

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120319\
 Data File : VY000833.D
 Acq On : 03 Dec 2019 11:01
 Operator : SY/MD
 Sample : VY1203SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 03 12:03:13 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	273866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	512469	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	450857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	201794	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	165005	56.70	ug/l	0.00
Spiked Amount						
			Recovery	=	113.40%	
35) Dibromofluoromethane	7.72	113	151753	50.81	ug/l	0.00
Spiked Amount						
			Recovery	=	101.62%	
50) Toluene-d8	10.18	98	591490	49.54	ug/l	0.00
Spiked Amount						
			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.48	95	206345	46.02	ug/l	0.00
Spiked Amount						
			Recovery	=	92.04%	

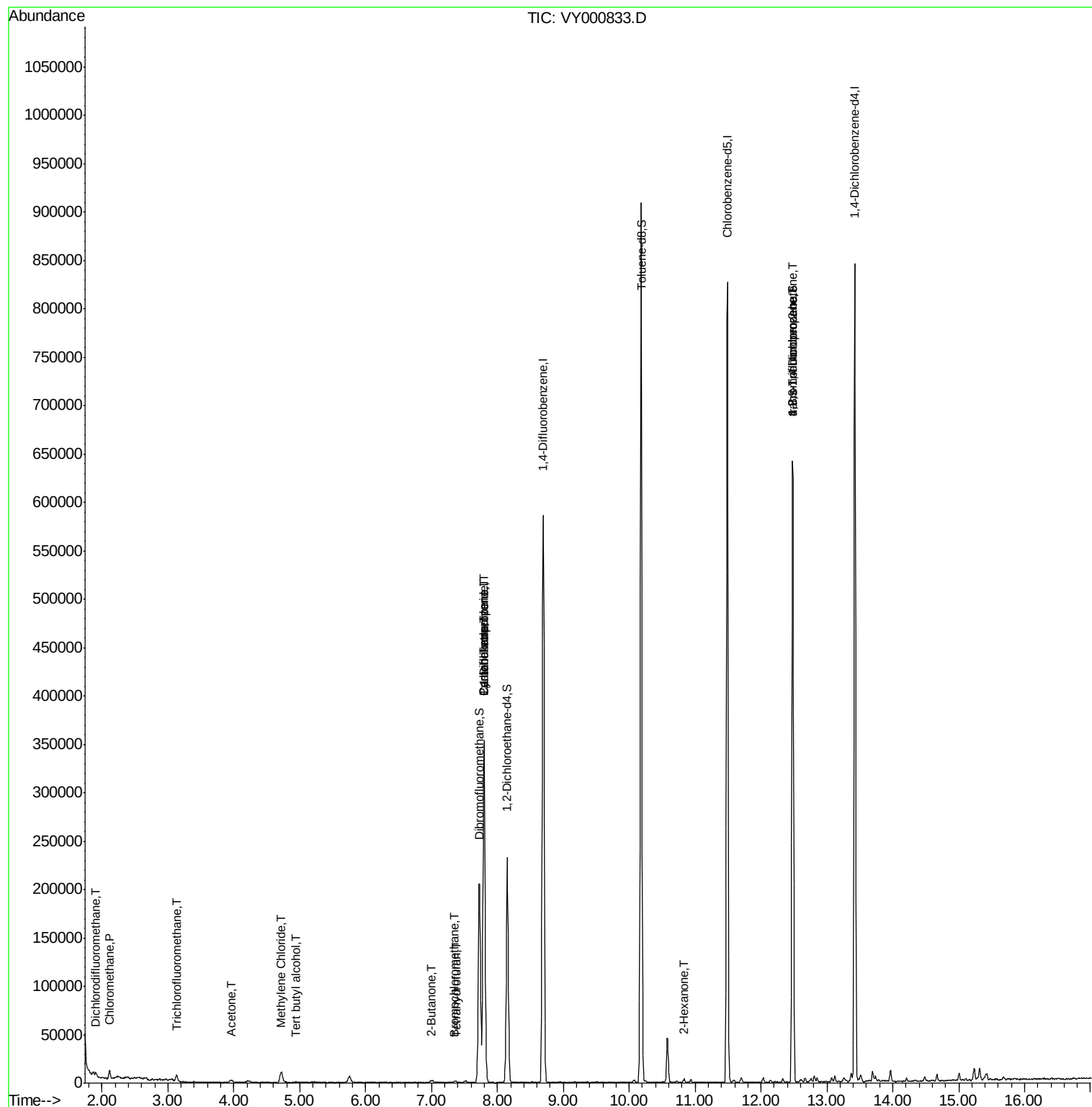
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	3539	1.200	ug/l	98
3) Chloromethane	2.11	50	7151	1.968	ug/l	97
5) Bromomethane	2.66	94	439	Below Cal	#	26
7) Trichlorofluoromethane	3.13	101	7336	1.495	ug/l	90
11) Tert butyl alcohol	4.94	59	461	1.575	ug/l #	74
16) Acetone	3.95	43	4523	6.775	ug/l	90
20) Methylene Chloride	4.71	84	8502	2.416	ug/l #	78
25) 2-Butanone	7.00	43	1914	1.552	ug/l #	78
28) Bromochloromethane	7.35	49	86	2.054	ug/l #	15
29) Tetrahydrofuran	7.38	42	1353	1.656	ug/l #	63
31) Cyclohexane	7.80	56	6468	1.047	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	21837	4.286	ug/l #	48
38) Carbon Tetrachloride	7.80	117	27698	6.104	ug/l #	15
59) 2-Hexanone	10.83	43	2607	1.249	ug/l	87
76) 1,2,3-Trichloropropane	12.48	75	103542	45.288	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	103542	88.958	ug/l #	17

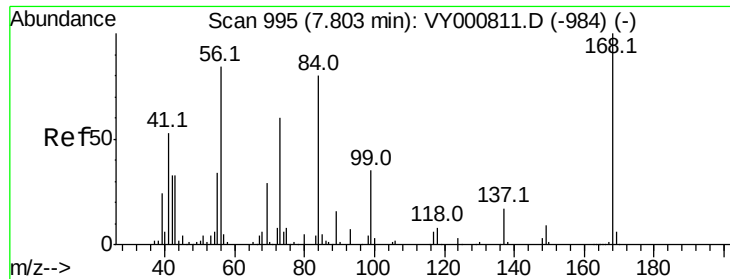
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY120319\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000833.D

Acq: 03 Dec 2019 11:01

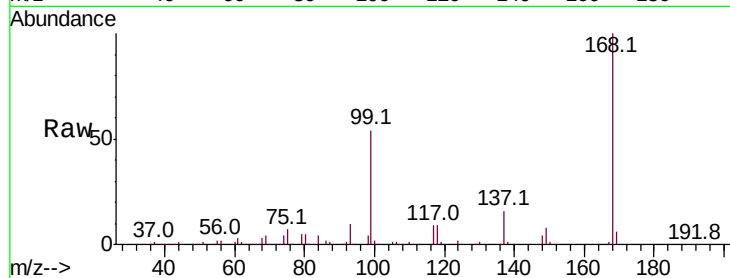
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 273866

Ion Ratio Lower Upper

168 100

99 54.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000833.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000833.D (-946) (-)

7.80

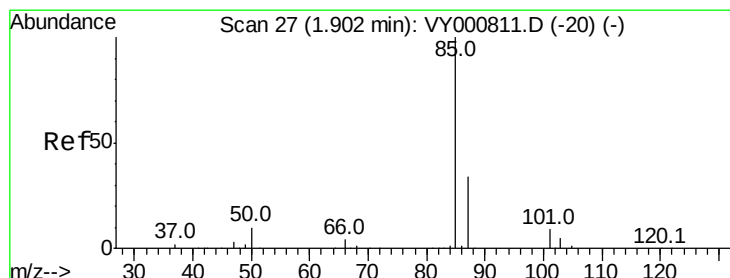
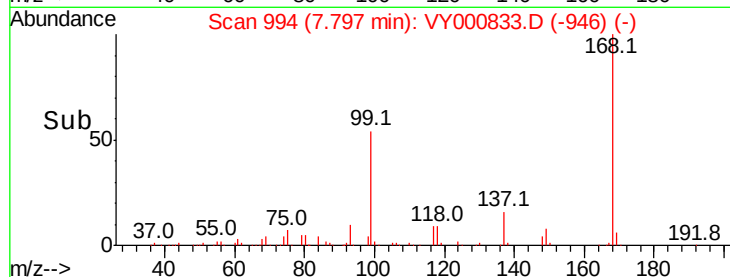
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.200 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000833.D

