

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120319\
 Data File : VY000837.D
 Acq On : 03 Dec 2019 12:43
 Operator : SY/MD
 Sample : K6069-01RE
 Misc : 7.60G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 03 13:38:32 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	255870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	494735	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	424914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	188786	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	156012	57.38	ug/l	0.00
Spiked Amount			Recovery	=	114.76%	
35) Dibromofluoromethane	7.73	113	140969	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
50) Toluene-d8	10.18	98	575662	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.48	95	191862	44.32	ug/l	0.00
Spiked Amount			Recovery	=	88.64%	

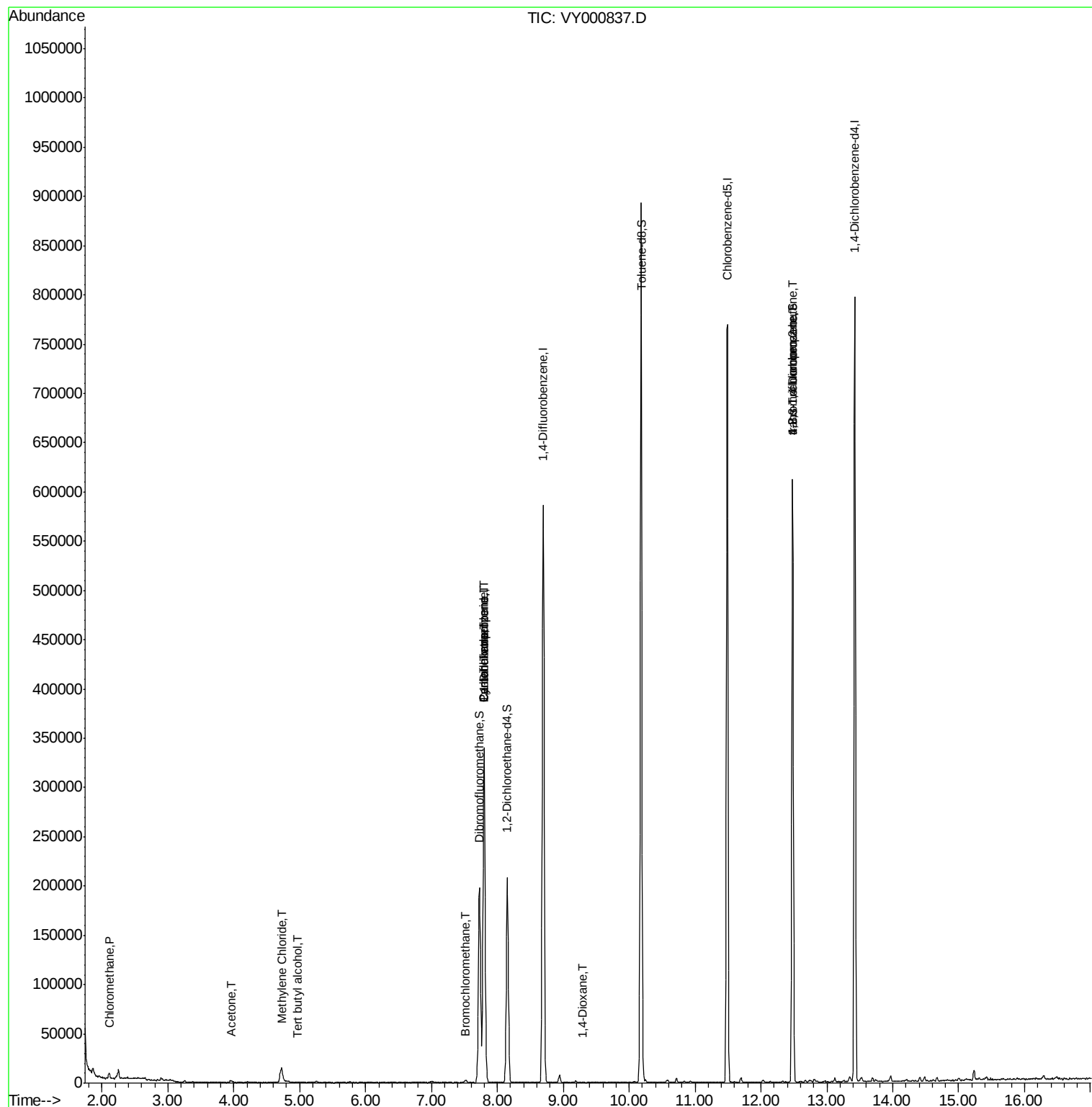
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	5126	1.510	ug/l #	79
5) Bromomethane	2.66	94	349	Below Cal	#	78
11) Tert butyl alcohol	4.96	59	314	1.148	ug/l #	74
16) Acetone	3.96	43	3655	5.860	ug/l	96
20) Methylene Chloride	4.72	84	11020	3.352	ug/l	97
28) Bromochloromethane	7.50	49	90	2.059	ug/l #	15
31) Cyclohexane	7.80	56	6323	1.095	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	20900	4.249	ug/l #	50
38) Carbon Tetrachloride	7.80	117	26366	6.018	ug/l #	14
49) 1,4-Dioxane	9.29	88	90	3.378	ug/l #	27
76) 1,2,3-Trichloropropane	12.48	75	96523	45.127	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	96523	88.642	ug/l #	17

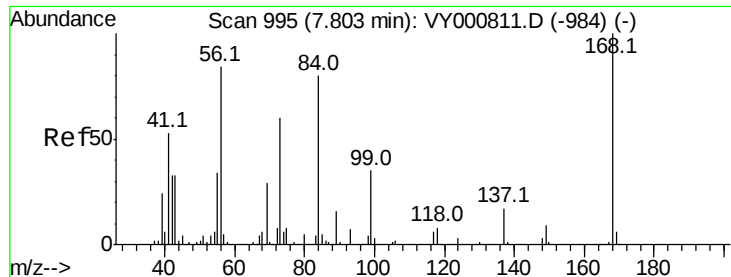
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000837.D

Acq: 03 Dec 2019 12:43

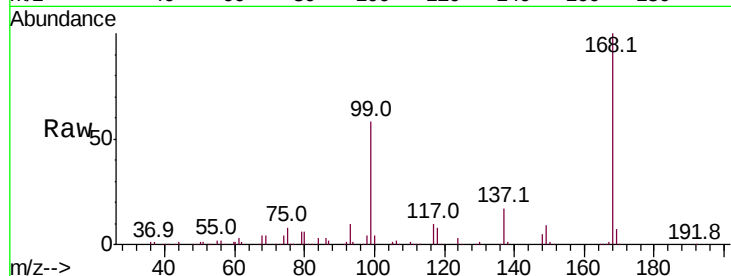
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 255870

Ion Ratio Lower Upper

168 100

99 58.4 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000811.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000811.D (-984) (-)

