

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121819\
 Data File : VY001002.D
 Acq On : 18 Dec 2019 17:35
 Operator : SY/MD
 Sample : K6370-07
 Misc : 3.48G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 19 04:43:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	107401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	166966	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	99343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	25806	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	36673	32.13	ug/l	0.00
Spiked Amount			Recovery	=	64.26%	
35) Dibromofluoromethane	7.73	113	42326	43.50	ug/l	0.00
Spiked Amount			Recovery	=	87.00%	
50) Toluene-d8	10.18	98	180271	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
62) 4-Bromofluorobenzene	12.48	95	29465	20.17	ug/l	0.00
Spiked Amount			Recovery	=	40.34%	

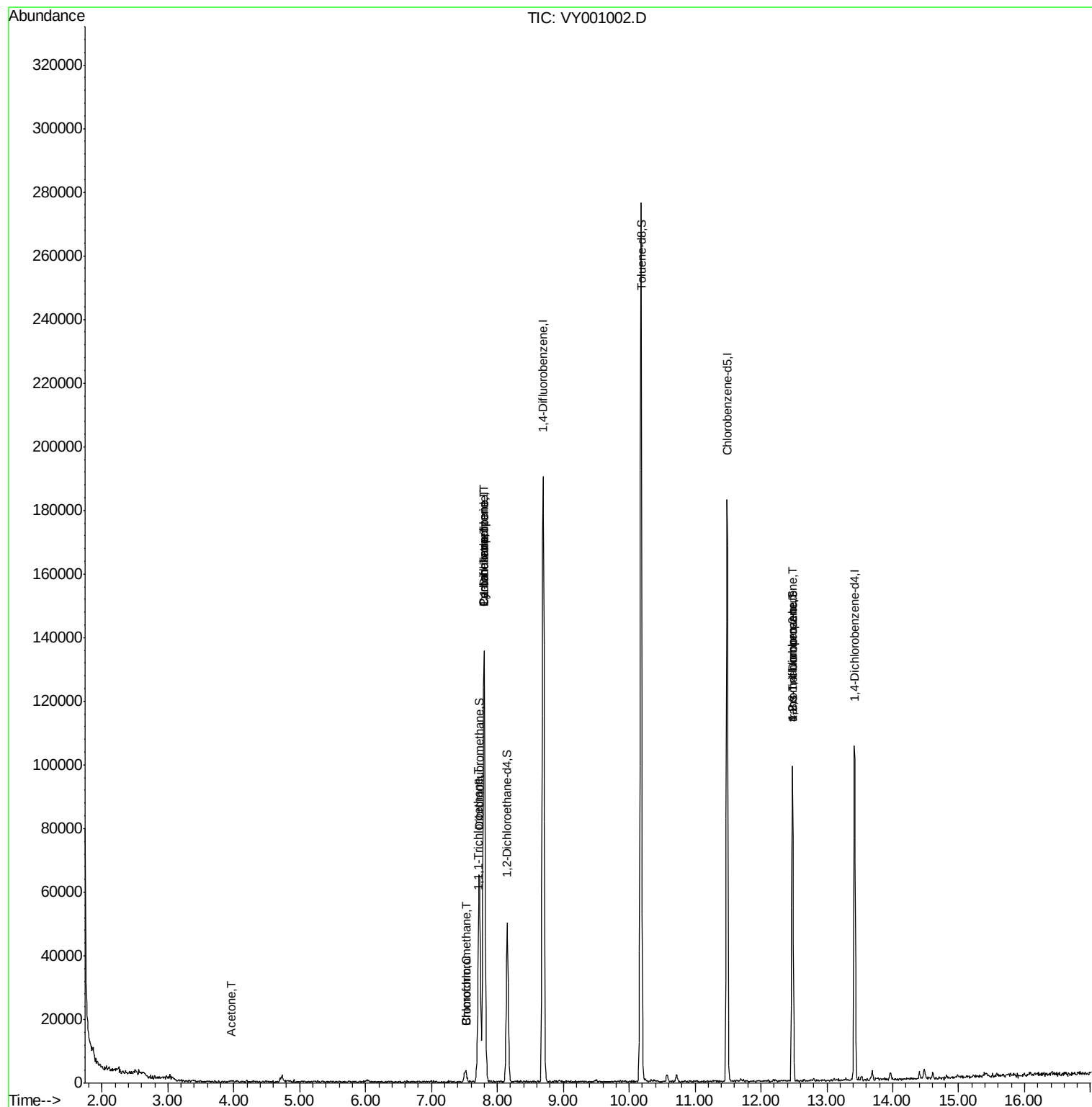
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.65	94	54	Below Cal	#	1
16) Acetone	3.95	43	348	1.33	ug/l #	40
28) Bromochloromethane	7.52	49	203	2.25	ug/l #	15
30) Chloroform	7.52	83	3761	1.64	ug/l	90
31) Cyclohexane	7.80	56	2492	1.03	ug/l #	45
32) 1,1,1-Trichloroethane	7.71	97	8276	4.37	ug/l	93
36) 1,1-Dichloropropene	7.80	75	9001	5.42	ug/l #	45
38) Carbon Tetrachloride	7.80	117	10798	7.30	ug/l #	14
76) 1,2,3-Trichloropropane	12.47	75	14610	49.97	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.47	75	14610	98.15	ug/l #	18

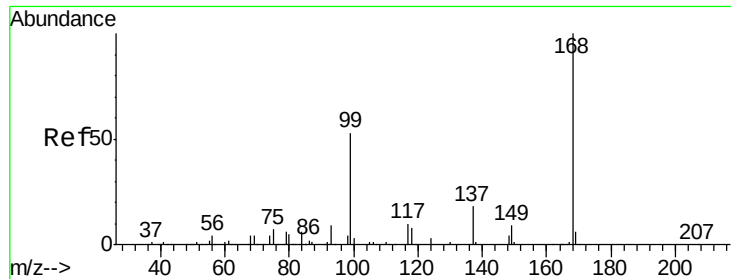
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY001002.D

Acq: 18 Dec 2019 17:35

Instrument :

MSVOA_Y

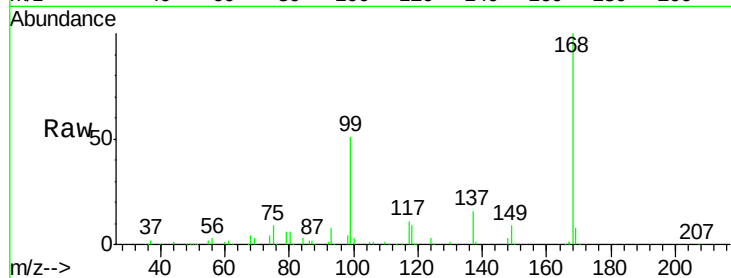
ClientSampleId :

