

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102819\
 Data File : VY000452.D
 Acq On : 28 Oct 2019 14:15
 Operator : SY/MD
 Sample : K5564-02
 Misc : 6.25G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 29 10:45:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	204885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	349058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	306865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	135265	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	115317	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
35) Dibromofluoromethane	7.73	113	104011	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
50) Toluene-d8	10.18	98	406372	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.48	95	132940	43.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.40%	

Target Compounds

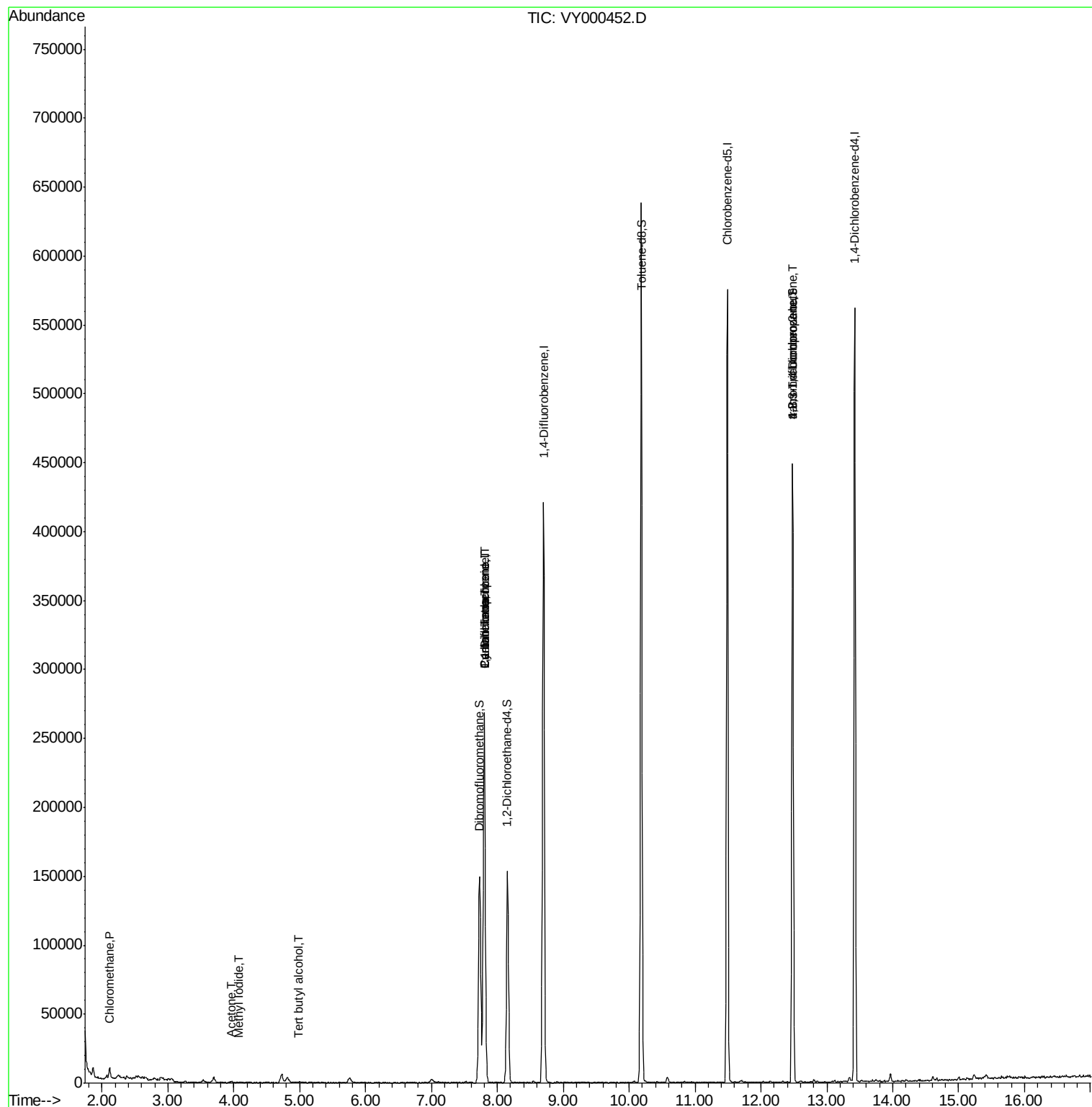
					Qvalue
2) Dichlorodifluoromethane	1.90	85	21	Below Cal	# 41
3) Chloromethane	2.12	50	6662	2.661	ug/l 92
10) Methyl Iodide	4.08	142	102	1.219	ug/l # 41
11) Tert butyl alcohol	4.98	59	370	1.636	ug/l # 73
16) Acetone	3.96	43	1477	2.110	ug/l # 71
20) Methylene Chloride	4.72	84	3621	Below Cal	# 78
31) Cyclohexane	7.80	56	4626	1.119	ug/l # 1
36) 1,1-Dichloropropene	7.80	75	15601	4.565	ug/l # 50
38) Carbon Tetrachloride	7.80	117	18999	5.742	ug/l # 17
76) 1,2,3-Trichloropropane	12.48	75	71893	43.223	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.48	75	71893	94.571	ug/l # 14

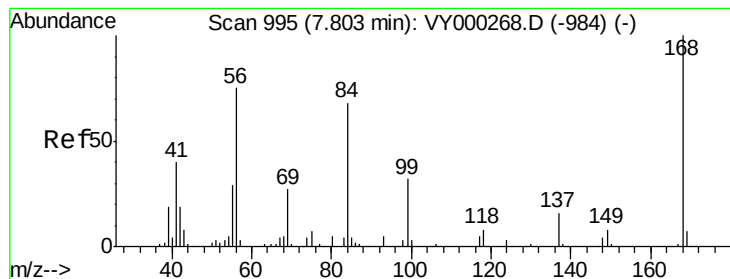
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000452.D

Acq: 28 Oct 2019 14:15

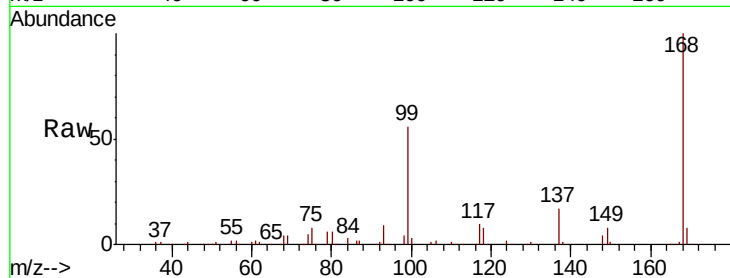
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 204885