7.80

120000

100000

80000

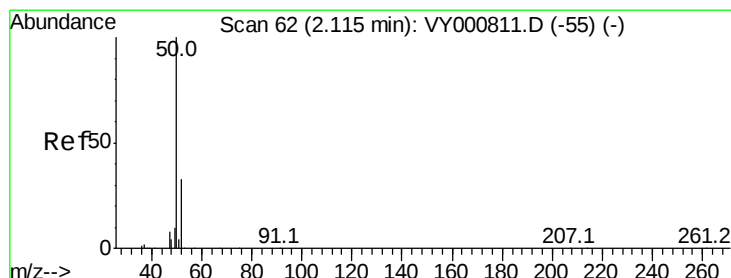
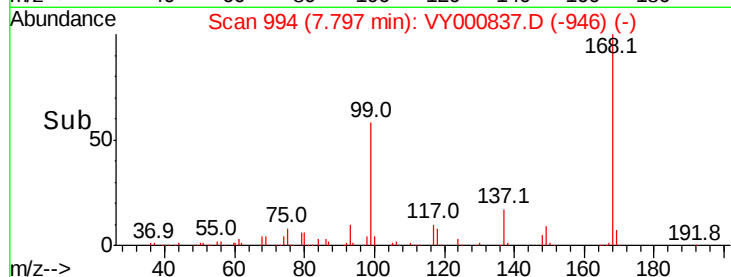
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 1.510 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000837.D

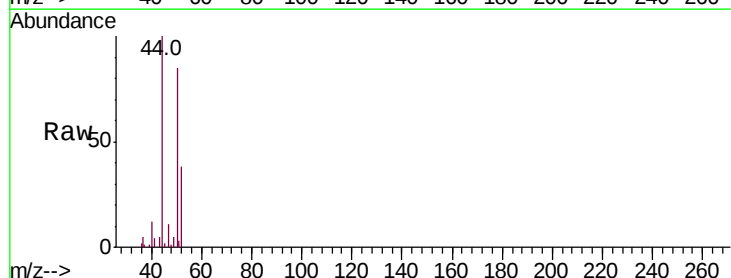
Acq: 03 Dec 2019 12:43

Tgt Ion: 50 Resp: 5126

Ion Ratio Lower Upper

50 100

52 44.5 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VY000811.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY000811.D (-55) (-)

2.11

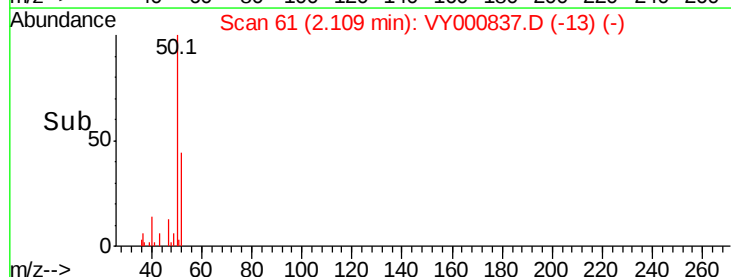
3000

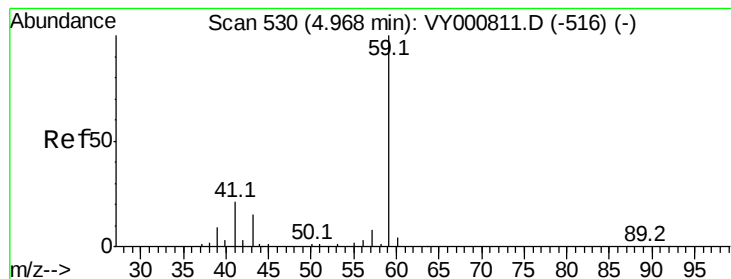
2000

1000

0

Time-->



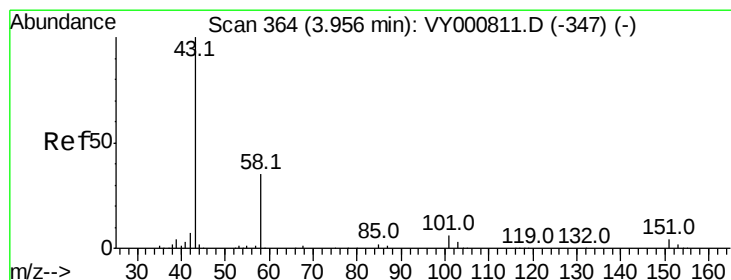
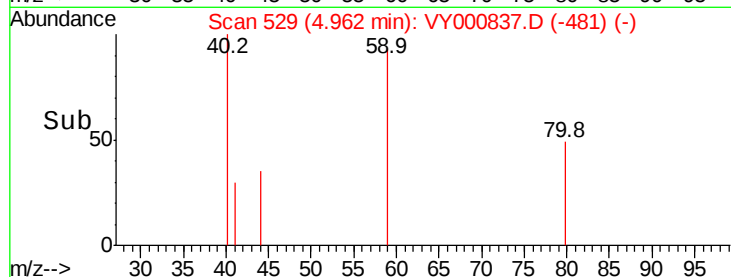
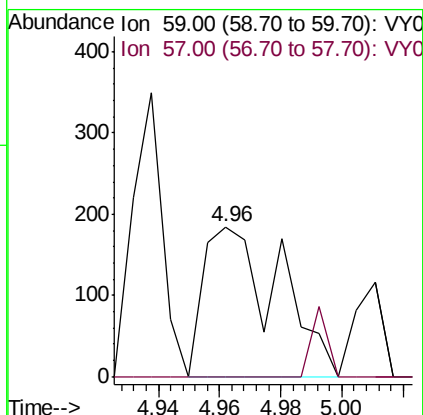
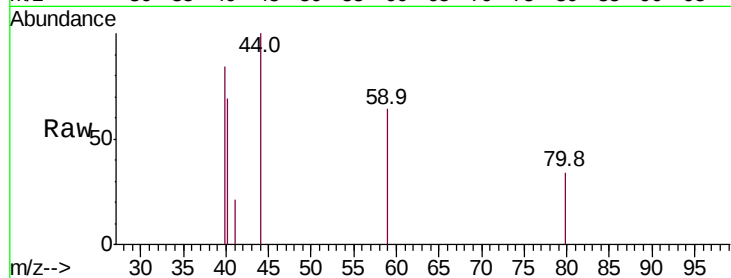


#11

Tert butyl alcohol
 Concen: 1.148 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY000837.D
 Acq: 03 Dec 2019 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :

