

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
 Data File : VY000107.D
 Acq On : 20 Sep 2019 14:49
 Operator : SY/MD
 Sample : K4863-02RE
 Misc : 2.52g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:47:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 05:38:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	88610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	187438	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	142878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	40934	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	59906	58.76	ug/l	0.00
Spiked Amount						
			Recovery	=	117.52%	
35) Dibromofluoromethane	7.72	113	54774	48.26	ug/l	0.00
Spiked Amount						
			Recovery	=	96.52%	
50) Toluene-d8	10.18	98	215472	48.34	ug/l	0.00
Spiked Amount						
			Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.48	95	58730	35.49	ug/l	0.00
Spiked Amount						
			Recovery	=	70.98%	

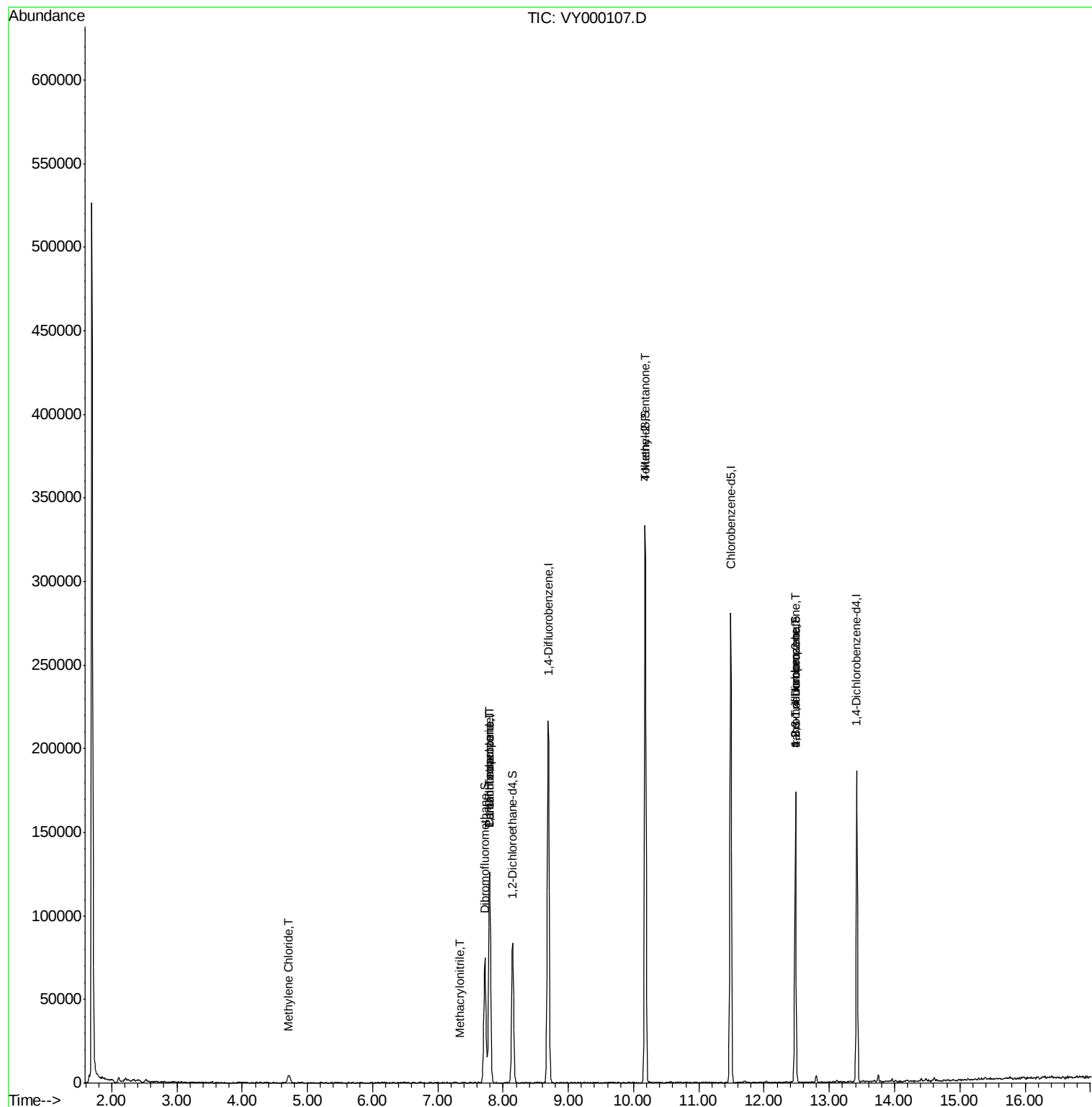
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.10	85	41	Below Cal	#	42
3) Chloromethane	2.11	50	2676	Below Cal	#	80
13) Acrolein	3.50	56	28	Below Cal	#	13
20) Methylene Chloride	4.70	84	1410	1.263	ug/l #	85
31) Cyclohexane	7.79	56	2539	Below Cal	#	56
36) 1,1-Dichloropropene	7.79	75	8880	6.336	ug/l #	47
38) Carbon Tetrachloride	7.79	117	10238	7.740	ug/l #	15
41) Methacrylonitrile	7.34	41	106	4.442	ug/l #	1
51) 4-Methyl-2-Pentanone	10.18	43	1270	1.273	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	29576	51.353	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	29576	98.764	ug/l #	19

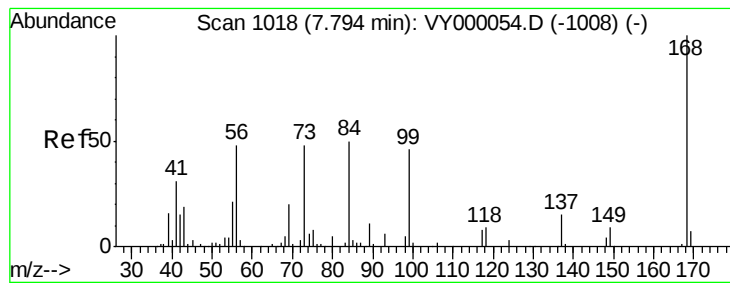
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000107.D

Acq: 20 Sep 2019 14:49

Instrument :

MSVOA_Y

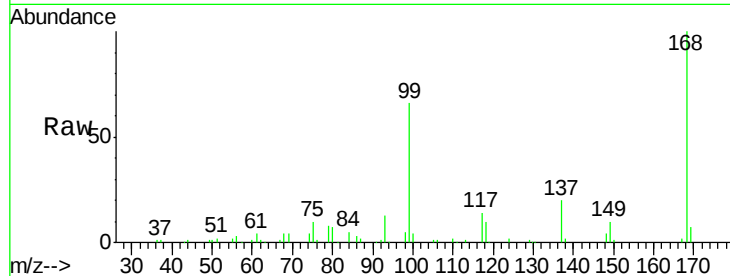
ClientSampleId :

