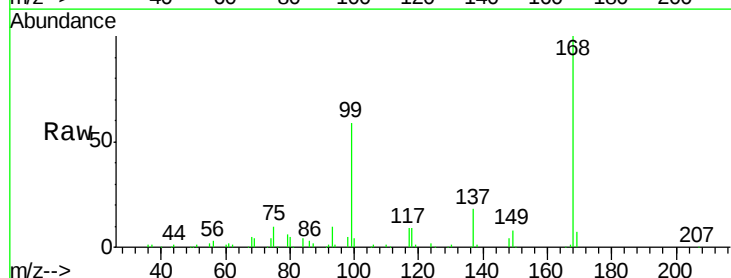
Tgt Ion: 56 Resp: 2745

Ion Ratio Lower Upper

56 100

69 146.0 30.9 46.3#

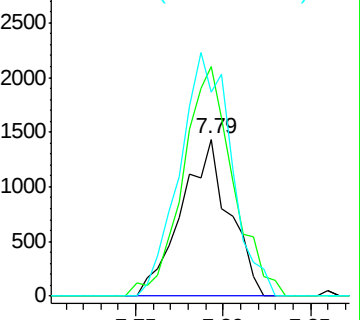
84 129.8 78.5 117.7#



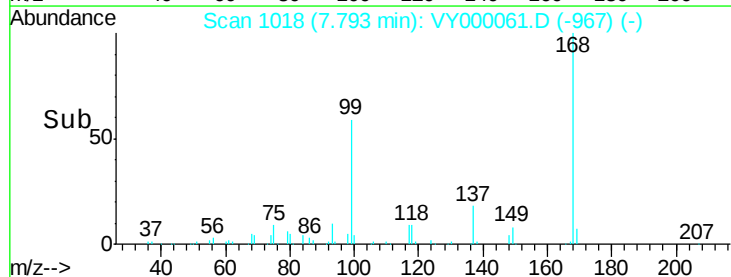
Abundance Ion 56.00 (55.70 to 56.70): VY0

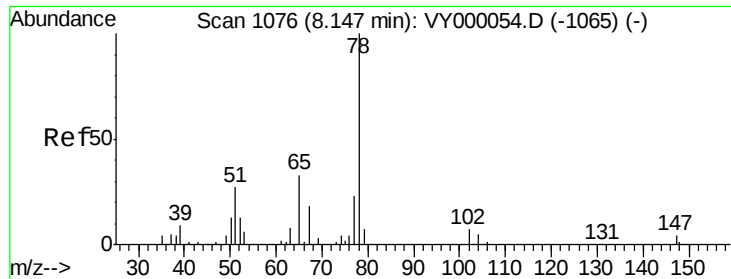
Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.459 ug/l

RT: 8.15 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY000061.D

Acq: 18 Sep 2019 15:34

Instrument :

MSVOA_Y

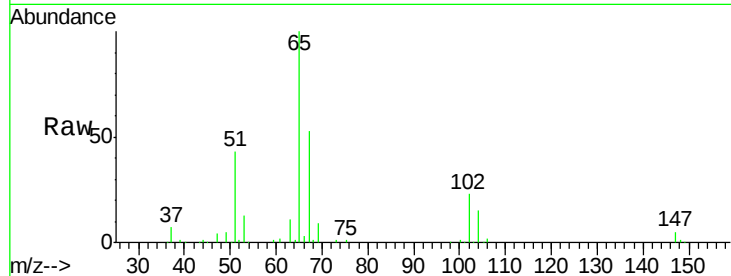
ClientSampleId :

