

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101419\
 Data File : VY000304.D
 Acq On : 14 Oct 2019 17:08
 Operator : SY/MD
 Sample : K5355-02
 Misc : 6.39g/5.00ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 15 01:16:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	220975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	426681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	357607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	137988	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	144638	62.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.10%	
35) Dibromofluoromethane	7.73	113	121839	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
50) Toluene-d8	10.18	98	496093	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.48	95	154230	41.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.00%	

Target Compounds

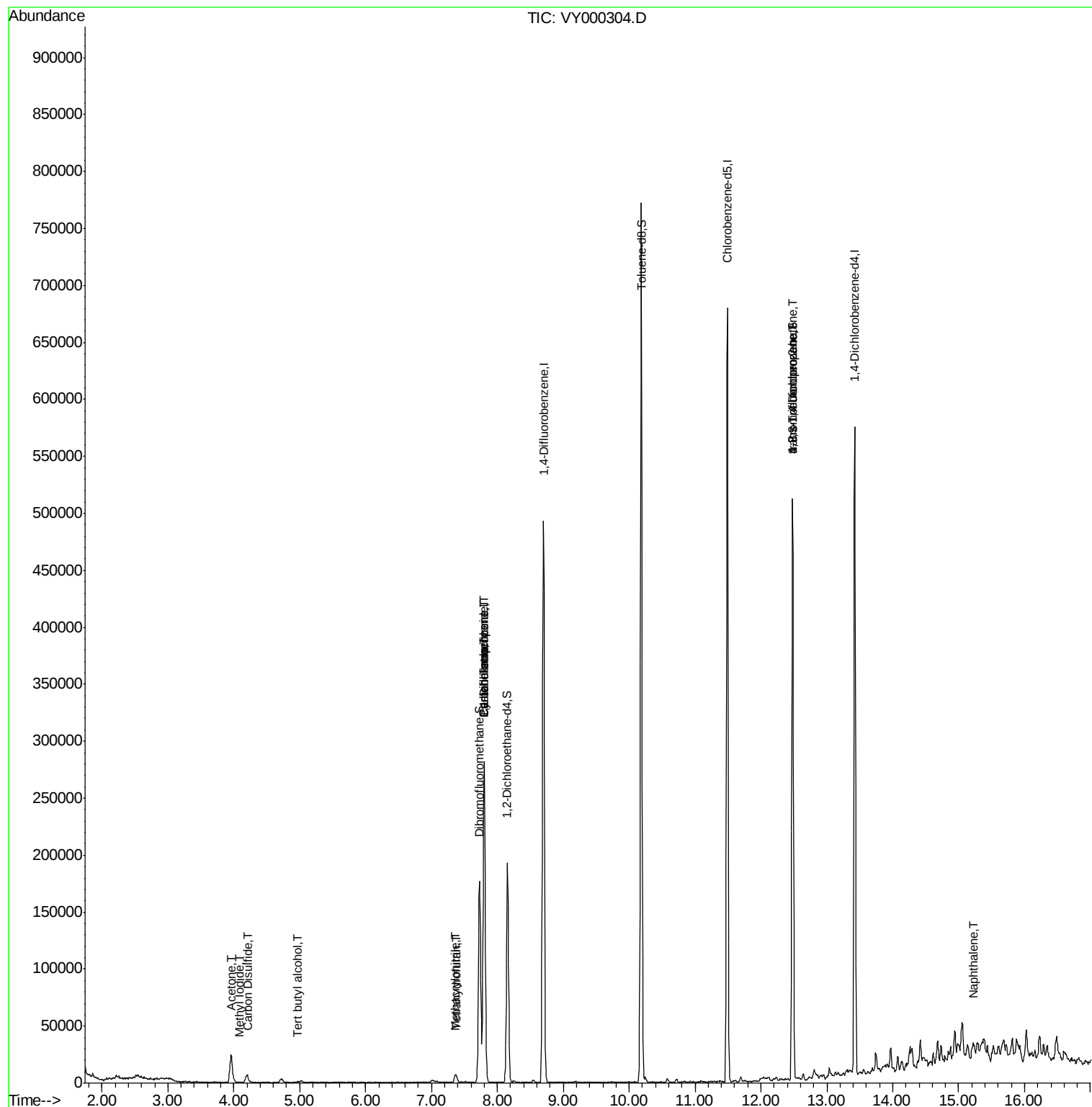
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	123	Below Cal	#	41
10) Methyl Iodide	4.10	142	60	1.204	ug/l #	41
11) Tert butyl alcohol	4.97	59	1269	5.202	ug/l #	84
16) Acetone	3.96	43	41382	54.821	ug/l	98
17) Carbon Disulfide	4.21	76	12732	1.812	ug/l #	95
20) Methylene Chloride	4.74	84	2223	Below Cal	#	67
29) Tetrahydrofuran	7.37	42	6225	9.660	ug/l	94
31) Cyclohexane	7.80	56	5169	1.159	ug/l #	34
36) 1,1-Dichloropropene	7.80	75	18077	4.327	ug/l #	48
38) Carbon Tetrachloride	7.80	117	22656	5.601	ug/l #	18
41) Methacrylonitrile	7.36	41	3716	3.156	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	81819	48.220	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	81819	105.504	ug/l #	14
95) Naphthalene	15.23	128	8652	1.304	ug/l #	86

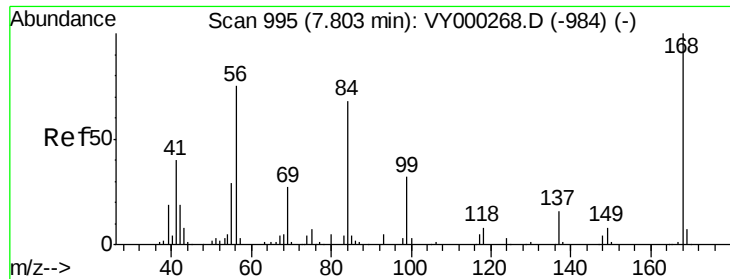
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000304.D

Acq: 14 Oct 2019 17:08

Instrument :

MSVOA_Y

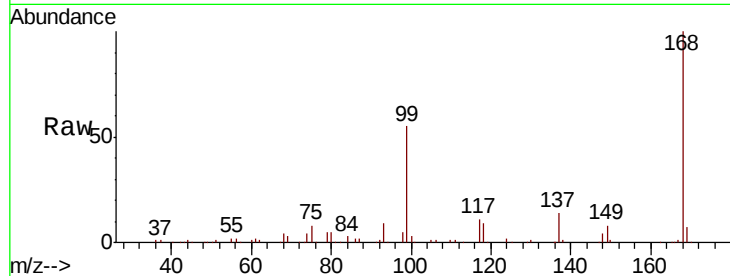
ClientSampleId :

Tot Ion:168 Resp: 220975

Ion Ratio Lower Upper

168 100

99 54.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000304.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000304.D (-946) (-)

7.80

100000

80000

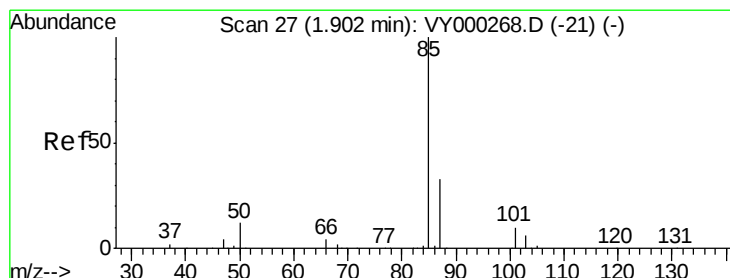
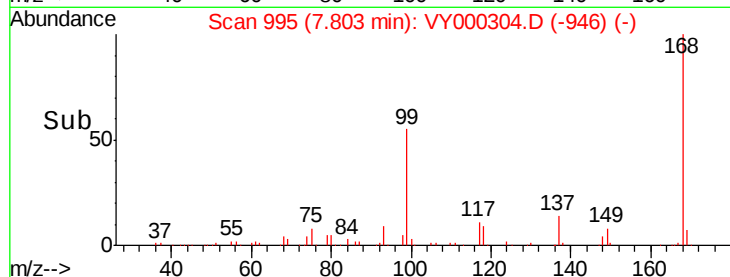
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 26