Tot Ion:168 Resp: 88610

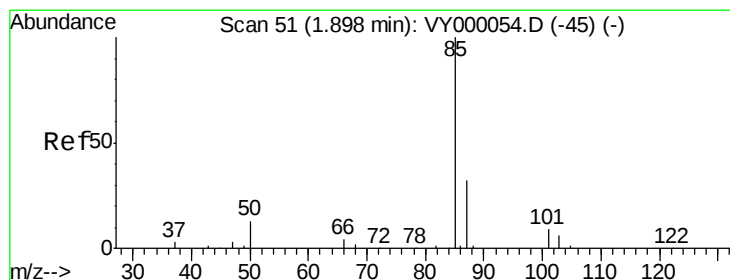
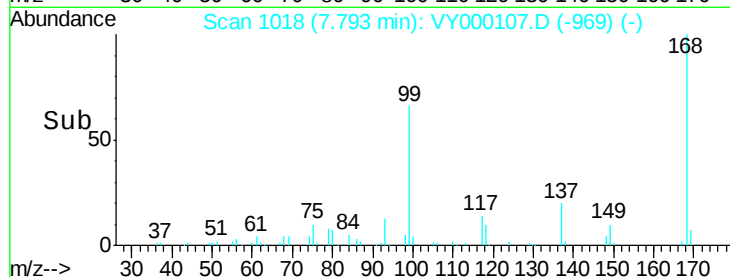
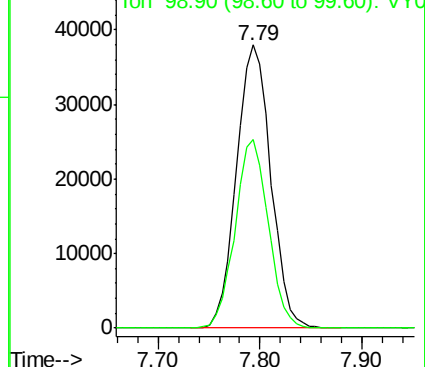
Ion Ratio Lower Upper

168 100

99 66.5 44.2 66.2#



Abundance Ion 167.90 (167.60 to 168.60): VY000107.D (-969) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.10 min Scan# 84

Delta R.T. 0.20 min

Lab File: VY000107.D

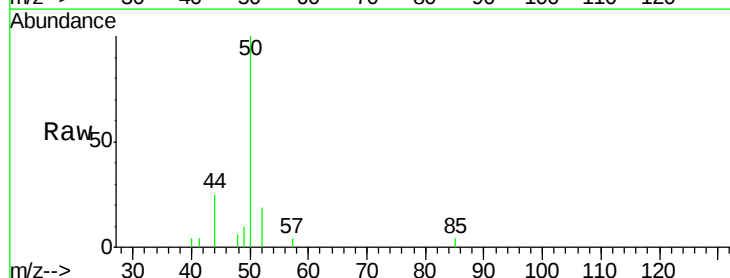
Acq: 20 Sep 2019 14:49

Tgt Ion: 85 Resp: 41

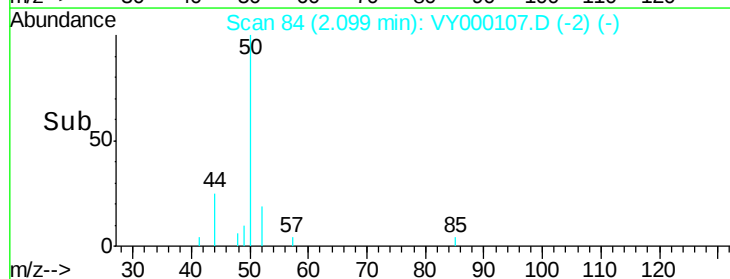
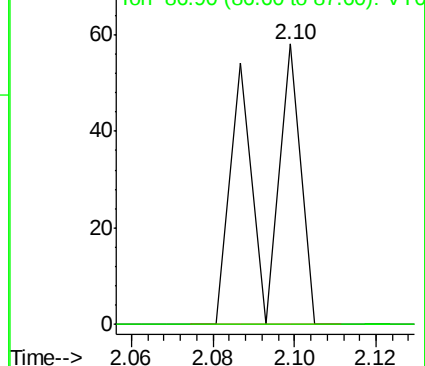
Ion Ratio Lower Upper

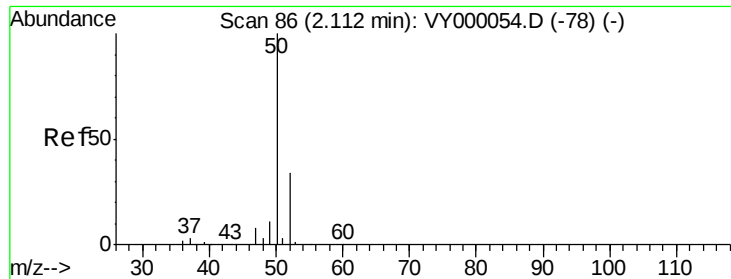
85 100

87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VY000107.D (-2) (-)





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000107.D

Acq: 20 Sep 2019 14:49

Instrument :

MSVOA_Y

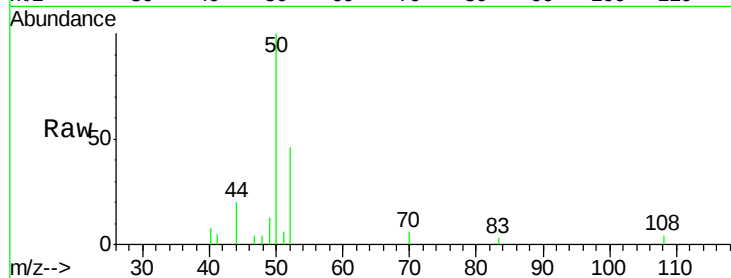
ClientSampleId :

Tot Ion: 50 Resp: 2676

Ion Ratio Lower Upper

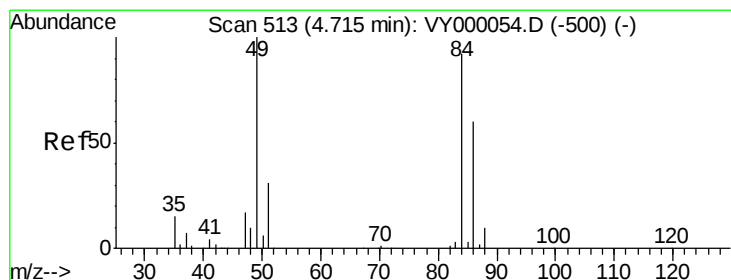
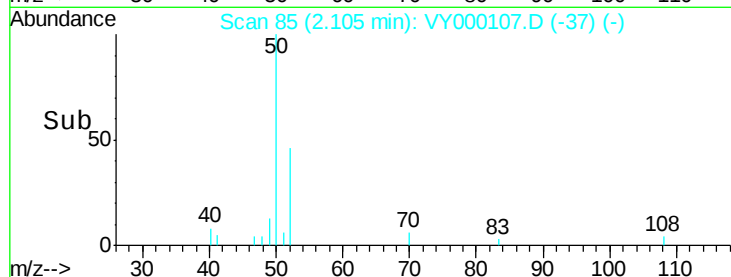
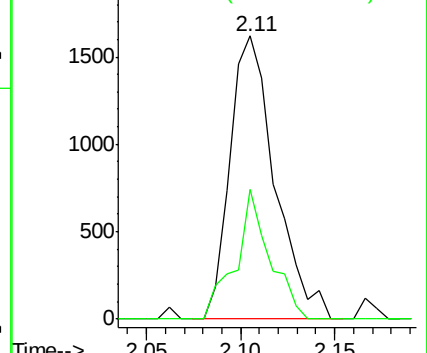
50 100