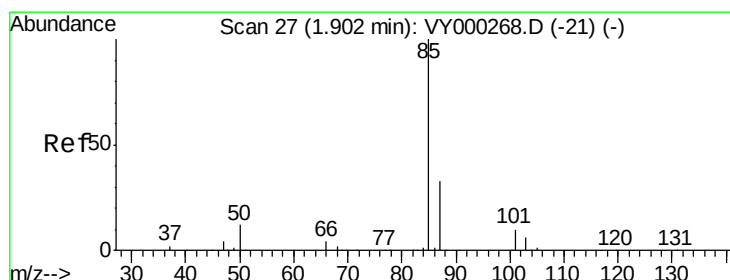
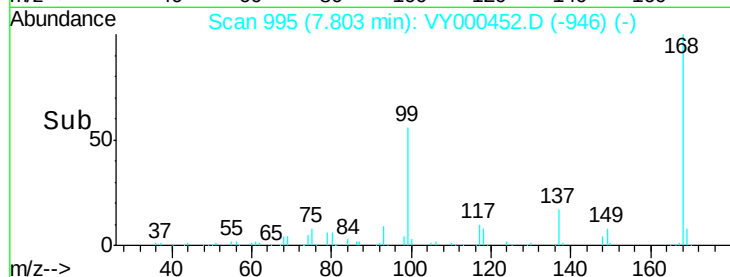
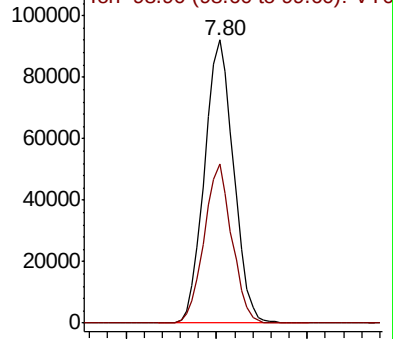
Ion Ratio Lower Upper

168 100

99 56.2 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000452.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 26

Delta R.T. -0.01 min

Lab File: VY000452.D

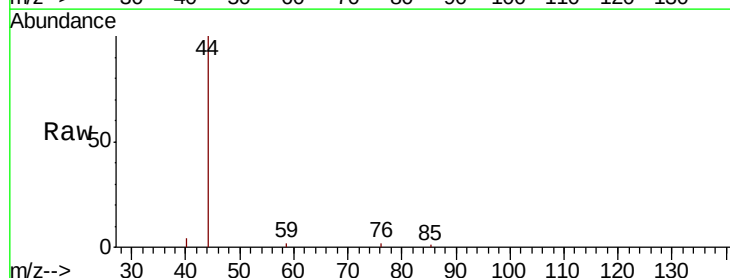
Acq: 28 Oct 2019 14:15

Tgt Ion: 85 Resp: 21

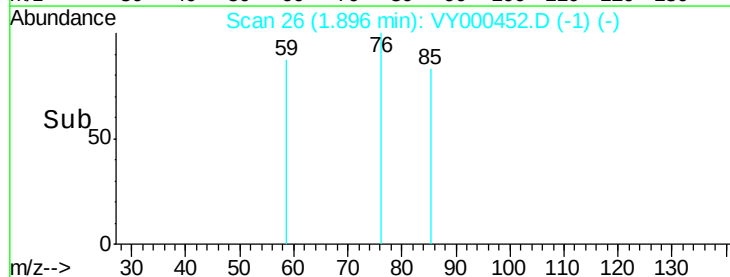
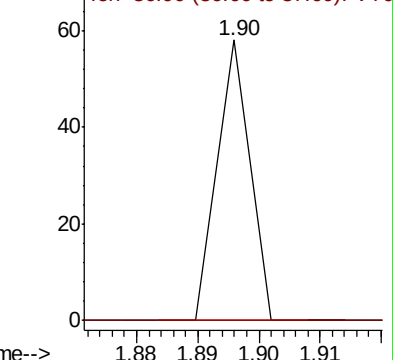
Ion Ratio Lower Upper

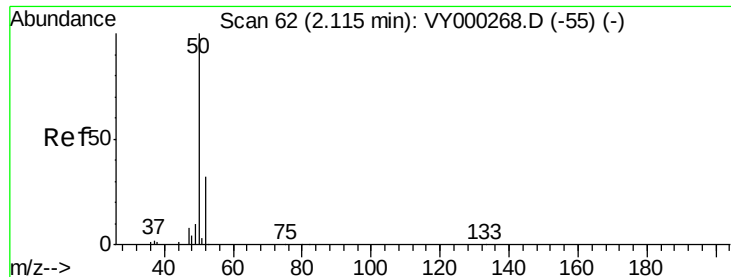
85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000452.D (-1) (-)





#3

Chloromethane

Concen: 2.661 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000452.D

Acq: 28 Oct 2019 14:15

Instrument :

MSVOA_Y

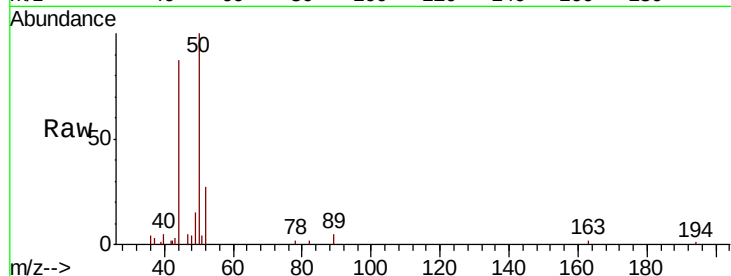
ClientSampleId :

Tot Ion: 50 Resp: 6662

Ion Ratio Lower Upper

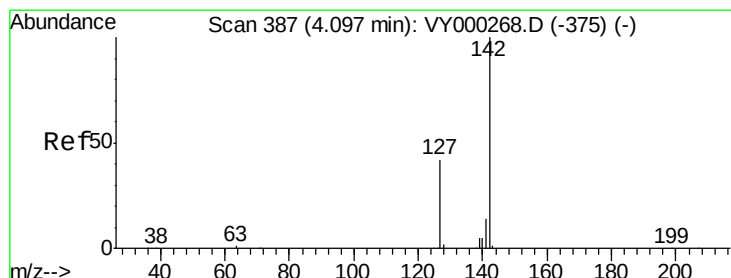
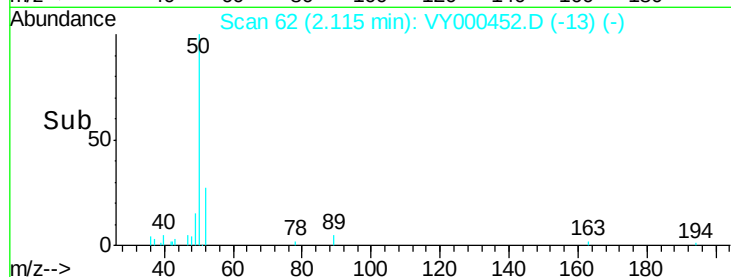
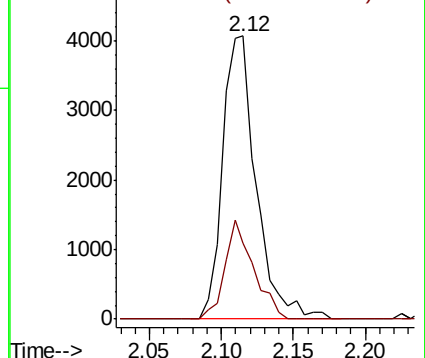
50 100