Delta R.T. -0.01 min

Lab File: VY000304.D

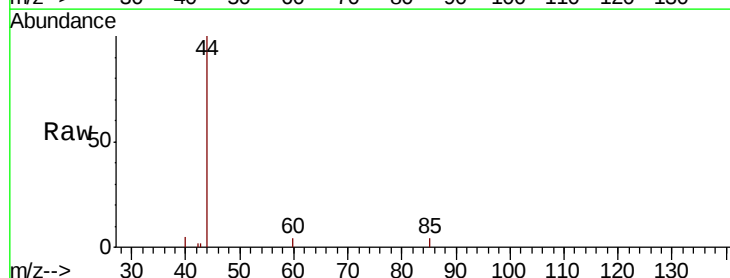
Acq: 14 Oct 2019 17:08

Tgt Ion: 85 Resp: 123

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000304.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000304.D (-1) (-)

1.90

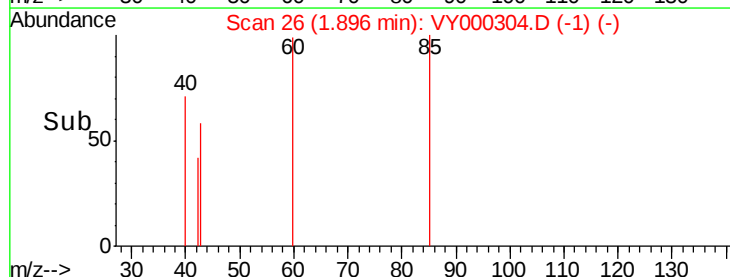
150

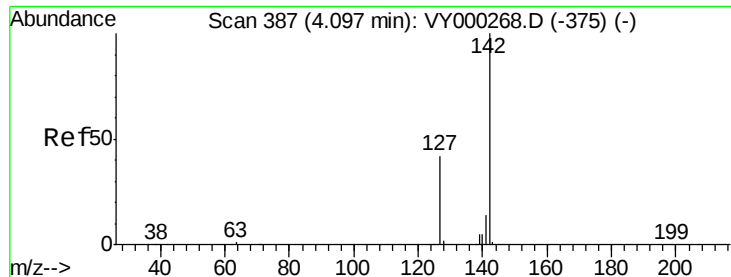
100

50

0

Time-->

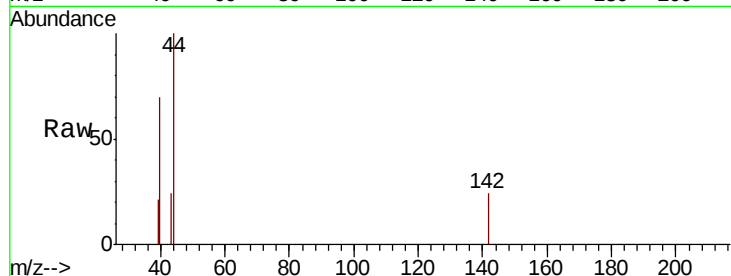




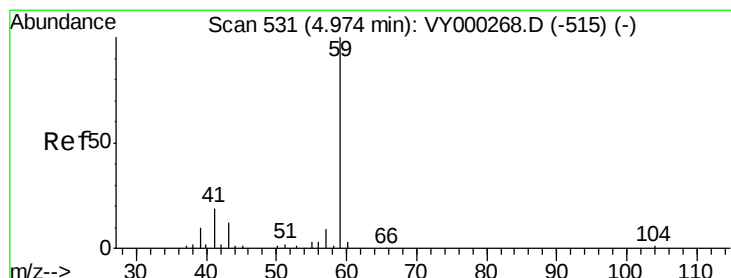
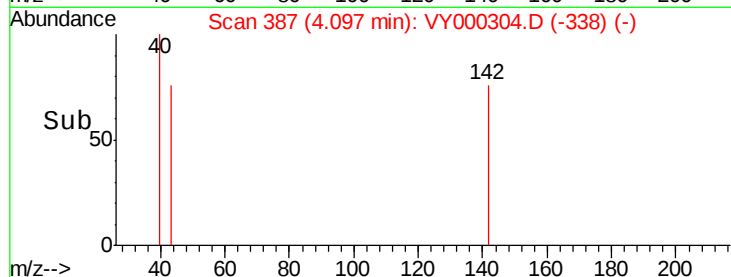
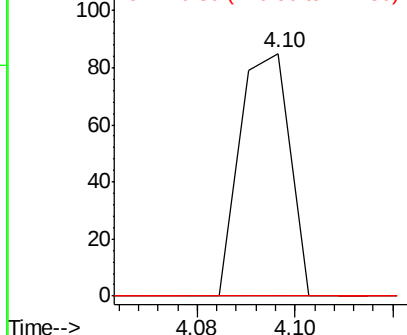
#10
Methyl Iodide
Concen: 1.204 ug/l
RT: 4.10 min Scan# 387
Delta R.T. 0.00 min
Lab File: VY000304.D
Acq: 14 Oct 2019 17:08

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:142 Resp: 60
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.2 16.8#

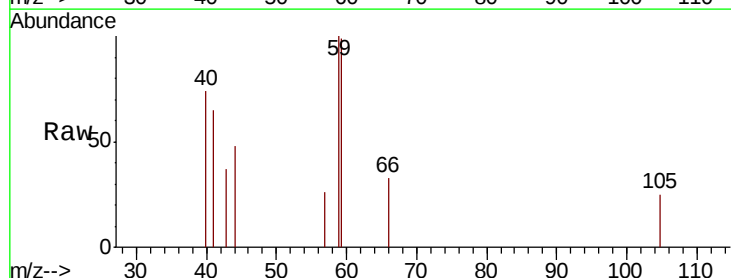


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

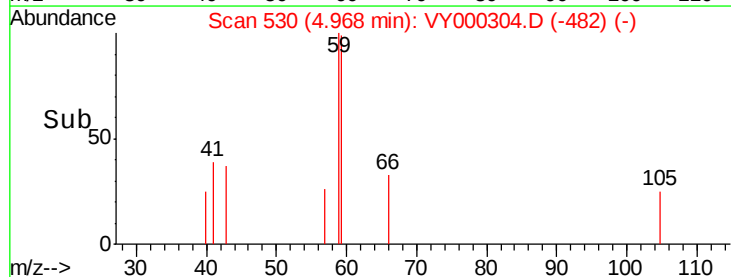
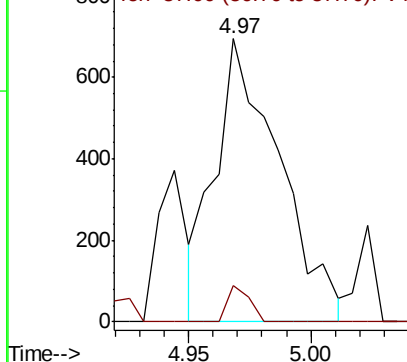


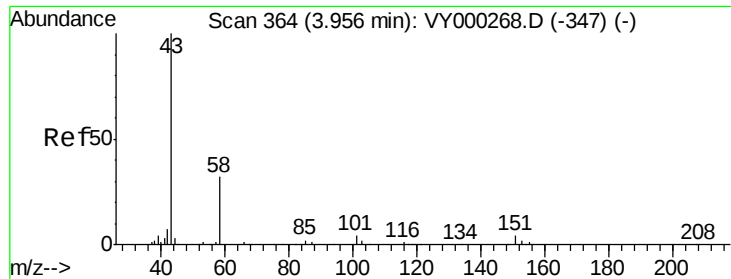
#11
Tert butyl alcohol
Concen: 5.202 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.01 min
Lab File: VY000304.D
Acq: 14 Oct 2019 17:08

Tgt Ion: 59 Resp: 1269
Ion Ratio Lower Upper
59 100
57 4.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VY0
Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 54.821 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000304.D