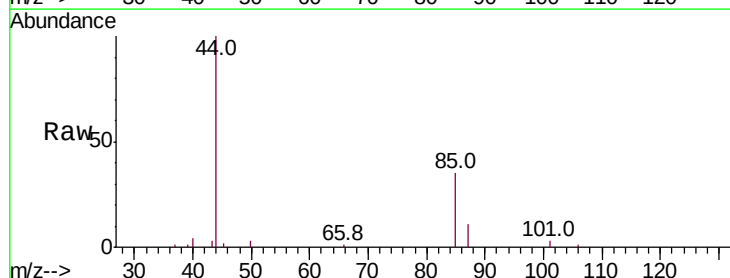
Acq: 03 Dec 2019 11:01

Tgt Ion: 85 Resp: 3539

Ion Ratio Lower Upper

85 100

87 32.4 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VY000833.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000833.D (-1) (-)

1.90

3000

2500

2000

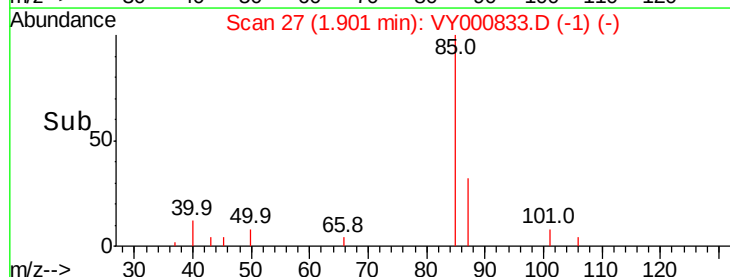
1500

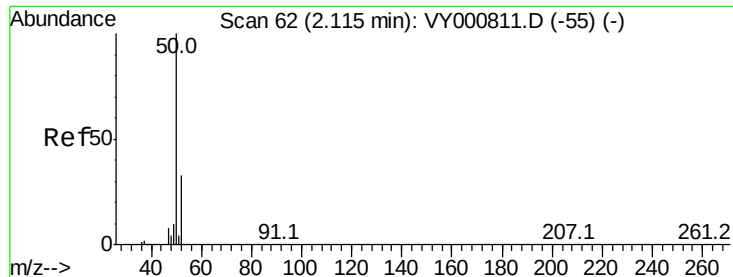
1000

500

0

Time-->





#3

Chloromethane

Concen: 1.968 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000833.D

Acq: 03 Dec 2019 11:01

Instrument :

MSVOA_Y

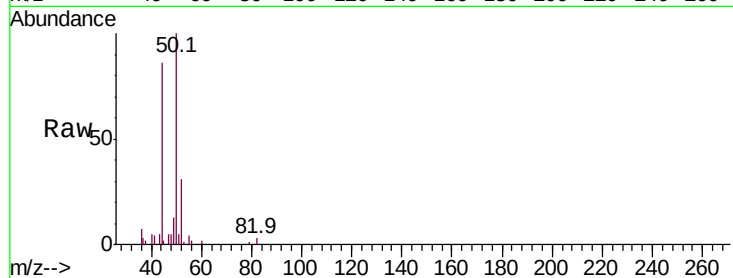
ClientSampled :

Tot Ion: 50 Resp: 7151

Ion Ratio Lower Upper

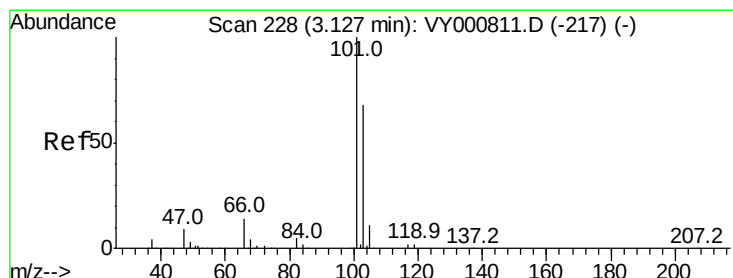
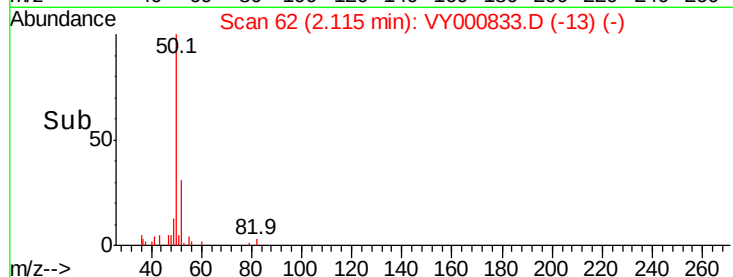
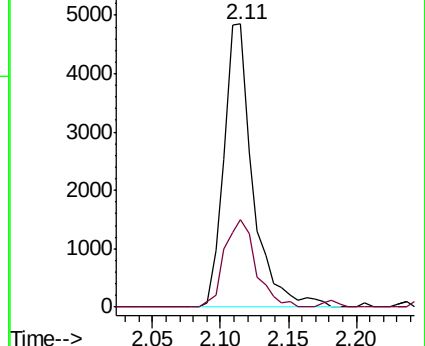
50 100

52 31.0 26.0 39.0



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

Ion 51.90 (51.60 to 52.60): VY000833.D (-13) (-)



#7

Trichlorofluoromethane

Concen: 1.495 ug/l

RT: 3.13 min Scan# 228

Delta R.T. -0.00 min

Lab File: VY000833.D

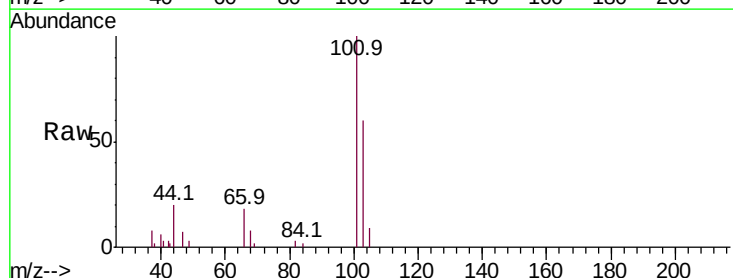
Acq: 03 Dec 2019 11:01

Tgt Ion: 101 Resp: 7336

Ion Ratio Lower Upper

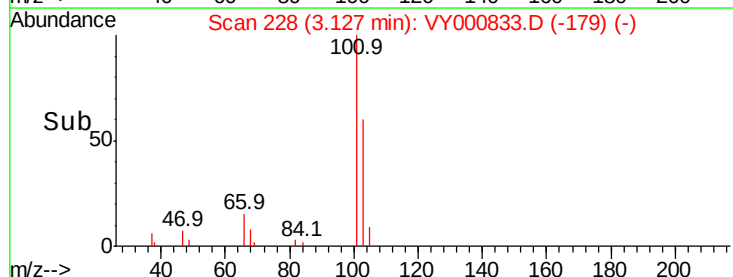
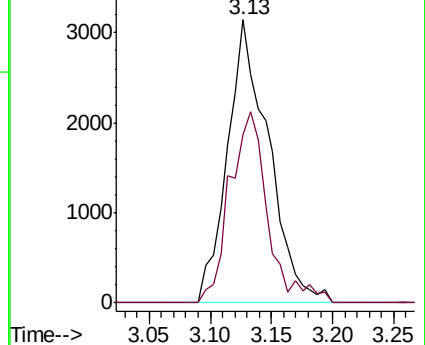
101 100

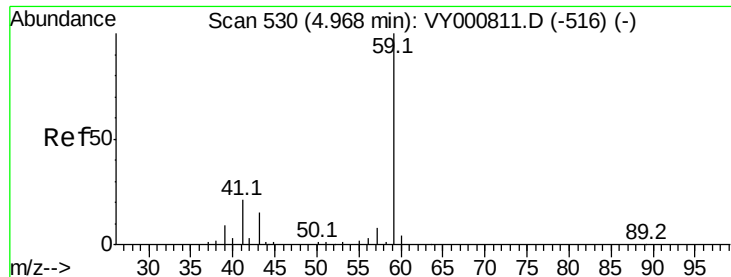
103 59.5 54.2 81.2



Abundance Ion 100.90 (100.60 to 101.60): VY000811.D (-217) (-)

Ion 102.80 (102.50 to 103.50): VY000833.D (-179) (-)