52 26.9 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#10

Methyl Iodide

Concen: 1.219 ug/l

RT: 4.08 min Scan# 384

Delta R.T. -0.02 min

Lab File: VY000452.D

Acq: 28 Oct 2019 14:15

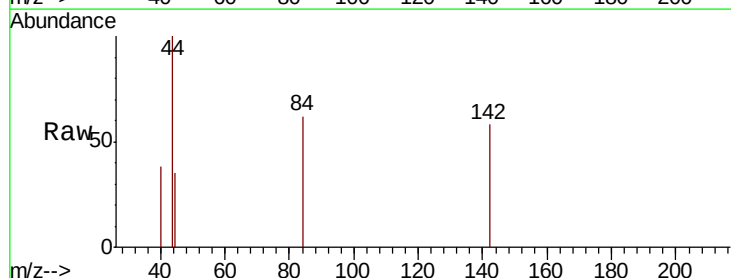
Tgt Ion: 142 Resp: 102

Ion Ratio Lower Upper

142 100

127 0.0 33.9 50.9#

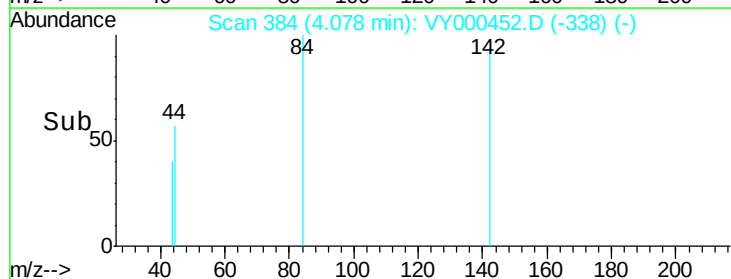
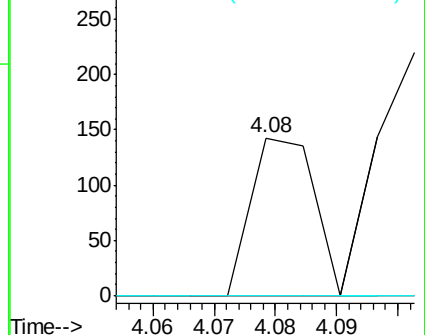
141 0.0 11.2 16.8#

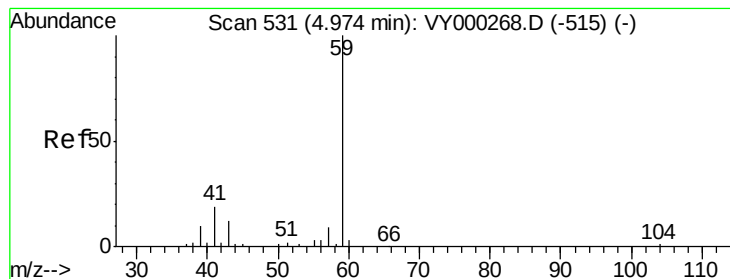


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



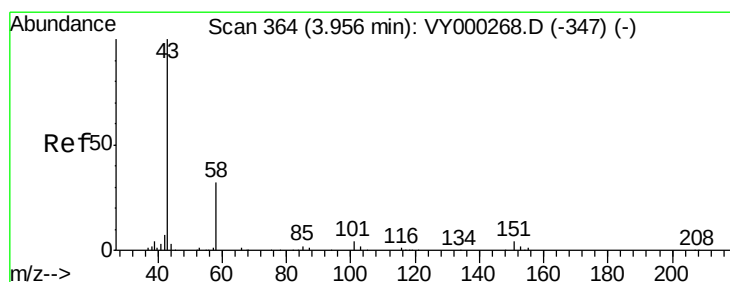
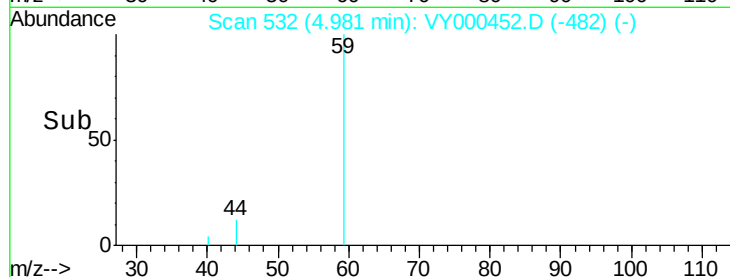
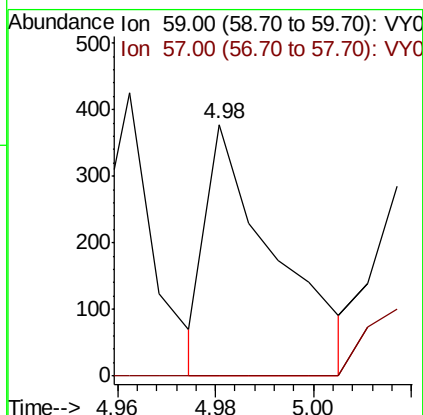
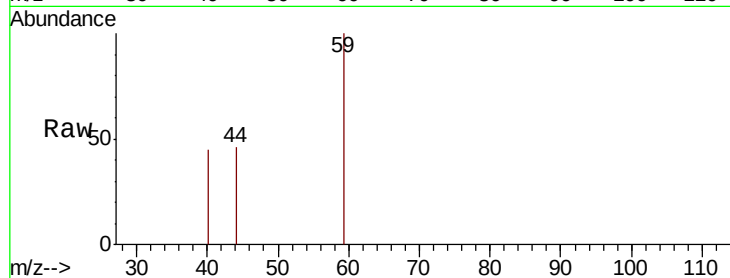


#11

Tert butyl alcohol
 Concen: 1.636 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VY000452.D
 Acq: 28 Oct 2019 14:15

Instrument :
 MSVOA_Y
 ClientSampleId :

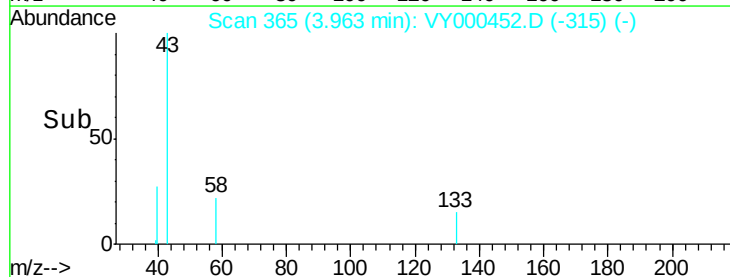
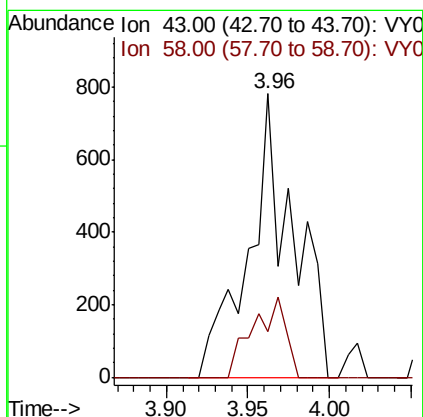
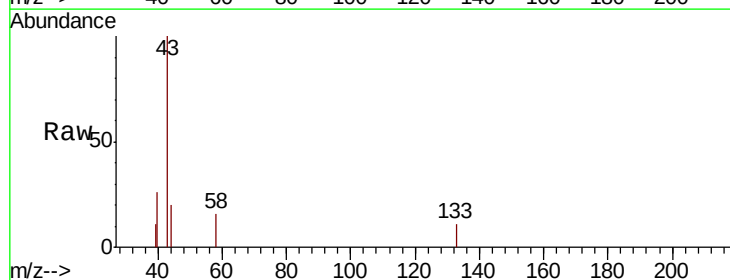
Tot Ion: 59 Resp: 370
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