Acq: 14 Oct 2019 17:08

Instrument :

MSVOA_Y

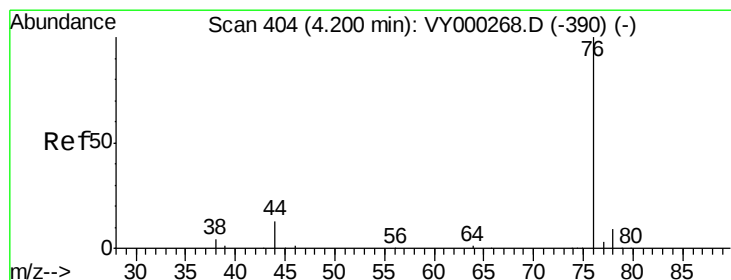
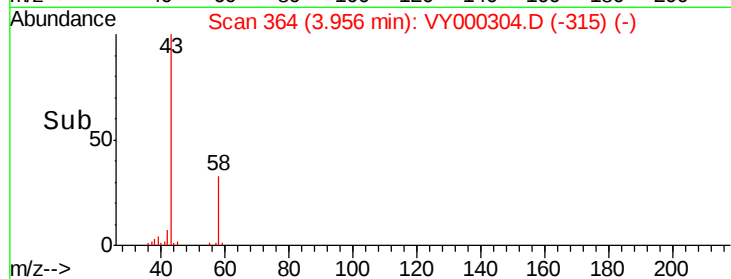
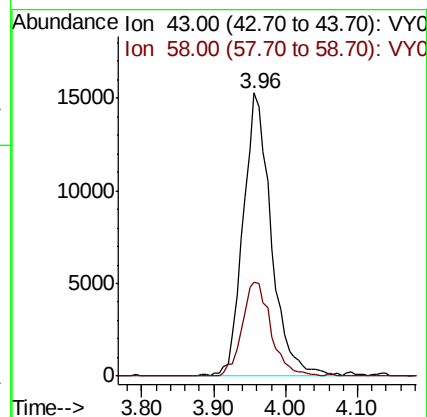
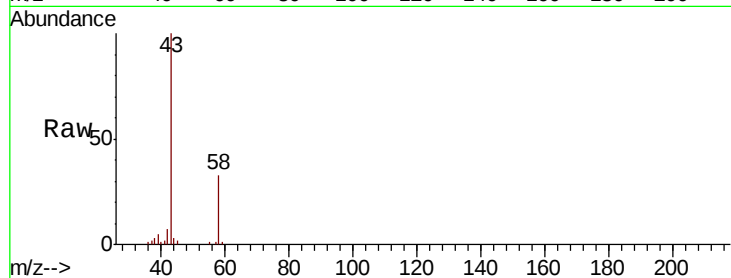
ClientSampleId :

Tot Ion: 43 Resp: 41382

Ion Ratio Lower Upper

43 100

58 33.1 25.8 38.6



#17

Carbon Disulfide

Concen: 1.812 ug/l

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY000304.D

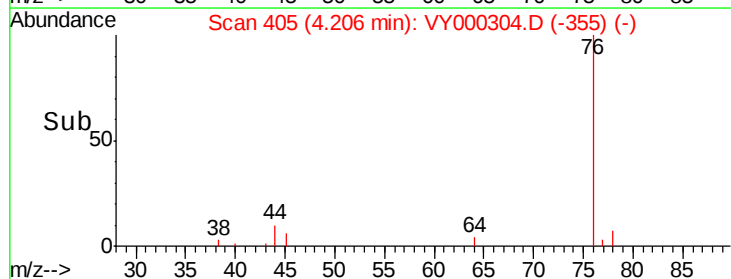
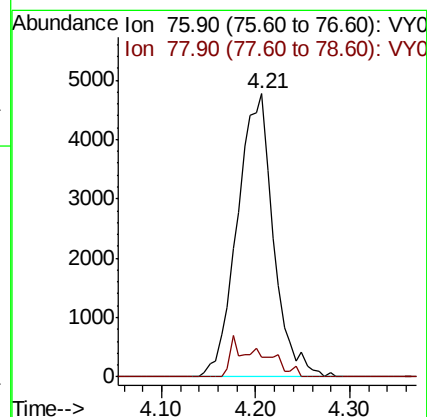
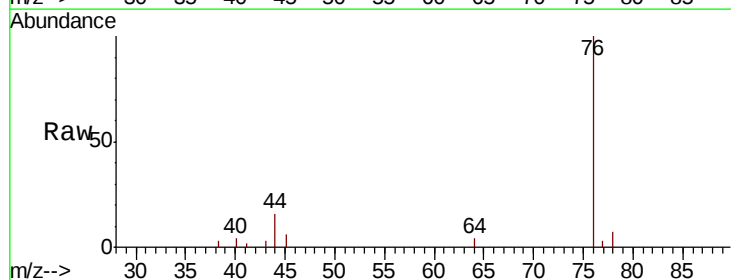
Acq: 14 Oct 2019 17:08

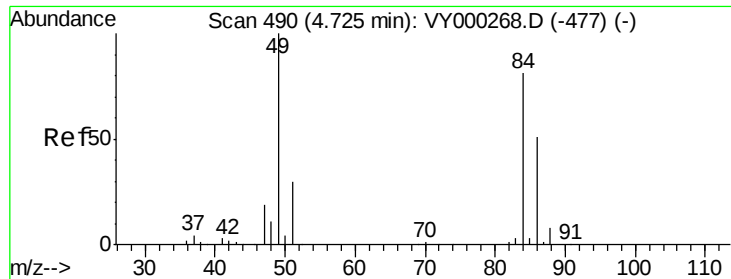
Tgt Ion: 76 Resp: 12732

Ion Ratio Lower Upper

76 100

78 6.9 7.0 10.4#

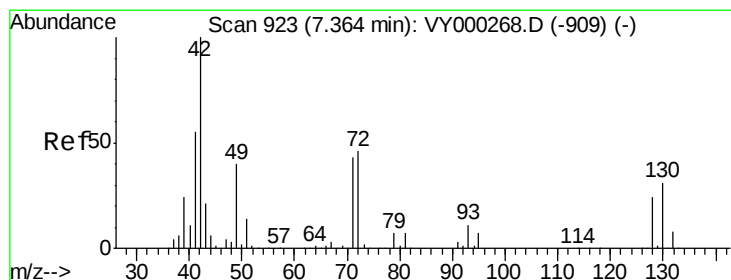
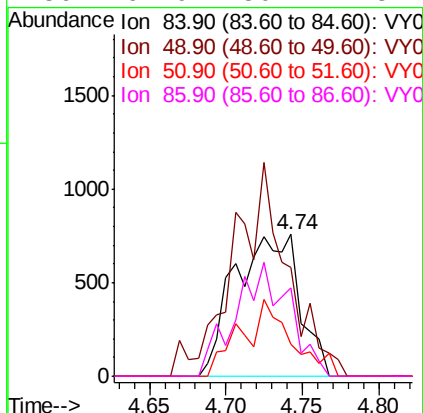
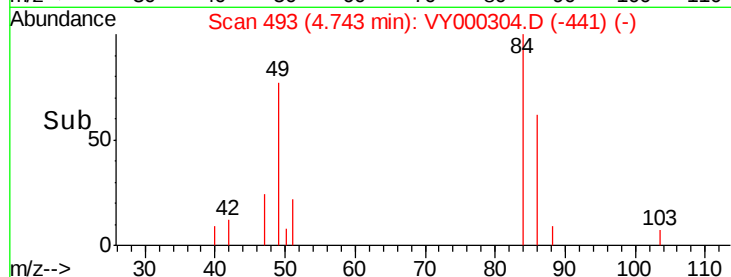
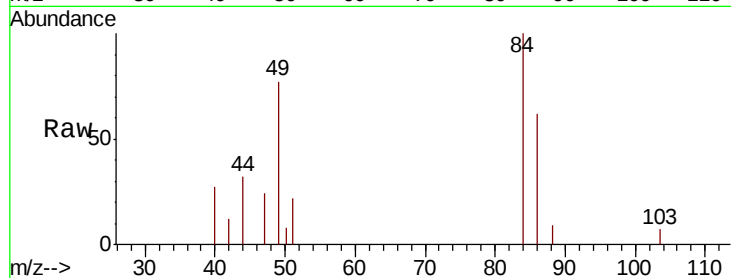




