

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102819\
 Data File : VY000457.D
 Acq On : 28 Oct 2019 16:10
 Operator : SY/MD
 Sample : K5576-04
 Misc : 5.20G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 29 10:46:07 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	190459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	330451	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	276656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	101227	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	112605	56.05	ug/l	0.00
Spiked Amount			Recovery	=	112.10%	
35) Dibromofluoromethane	7.73	113	97033	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
50) Toluene-d8	10.18	98	375883	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
62) 4-Bromofluorobenzene	12.48	95	109682	37.65	ug/l	0.00
Spiked Amount			Recovery	=	75.30%	

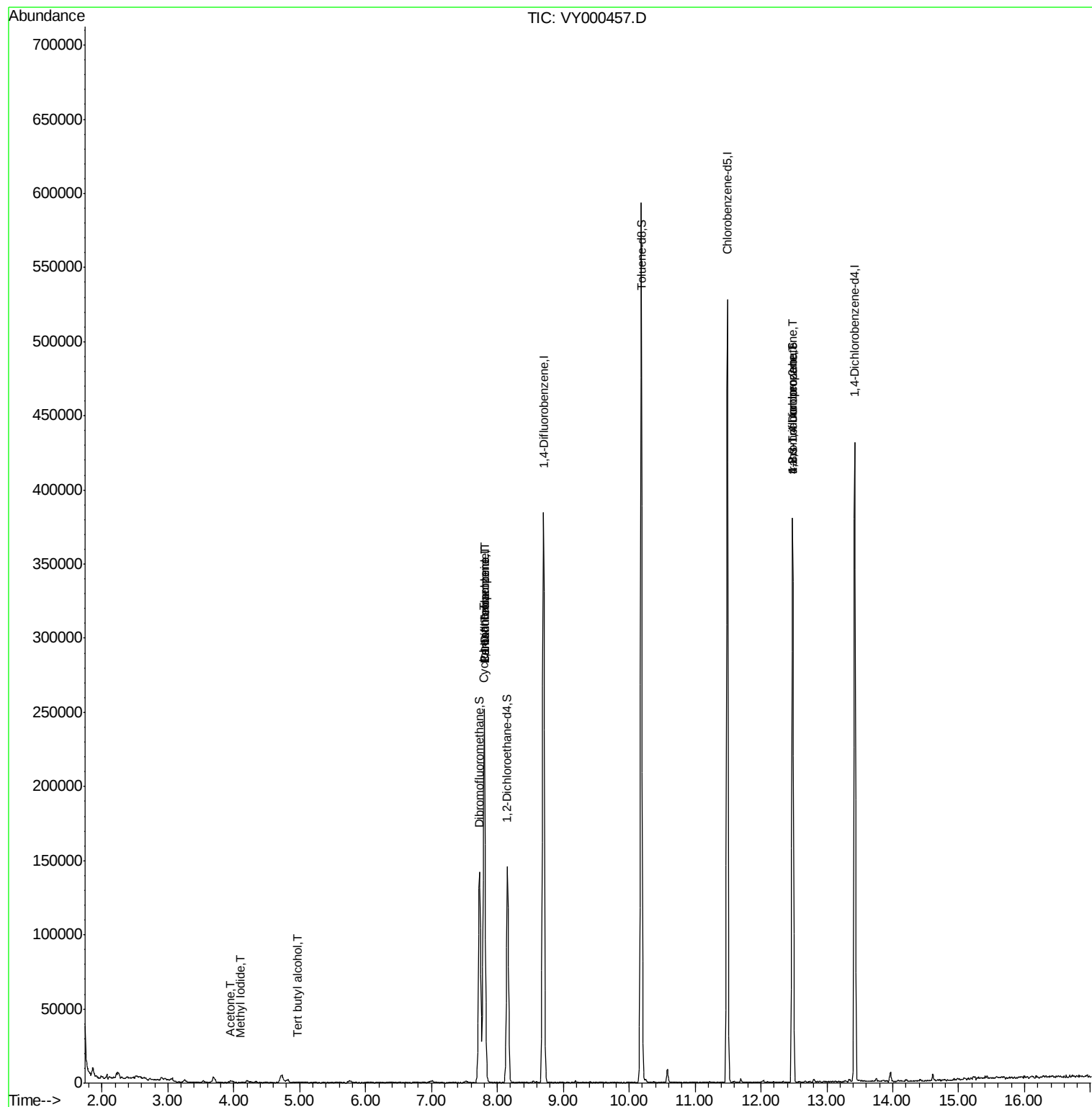
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	64	Below Cal	#	41
10) Methyl Iodide	4.10	142	74	1.212	ug/l #	41
11) Tert butyl alcohol	4.97	59	411	1.955	ug/l #	73
16) Acetone	3.96	43	2201	3.383	ug/l #	67
20) Methylene Chloride	4.72	84	3617	Below Cal	#	70
31) Cyclohexane	7.79	56	4256	1.107	ug/l #	53
36) 1,1-Dichloropropene	7.80	75	14683	4.538	ug/l #	48
38) Carbon Tetrachloride	7.80	117	19593	6.255	ug/l #	19
76) 1,2,3-Trichloropropane	12.48	75	59090	47.472	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	59090	103.866	ug/l #	14