52 45.8 27.3 40.9#



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#20

Methylene Chloride

Concen: 1.263 ug/l

RT: 4.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VY000107.D

Acq: 20 Sep 2019 14:49

Tgt Ion: 84 Resp: 1410

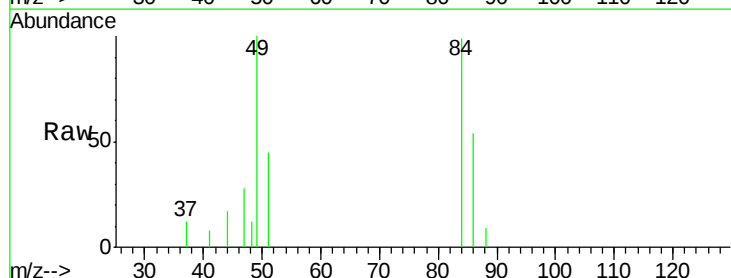
Ion Ratio Lower Upper

84 100

49 94.1 87.4 131.0

51 45.3 27.2 40.8#

86 54.4 52.8 79.2

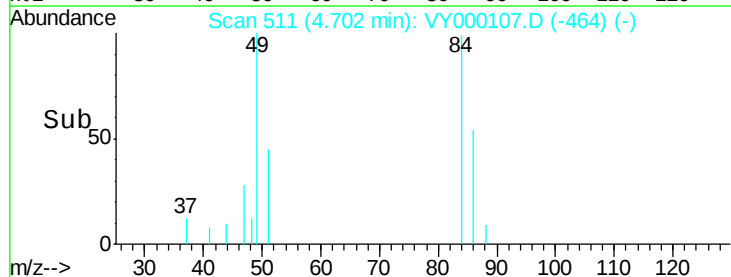
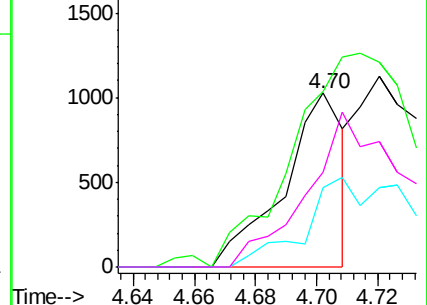


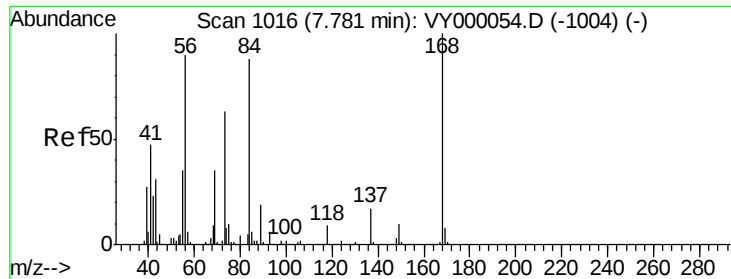
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#31

Cyclohexane

Concen: Below Cal

RT: 7.79 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VY000107.D

Acq: 20 Sep 2019 14:49

Instrument :

MSVOA_Y

ClientSampled :

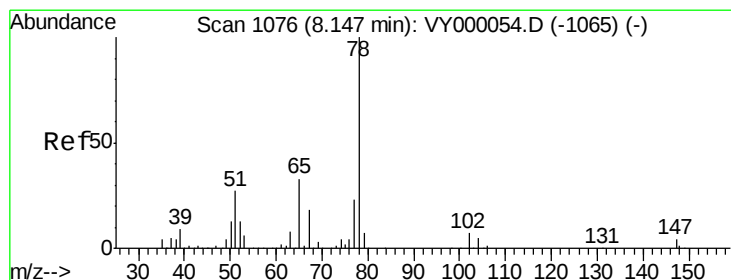
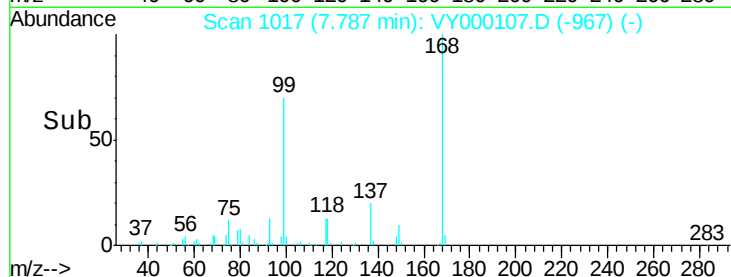
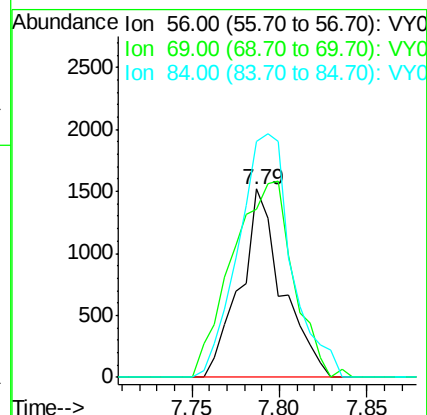
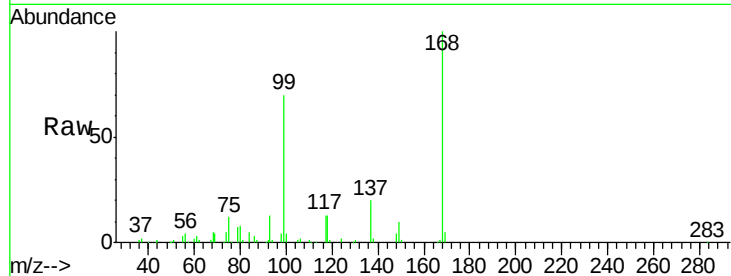
Tot Ion: 56 Resp: 2539