#20
Methylene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 493
Delta R.T. 0.02 min
Lab File: VY000304.D
Acq: 14 Oct 2019 17:08

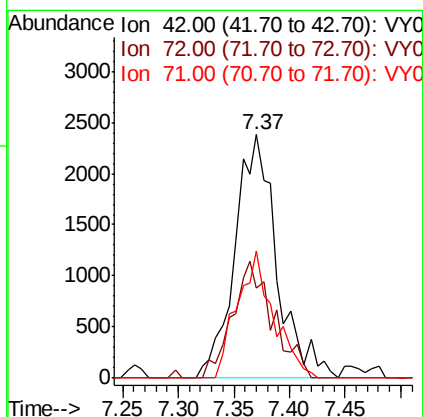
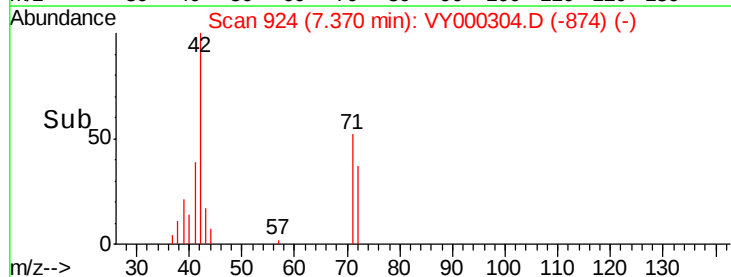
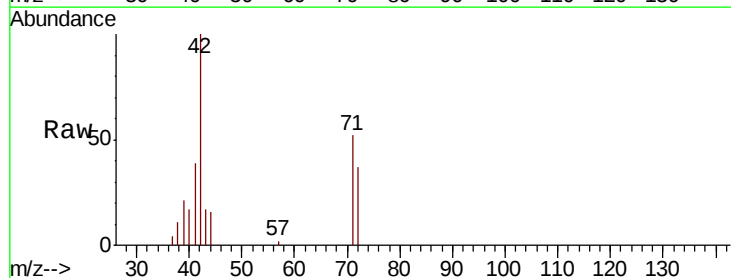
Instrument :
MSVOA_Y
ClientSampled :

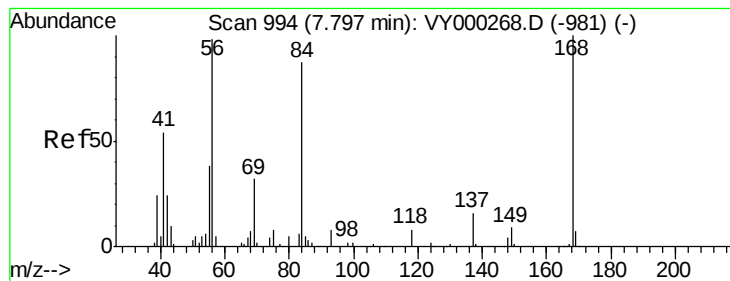
Tot Ion: 84 Resp: 2223
Ion Ratio Lower Upper
84 100
49 65.8 99.0 148.4#
51 22.4 29.3 43.9#
86 61.9 50.2 75.4



#29
Tetrahydrofuran
Concen: 9.660 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY000304.D
Acq: 14 Oct 2019 17:08

Tgt Ion: 42 Resp: 6225
Ion Ratio Lower Upper
42 100
72 46.7 34.5 51.7
71 45.1 32.7 49.1





#31

Cyclohexane

Concen: 1.159 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000304.D

Acq: 14 Oct 2019 17:08

Instrument :
MSVOA_Y
ClientSampled :

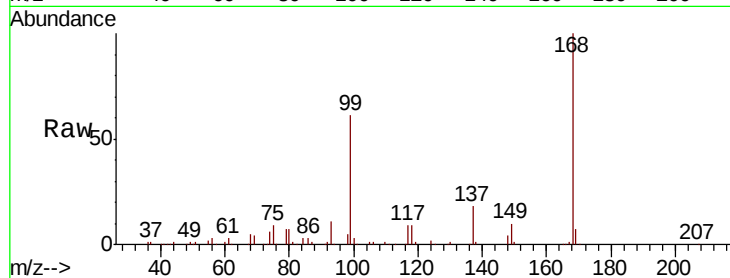
Tot Ion: 56 Resp: 5169

Ion Ratio Lower Upper

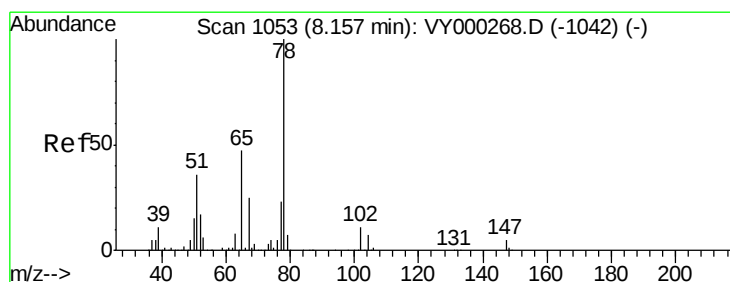
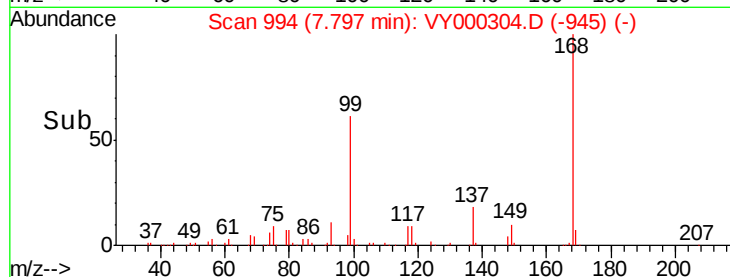
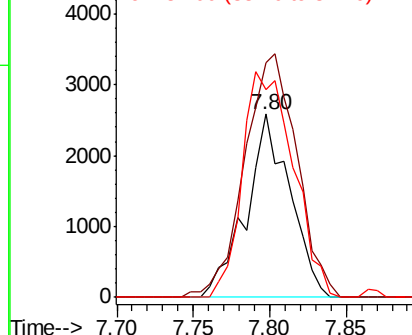
56 100

69 128.3 26.3 39.5#

84 113.7 70.8 106.2#



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



#33

1,2-Dichloroethane-d4

Concen: 62.051 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000304.D

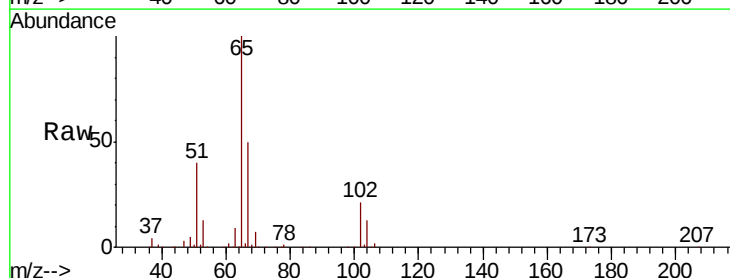
Acq: 14 Oct 2019 17:08

Tgt Ion: 65 Resp: 144638

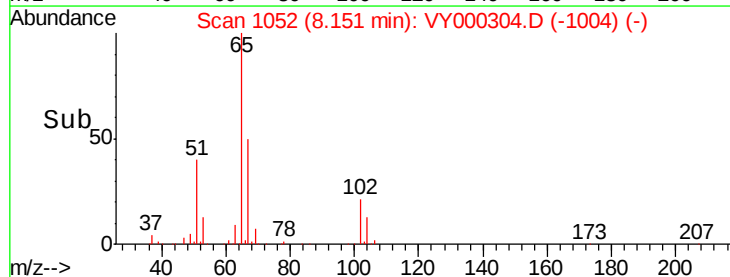
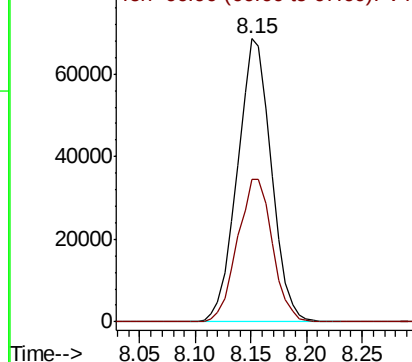
Ion Ratio Lower Upper