Tot Ion: 65 Resp: 62453

Ion Ratio Lower Upper

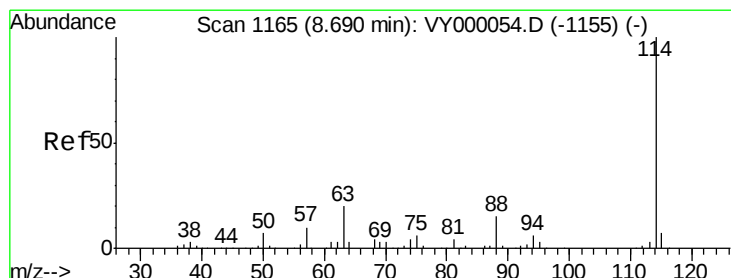
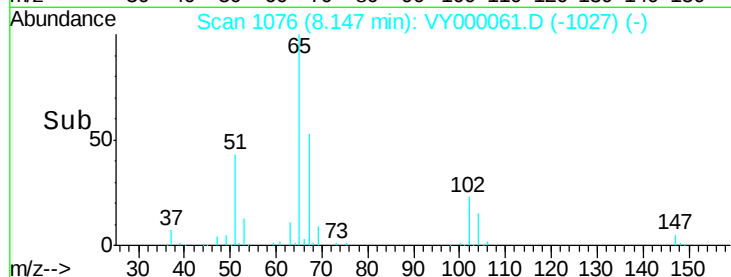
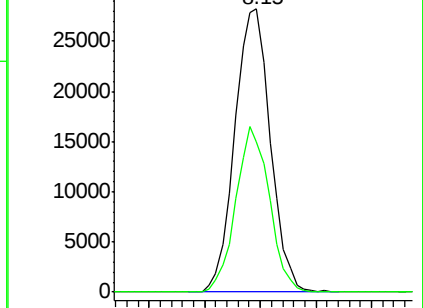
65 100

67 55.3 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY000054.D (-1065) (-)

Ion 66.90 (66.60 to 67.60): VY000054.D (-1065) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000061.D

Acq: 18 Sep 2019 15:34

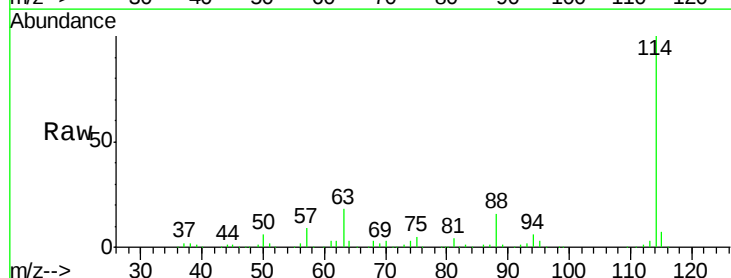
Tgt Ion: 114 Resp: 208674

Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.4

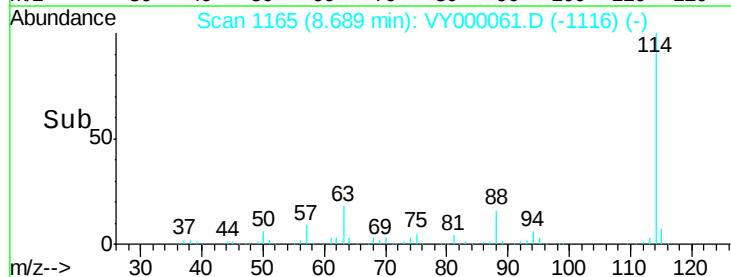
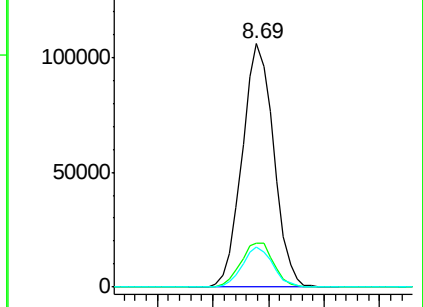
88 16.4 0.0 30.2

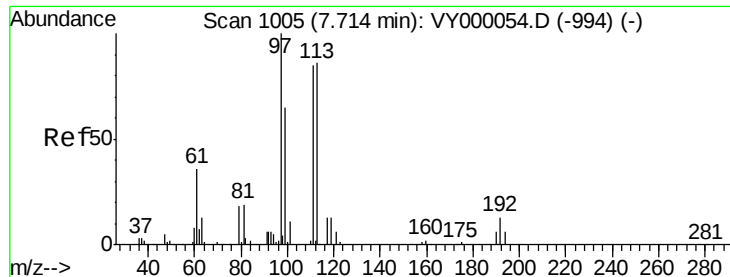


Abundance Ion 113.90 (113.60 to 114.60): VY000054.D (-1155) (-)