Ion Ratio Lower Upper

56 100

69 89.2 30.9 46.3#

84 125.8 78.5 117.7#



#33

1,2-Dichloroethane-d4

Concen: 58.762 ug/l

RT: 8.15 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY000107.D

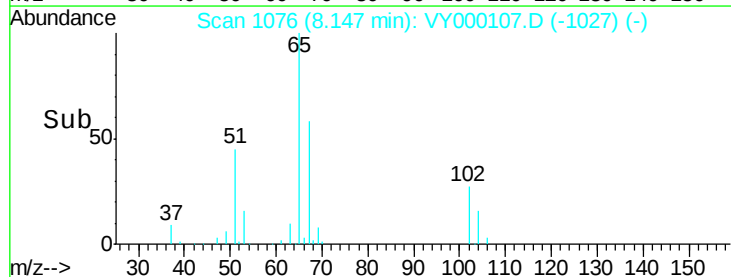
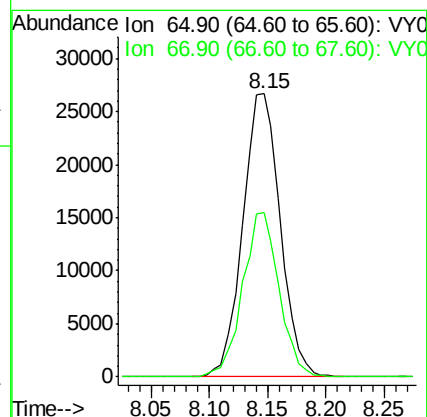
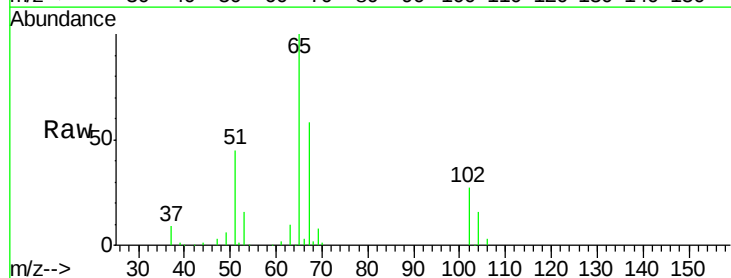
Acq: 20 Sep 2019 14:49

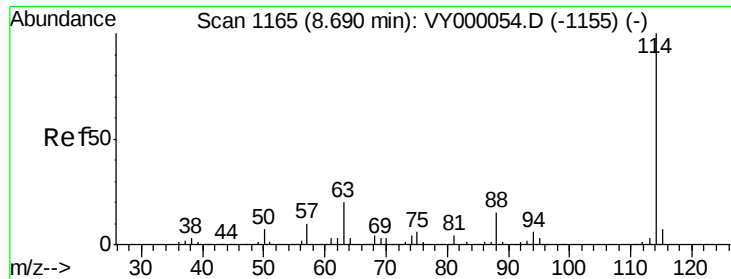
Tgt Ion: 65 Resp: 59906

Ion Ratio Lower Upper

65 100

67 56.4 0.0 111.0

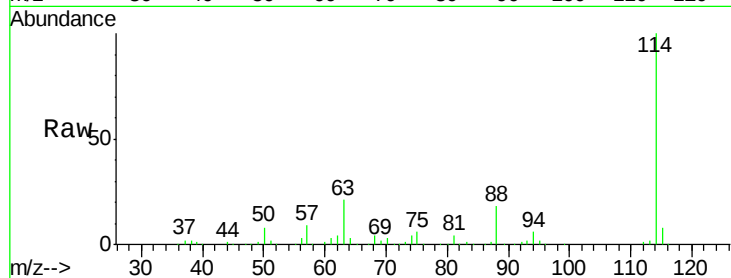




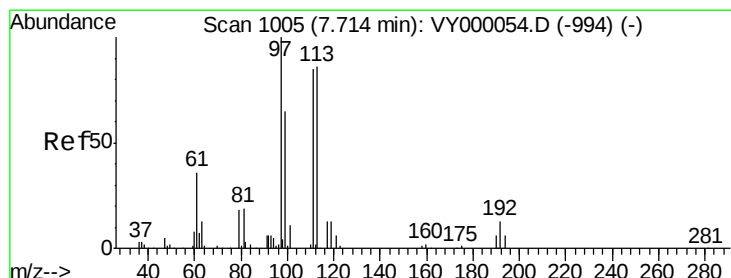
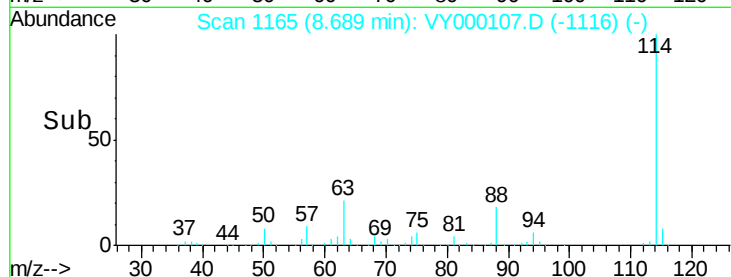
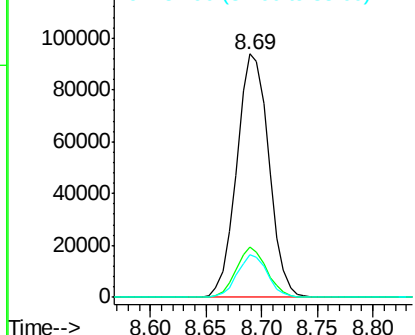
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000107.D
 Acq: 20 Sep 2019 14:49

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 187438
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 39.4
 88 17.6 0.0 30.2

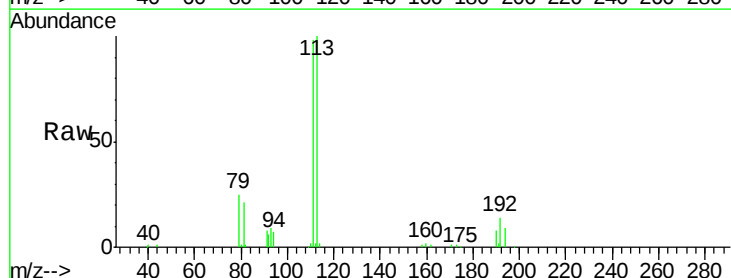


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

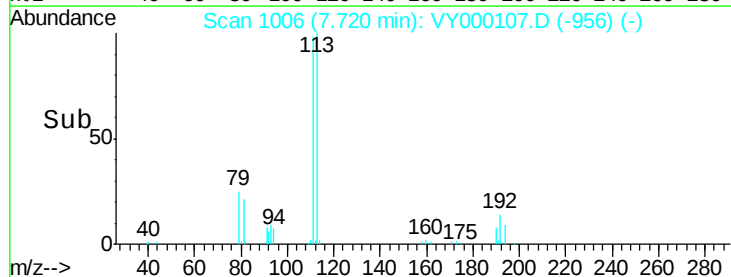
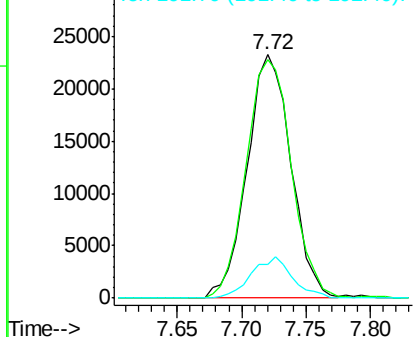