Tot Ion:168 Resp: 107401

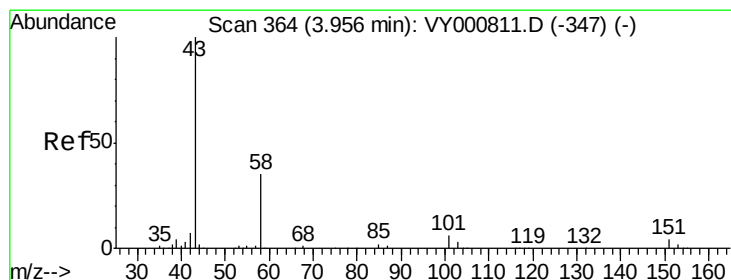
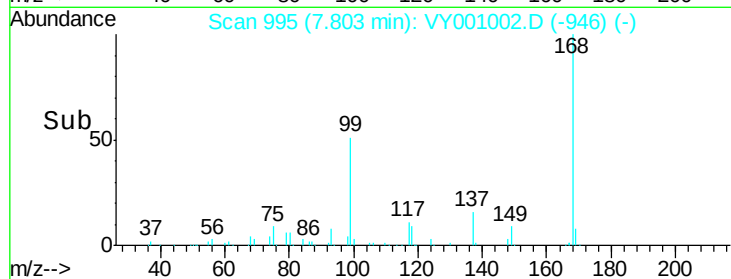
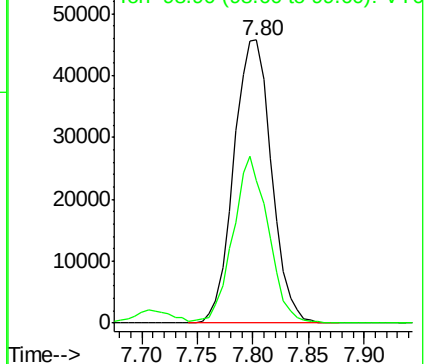
Ion Ratio Lower Upper

168 100

99 50.3 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY001002.D (-946) (-)



#16

Acetone

Concen: 1.33 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY001002.D

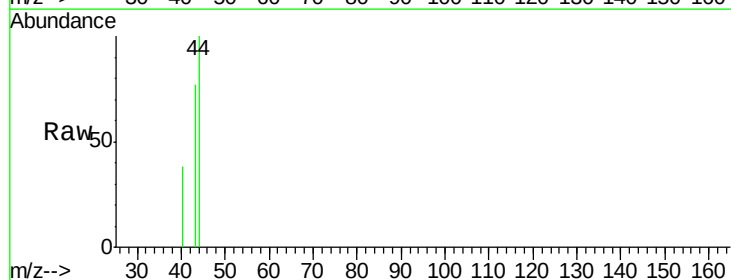
Acq: 18 Dec 2019 17:35

Tgt Ion: 43 Resp: 348

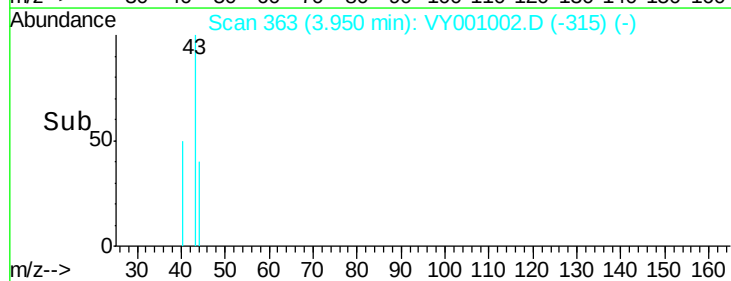
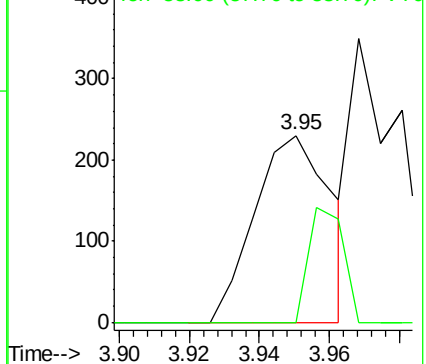
Ion Ratio Lower Upper

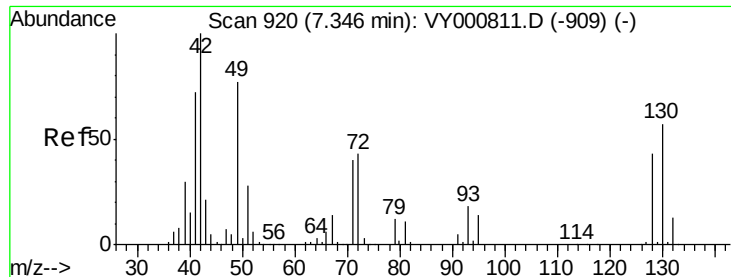
43 100

58 0.0 28.0 42.0#



Abundance Ion 43.00 (42.70 to 43.70): VY001002.D (-315) (-)





#28

Bromochloromethane

Concen: 2.25 ug/l

RT: 7.52 min Scan# 948

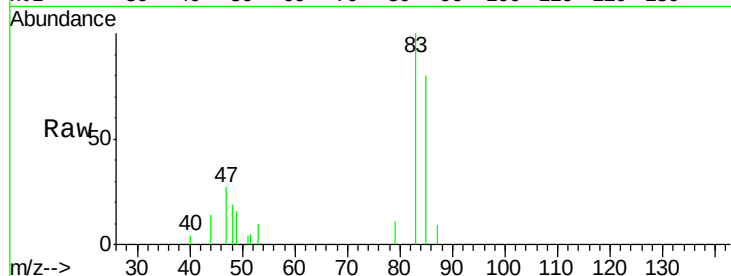
Delta R.T. 0.17 min

Lab File: VY001002.D

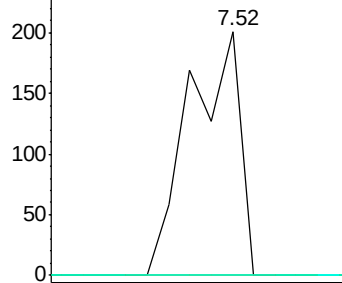
Acq: 18 Dec 2019 17:35

Instrument :
MSVOA_Y
ClientSampled :