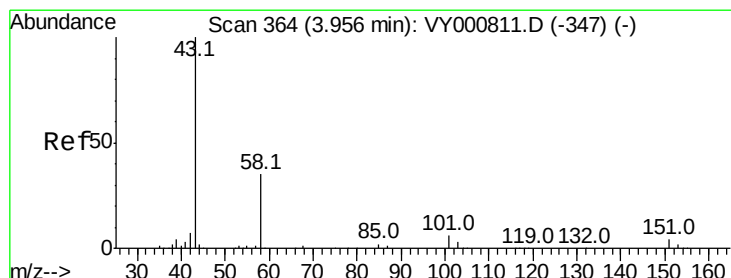
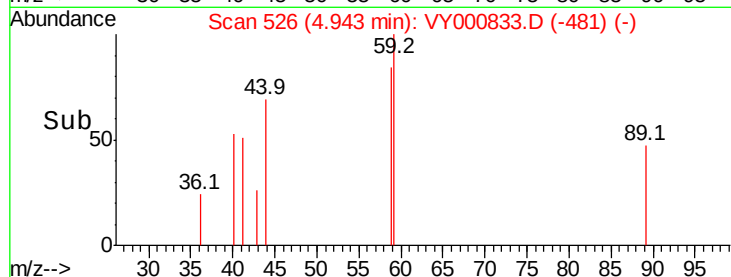
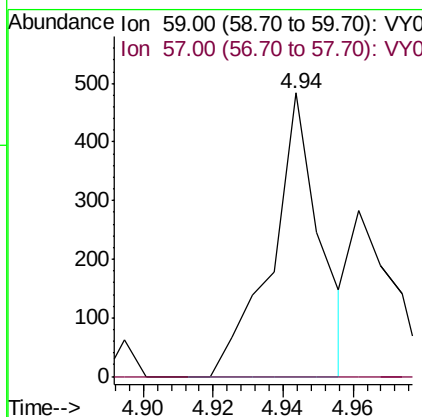
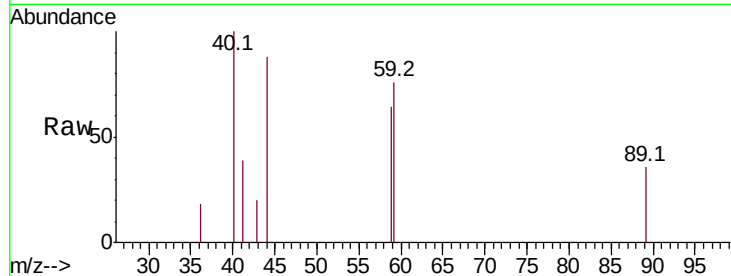




#11
Tert butyl alcohol
Concen: 1.575 ug/l
RT: 4.94 min Scan# 526
Delta R.T. -0.02 min
Lab File: VY000833.D
Acq: 03 Dec 2019 11:01

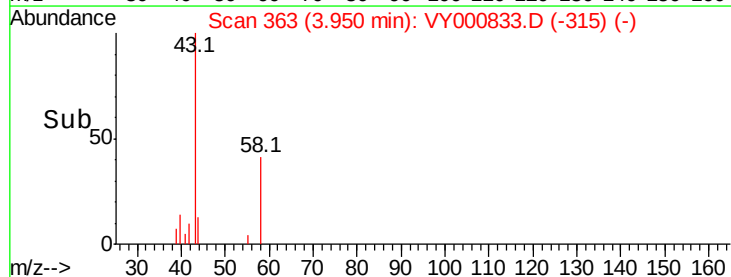
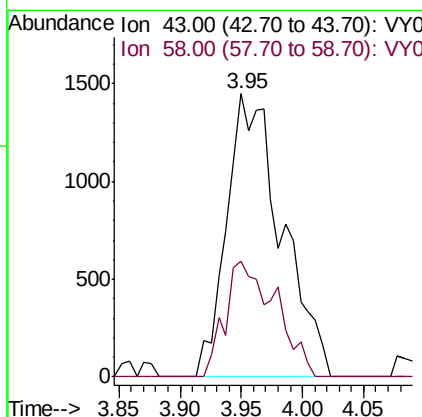
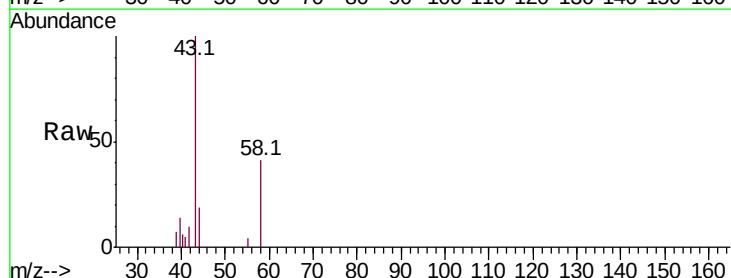
Instrument :
MSVOA_Y
ClientSampleId :

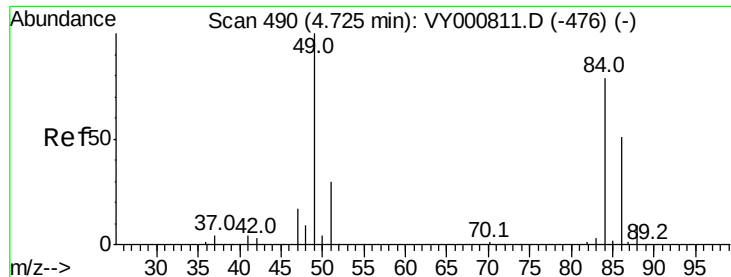
Tot Ion: 59 Resp: 461
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 6.775 ug/l
RT: 3.95 min Scan# 363
Delta R.T. -0.01 min
Lab File: VY000833.D
Acq: 03 Dec 2019 11:01

Tgt Ion: 43 Resp: 4523
Ion Ratio Lower Upper
43 100
58 41.0 28.0 42.0

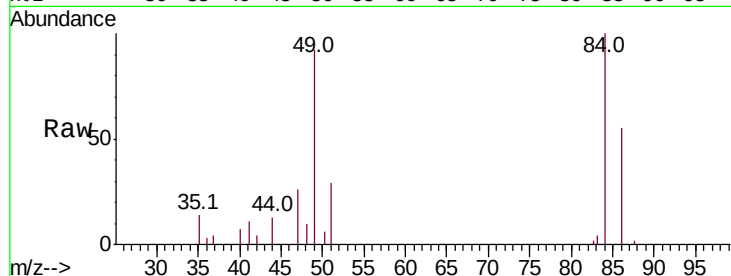




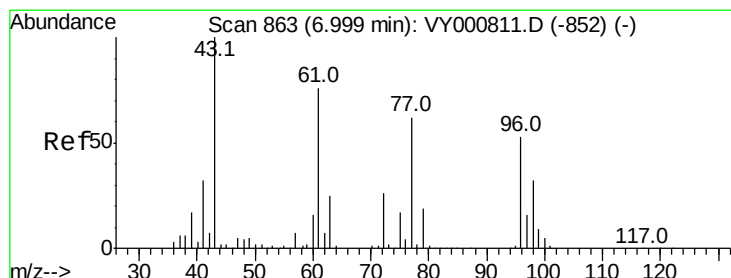
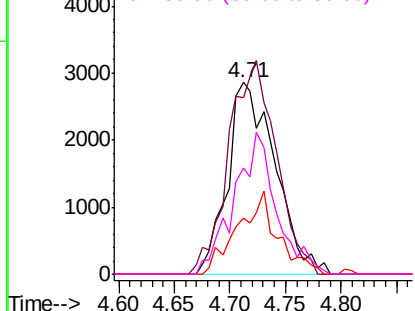
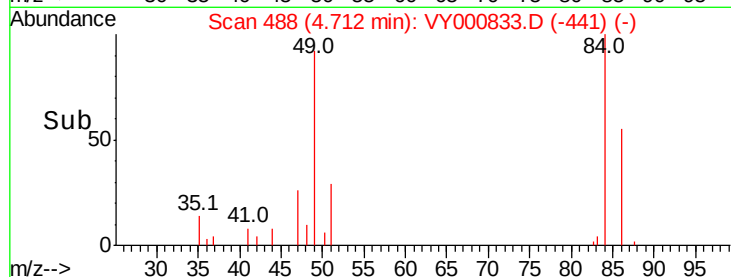
#20
Methylene Chloride
Concen: 2.416 ug/l
RT: 4.71 min Scan# 488
Delta R.T. -0.01 min
Lab File: VY000833.D
Acq: 03 Dec 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 8502
Ion Ratio Lower Upper
84 100
49 91.9 101.3 151.9#
51 29.4 30.6 45.8#
86 55.3 51.3 76.9