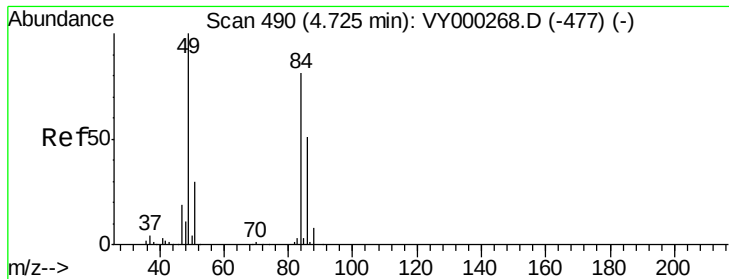


#16

Acetone
 Concen: 2.110 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VY000452.D
 Acq: 28 Oct 2019 14:15

Tgt Ion: 43 Resp: 1477
 Ion Ratio Lower Upper
 43 100
 58 15.9 25.8 38.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 490

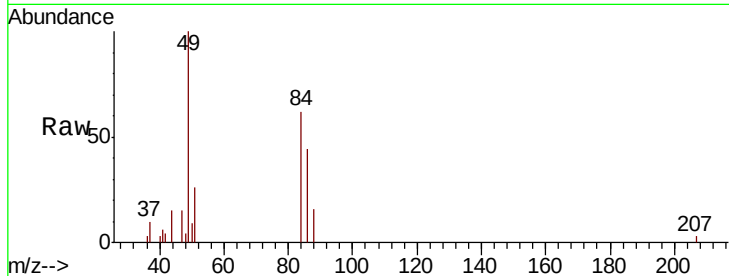
Delta R.T. 0.00 min

Lab File: VY000452.D

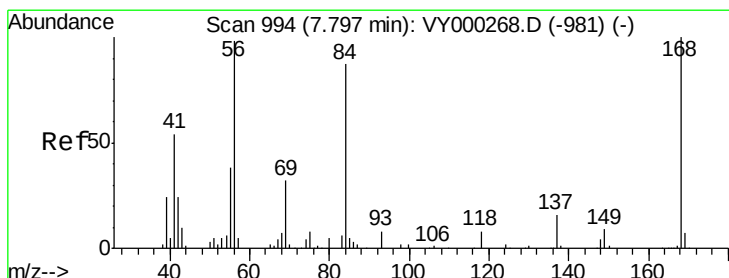
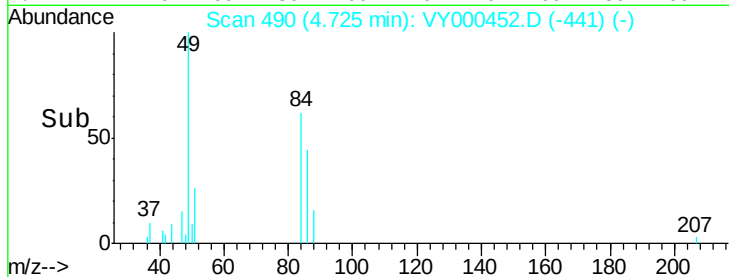
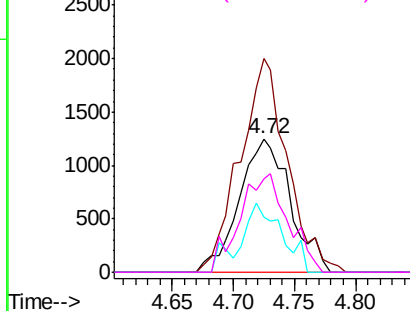
Acq: 28 Oct 2019 14:15

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	84	Resp:	3621
Ion	Ratio	Lower	Upper
84	100		
49	160.1	99.0	148.4#
51	40.9	29.3	43.9
86	70.0	50.2	75.4



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: 1.119 ug/l

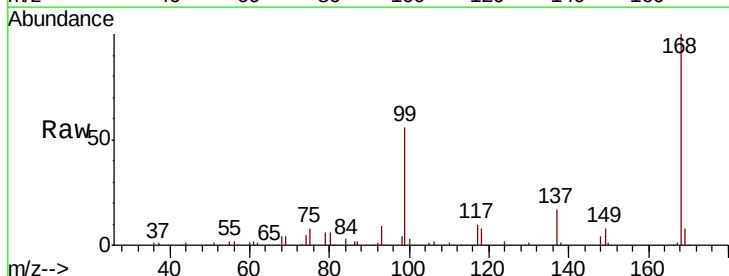
RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

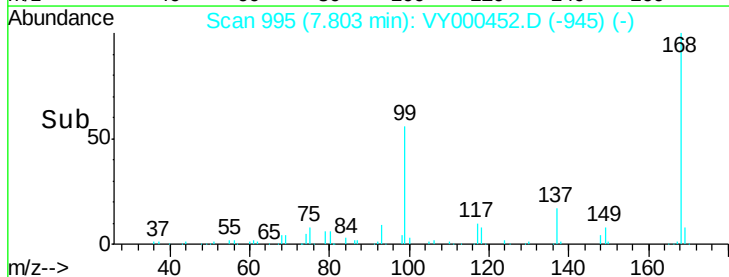
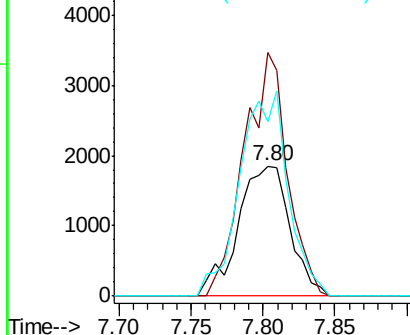
Lab File: VY000452.D

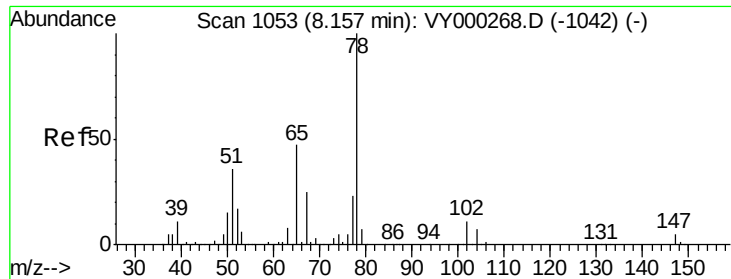
Acq: 28 Oct 2019 14:15

Tgt Ion:	56	Resp:	4626
Ion	Ratio	Lower	Upper
56	100		
69	187.4	26.3	39.5#
84	134.6	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