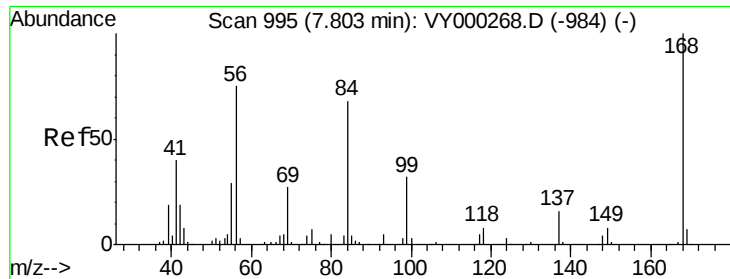
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 17 02:03:07 2019
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: VY000457.D

Acq: 28 Oct 2019 16:10

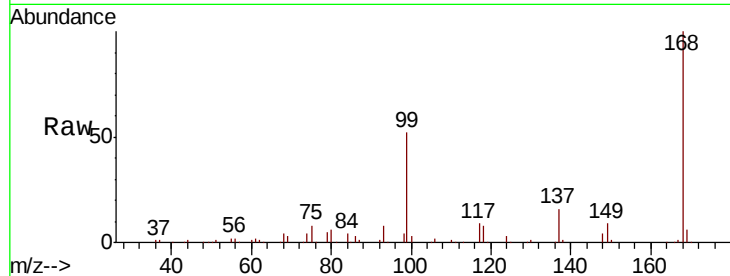
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 190459

Ion Ratio Lower Upper

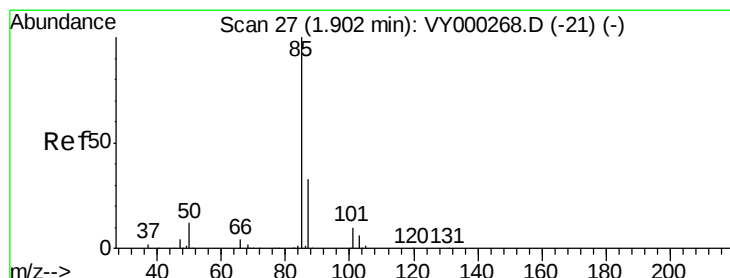
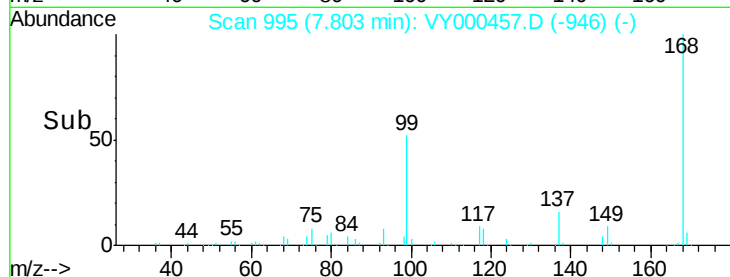
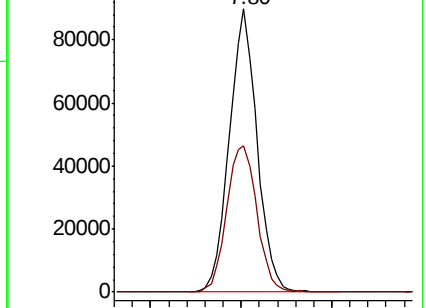
168 100