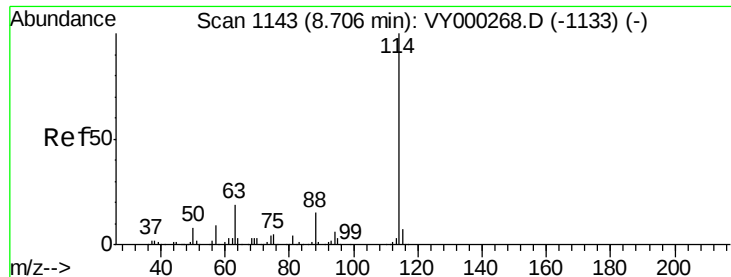
65 100

67 52.1 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000304.D

Acq: 14 Oct 2019 17:08

Instrument :

MSVOA_Y

ClientSampleId :

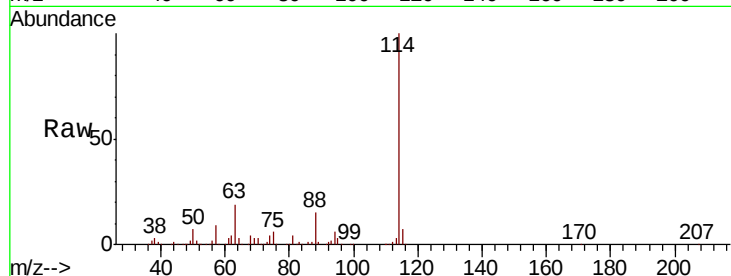
Tot Ion:114 Resp: 426681

Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.2

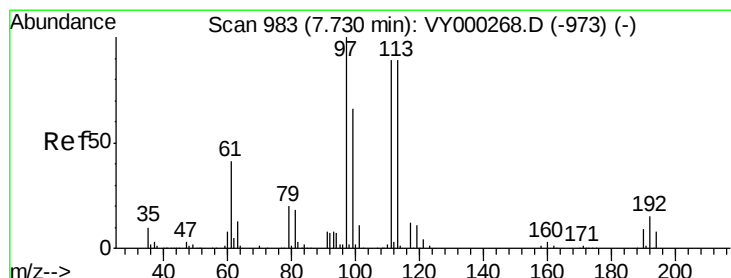
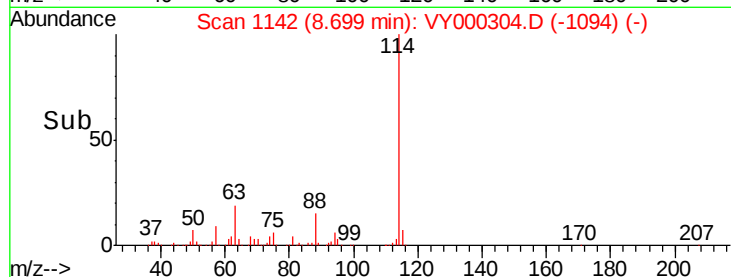
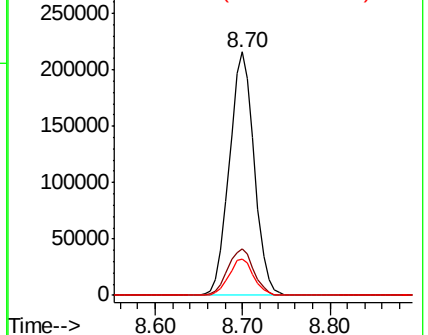
88 15.1 0.0 30.2



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: 47.339 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000304.D

Acq: 14 Oct 2019 17:08

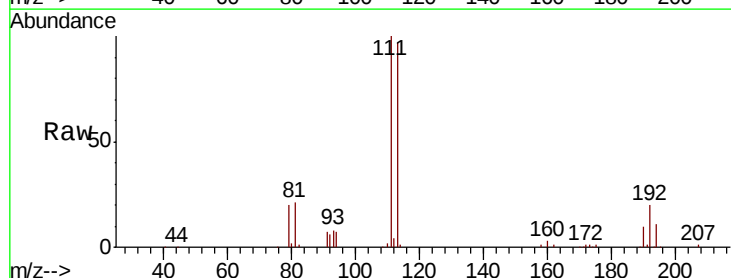
Tgt Ion:113 Resp: 121839

Ion Ratio Lower Upper

113 100

111 104.0 81.6 122.4

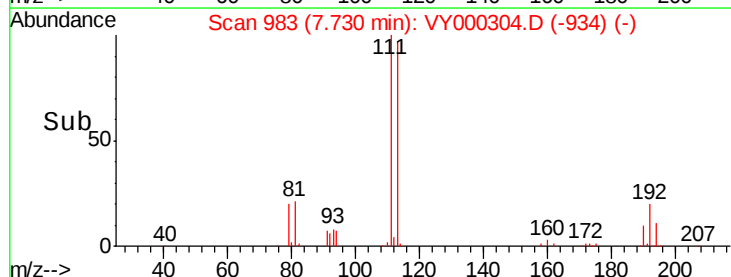
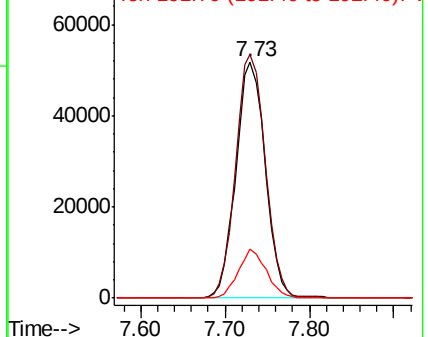
192 19.7 15.3 22.9

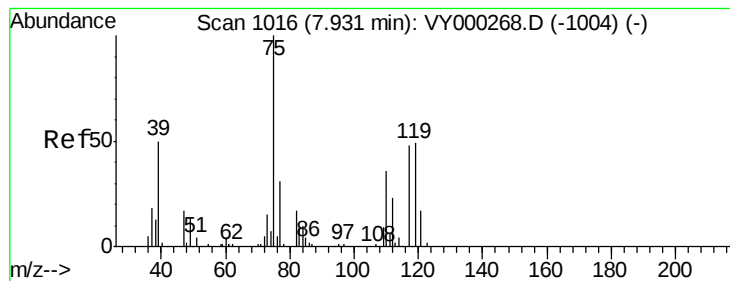


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.327 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000304.D

Acq: 14 Oct 2019 17:08

Instrument :

MSVOA_Y

ClientSampled :