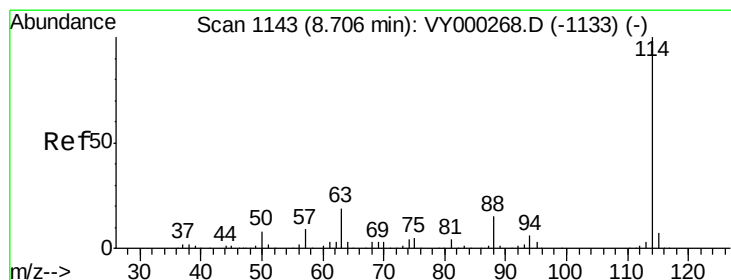
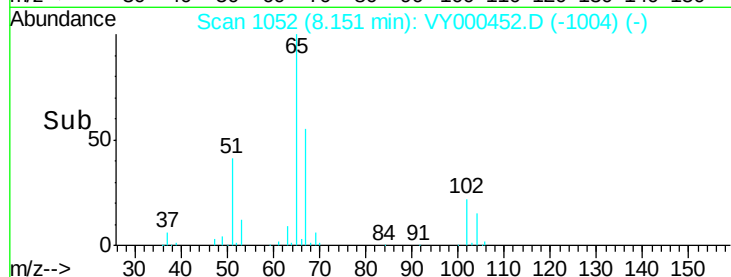
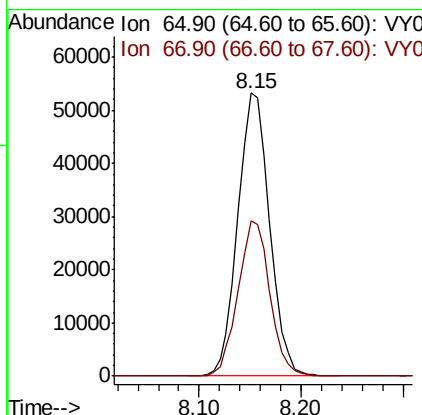
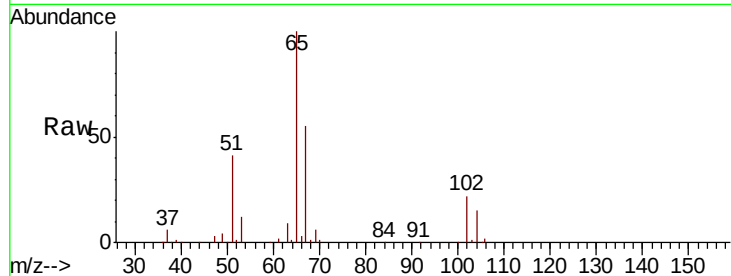




#33
 1,2-Dichloroethane-d4
 Concen: 53.357 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY000452.D
 Acq: 28 Oct 2019 14:15

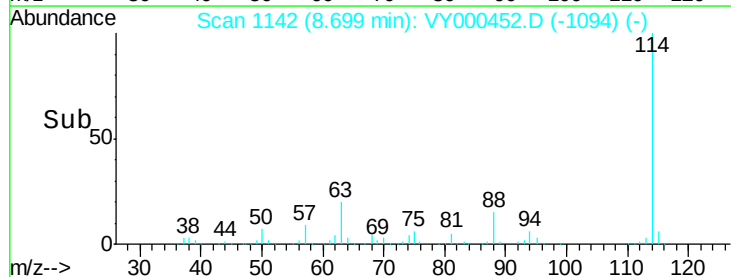
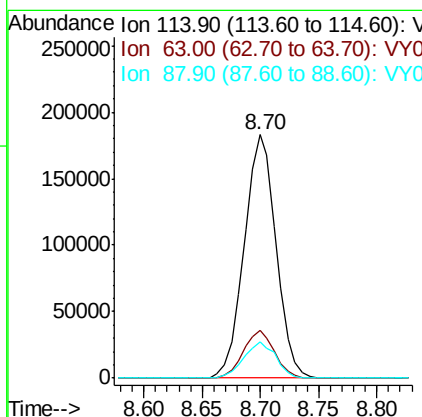
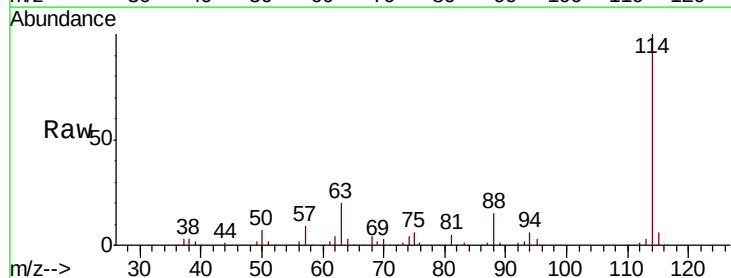
Instrument :
 MSVOA_Y
 ClientSampled :

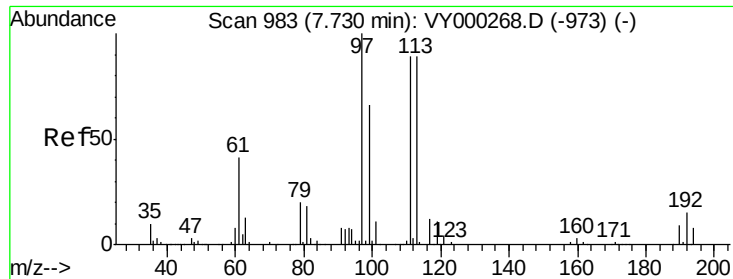
Tot Ion: 65 Resp: 115317
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000452.D
 Acq: 28 Oct 2019 14:15

Tgt Ion: 114 Resp: 349058
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 37.2
 88 15.0 0.0 30.2

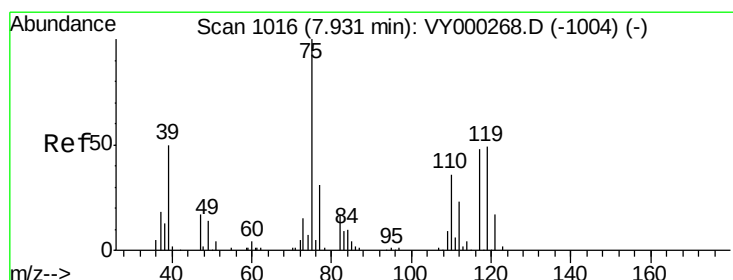
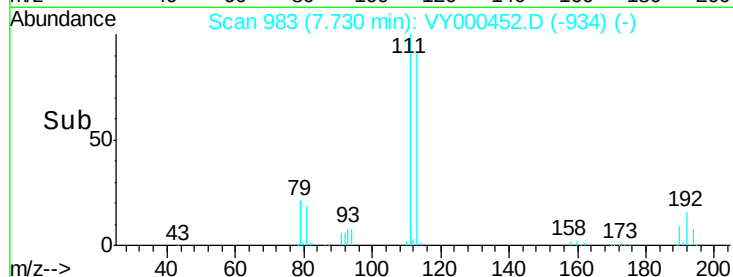
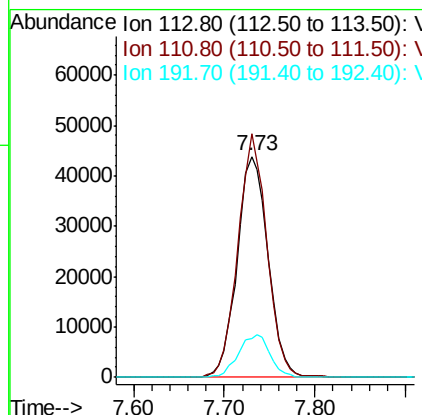
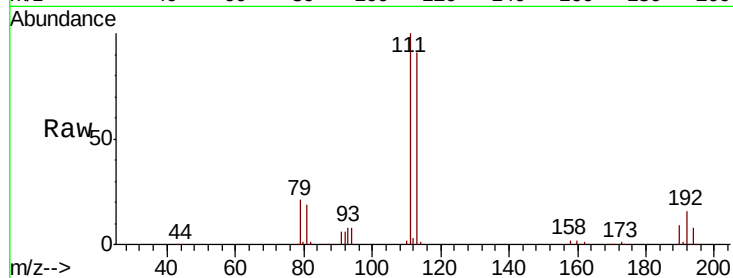