Ion 63.00 (62.70 to 63.70): VY000054.D (-1155) (-)

Ion 87.90 (87.60 to 88.60): VY000054.D (-1155) (-)

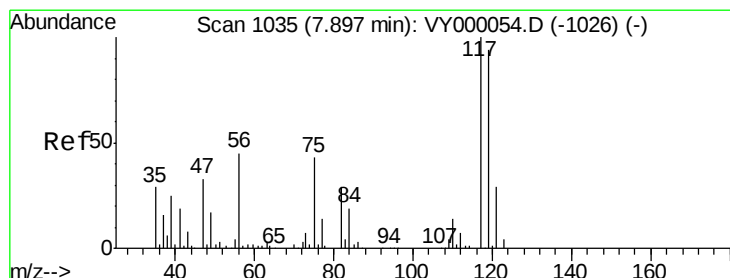
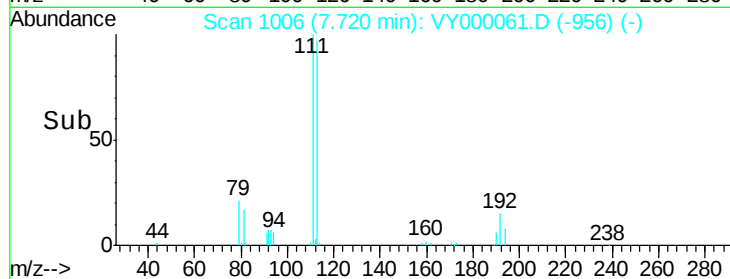
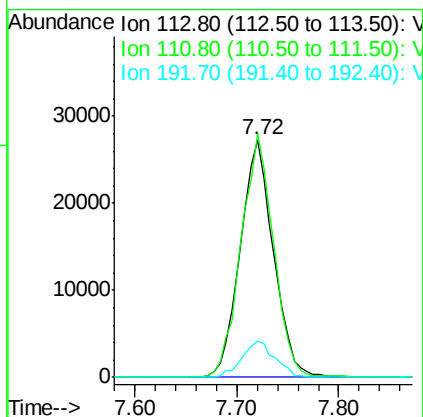
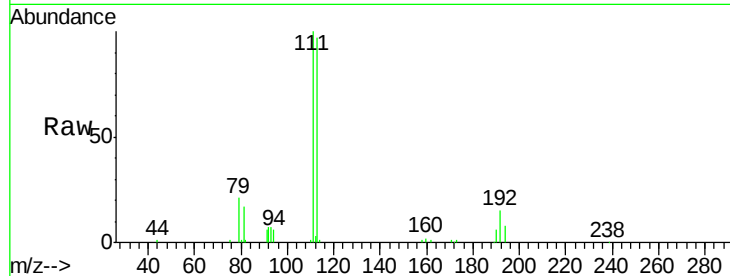




#35
Dibromofluoromethane
Concen: 48.722 ug/l
RT: 7.72 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VY000061.D
Acq: 18 Sep 2019 15:34

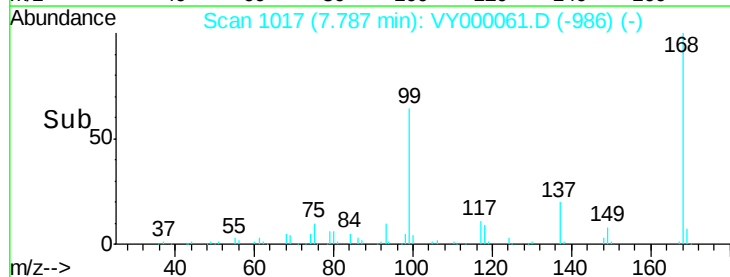
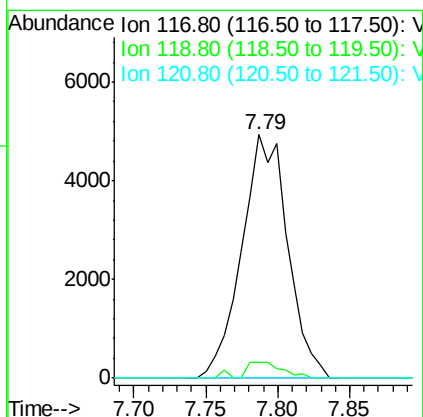
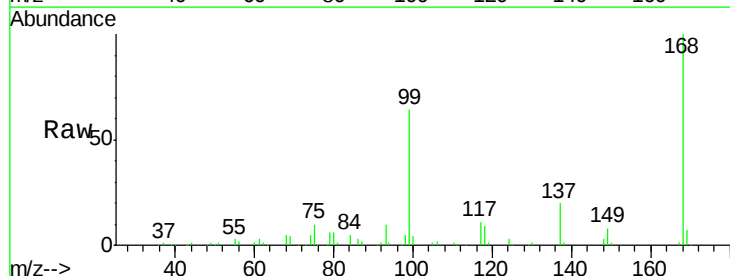
Instrument :
MSVOA_Y
ClientSampleId :