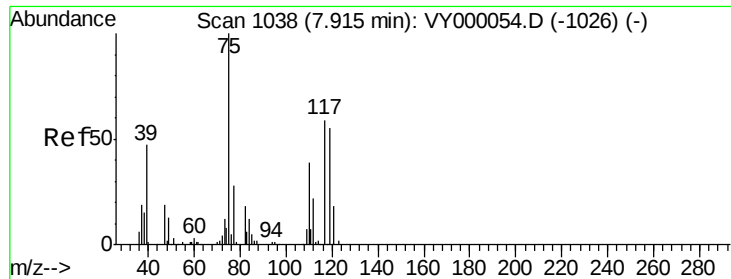
#35
 Dibromofluoromethane
 Concen: 48.264 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VY000107.D
 Acq: 20 Sep 2019 14:49

Tgt Ion:113 Resp: 54774
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.7 122.5
 192 15.7 13.4 20.2



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

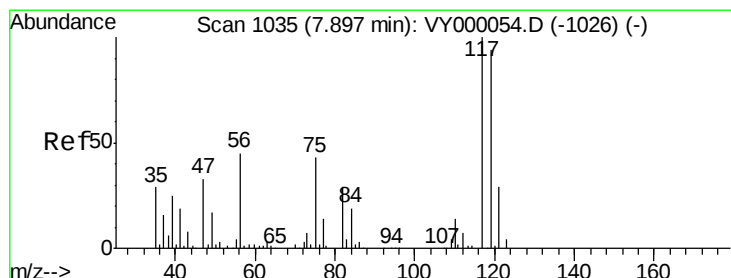
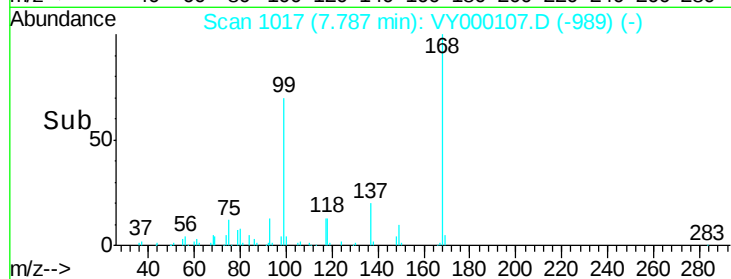
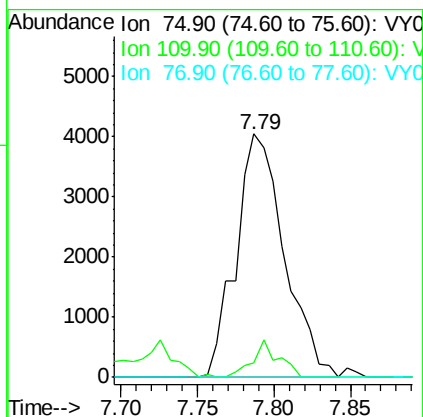
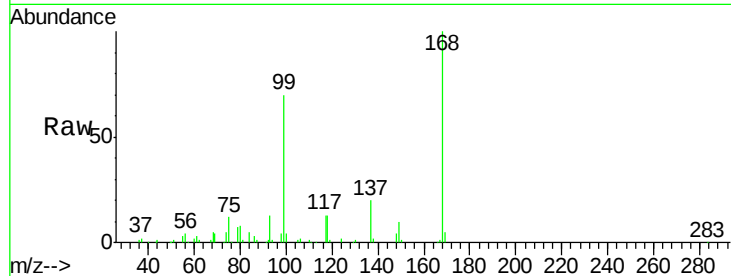




#36
 1,1-Dichloropropene
 Concen: 6.336 ug/l
 RT: 7.79 min Scan# 1017
 Delta R.T. -0.13 min
 Lab File: VY000107.D
 Acq: 20 Sep 2019 14:49

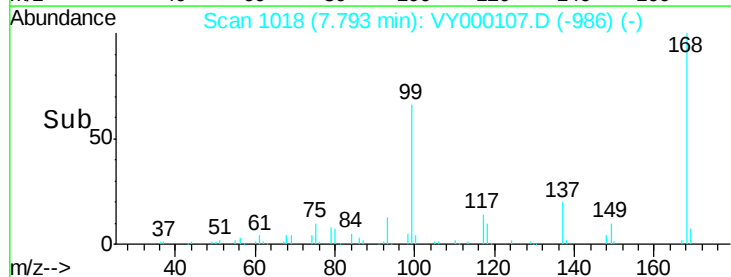
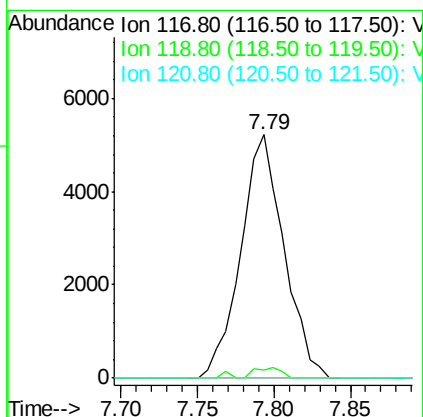
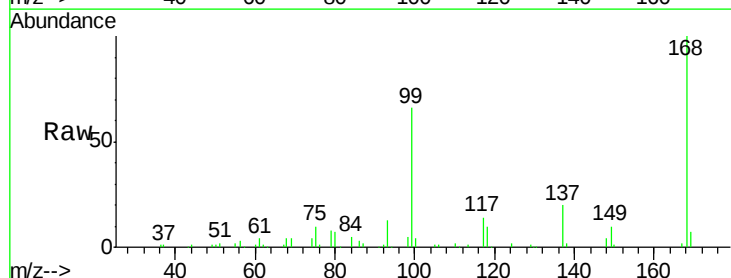
Instrument :
 MSVOA_Y
 ClientSampleId :

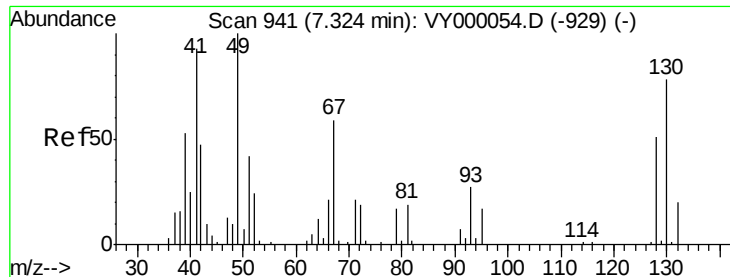
Tot Ion: 75 Resp: 8880
 Ion Ratio Lower Upper
 75 100
 110 8.2 19.6 58.7#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 7.740 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.10 min
 Lab File: VY000107.D
 Acq: 20 Sep 2019 14:49