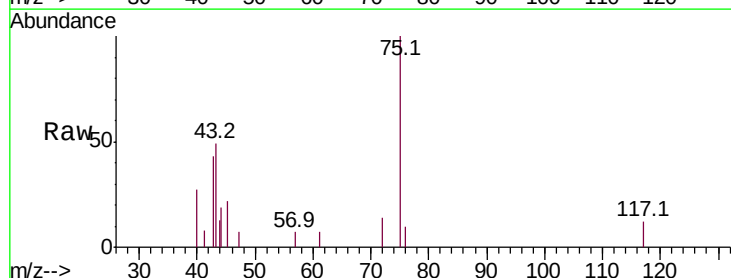


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

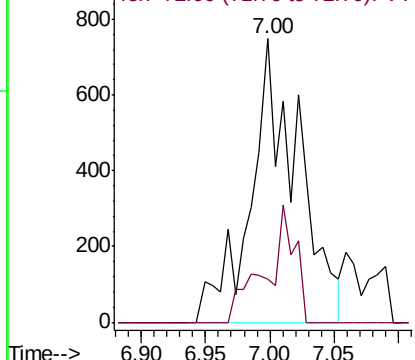
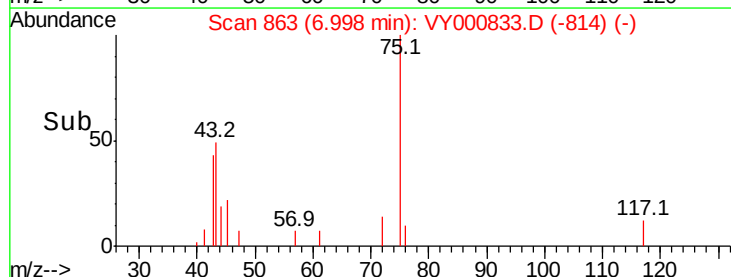


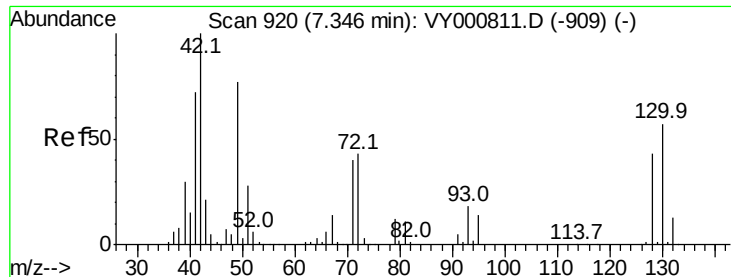
#25
2-Butanone
Concen: 1.552 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY000833.D
Acq: 03 Dec 2019 11:01

Tgt Ion: 43 Resp: 1914
Ion Ratio Lower Upper
43 100
72 15.1 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0

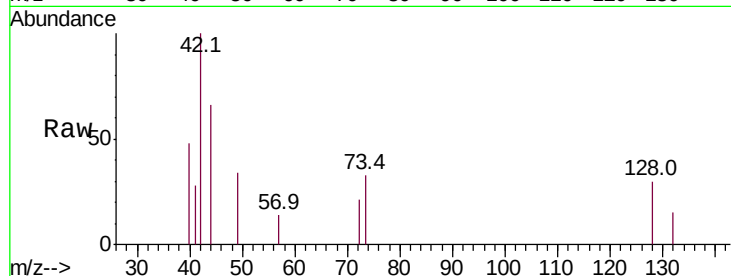




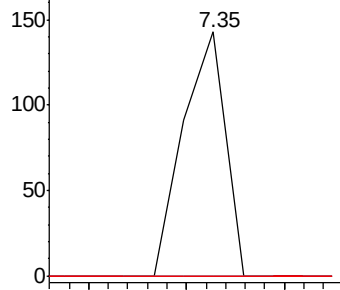
#28
Bromochloromethane
Concen: 2.054 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY000833.D
Acq: 03 Dec 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :

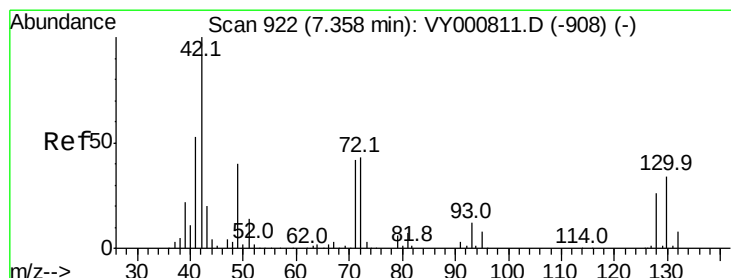
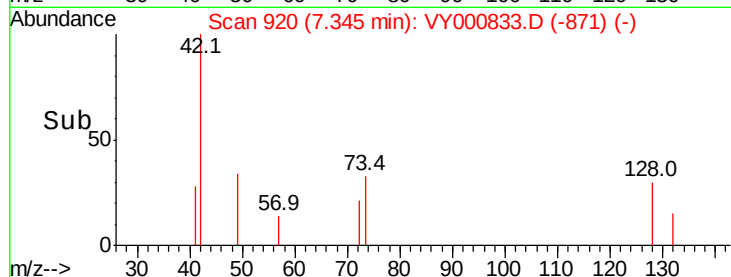
Tot Ion: 49 Resp: 86
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.7 88.1#



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

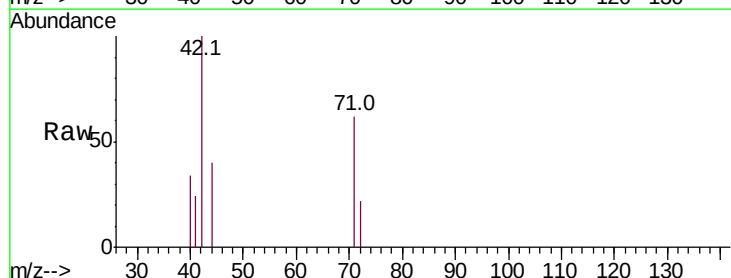


Time-->

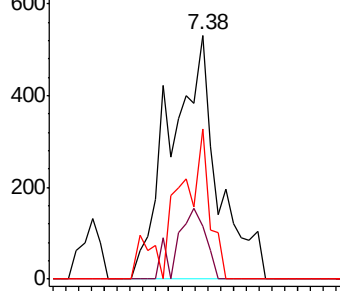


#29
Tetrahydrofuran
Concen: 1.656 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.02 min
Lab File: VY000833.D
Acq: 03 Dec 2019 11:01

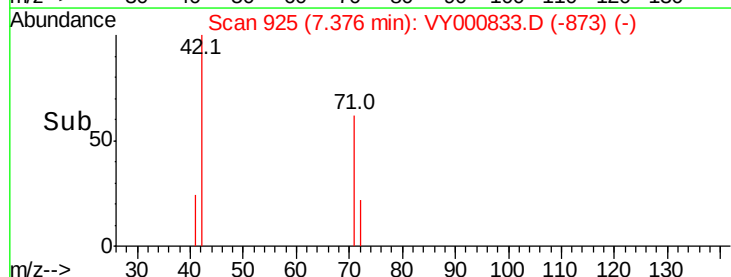
Tgt Ion: 42 Resp: 1353
Ion Ratio Lower Upper
42 100
72 17.4 35.1 52.7#
71 20.5 32.8 49.2#