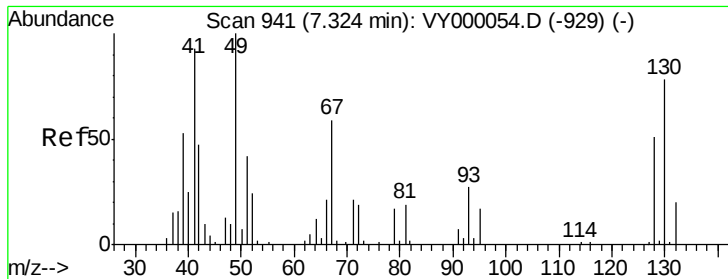
Tot Ion:113 Resp: 61559
Ion Ratio Lower Upper
113 100
111 100.7 81.7 122.5
192 15.3 13.4 20.2



#38
Carbon Tetrachloride
Concen: 7.394 ug/l
RT: 7.79 min Scan# 1017
Delta R.T. -0.11 min
Lab File: VY000061.D
Acq: 18 Sep 2019 15:34

Tgt Ion:117 Resp: 10888
Ion Ratio Lower Upper
117 100
119 6.3 75.0 112.6#
121 0.0 22.8 34.2#

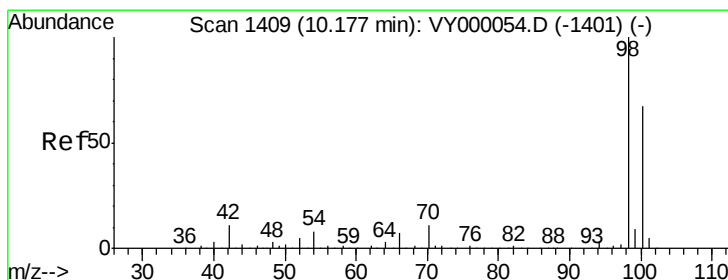
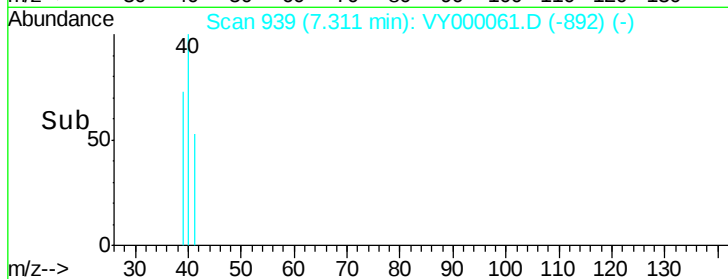
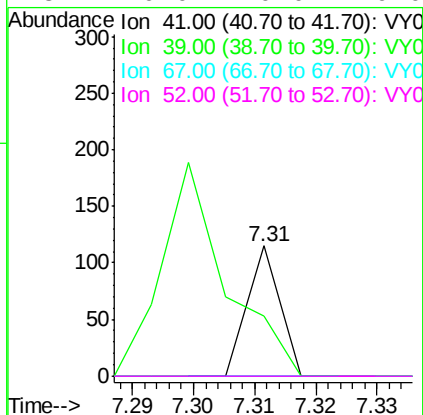
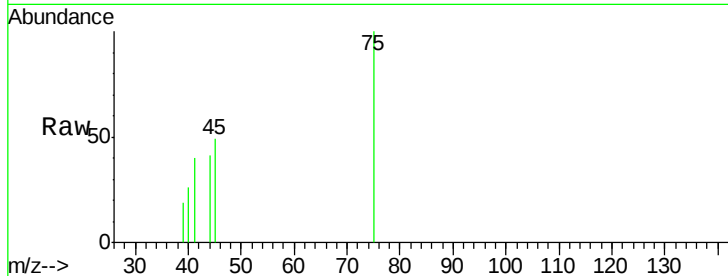