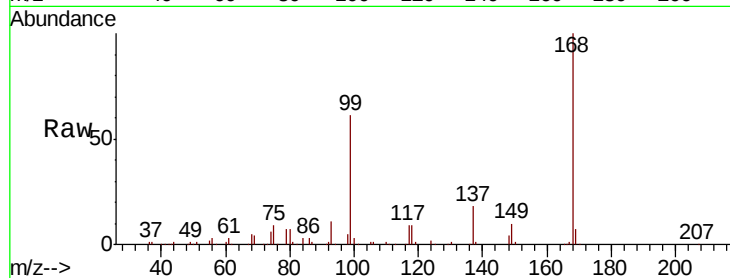
Tot Ion: 75 Resp: 18077

Ion Ratio Lower Upper

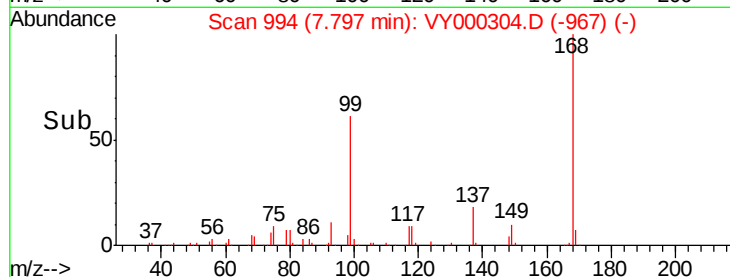
75 100

110 8.7 18.4 55.4#

77 0.0 25.0 37.6#



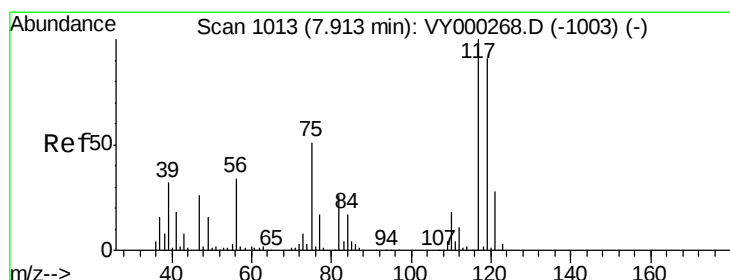
Abundance Ion 74.90 (74.60 to 75.60): VY000304.D (-967) (-)



Ion 109.90 (109.60 to 110.60): VY000304.D (-967) (-)

Ion 76.90 (76.60 to 77.60): VY000304.D (-967) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.601 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000304.D

Acq: 14 Oct 2019 17:08

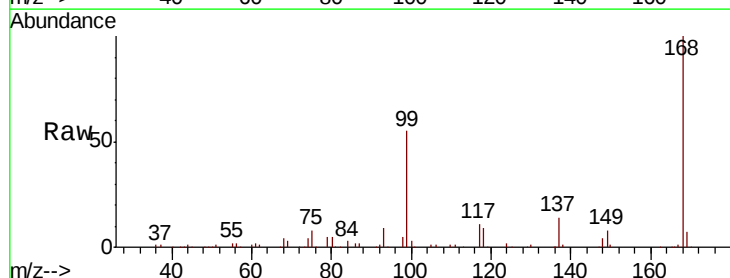
Tgt Ion: 117 Resp: 22656

Ion Ratio Lower Upper

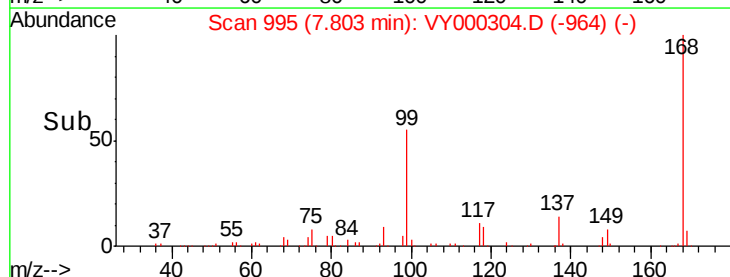
117 100

119 4.7 72.8 109.2#

121 0.0 22.2 33.2#



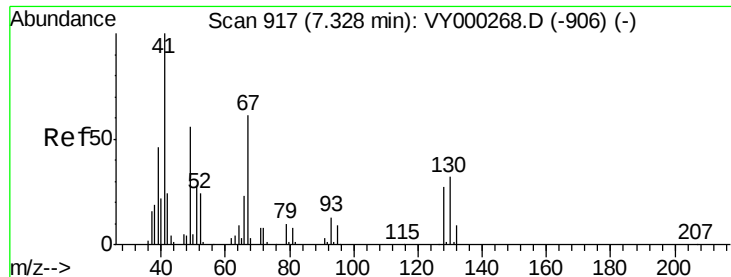
Abundance Ion 116.80 (116.50 to 117.50): VY000304.D (-964) (-)



Ion 118.80 (118.50 to 119.50): VY000304.D (-964) (-)

Ion 120.80 (120.50 to 121.50): VY000304.D (-964) (-)

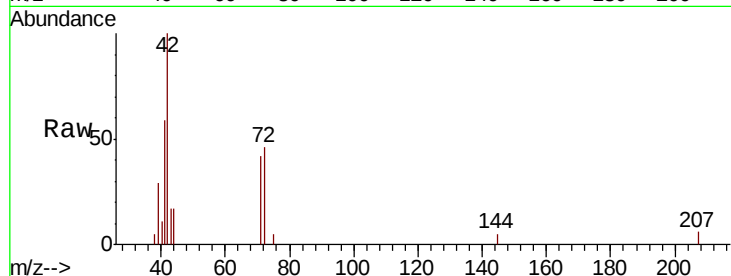
Time-->



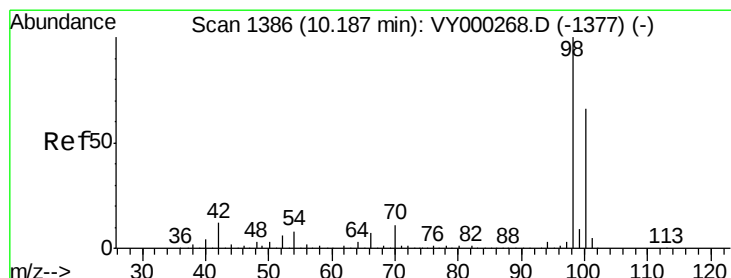
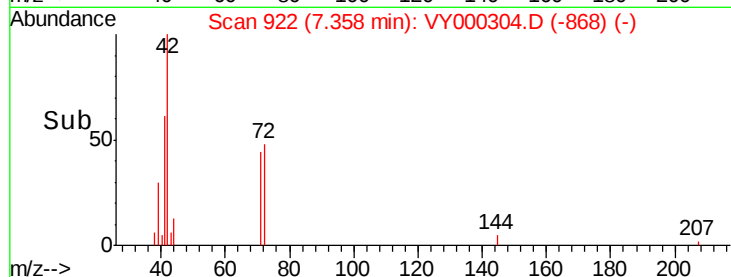
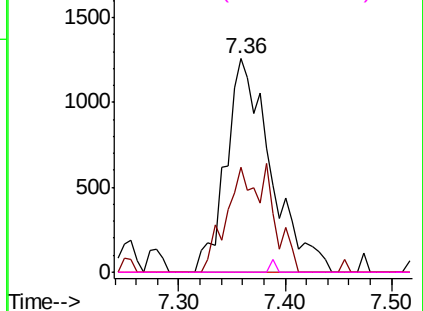
#41
Methacrylonitrile
Concen: 3.156 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.03 min
Lab File: VY000304.D
Acq: 14 Oct 2019 17:08

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	110.2	165.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

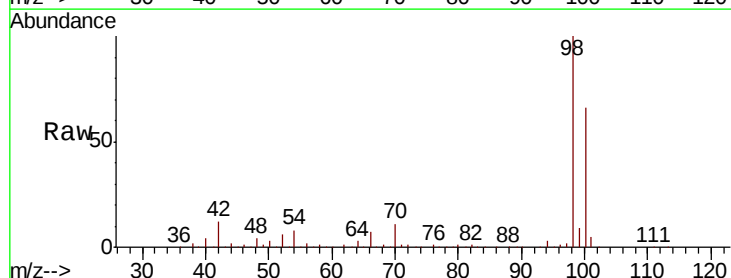


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

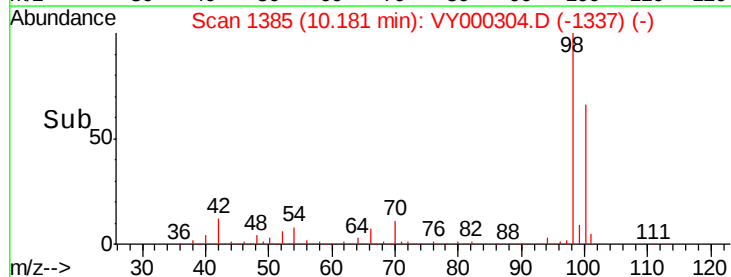
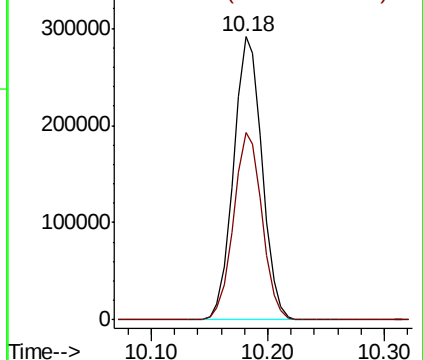