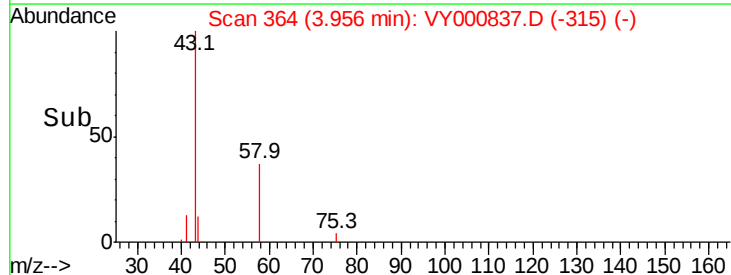
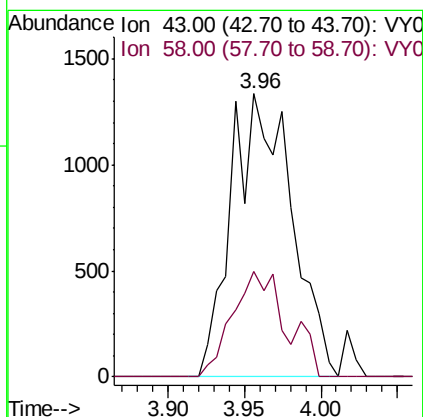
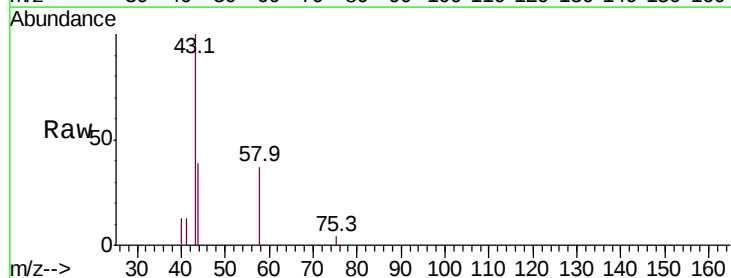
Tot Ion: 59 Resp: 314
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

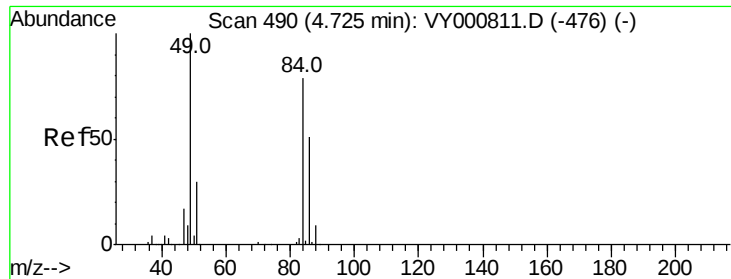


#16

Acetone
 Concen: 5.860 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VY000837.D
 Acq: 03 Dec 2019 12:43

Tgt Ion: 43 Resp: 3655
 Ion Ratio Lower Upper
 43 100
 58 37.2 28.0 42.0

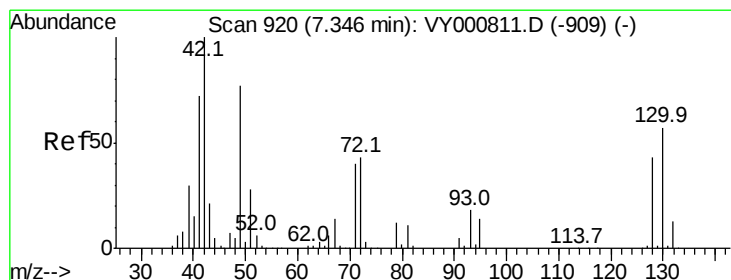
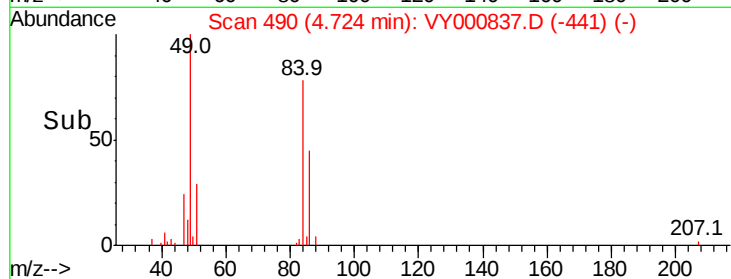
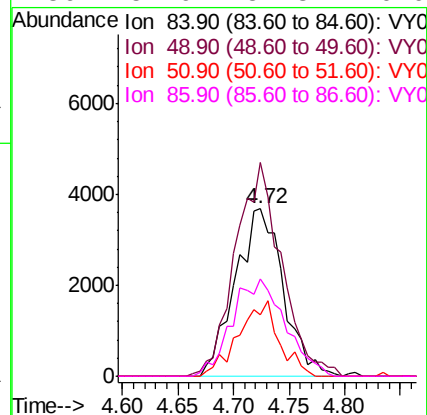
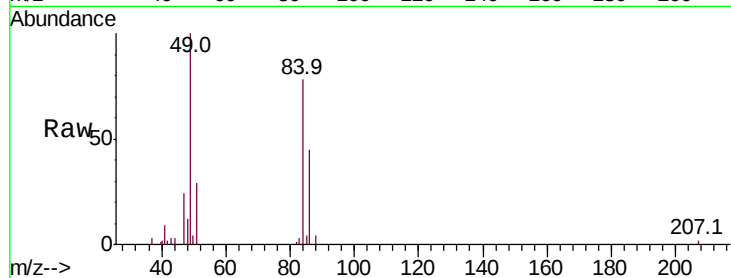




#20
Methylene Chloride
Concen: 3.352 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY000837.D
Acq: 03 Dec 2019 12:43

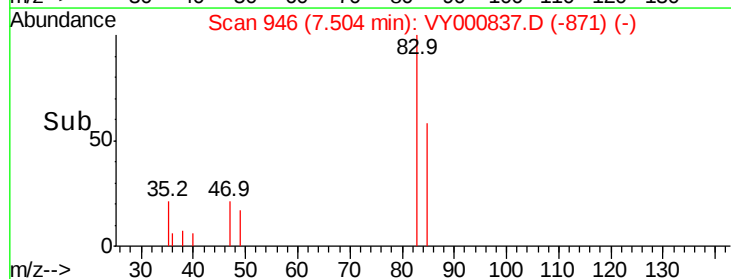
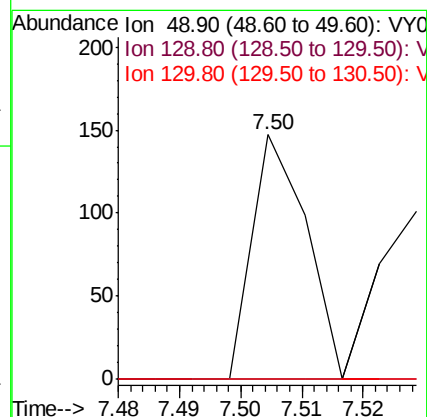
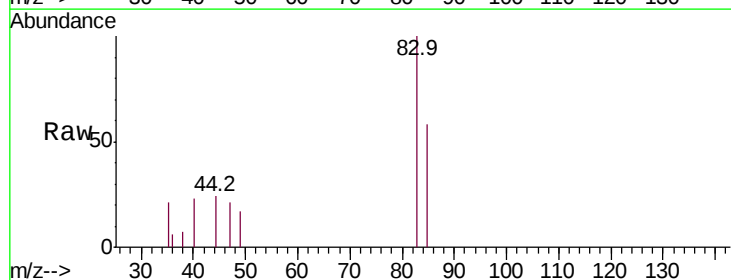
Instrument :
MSVOA_Y
ClientSampleId :