#41
Methacrylonitrile
Concen: 4.356 ug/l
RT: 7.31 min Scan# 939
Delta R.T. -0.01 min
Lab File: VY000061.D
Acq: 18 Sep 2019 15:34

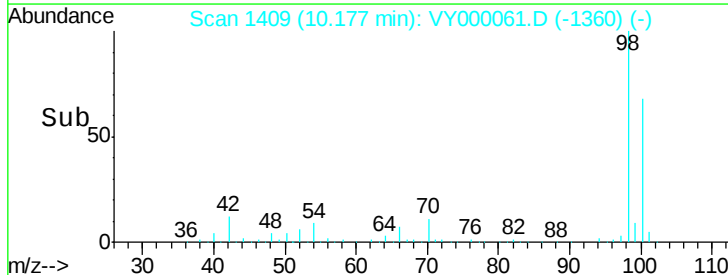
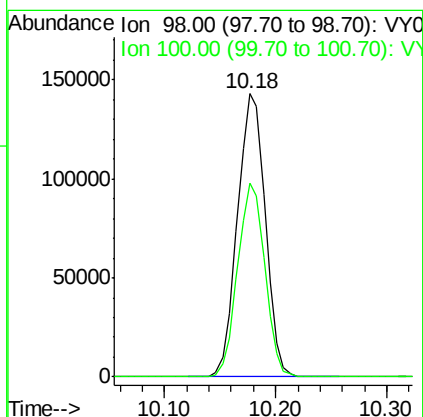
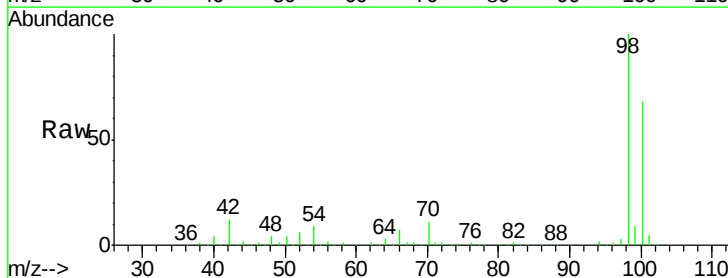
Instrument :
MSVOA_Y
ClientSampleId :

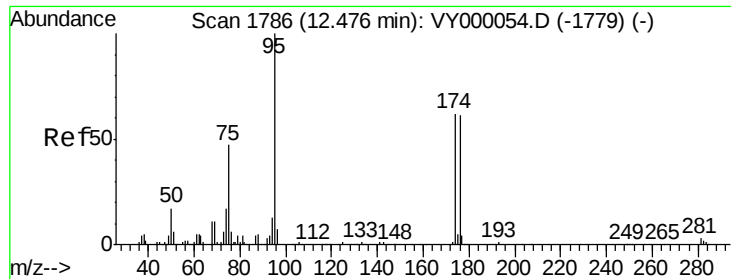
Tot Ion:	41	Resp:	42
Ion	Ratio	Lower	Upper
41	100		
39	326.2	91.8	137.6#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#50
Toluene-d8
Concen: 49.866 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000061.D
Acq: 18 Sep 2019 15:34

Tgt Ion:	98	Resp:	247462
Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.1	79.7