#35
 Dibromofluoromethane
 Concen: 49.399 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000452.D
 Acq: 28 Oct 2019 14:15

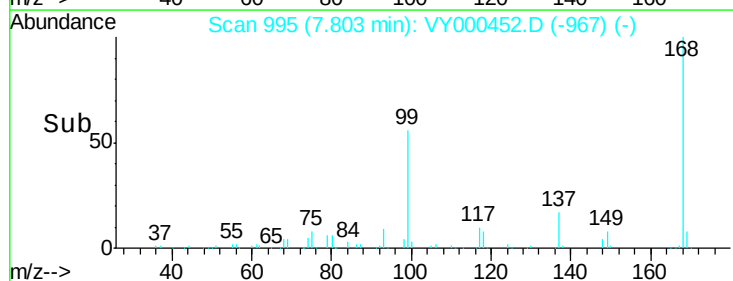
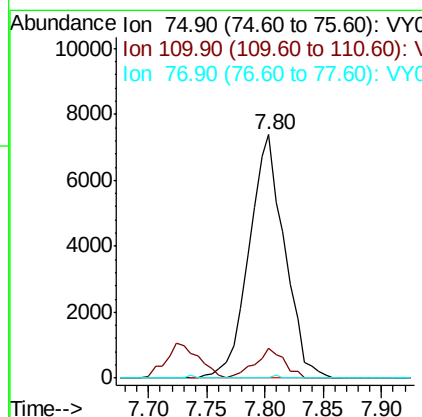
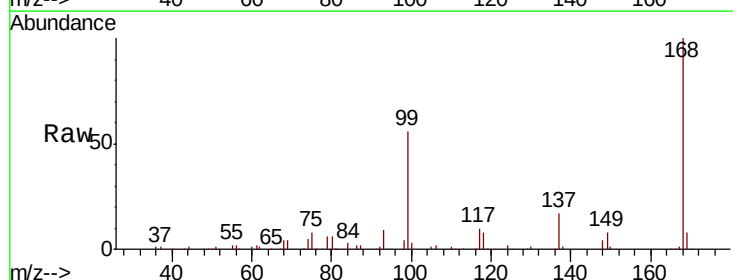
Instrument :
 MSVOA_Y
 ClientSampleId :

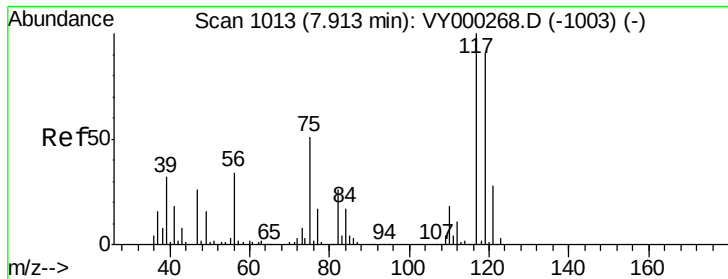
Tot Ion:113 Resp: 104011
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.6 122.4
 192 19.6 15.3 22.9



#36
 1,1-Dichloropropene
 Concen: 4.565 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000452.D
 Acq: 28 Oct 2019 14:15

Tgt Ion: 75 Resp: 15601
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.4 55.4#
 77 0.2 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.742 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000452.D

Acq: 28 Oct 2019 14:15

Instrument :

MSVOA_Y

ClientSampleId :

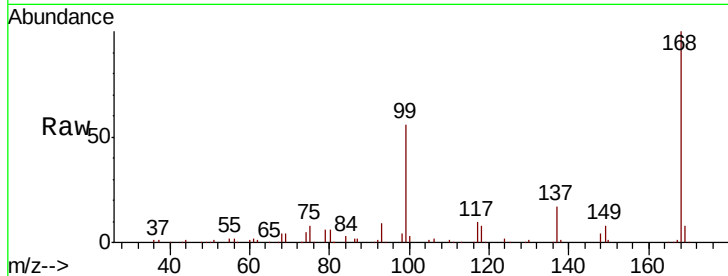
Tot Ion:117 Resp: 18999

Ion Ratio Lower Upper

117 100

119 3.2 72.8 109.2#

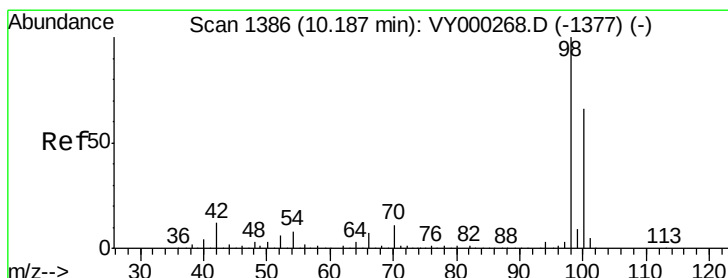
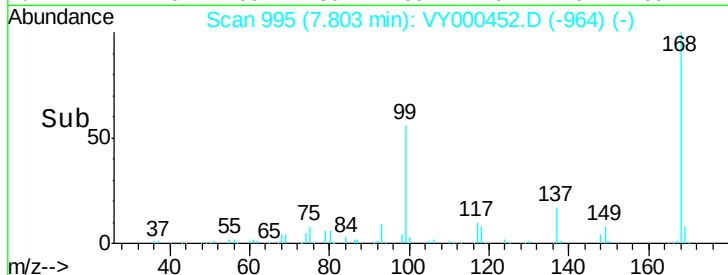
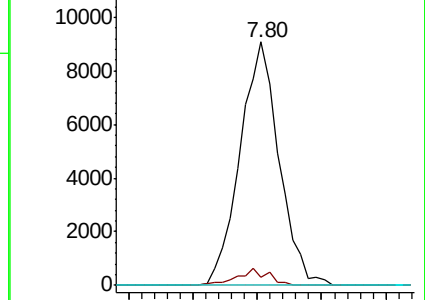
121 0.0 22.2 33.2#



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: 50.172 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000452.D