Tgt Ion: 117 Resp: 10238
 Ion Ratio Lower Upper
 117 100
 119 3.2 75.0 112.6#
 121 0.0 22.8 34.2#





#41

Methacrylonitrile

Concen: 4.442 ug/l

RT: 7.34 min Scan# 944

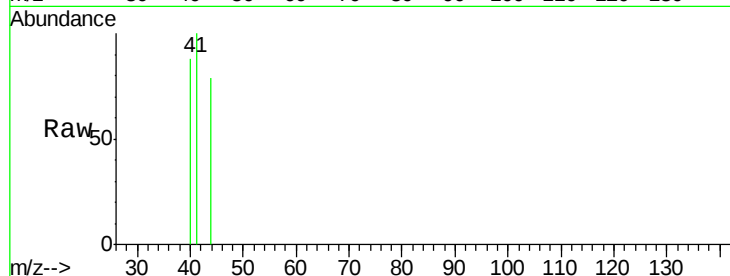
Delta R.T. 0.02 min

Lab File: VY000107.D

Acq: 20 Sep 2019 14:49

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	41	Resp:	106
Ion	Ratio	Lower	Upper
41	100		
39	0.0	91.8	137.6#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

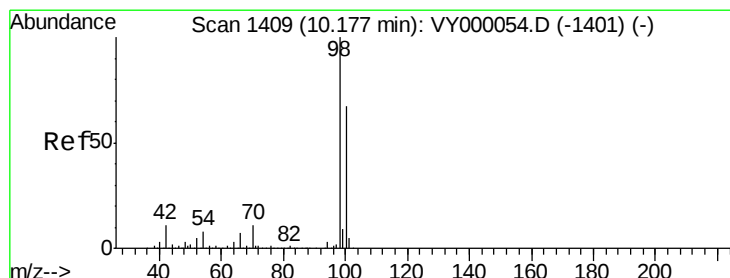
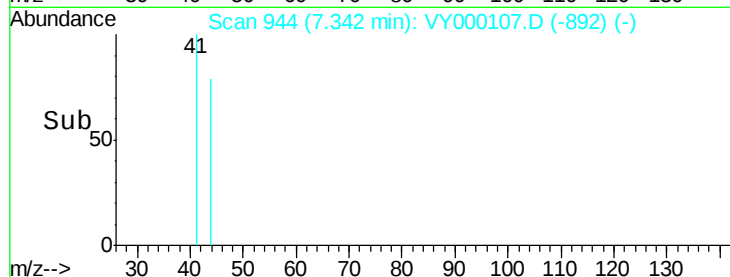
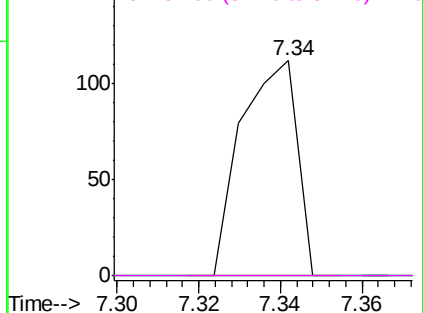


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#50

Toluene-d8

Concen: 48.339 ug/l

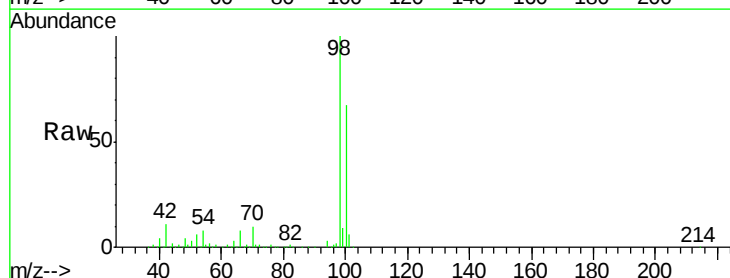
RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000107.D

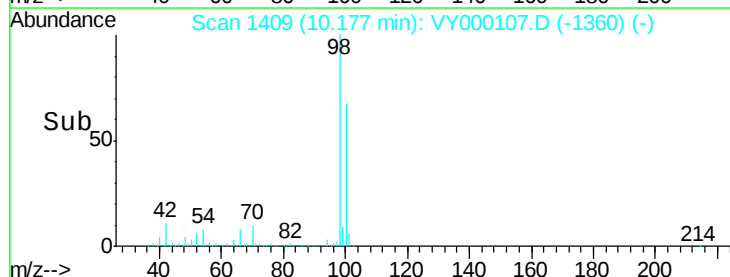
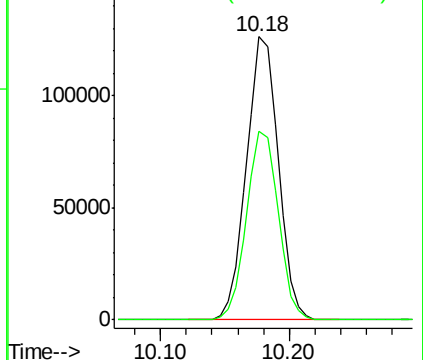
Acq: 20 Sep 2019 14:49

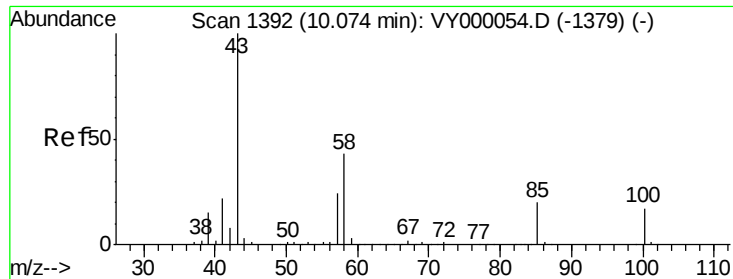
Tgt Ion:	98	Resp:	215472
Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.1	79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 1.273 ug/l

RT: 10.18 min Scan# 1410

Delta R.T. 0.11 min

Lab File: VY000107.D

Acq: 20 Sep 2019 14:49

Instrument :

MSVOA_Y

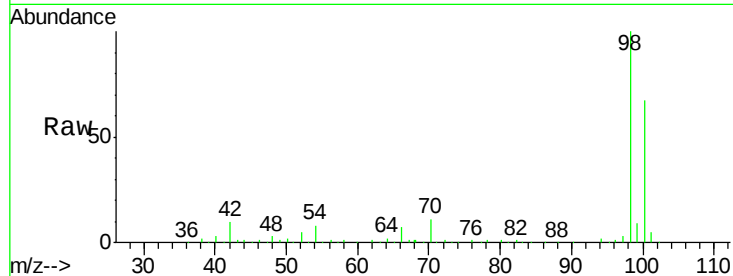
ClientSampled :