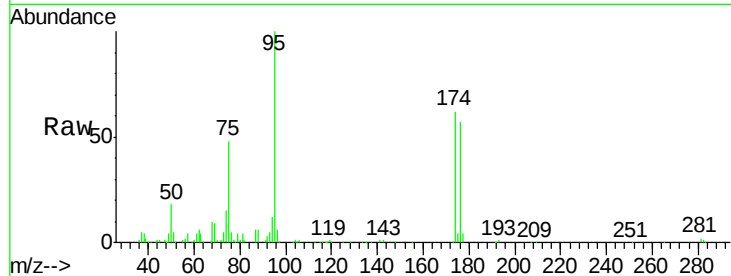




#62
4-Bromofluorobenzene
Concen: 48.053 ug/l
RT: 12.48 min Scan# 1786
Delta R.T. -0.00 min
Lab File: VY000061.D
Acq: 18 Sep 2019 15:34

Instrument :
MSVOA_Y
ClientSampled :

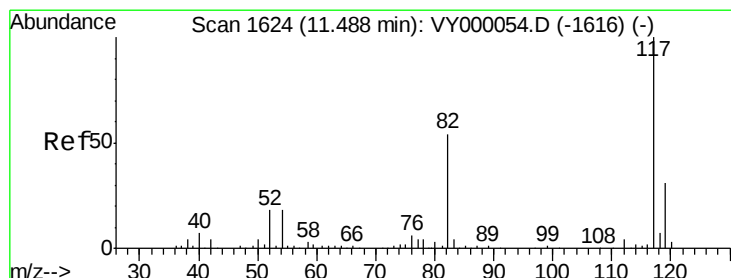
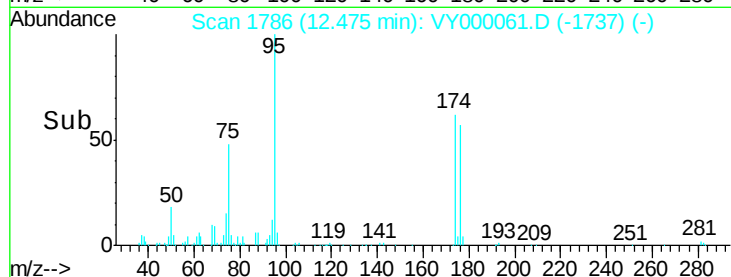
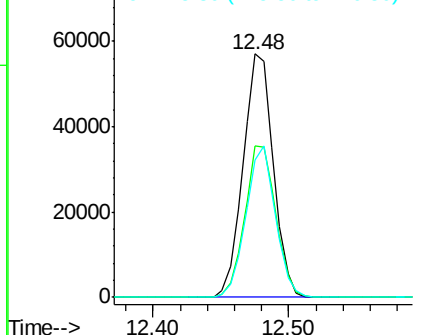
Tot Ion	95	Resp	88536
Ion Ratio	Lower	Upper	
95	100		
174	64.1	0.0	137.2
176	60.6	0.0	135.0



Abundance Ion 94.90 (94.60 to 95.60): VY000054.D (-1779) (-)

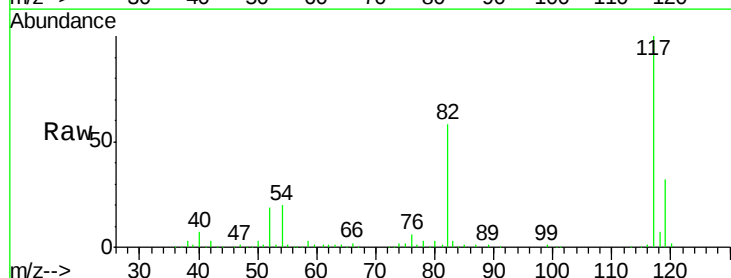
Ion 173.80 (173.50 to 174.50): VY000054.D (-1779) (-)

Ion 175.80 (175.50 to 176.50): VY000054.D (-1779) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000061.D
Acq: 18 Sep 2019 15:34