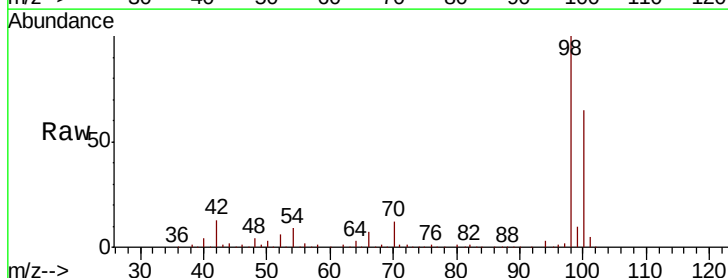
Acq: 28 Oct 2019 14:15

Tgt Ion: 98 Resp: 406372

Ion Ratio Lower Upper

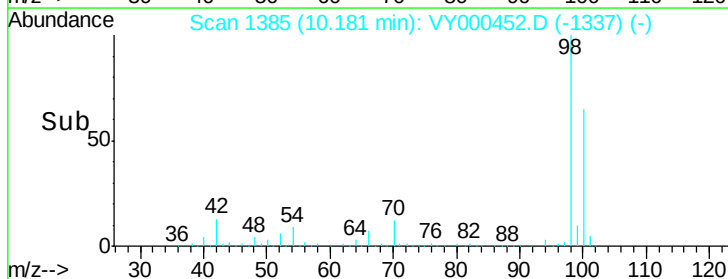
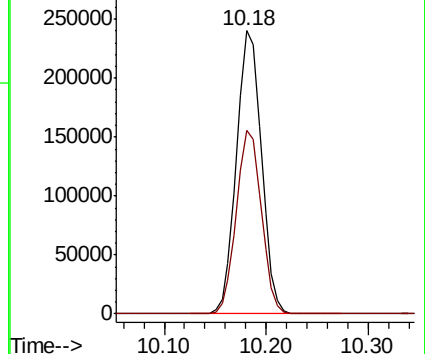
98 100

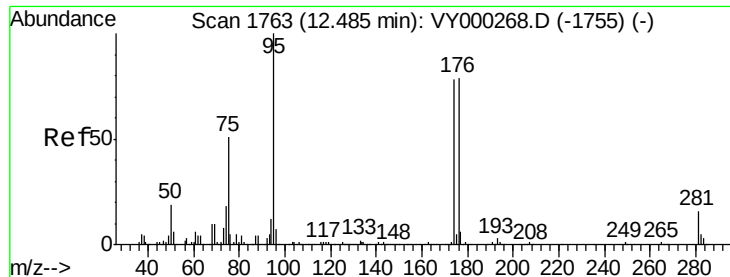
100 64.7 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

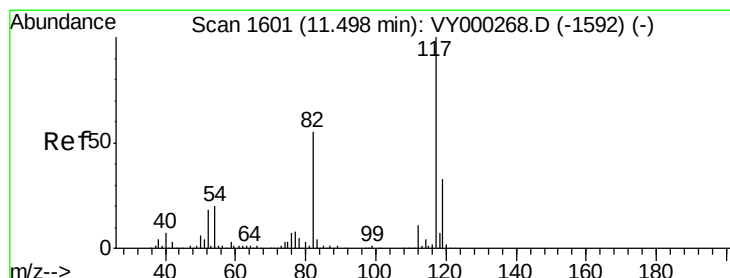
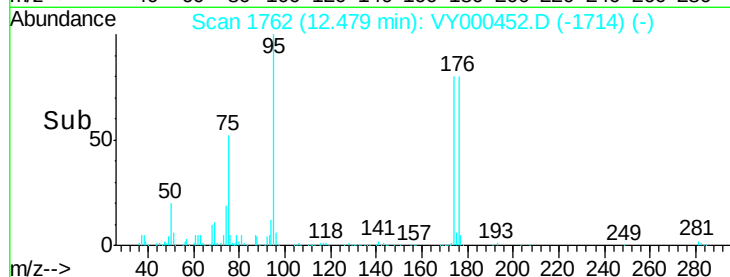
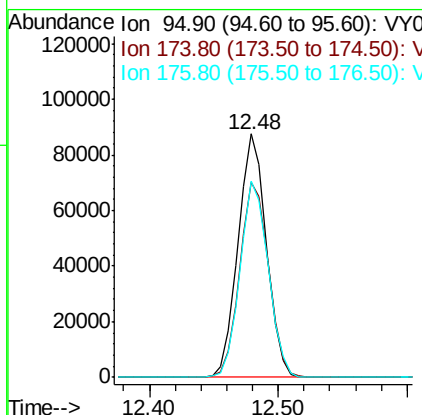
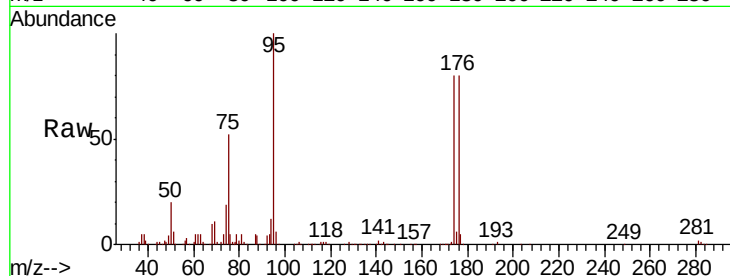




#62
4-Bromofluorobenzene
Concen: 43.203 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000452.D
Acq: 28 Oct 2019 14:15

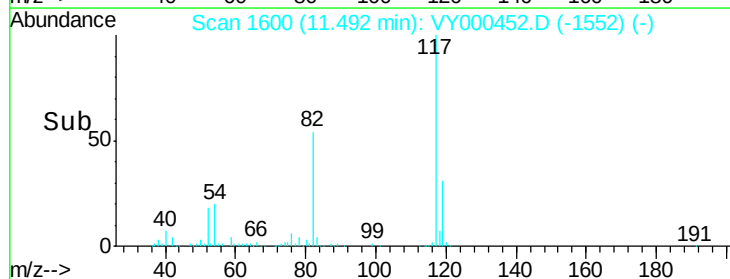
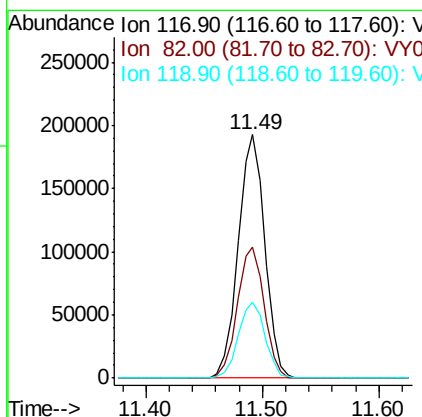
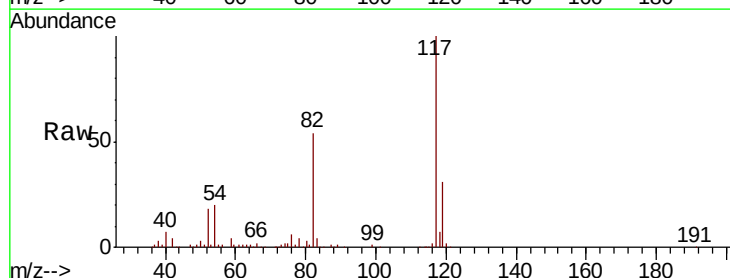
Instrument :
MSVOA_Y
ClientSampleId :