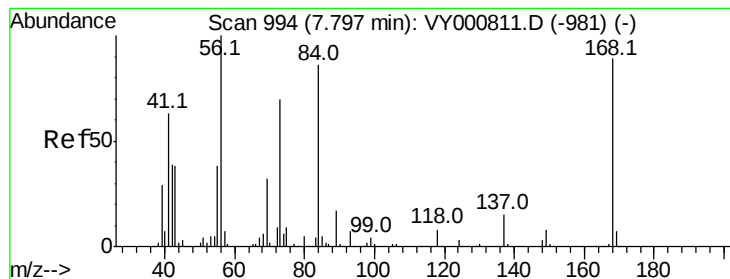
Tot Ion:	84	Resp:	11020
Ion	Ratio	Lower	Upper
84	100		
49	127.6	101.3	151.9
51	37.0	30.6	45.8
86	57.9	51.3	76.9



#28
Bromochloromethane
Concen: 2.059 ug/l
RT: 7.50 min Scan# 946
Delta R.T. 0.16 min
Lab File: VY000837.D
Acq: 03 Dec 2019 12:43

Tgt Ion:	49	Resp:	90
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	58.7	88.1#





#31

Cyclohexane

Concen: 1.095 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

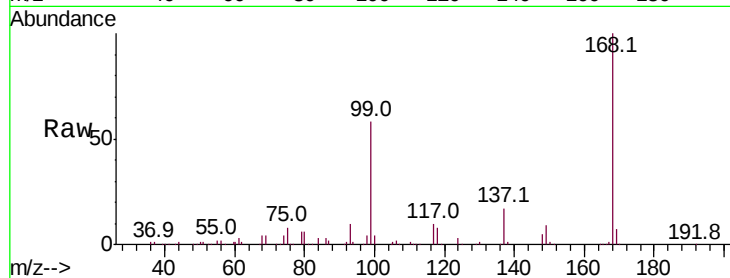
Lab File: VY000837.D

Acq: 03 Dec 2019 12:43

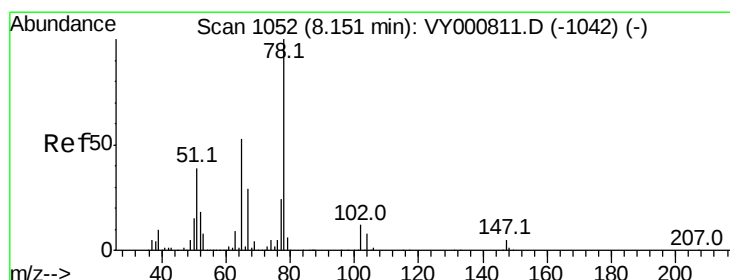
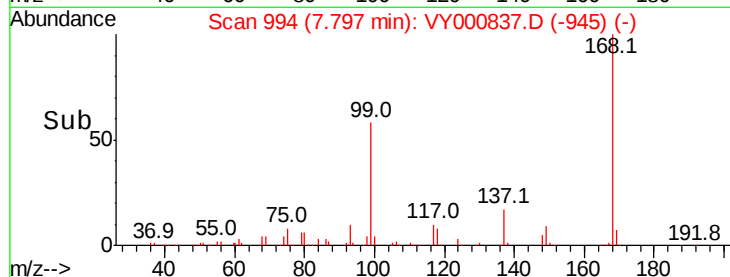
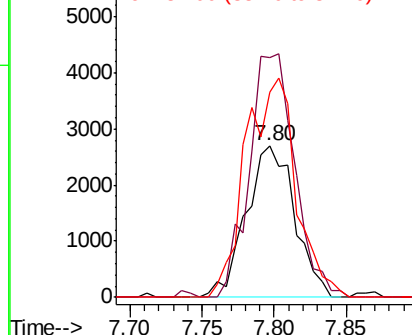
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 6323

Ion	Ratio	Lower	Upper
56	100		
69	155.3	25.9	38.9#
84	135.1	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



#33

1,2-Dichloroethane-d4

Concen: 57.382 ug/l

RT: 8.15 min Scan# 1052

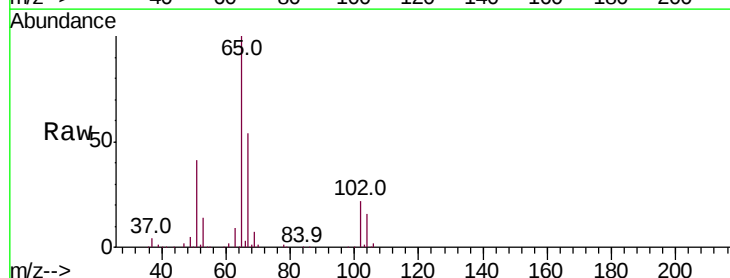
Delta R.T. -0.00 min

Lab File: VY000837.D

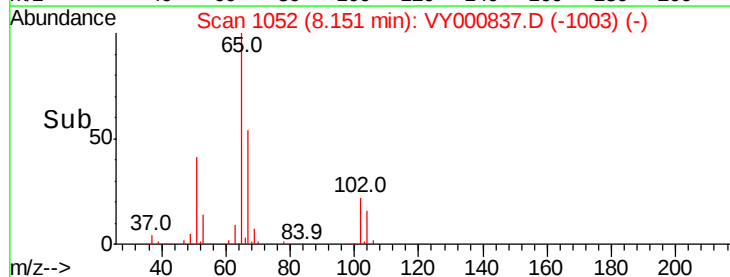
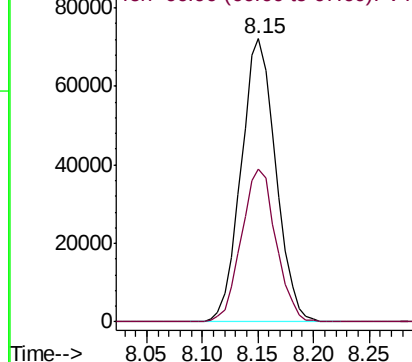
Acq: 03 Dec 2019 12:43