99 51.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000268.D (-984) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000457.D

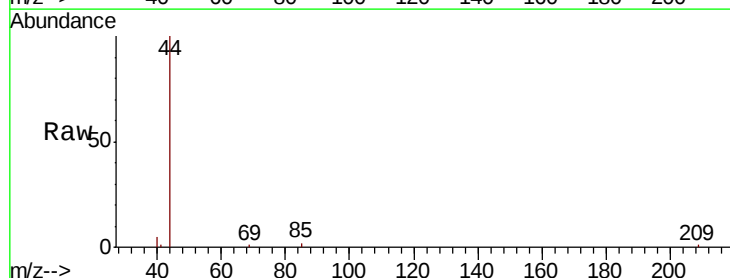
Acq: 28 Oct 2019 16:10

Tgt Ion: 85 Resp: 64

Ion Ratio Lower Upper

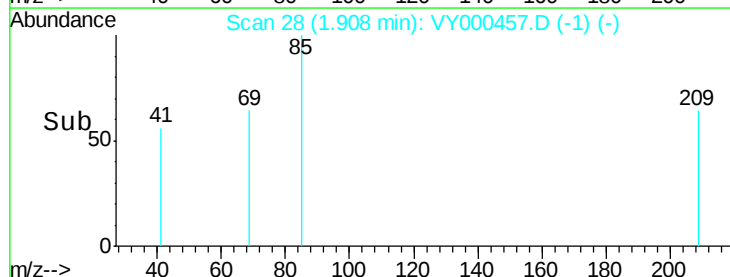
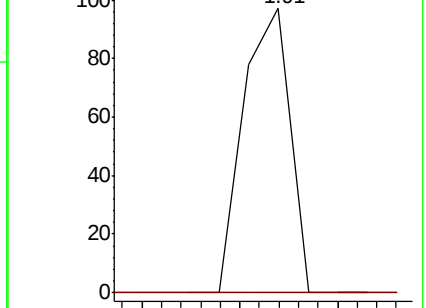
85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000268.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY000268.D (-21) (-)