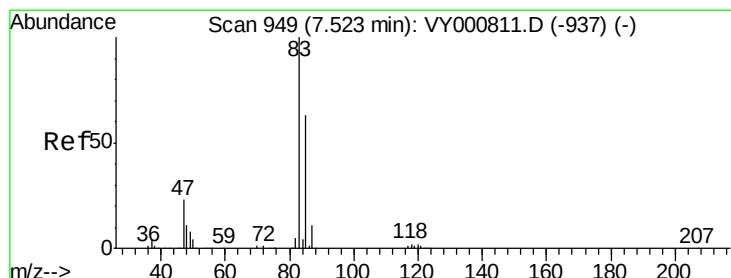
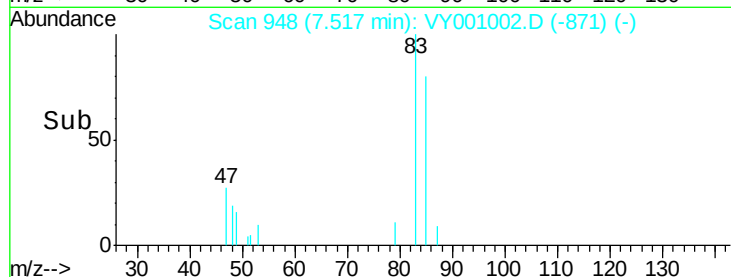
Tot Ion: 49 Resp: 203
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.7 88.1#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0



Time-->



#30

Chloroform

Concen: 1.64 ug/l

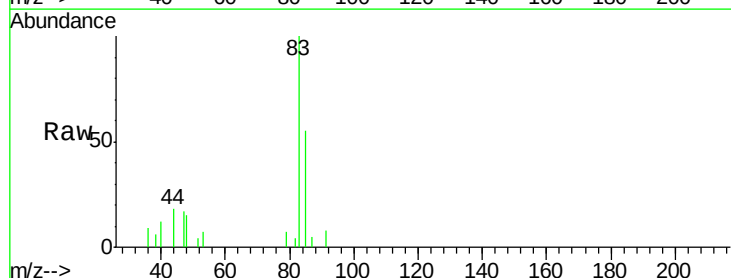
RT: 7.52 min Scan# 949

Delta R.T. -0.00 min

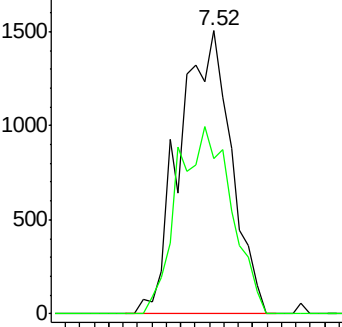
Lab File: VY001002.D

Acq: 18 Dec 2019 17:35

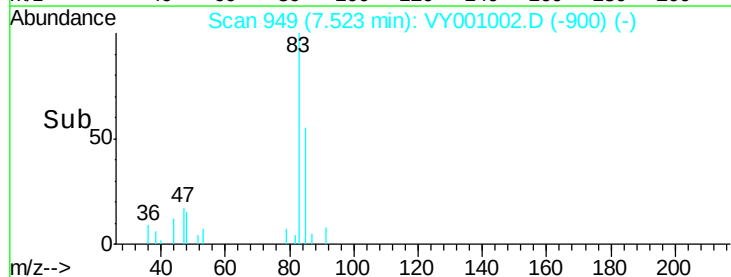
Tgt Ion: 83 Resp: 3761
Ion Ratio Lower Upper
83 100
85 54.9 50.4 75.6

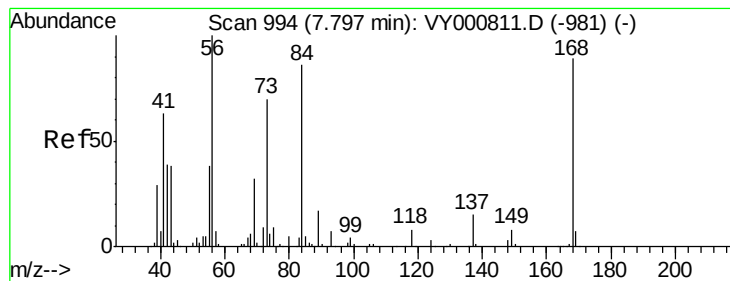


Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0



Time-->





#31

Cyclohexane

Concen: 1.03 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

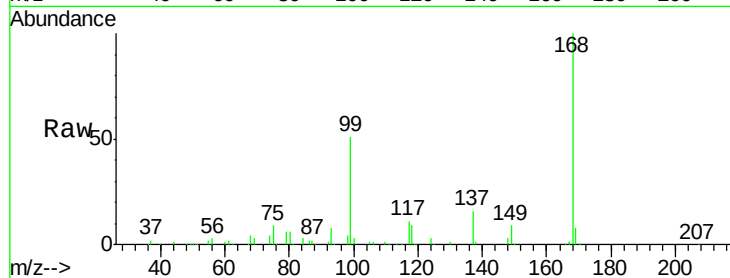
Lab File: VY001002.D

Acq: 18 Dec 2019 17:35

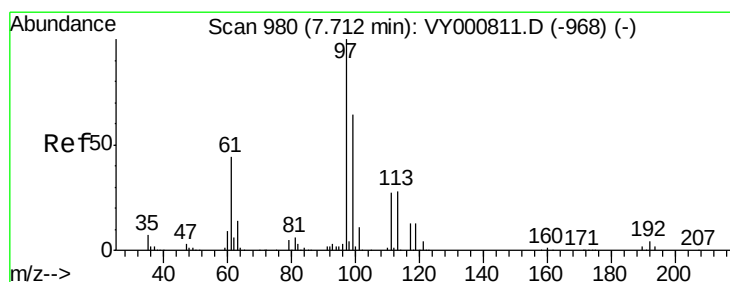
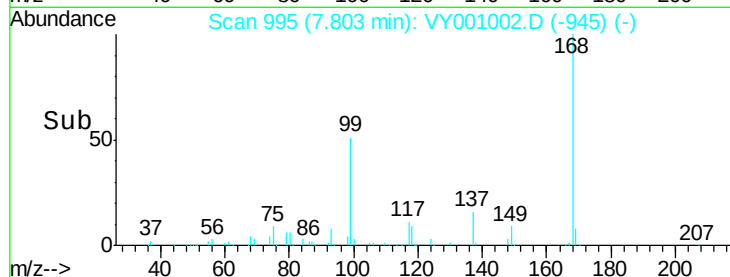
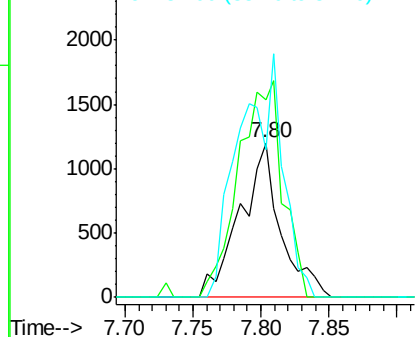
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 2492