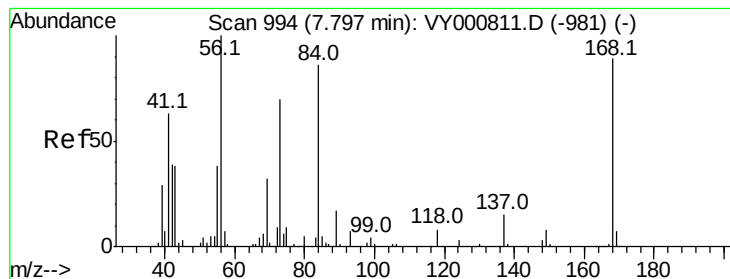


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0



Time-->





#31

Cyclohexane

Concen: 1.047 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

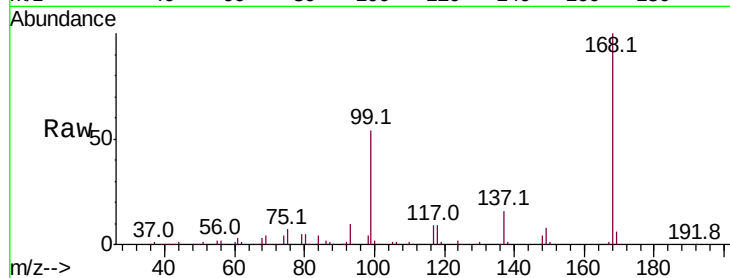
Lab File: VY000833.D

Acq: 03 Dec 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 6468

Ion	Ratio	Lower	Upper
56	100		
69	173.9	25.9	38.9#
84	189.7	68.6	102.8#

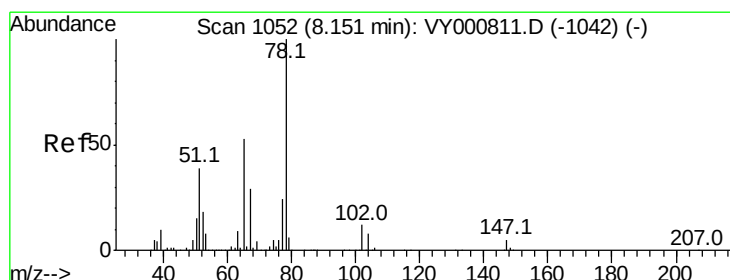
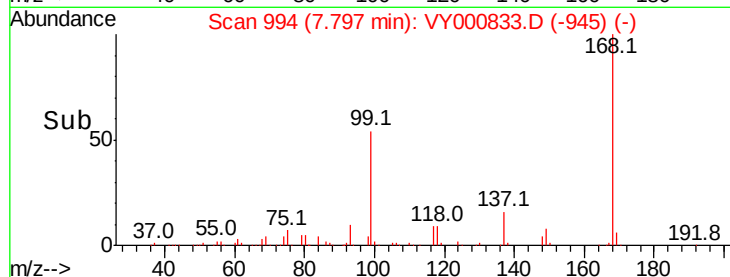
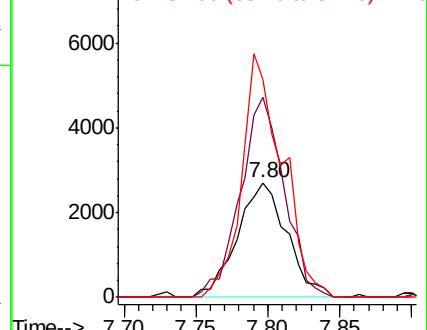


Abundance

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: 56.702 ug/l

RT: 8.15 min Scan# 1052

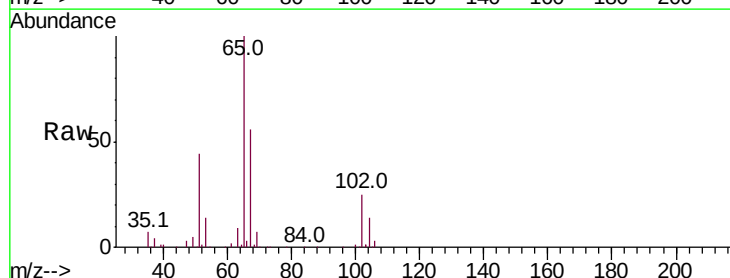
Delta R.T. -0.00 min

Lab File: VY000833.D

Acq: 03 Dec 2019 11:01

Tgt Ion: 65 Resp: 165005

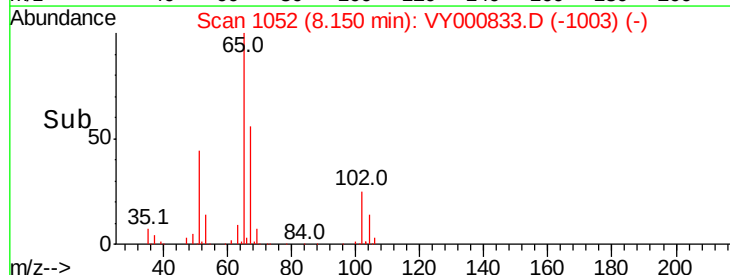
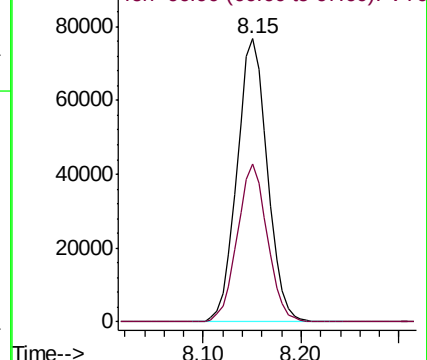
Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	112.0

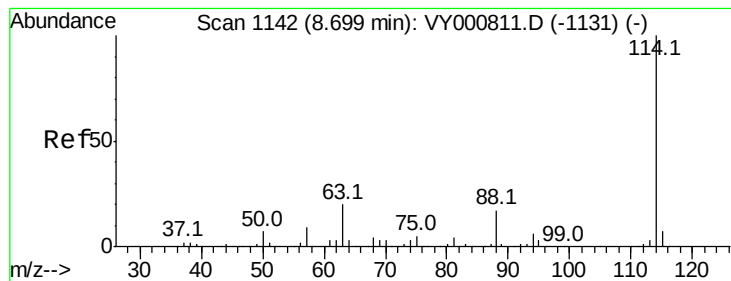


Abundance

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: VY000833.D

Acq: 03 Dec 2019 11:01

Instrument :

MSVOA_Y

ClientSampleId :

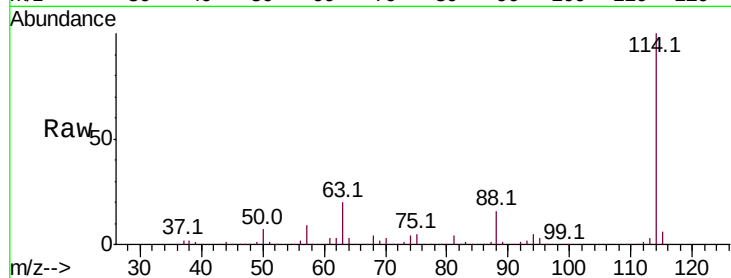
Tot Ion:114 Resp: 512469

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.8

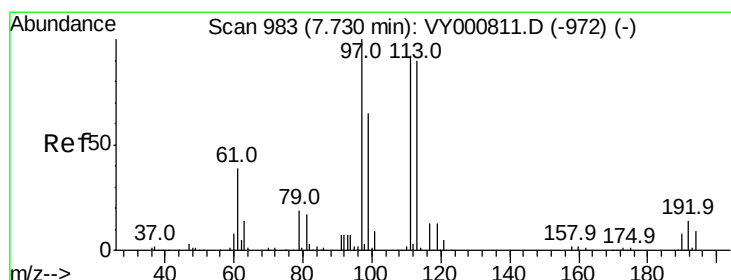
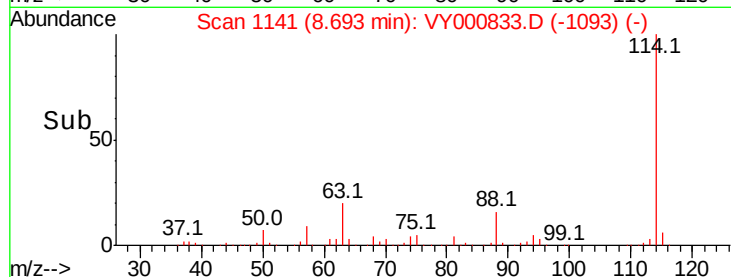
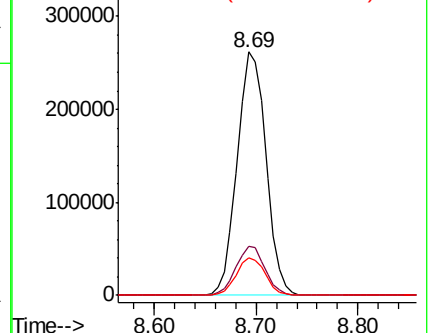
88 15.6 0.0 33.2



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: 50.810 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000833.D