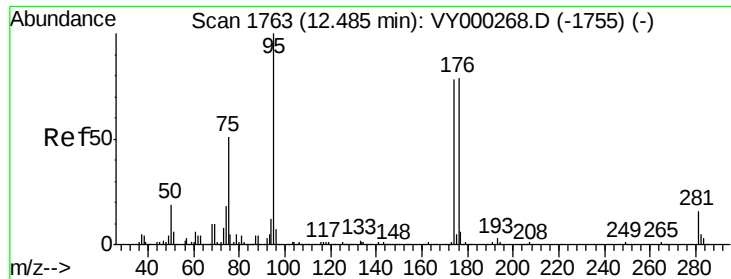
#50
Toluene-d8
Concen: 50.107 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000304.D
Acq: 14 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.8	79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

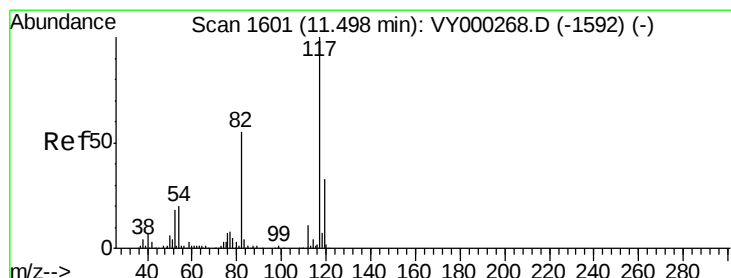
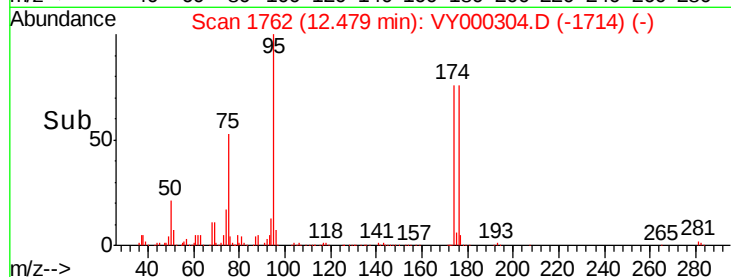
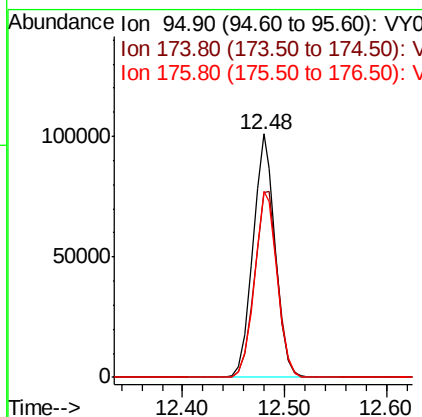
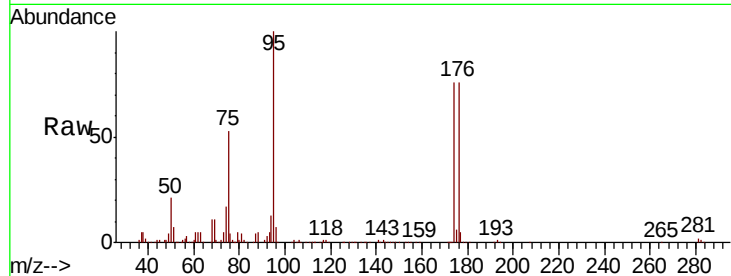




#62
4-Bromofluorobenzene
Concen: 41.004 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000304.D
Acq: 14 Oct 2019 17:08

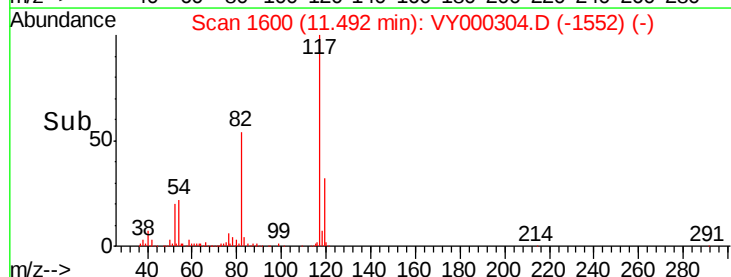
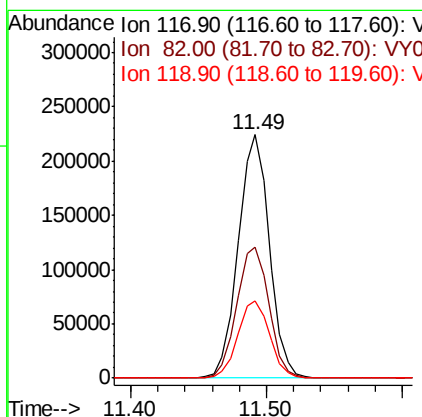
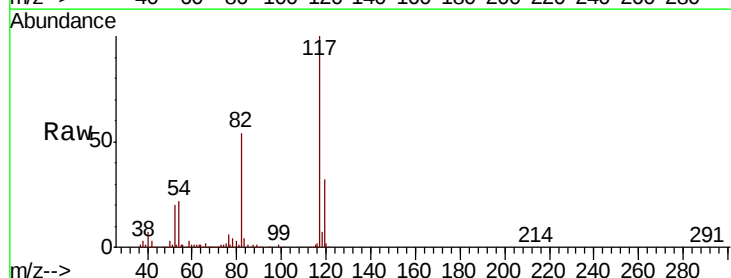
Instrument :
MSVOA_Y
ClientSampled :

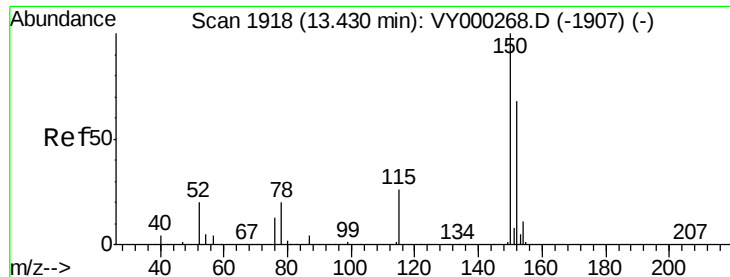
Tot Ion	Ratio	Lower	Upper
95	100		
174	79.0	0.0	159.6
176	77.2	0.0	153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000304.D
Acq: 14 Oct 2019 17:08