Ion	Ratio	Lower	Upper
56	100		
69	128.0	25.9	38.9#
84	95.8	68.6	102.8



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



#32

1,1,1-Trichloroethane

Concen: 4.37 ug/l

RT: 7.71 min Scan# 979

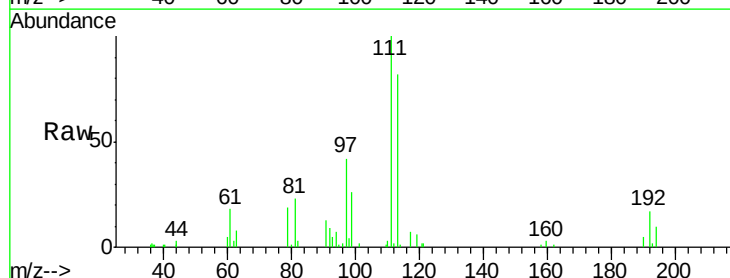
Delta R.T. -0.01 min

Lab File: VY001002.D

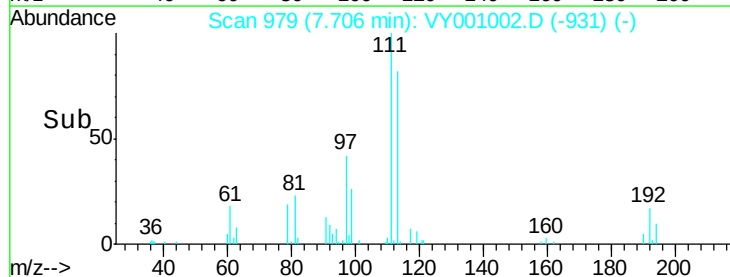
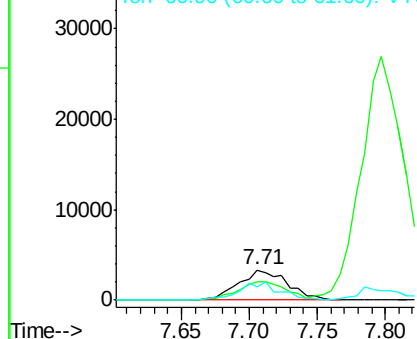
Acq: 18 Dec 2019 17:35

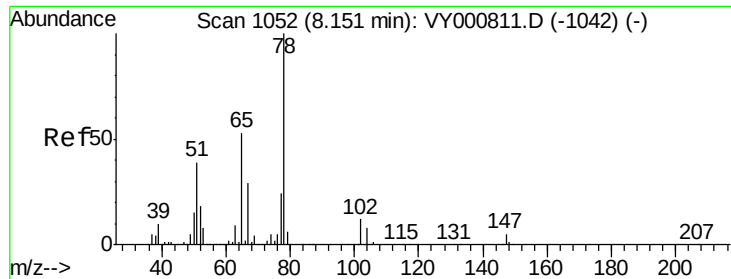
Tgt Ion: 97 Resp: 8276

Ion	Ratio	Lower	Upper
97	100		
99	61.0	51.7	77.5
61	50.1	35.0	52.6



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0

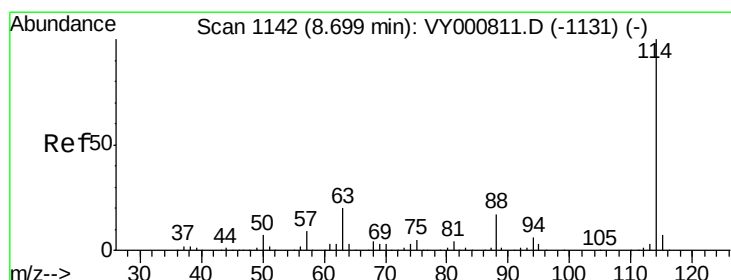
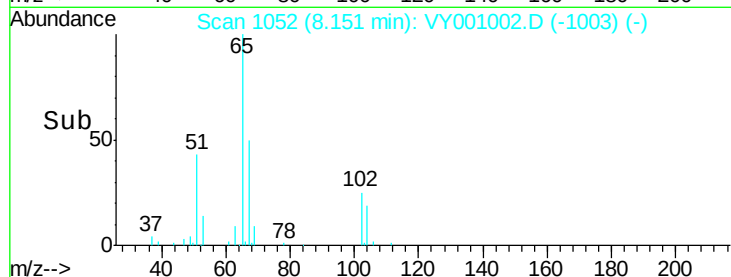
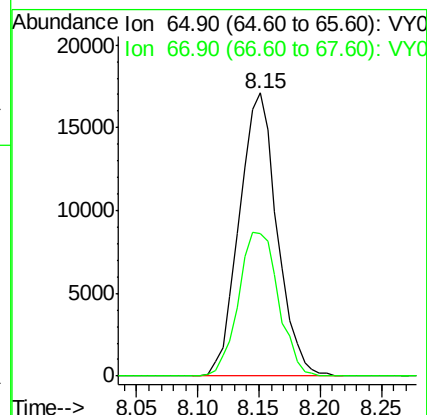
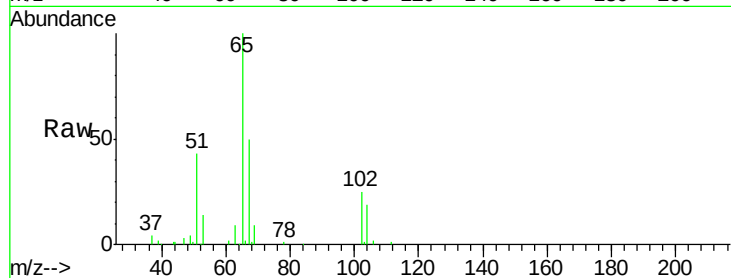




#33
 1,2-Dichloroethane-d4
 Concen: 32.13 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY001002.D
 Acq: 18 Dec 2019 17:35