Acq: 03 Dec 2019 11:01

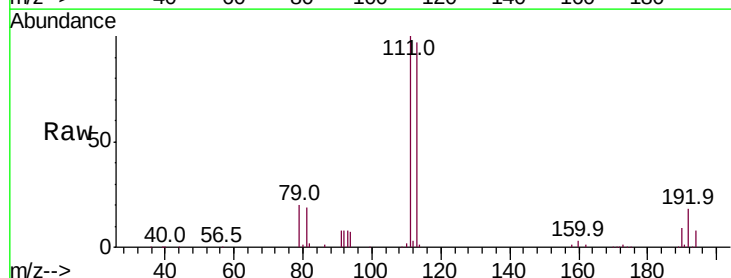
Tgt Ion:113 Resp: 151753

Ion Ratio Lower Upper

113 100

111 101.7 82.4 123.6

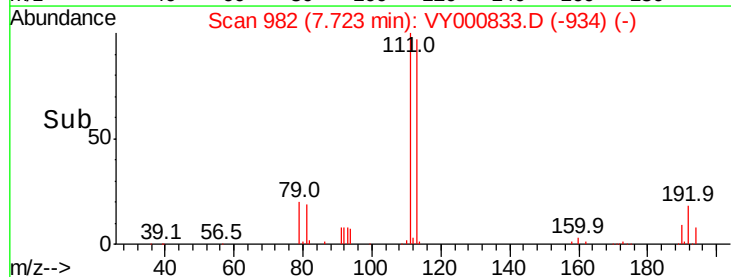
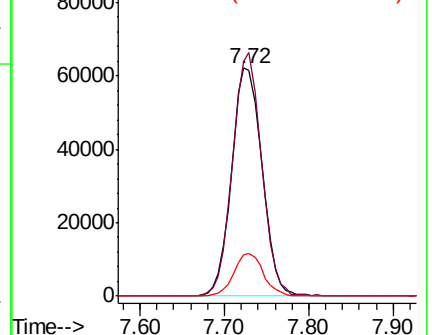
192 18.0 14.2 21.2

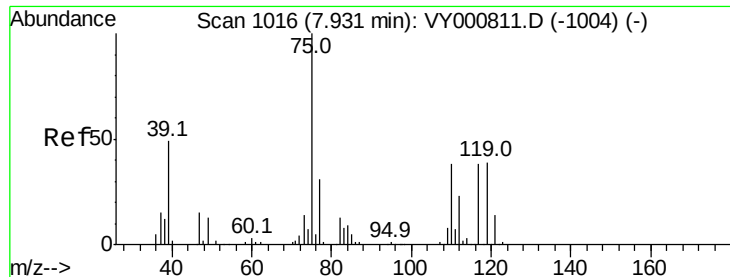


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

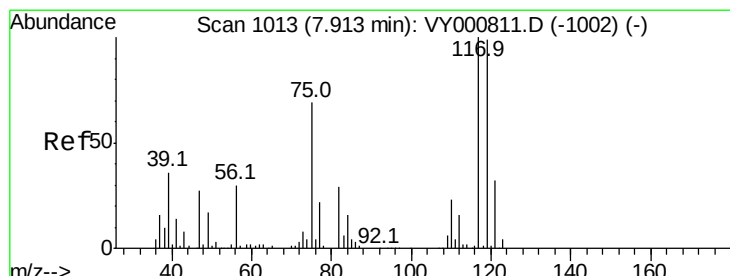
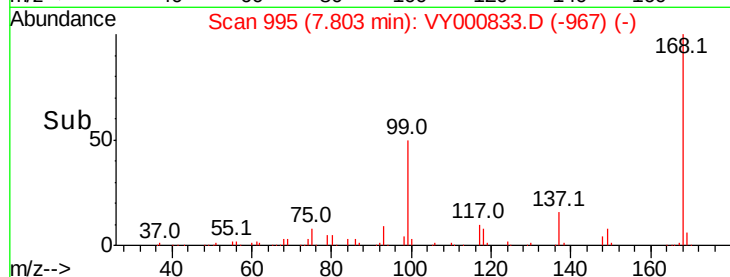
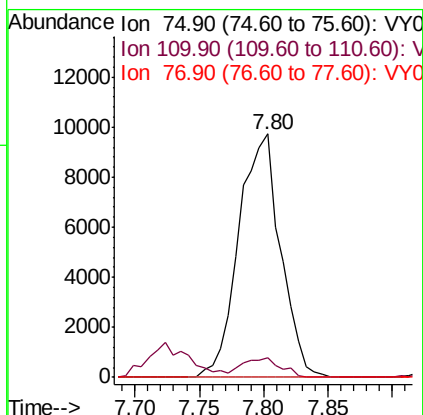
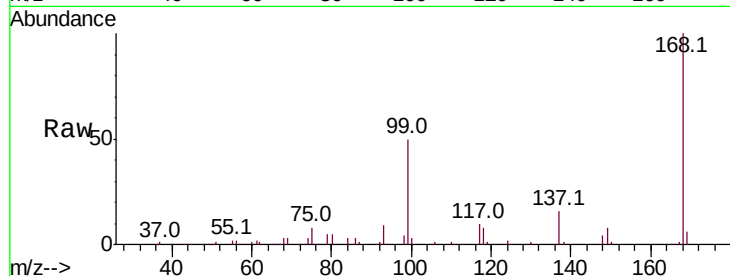




#36
 1,1-Dichloropropene
 Concen: 4.286 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000833.D
 Acq: 03 Dec 2019 11:01

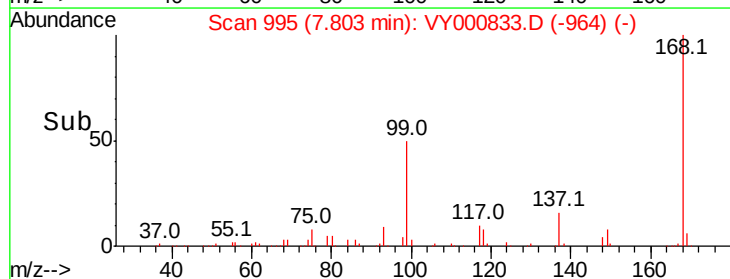
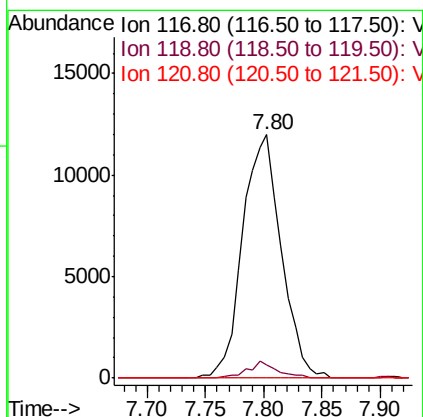
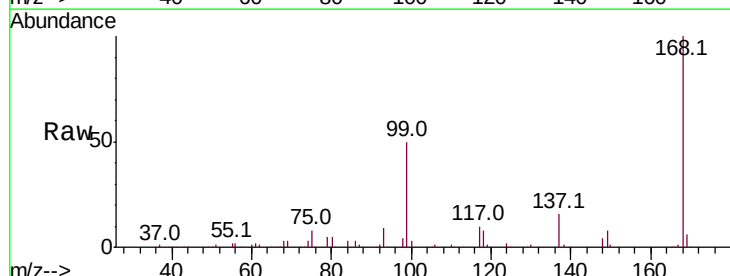
Instrument :
 MSVOA_Y
 ClientSampleId :

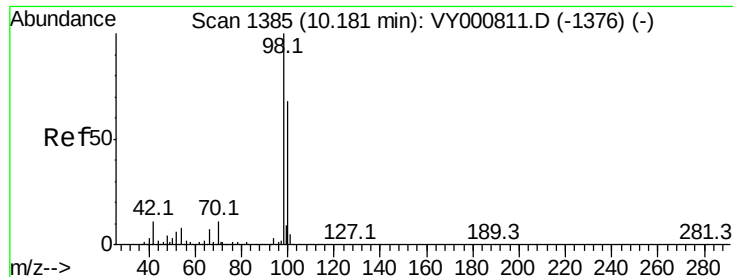
Tot Ion: 75 Resp: 21837
 Ion Ratio Lower Upper
 75 100
 110 7.5 17.9 53.7#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.104 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000833.D
 Acq: 03 Dec 2019 11:01

Tgt Ion: 117 Resp: 27698
 Ion Ratio Lower Upper
 117 100
 119 5.3 79.3 118.9#
 121 0.0 25.5 38.3#