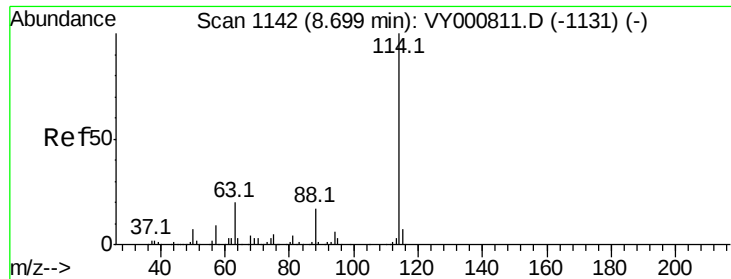
Tgt Ion: 65 Resp: 156012

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	112.0



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

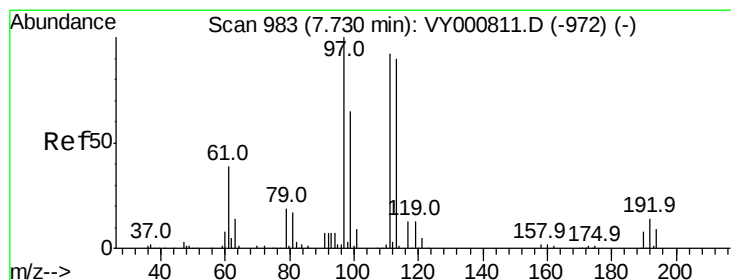
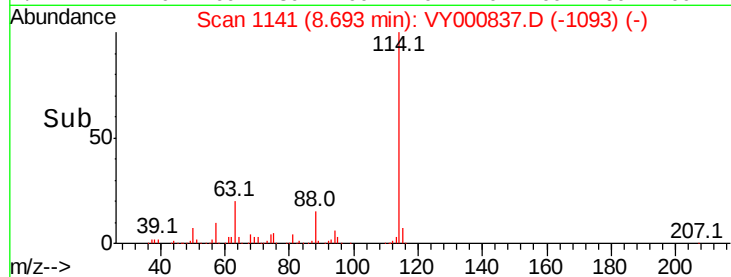
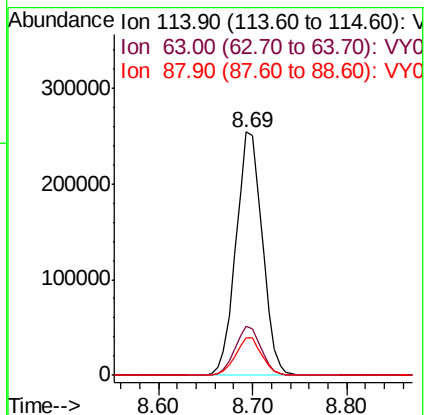
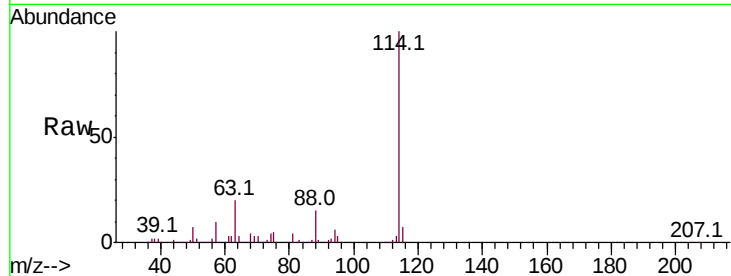




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.69 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VY000837.D
Acq: 03 Dec 2019 12:43

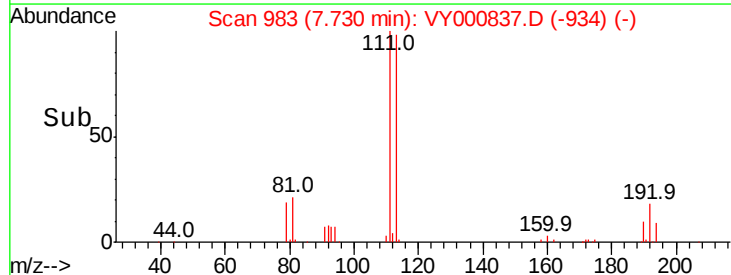
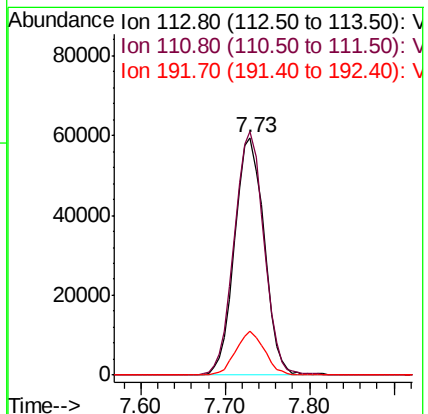
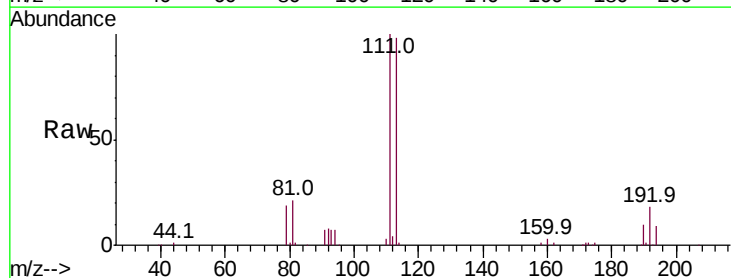
Instrument :
MSVOA_Y
ClientSampleId :

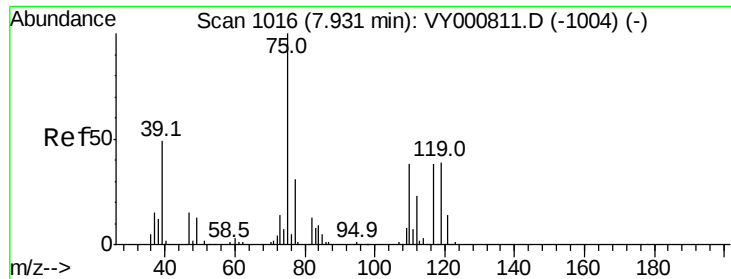
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.8
88	15.5	0.0	33.2



#35
Dibromofluoromethane
Concen: 48.891 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000837.D
Acq: 03 Dec 2019 12:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.4	123.6
192	17.8	14.2	21.2

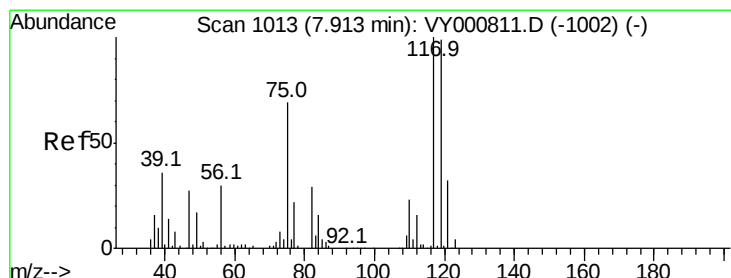
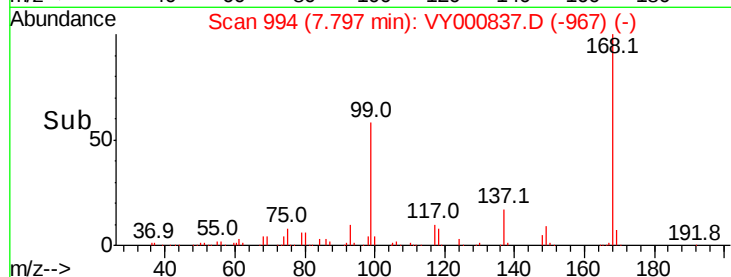
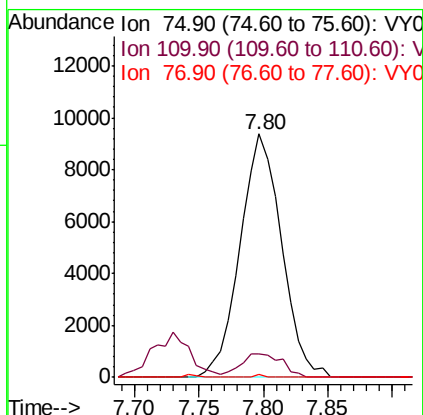
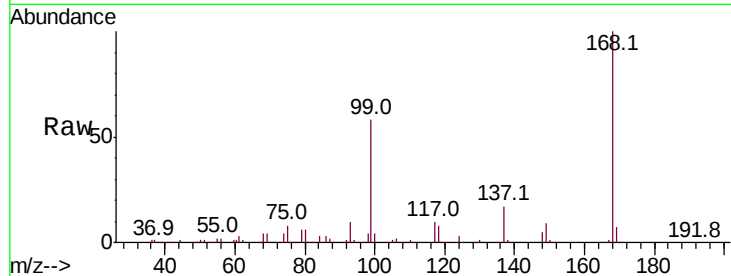