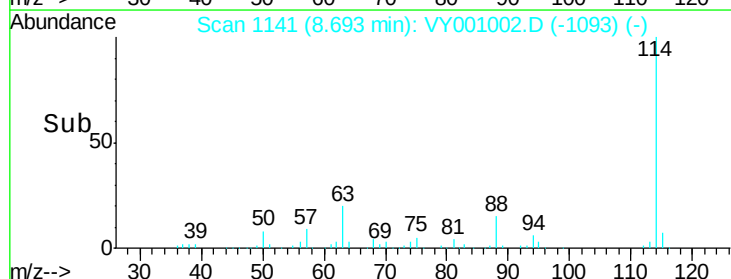
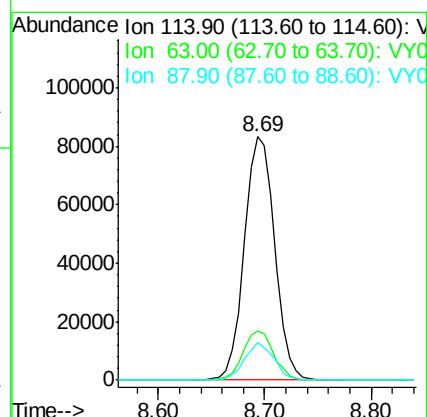
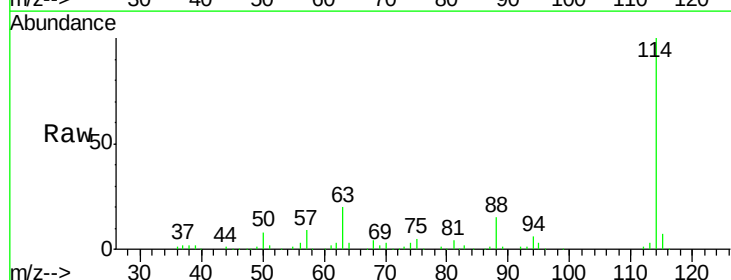
Instrument :
 MSVOA_Y
 ClientSampleId :

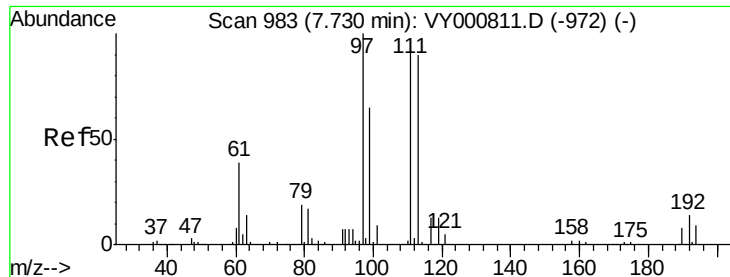
Tot Ion: 65 Resp: 36673
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY001002.D
 Acq: 18 Dec 2019 17:35

Tgt Ion: 114 Resp: 166966
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.8
 88 15.3 0.0 33.2

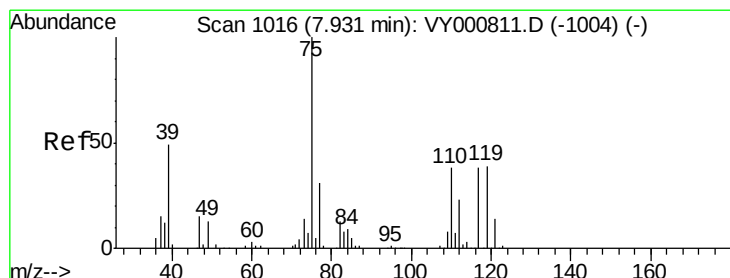
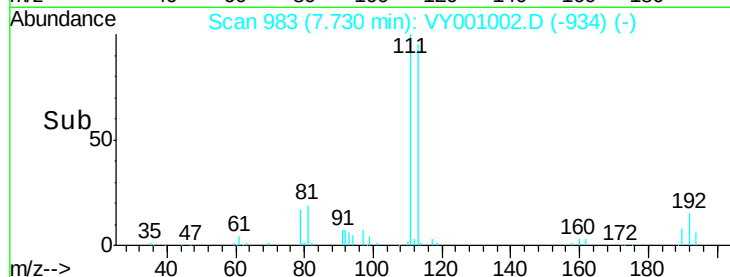
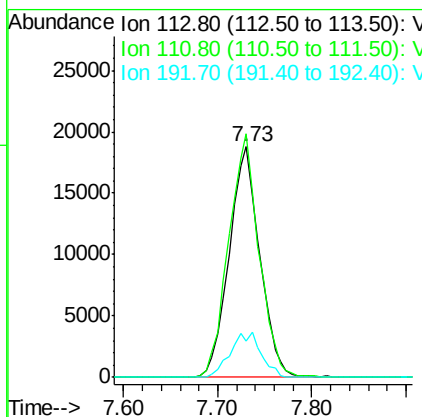
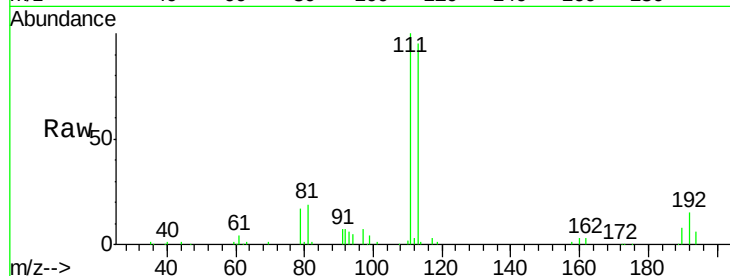




#35
Dibromofluoromethane
Concen: 43.50 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY001002.D
Acq: 18 Dec 2019 17:35