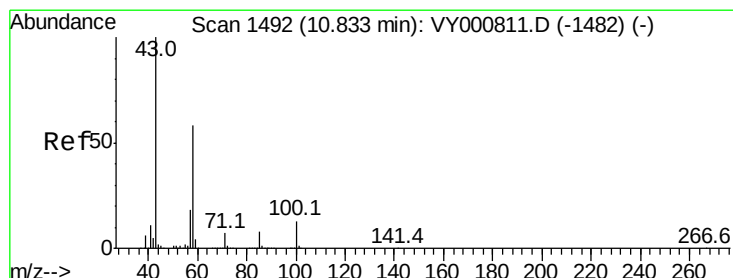
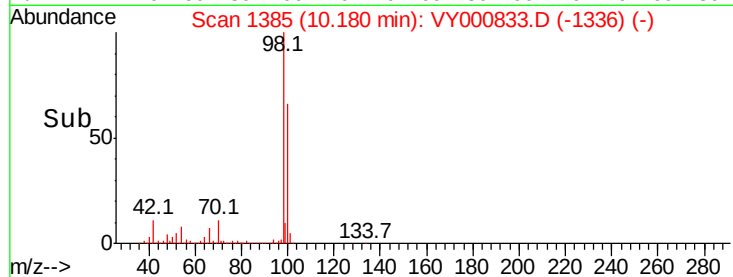
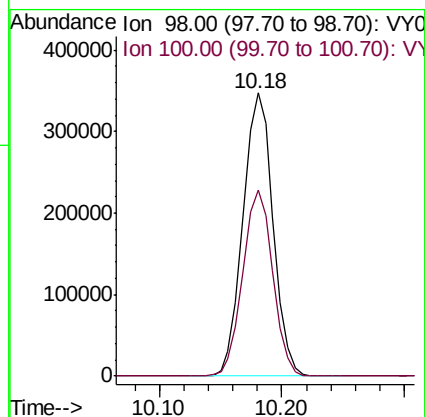
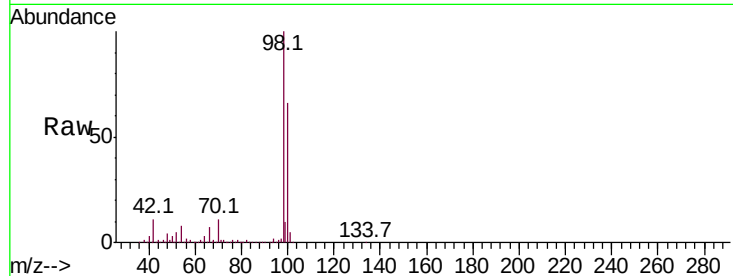




#50
Toluene-d8
Concen: 49.536 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000833.D
Acq: 03 Dec 2019 11:01

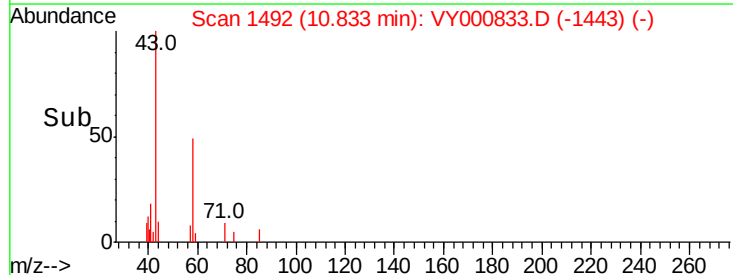
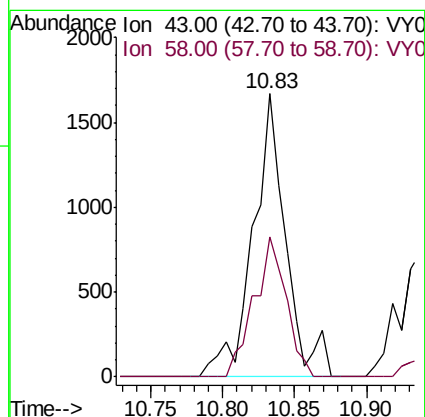
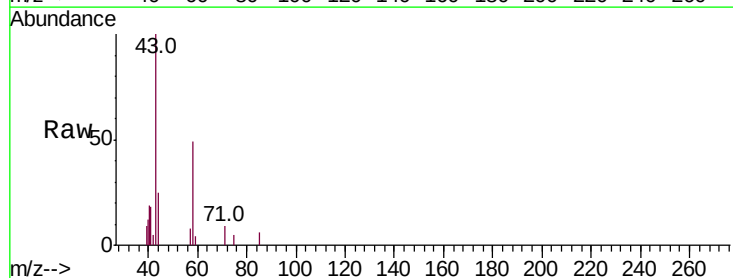
Instrument :
MSVOA_Y
ClientSampled :

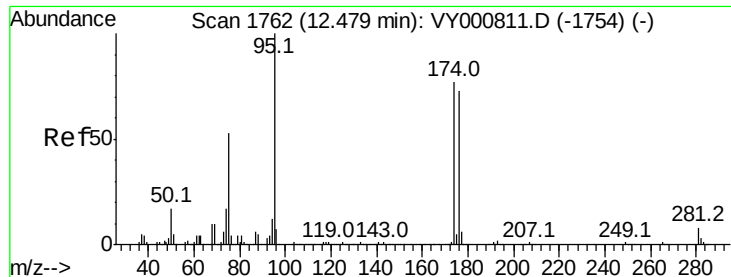
Tot Ion: 98 Resp: 591490
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7



#59
2-Hexanone
Concen: 1.249 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000833.D
Acq: 03 Dec 2019 11:01

Tgt Ion: 43 Resp: 2607
Ion Ratio Lower Upper
43 100
58 48.7 29.0 87.1

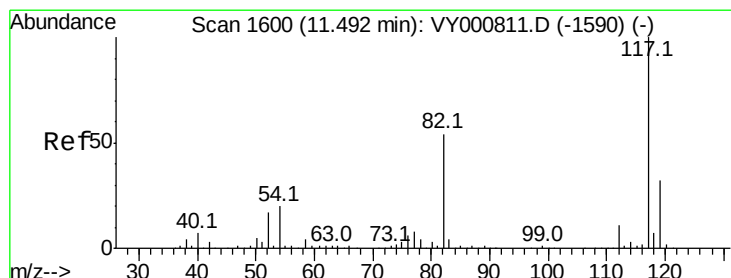
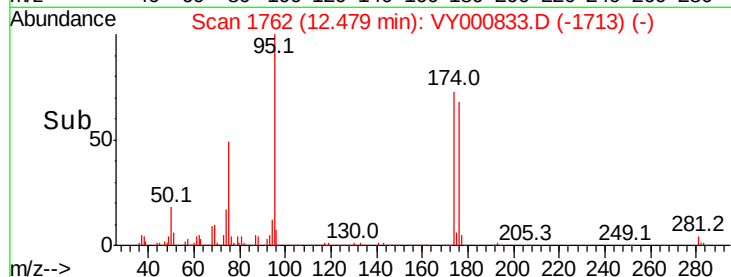
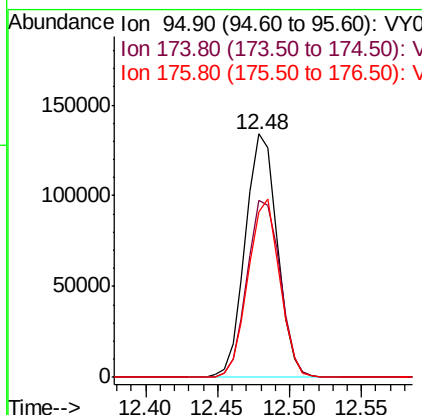
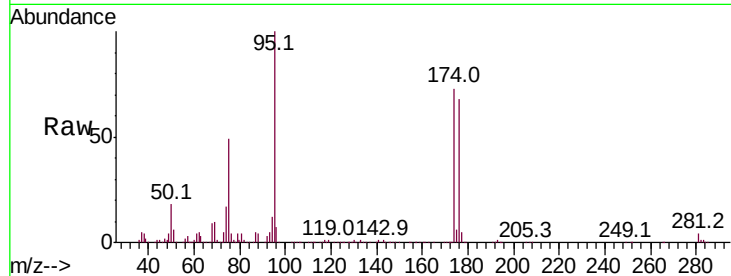




#62
4-Bromofluorobenzene
Concen: 46.015 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000833.D
Acq: 03 Dec 2019 11:01