#36
 1,1-Dichloropropene
 Concen: 4.249 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000837.D
 Acq: 03 Dec 2019 12:43

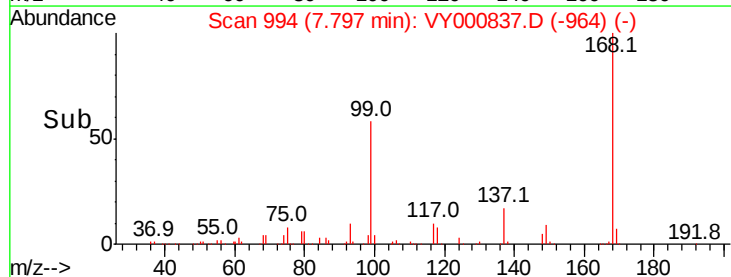
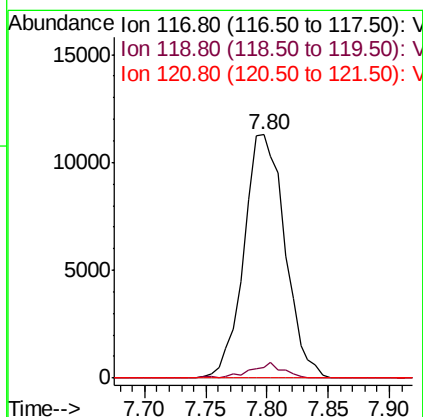
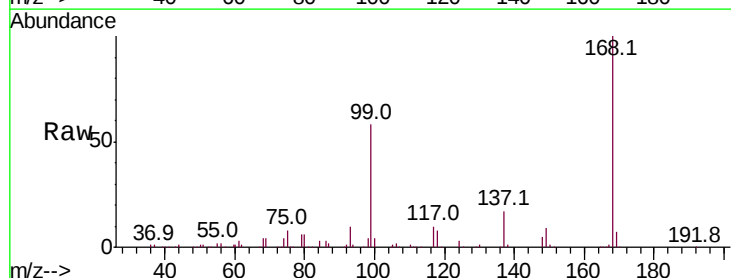
Instrument :
 MSVOA_Y
 ClientSampleId :

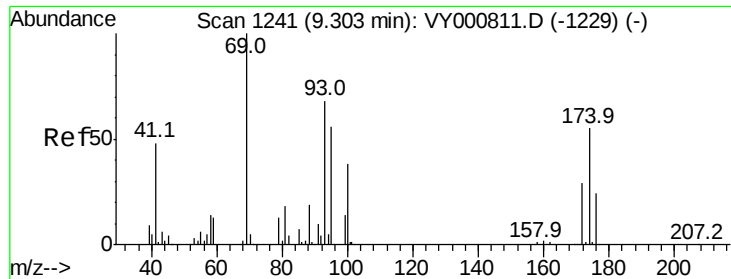
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.9	53.7#
77	0.2	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.018 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000837.D
 Acq: 03 Dec 2019 12:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	79.3	118.9#
121	0.0	25.5	38.3#

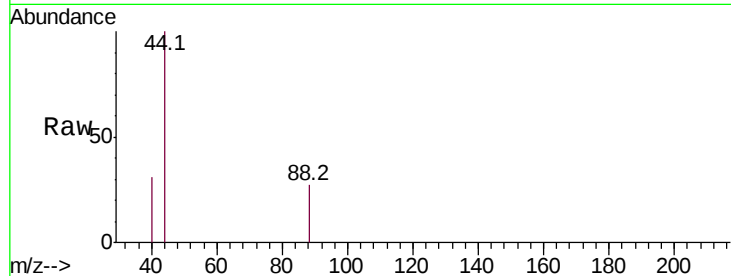




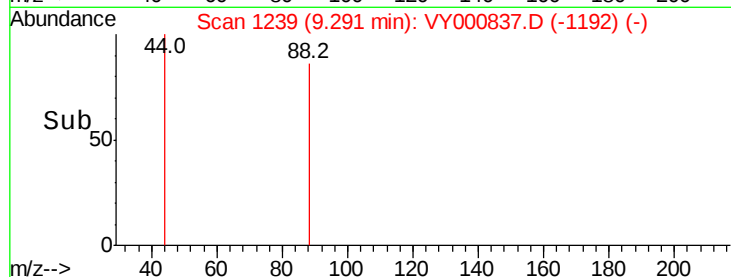
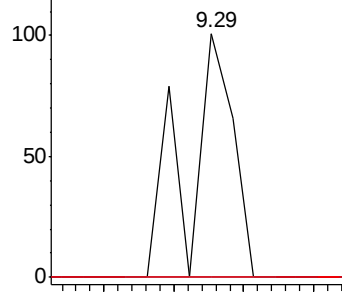
#49
1,4-Dioxane
Concen: 3.378 ug/l
RT: 9.29 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VY000837.D
Acq: 03 Dec 2019 12:43

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 88 Resp: 90
Ion Ratio Lower Upper
88 100
43 0.0 21.1 31.7#
58 0.0 50.7 76.1#

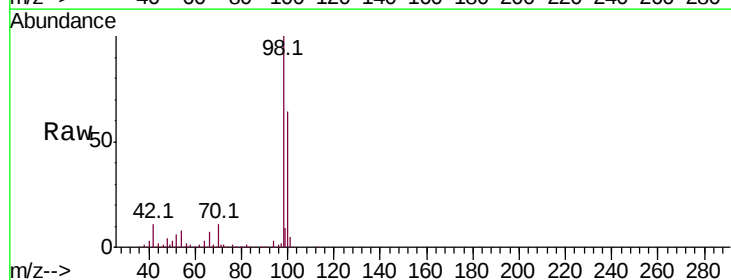
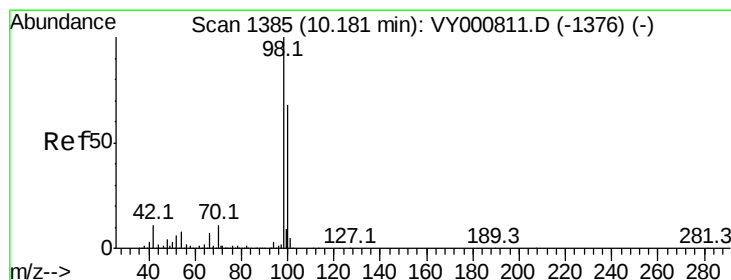