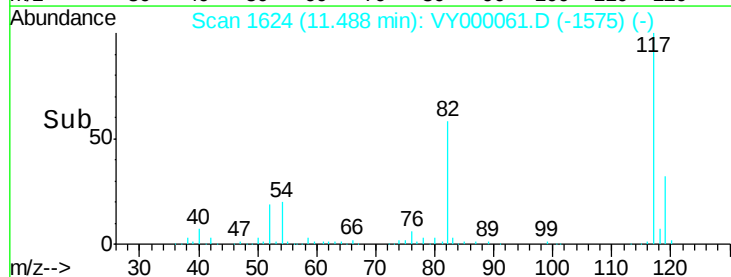
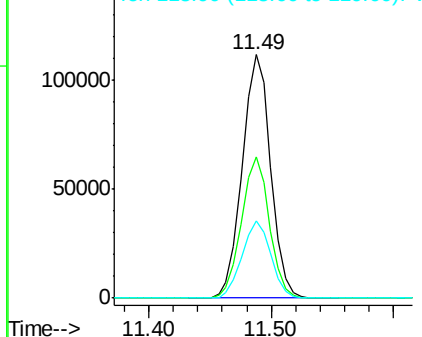
Tgt Ion	117	Resp	179600
Ion Ratio	Lower	Upper	
117	100		
82	57.8	43.5	65.3
119	31.6	24.6	36.8

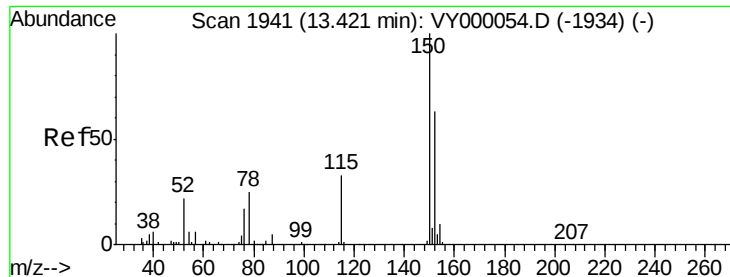


Abundance Ion 116.90 (116.60 to 117.60): VY000054.D (-1616) (-)

Ion 82.00 (81.70 to 82.70): VY000054.D (-1616) (-)

Ion 118.90 (118.60 to 119.60): VY000054.D (-1616) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VY000061.D

Acq: 18 Sep 2019 15:34

Instrument :

MSVOA_Y

ClientSampleId :

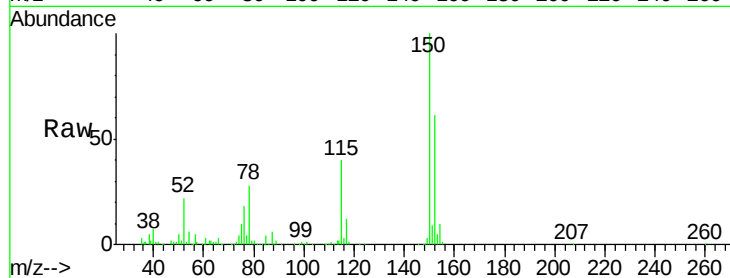
Tot Ion:152 Resp: 72334

Ion Ratio Lower Upper

152 100

115 65.6 30.7 92.1

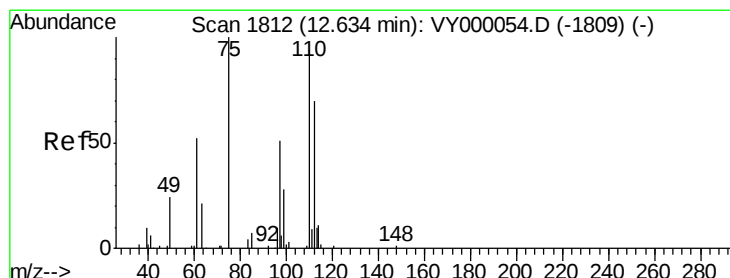
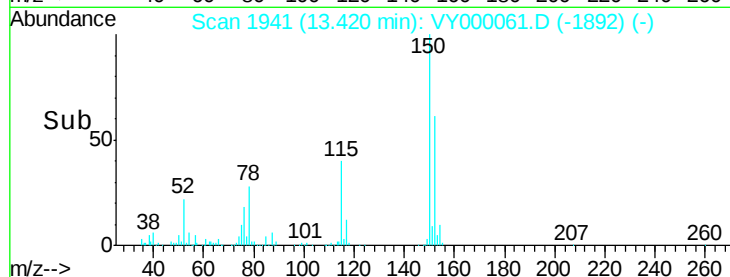
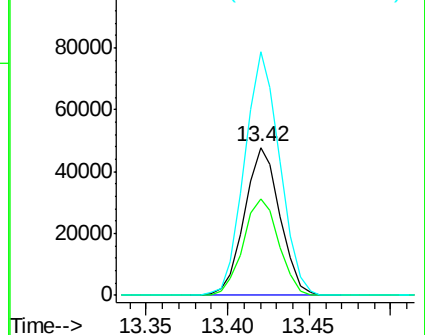
150 163.2 0.0 351.6