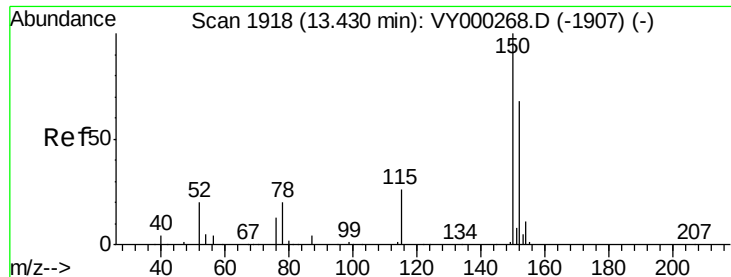
Tot Ion	95	Resp	132940
Ion Ratio	Lower	Upper	
95	100		
174	81.3	0.0	159.6
176	79.7	0.0	153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000452.D
Acq: 28 Oct 2019 14:15

Tgt Ion	117	Resp	306865
Ion Ratio	Lower	Upper	
117	100		
82	53.7	43.7	65.5
119	31.0	26.6	39.8



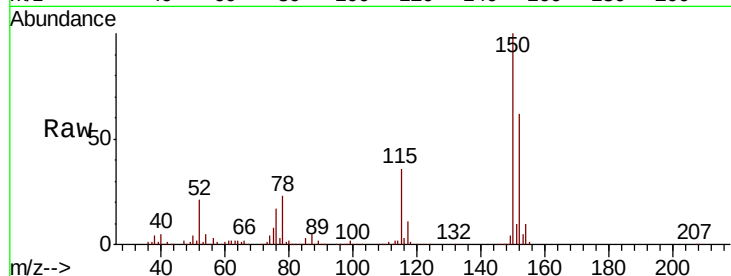


#72

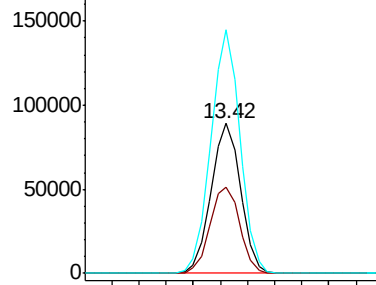
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000452.D
Acq: 28 Oct 2019 14:15

Instrument :
MSVOA_Y
ClientSampleId :

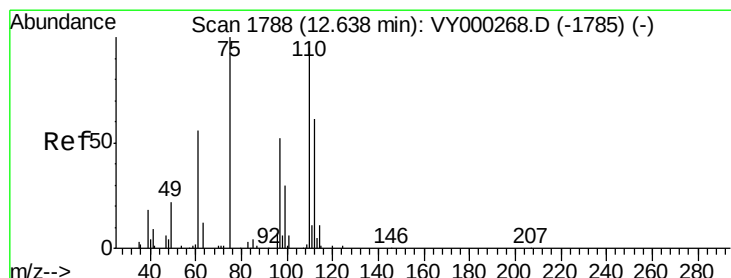
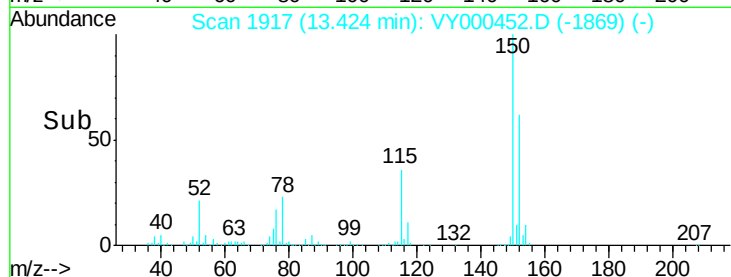
Tot Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.3	88.0
150	159.9	0.0	348.4



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



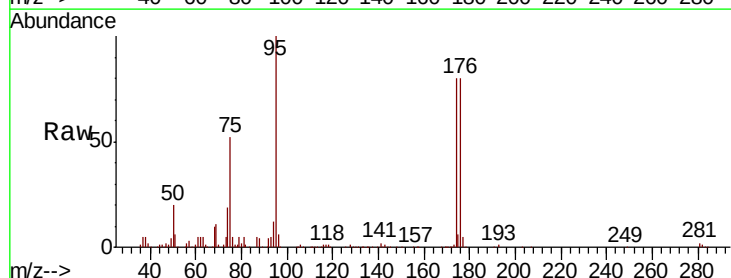
Time-->



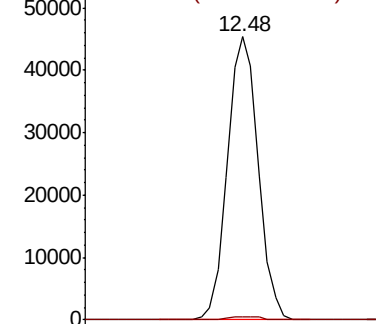
#76

1,2,3-Trichloropropane
Concen: 43.223 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000452.D
Acq: 28 Oct 2019 14:15

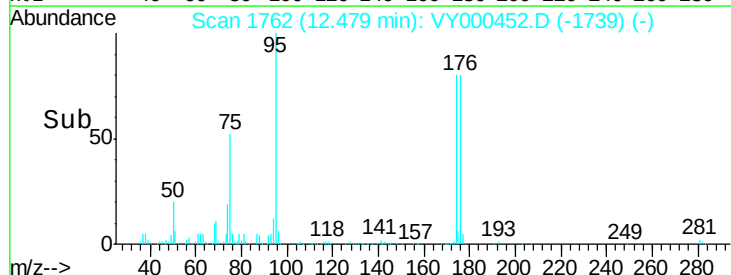
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#

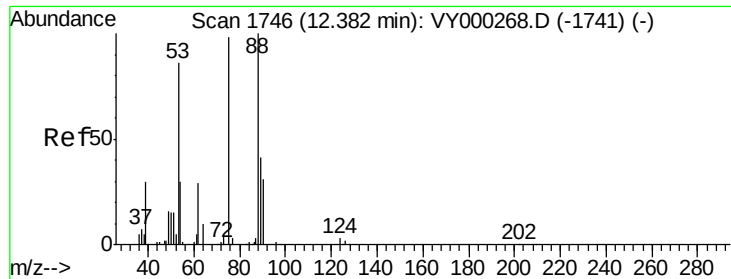


Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 94.571 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000452.D

Acq: 28 Oct 2019 14:15

Instrument :

MSVOA_Y

ClientSampleId :

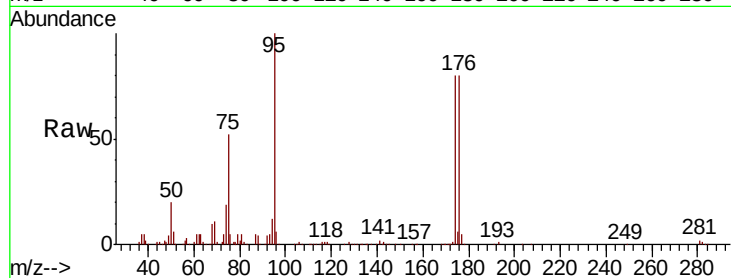
Tot Ion: 75 Resp: 71893

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.3 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