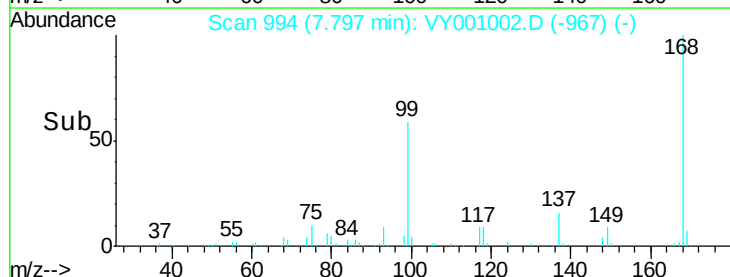
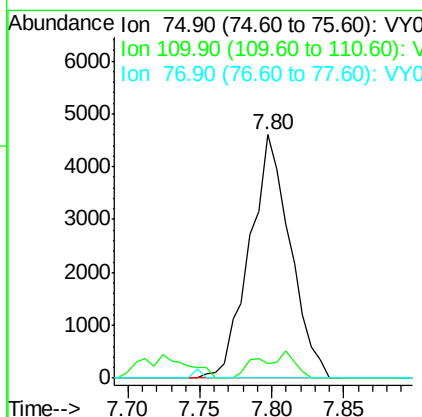
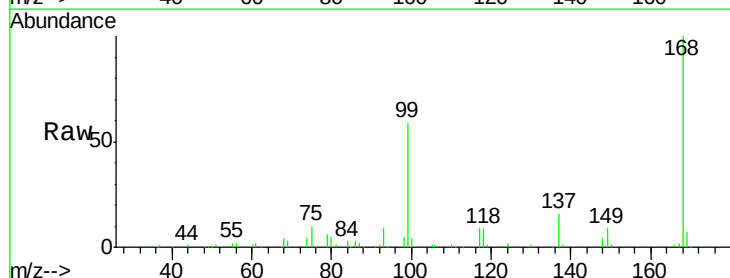
Instrument :
MSVOA_Y
ClientSampled :

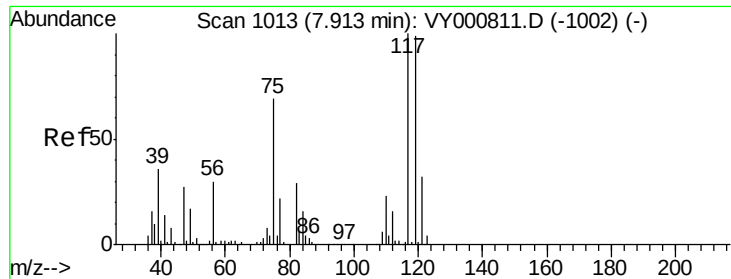
Tot Ion:113 Resp: 42326
Ion Ratio Lower Upper
113 100
111 105.0 82.4 123.6
192 19.6 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.42 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.13 min
Lab File: VY001002.D
Acq: 18 Dec 2019 17:35

Tgt Ion: 75 Resp: 9001
Ion Ratio Lower Upper
75 100
110 4.5 17.9 53.7#
77 0.0 24.7 37.1#

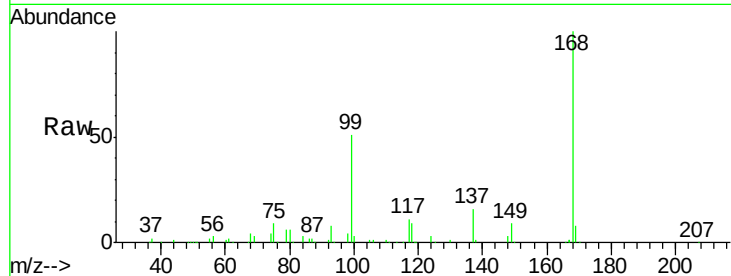




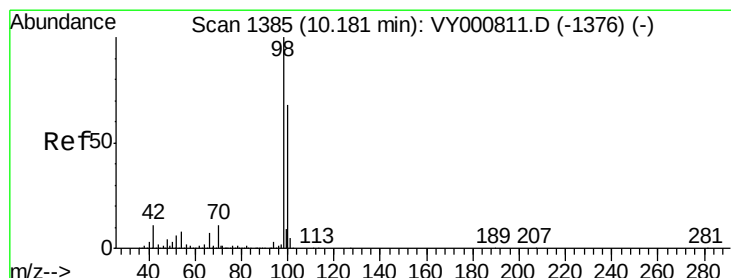
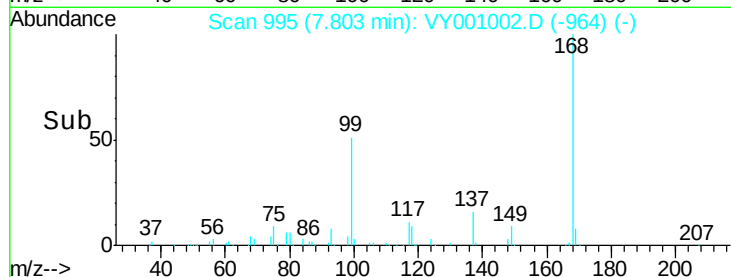
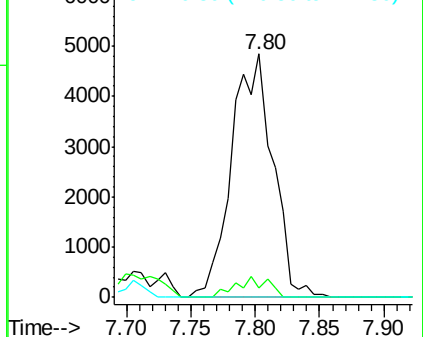
#38
Carbon Tetrachloride
Concen: 7.30 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY001002.D
Acq: 18 Dec 2019 17:35

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 10798
Ion Ratio Lower Upper
117 100
119 4.1 79.3 118.9#
121 0.0 25.5 38.3#

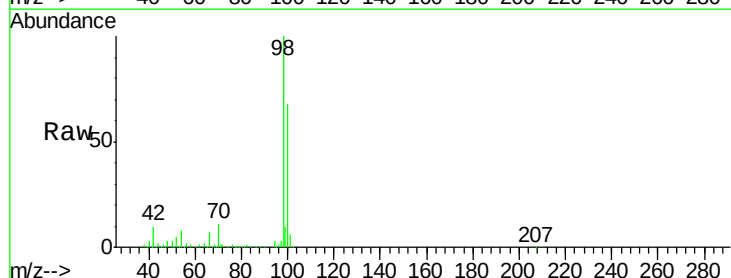


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

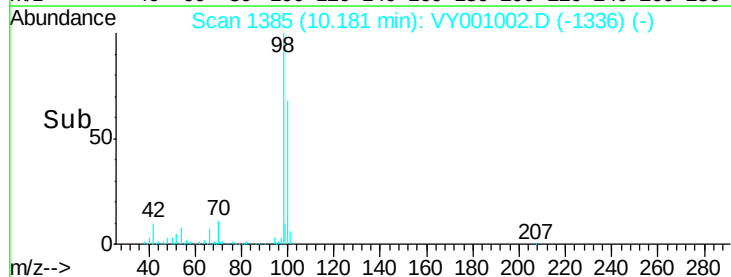
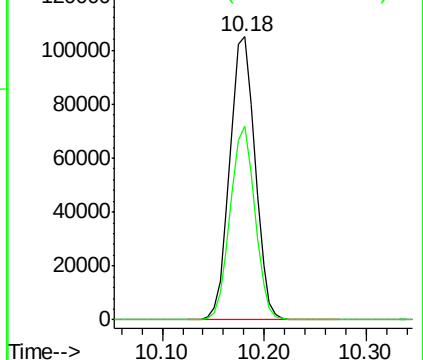