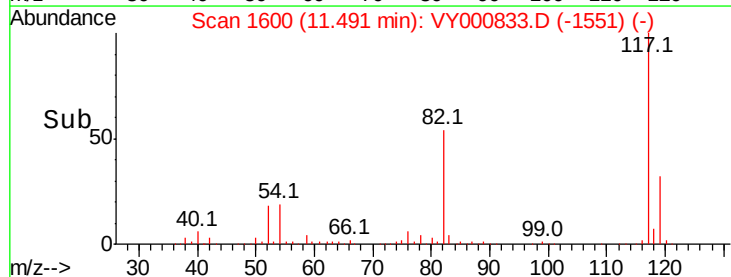
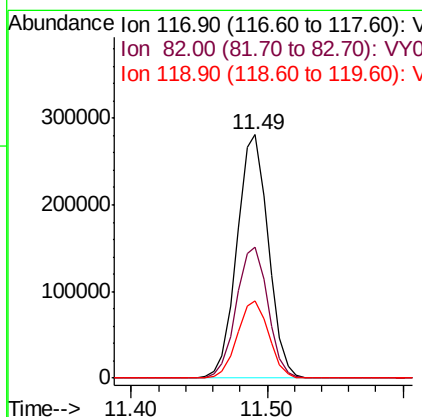
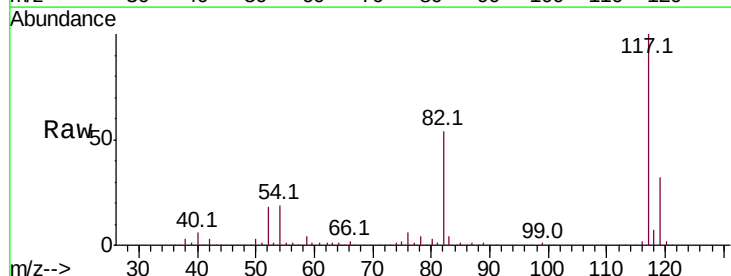
Instrument :
MSVOA_Y
ClientSampleId :

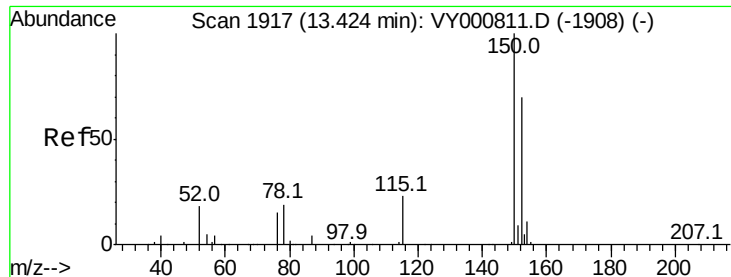
Tot Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	150.6
176	72.1	0.0	145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000833.D
Acq: 03 Dec 2019 11:01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.1	64.7
119	31.9	25.3	37.9



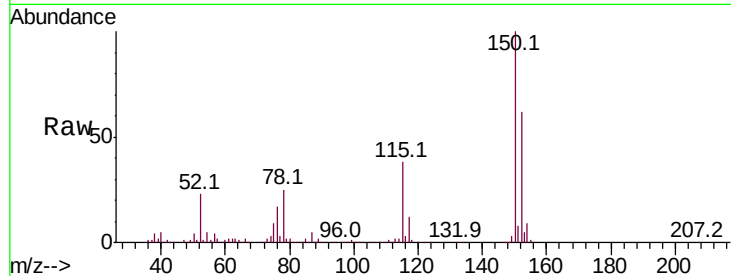


#72

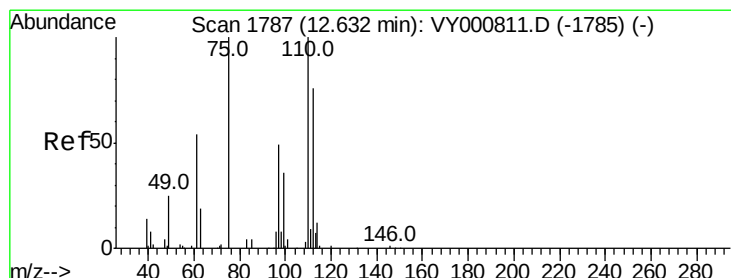
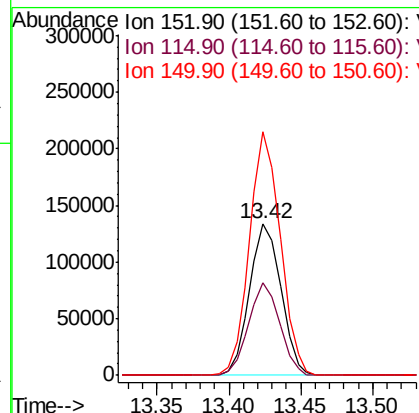
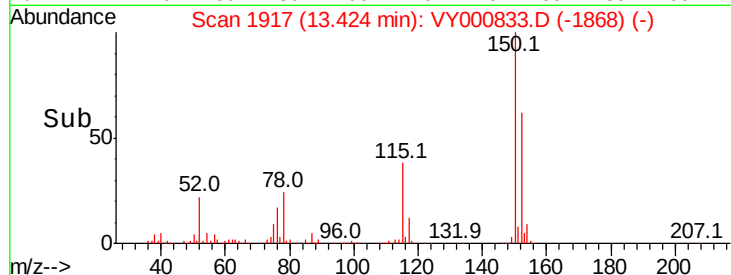
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000833.D
Acq: 03 Dec 2019 11:01

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.5	29.3	87.8
150	157.9	0.0	351.2



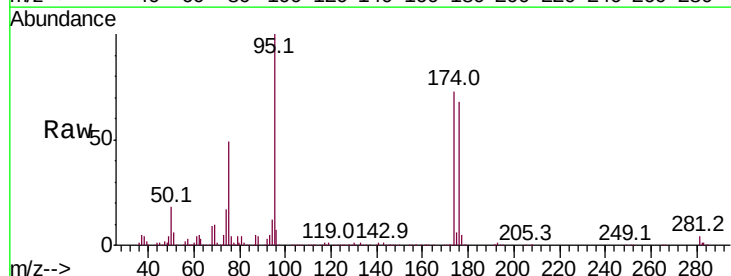
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



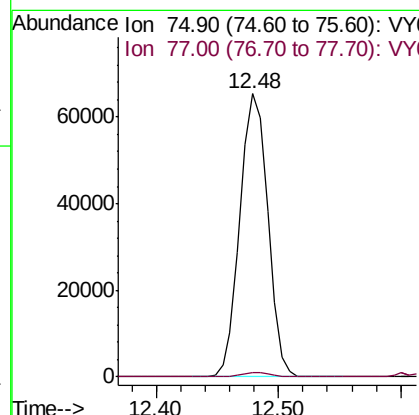
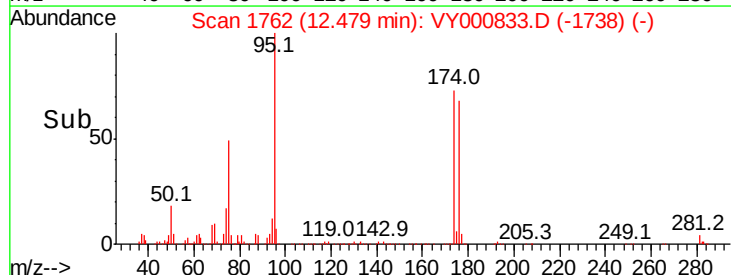
#76

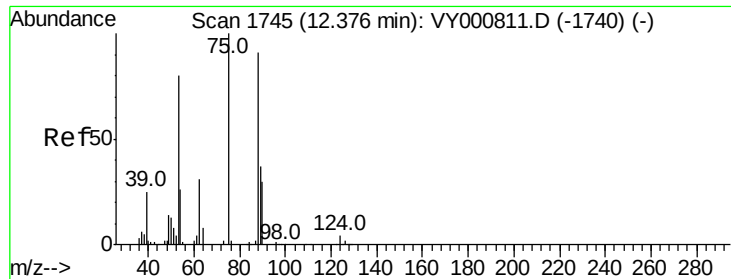
1,2,3-Trichloropropane
Concen: 45.288 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000833.D
Acq: 03 Dec 2019 11:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	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: 88.958 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000833.D

Acq: 03 Dec 2019 11:01

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 103542

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.0 33.6 50.4#