Tot Ion: 43 Resp: 1270

Ion Ratio Lower Upper

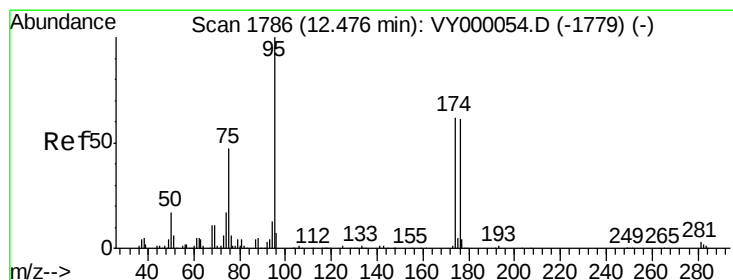
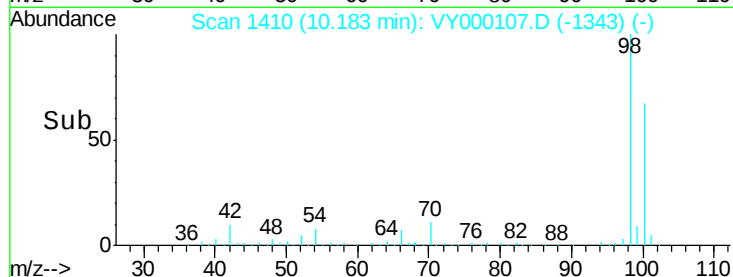
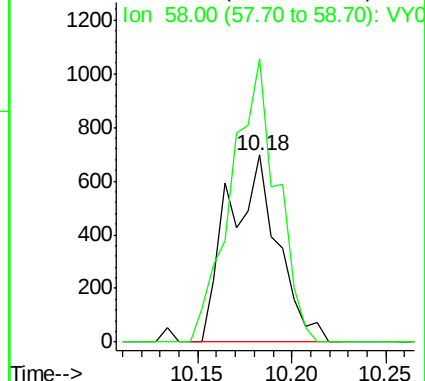
43 100

58 139.8 34.2 51.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 35.487 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.01 min

Lab File: VY000107.D

Acq: 20 Sep 2019 14:49

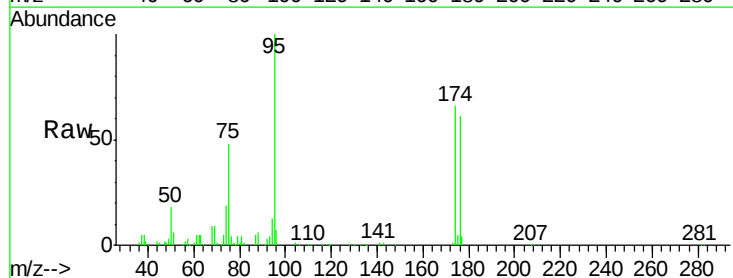
Tgt Ion: 95 Resp: 58730

Ion Ratio Lower Upper

95 100

174 64.1 0.0 137.2

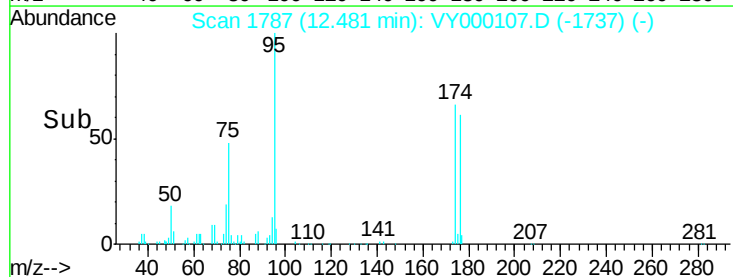
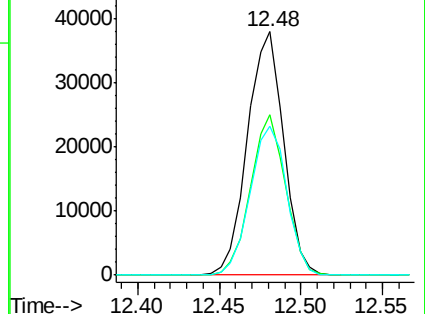
176 62.4 0.0 135.0

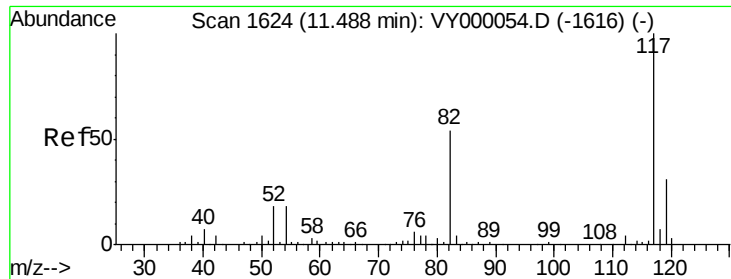


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

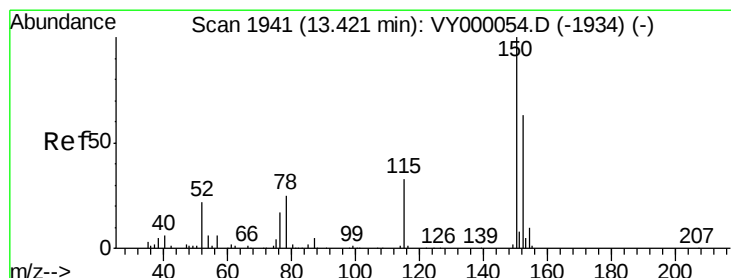
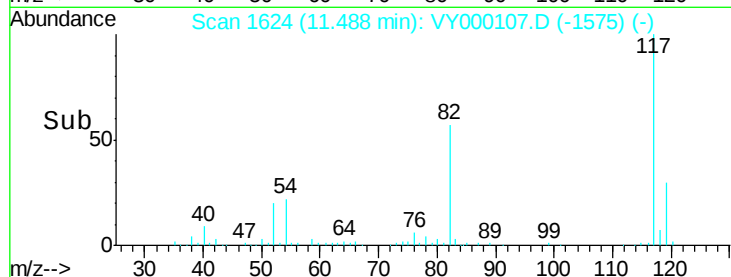
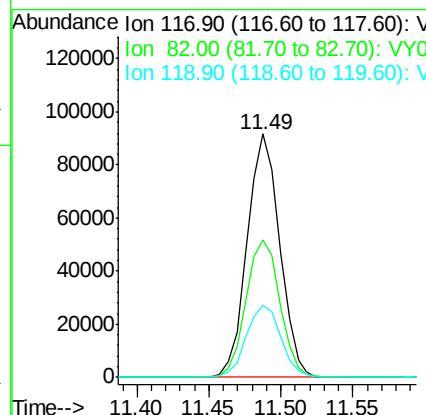
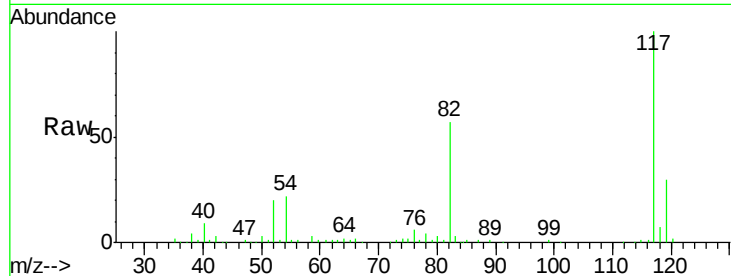