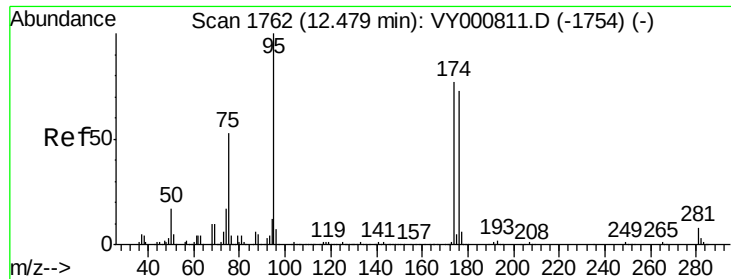
#50
Toluene-d8
Concen: 46.34 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY001002.D
Acq: 18 Dec 2019 17:35

Tgt Ion: 98 Resp: 180271
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7



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

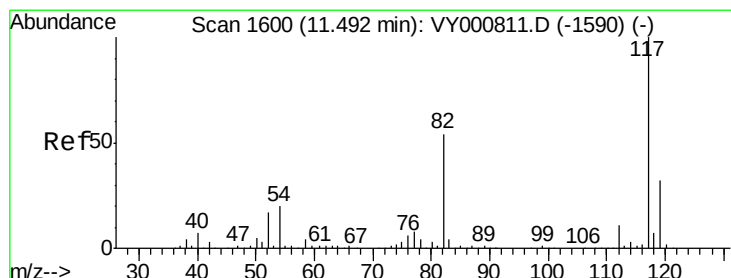
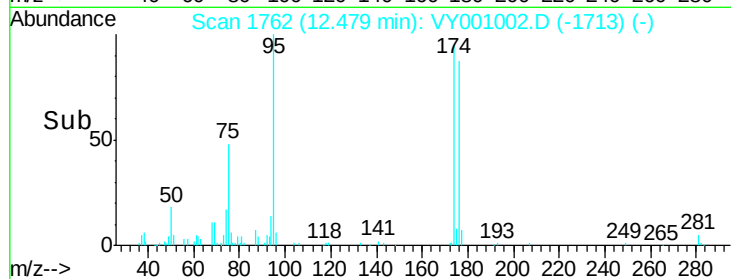
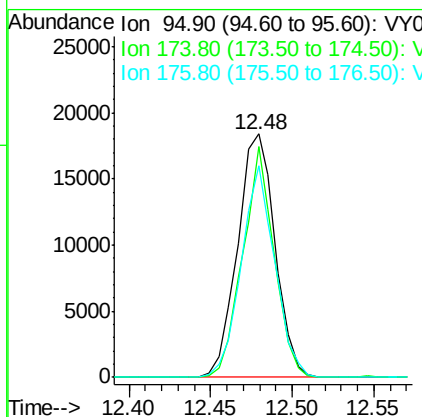
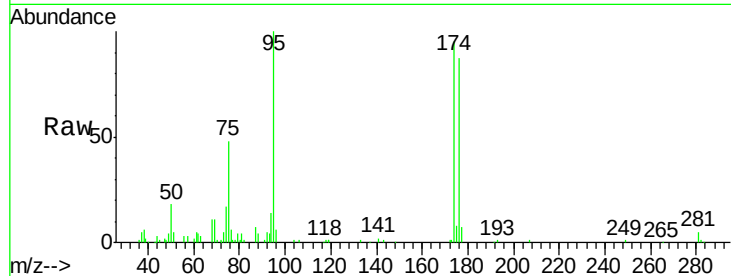




#62
4-Bromofluorobenzene
Concen: 20.17 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY001002.D
Acq: 18 Dec 2019 17:35

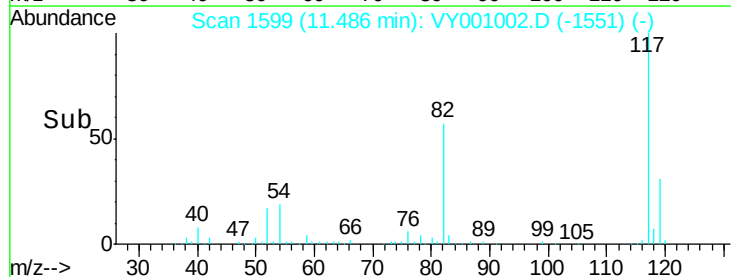
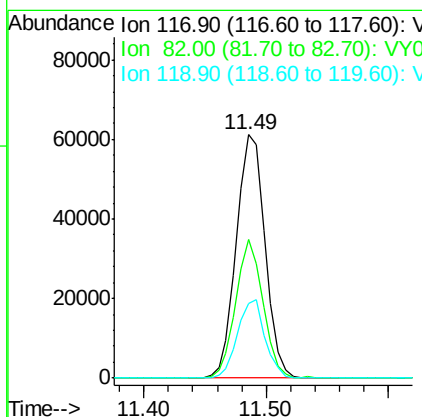
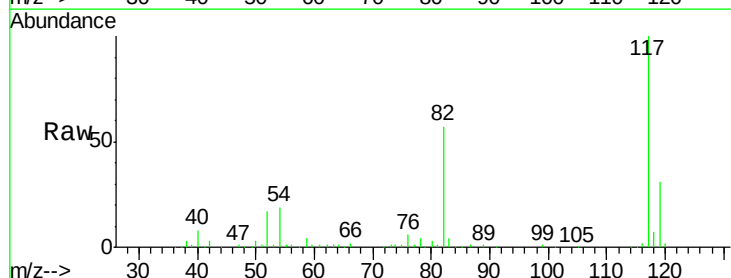
Instrument :
MSVOA_Y
ClientSampleId :