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.7	65.5
119	31.6	26.6	39.8



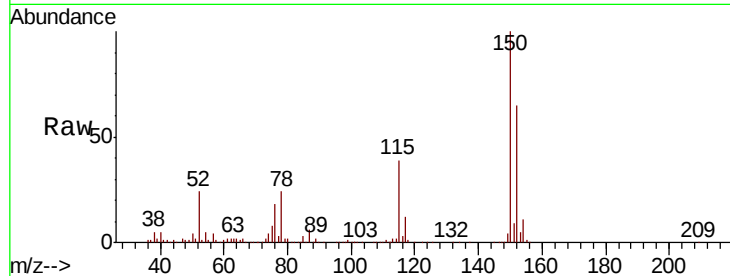


#72

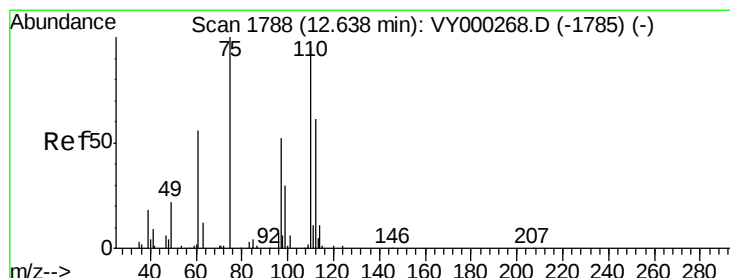
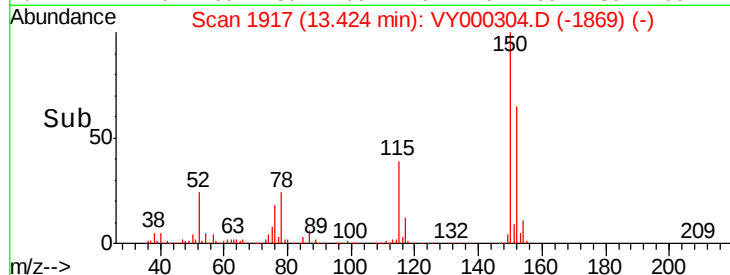
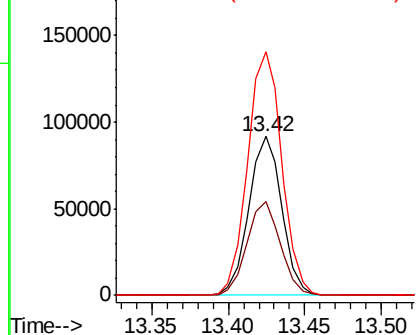
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000304.D
Acq: 14 Oct 2019 17:08

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 137988
Ion Ratio Lower Upper
152 100
115 59.3 29.3 88.0
150 157.8 0.0 348.4



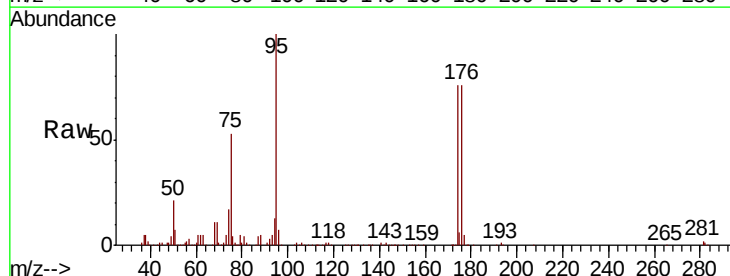
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



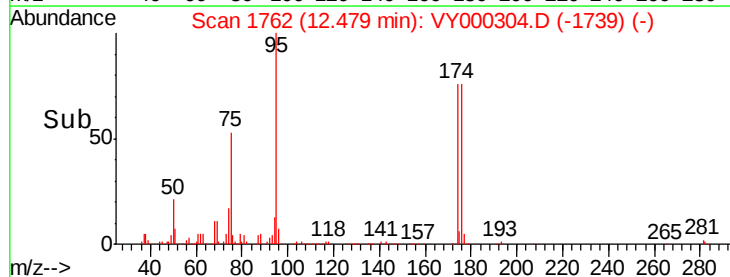
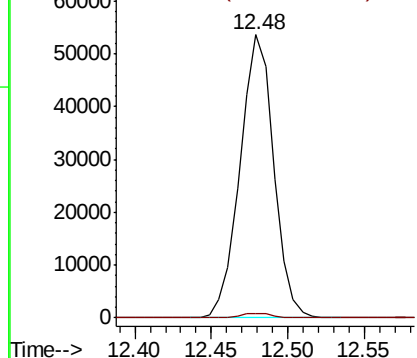
#76

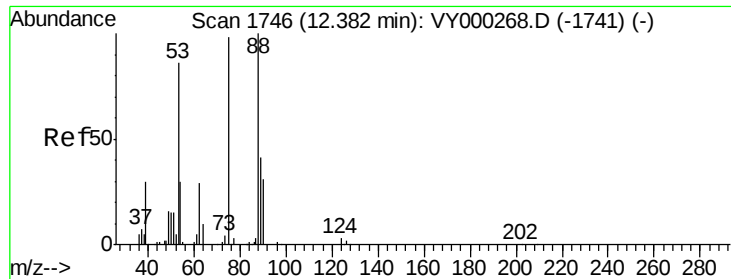
1,2,3-Trichloropropane
Concen: 48.220 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000304.D
Acq: 14 Oct 2019 17:08

Tgt Ion: 75 Resp: 81819
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

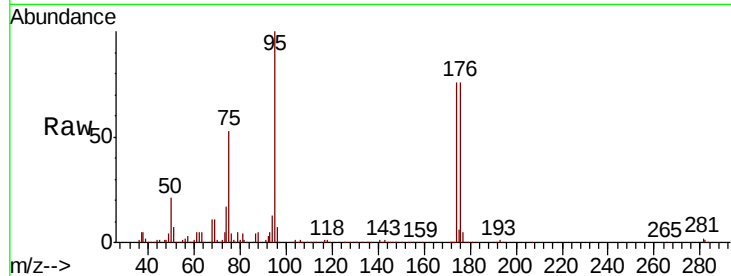




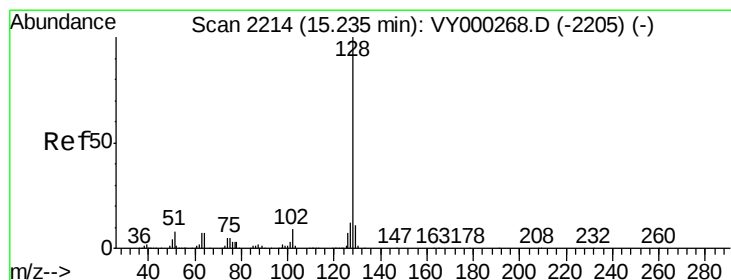
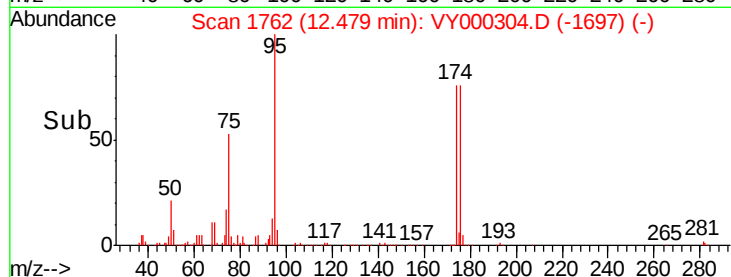
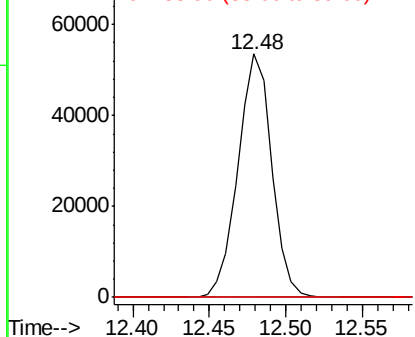
#81
trans-1,4-Dichloro-2-butene
Concen: 105.504 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000304.D
Acq: 14 Oct 2019 17:08

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 75 Resp: 81819
Ion Ratio Lower Upper
75 100
53 0.2 71.3 106.9#
89 0.0 35.1 52.7#

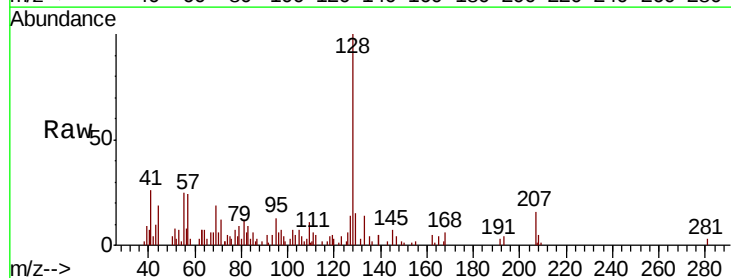


Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 53.00 (52.70 to 53.70): VY0
Ion 88.90 (88.60 to 89.60): VY0



#95
Naphthalene
Concen: 1.304 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000304.D
Acq: 14 Oct 2019 17:08

Tgt Ion:128 Resp: 8652
Ion Ratio Lower Upper
128 100
127 16.3 9.6 14.4#
129 17.3 8.7 13.1#



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