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000107.D
Acq: 20 Sep 2019 14:49

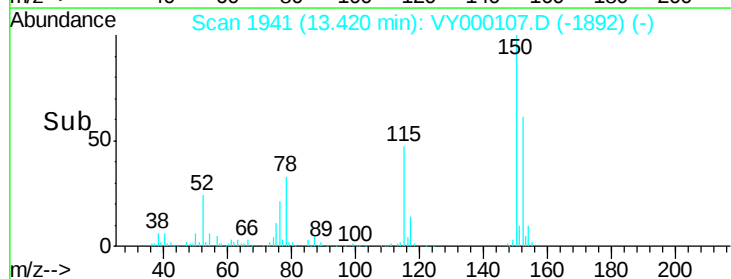
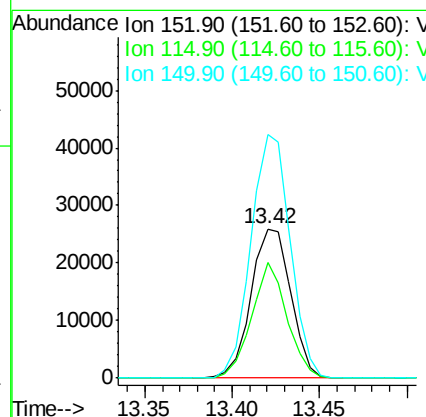
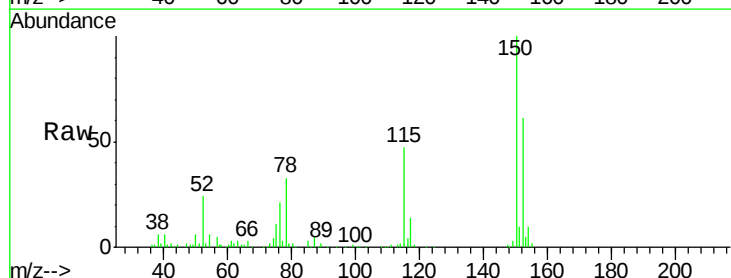
Instrument :
MSVOA_Y
ClientSampleId :

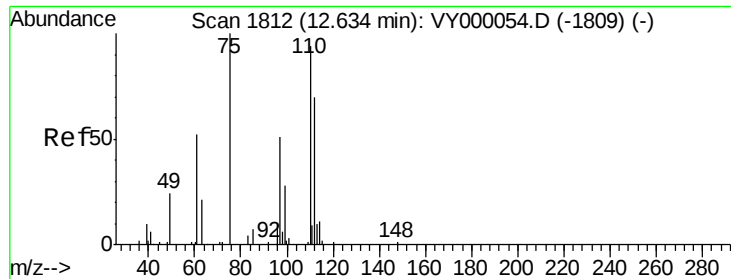
Tot Ion:117 Resp: 142878
Ion Ratio Lower Upper
117 100
82 56.6 43.5 65.3
119 29.8 24.6 36.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000107.D
Acq: 20 Sep 2019 14:49

Tgt Ion:152 Resp: 40934
Ion Ratio Lower Upper
152 100
115 68.6 30.7 92.1
150 161.0 0.0 351.6

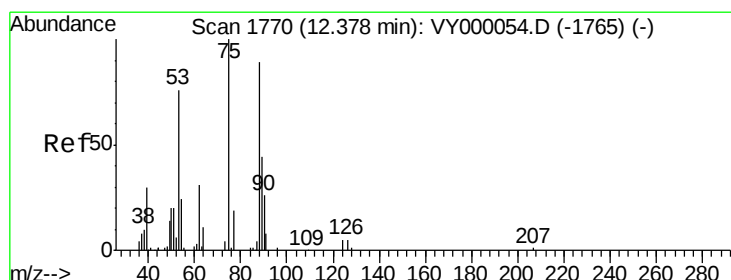
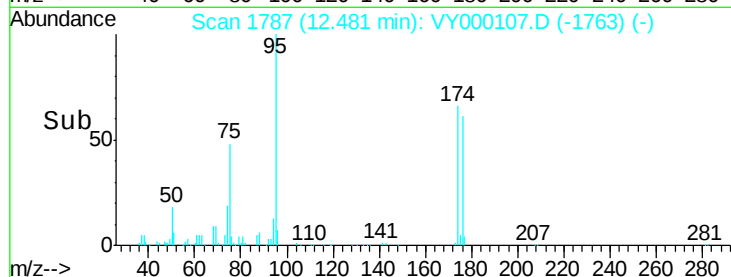
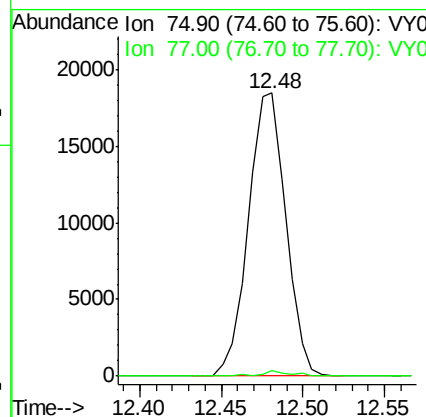
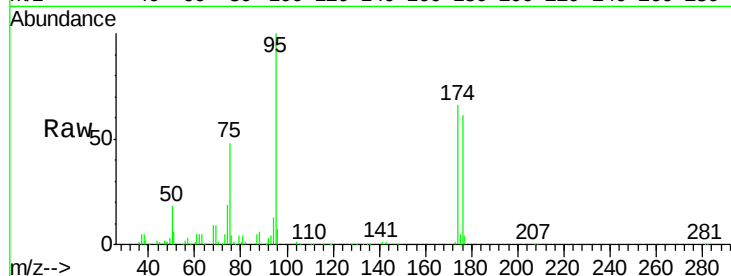




#76
 1,2,3-Trichloropropane
 Concen: 51.353 ug/l
 RT: 12.48 min Scan# 1787
 Delta R.T. -0.15 min
 Lab File: VY000107.D
 Acq: 20 Sep 2019 14:49

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 29576
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.764 ug/l
 RT: 12.48 min Scan# 1787
 Delta R.T. 0.10 min
 Lab File: VY000107.D
 Acq: 20 Sep 2019 14:49

Tgt Ion: 75 Resp: 29576
 Ion Ratio Lower Upper
 75 100
 53 0.0 60.9 91.3#
 89 0.3 35.3 52.9#