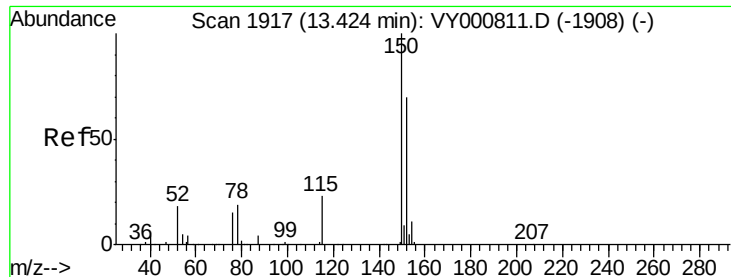
Tot Ion	95	Resp	29465
Ion Ratio	100	Lower	Upper
174	79.3	0.0	150.6
176	77.9	0.0	145.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY001002.D
Acq: 18 Dec 2019 17:35

Tgt Ion	117	Resp	99343
Ion Ratio	100	Lower	Upper
82	57.2	43.1	64.7
119	30.8	25.3	37.9



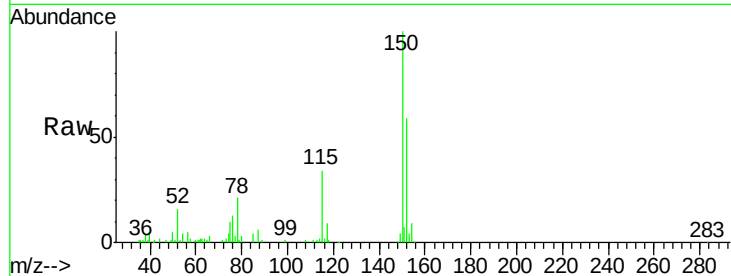


#72

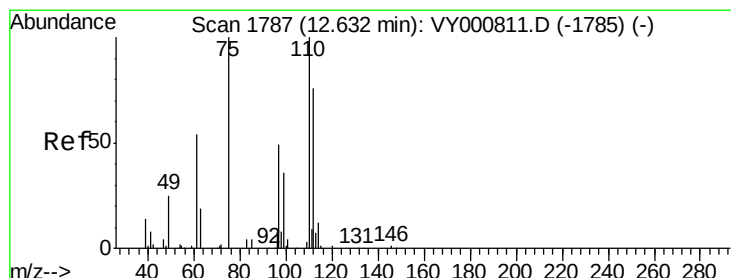
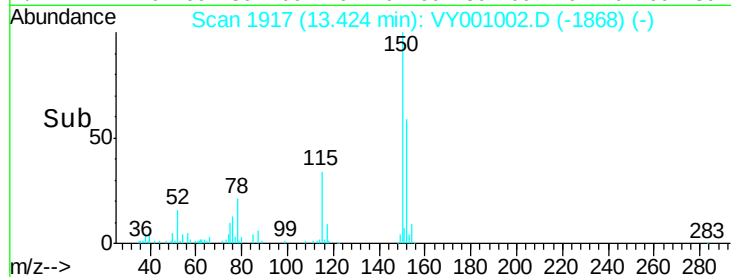
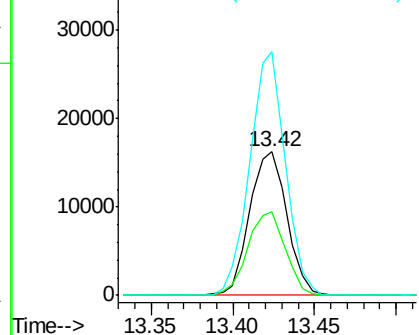
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY001002.D
Acq: 18 Dec 2019 17:35

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 25806
Ion Ratio Lower Upper
152 100
115 58.7 29.3 87.8
150 162.3 0.0 351.2



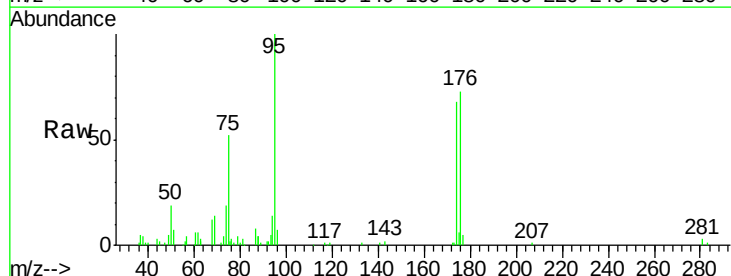
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



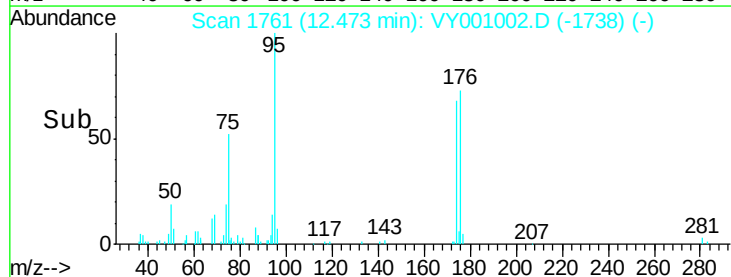
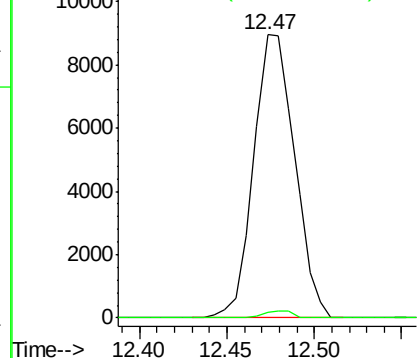
#76

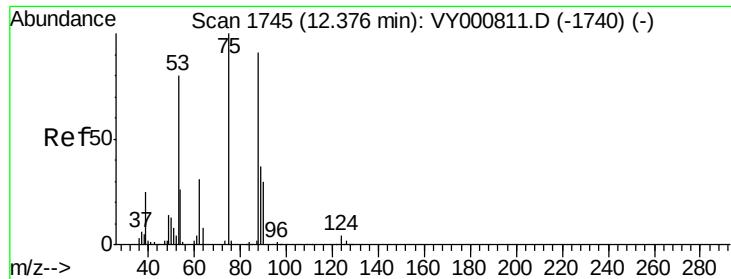
1,2,3-Trichloropropane
Concen: 49.97 ug/l
RT: 12.47 min Scan# 1761
Delta R.T. -0.16 min
Lab File: VY001002.D
Acq: 18 Dec 2019 17:35

Tgt Ion: 75 Resp: 14610
Ion Ratio Lower Upper
75 100
77 1.7 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: 98.15 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. 0.10 min

Lab File: VY001002.D

Acq: 18 Dec 2019 17:35

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 14610

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.2 33.6 50.4#