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

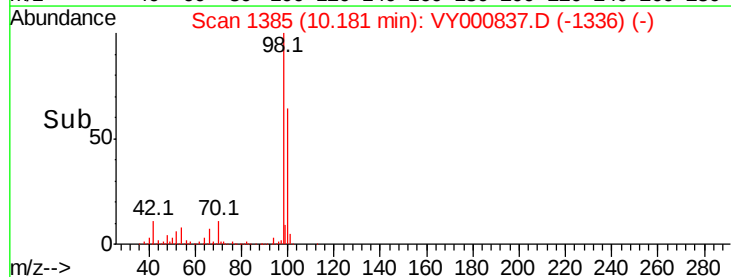
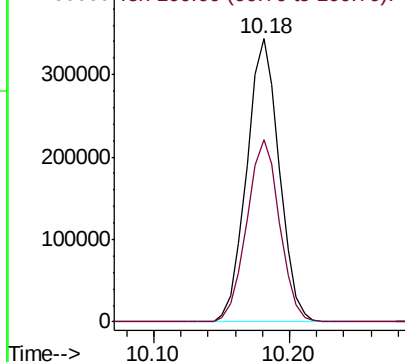


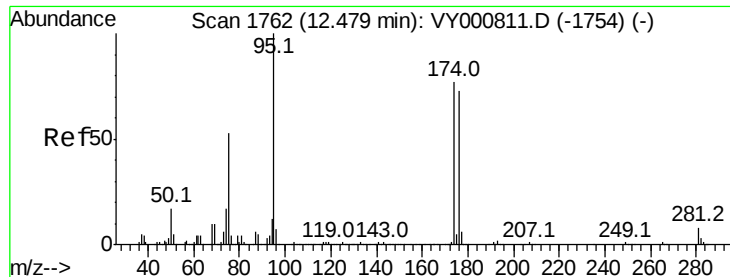
#50
Toluene-d8
Concen: 49.939 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000837.D
Acq: 03 Dec 2019 12:43

Tgt Ion: 98 Resp: 575662
Ion Ratio Lower Upper
98 100
100 64.9 53.1 79.7



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





#62

4-Bromofluorobenzene

Concen: 44.319 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000837.D

Acq: 03 Dec 2019 12:43

Instrument :

MSVOA_Y

ClientSampleId :

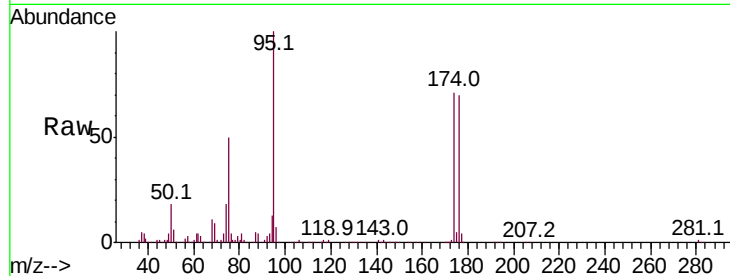
Tot Ion: 95 Resp: 191862

Ion Ratio Lower Upper

95 100

174 75.0 0.0 150.6

176 72.6 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VY000837.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY000837.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY000837.D (-1754) (-)

12.48

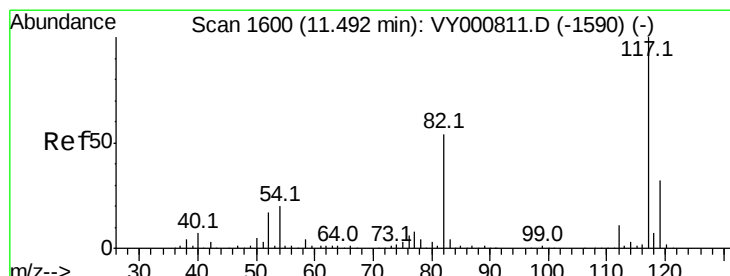
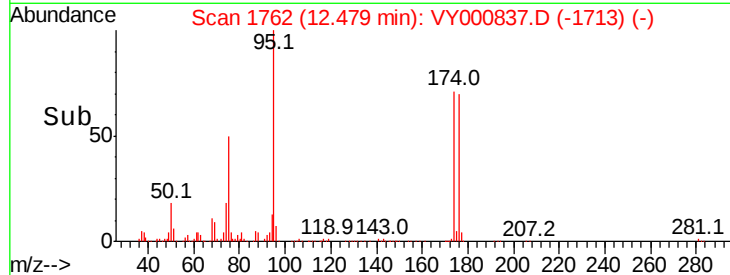
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY000837.D

Acq: 03 Dec 2019 12:43

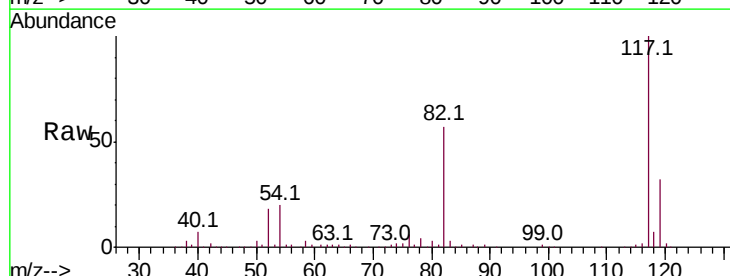
Tgt Ion: 117 Resp: 424914

Ion Ratio Lower Upper

117 100

82 56.5 43.1 64.7

119 32.2 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VY000837.D (-1590) (-)

Ion 82.00 (81.70 to 82.70): VY000837.D (-1590) (-)

Ion 118.90 (118.60 to 119.60): VY000837.D (-1590) (-)