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: 42.448 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.16 min

Lab File: VY000061.D

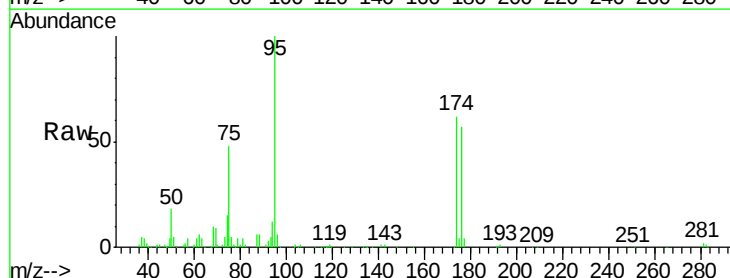
Acq: 18 Sep 2019 15:34

Tgt Ion: 75 Resp: 43201

Ion Ratio Lower Upper

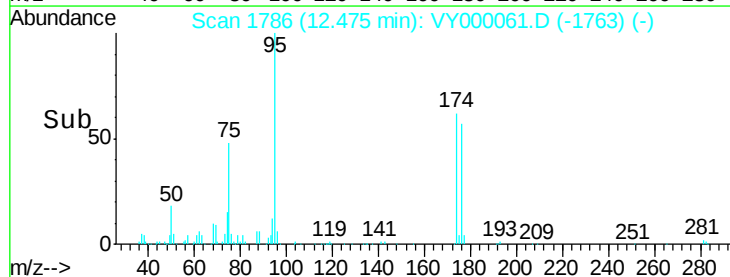
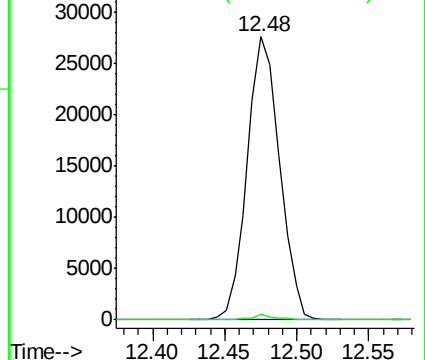
75 100

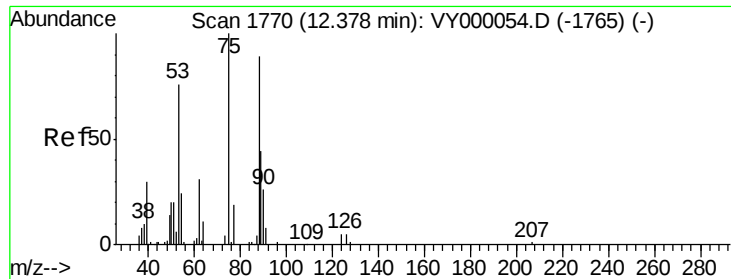
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 81.639 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000061.D

Acq: 18 Sep 2019 15:34

Instrument :

MSVOA_Y

ClientSampleId :

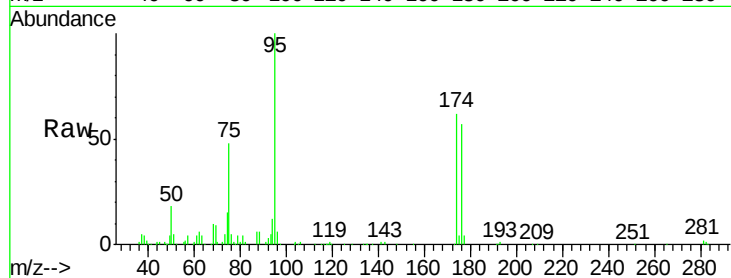
Tot Ion: 75 Resp: 43201

Ion Ratio Lower Upper

75 100

53 0.0 60.9 91.3#

89 0.1 35.3 52.9#



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