11.49

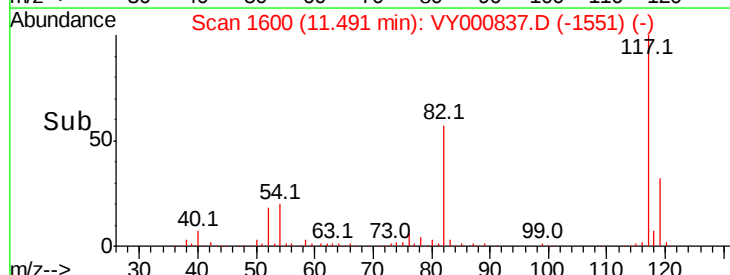
300000

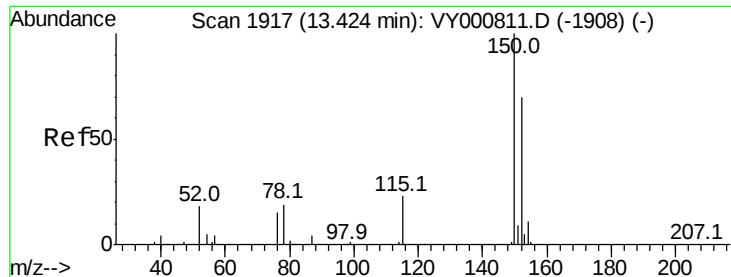
200000

100000

0

Time-->



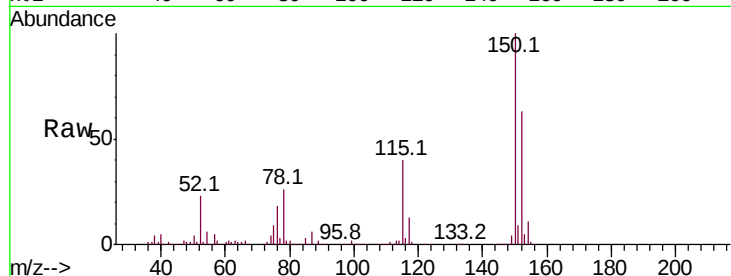


#72

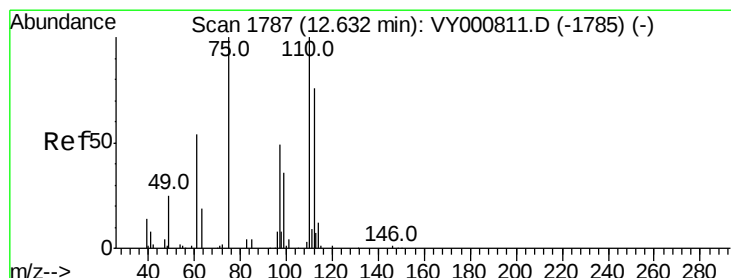
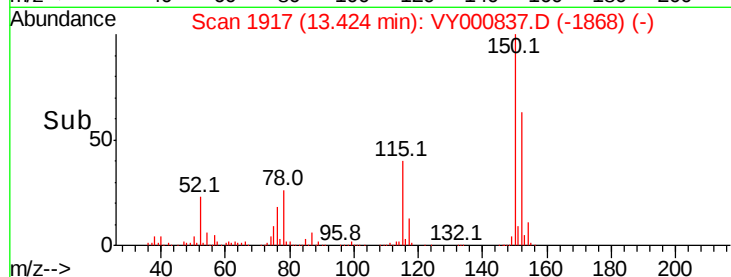
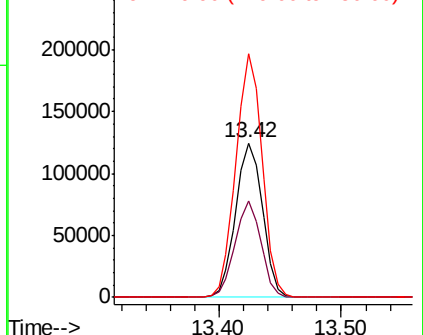
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000837.D
Acq: 03 Dec 2019 12:43

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:152 Resp: 188786
Ion Ratio Lower Upper
152 100
115 60.5 29.3 87.8
150 154.5 0.0 351.2



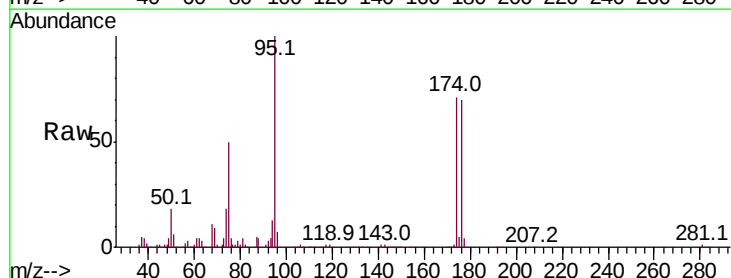
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



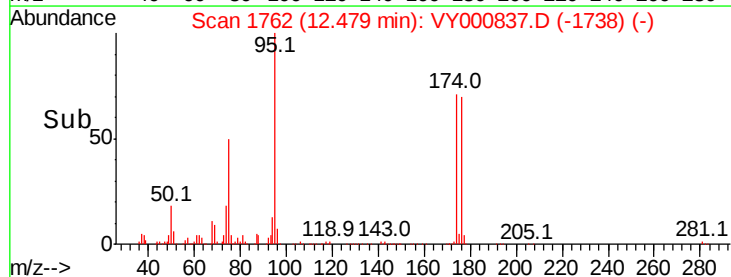
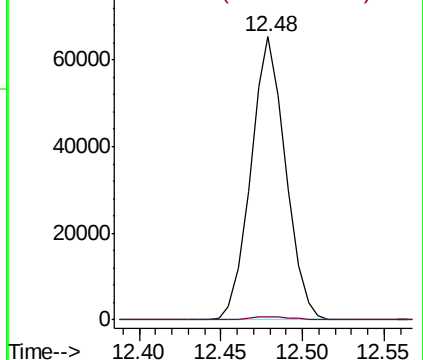
#76

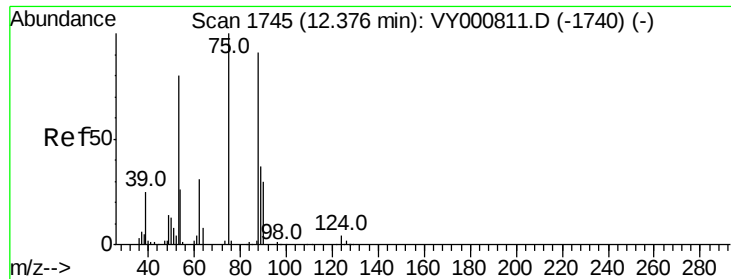
1,2,3-Trichloropropane
Concen: 45.127 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000837.D
Acq: 03 Dec 2019 12:43

Tgt Ion: 75 Resp: 96523
Ion Ratio Lower Upper
75 100
77 1.4 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: 88.642 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000837.D

Acq: 03 Dec 2019 12:43

Instrument :

MSVOA_Y

ClientSampleId :

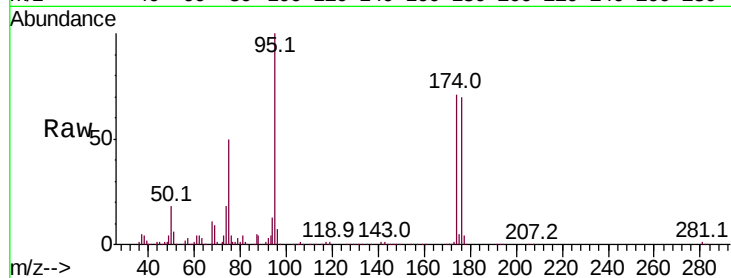
Tot Ion: 75 Resp: 96523

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.0 33.6 50.4#



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