#10

Methyl Iodide

Concen: 1.212 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

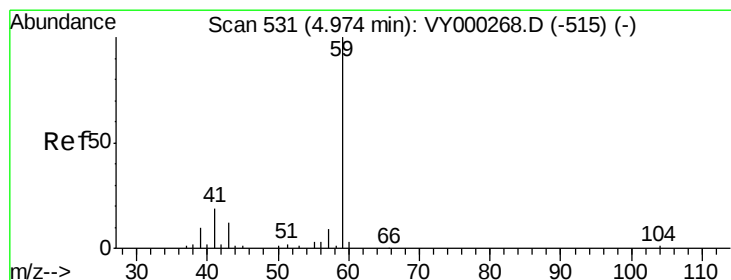
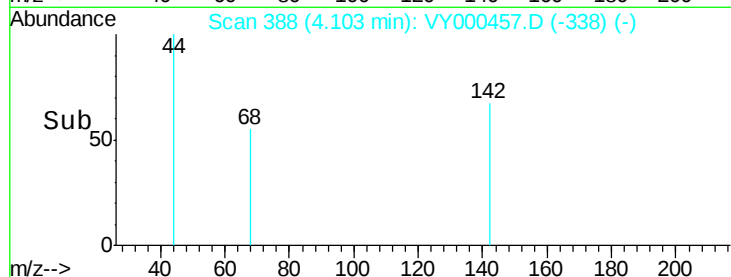
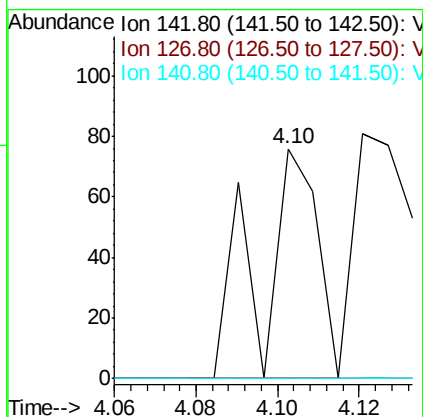
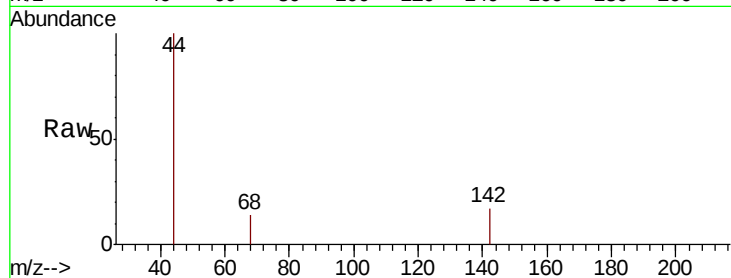
Lab File: VY000457.D

Acq: 28 Oct 2019 16:10

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 142 Resp: 74

Ion	Ratio	Lower	Upper
142	100		
127	0.0	33.9	50.9#
141	0.0	11.2	16.8#



#11

Tert butyl alcohol

Concen: 1.955 ug/l

RT: 4.97 min Scan# 531

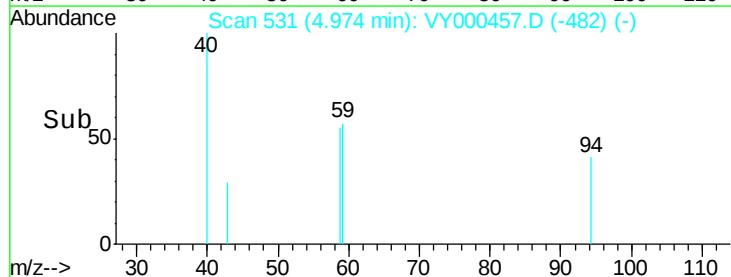
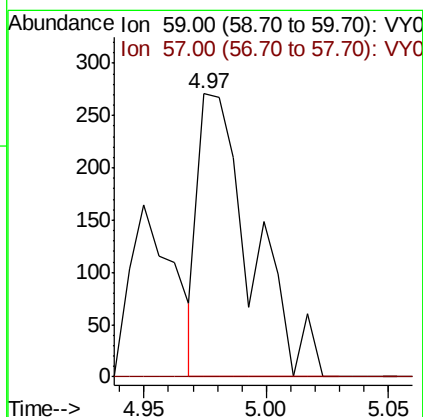
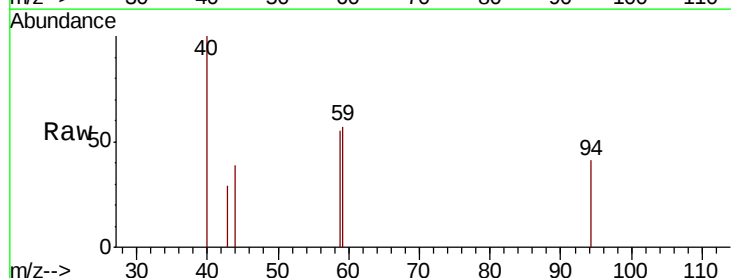
Delta R.T. -0.00 min

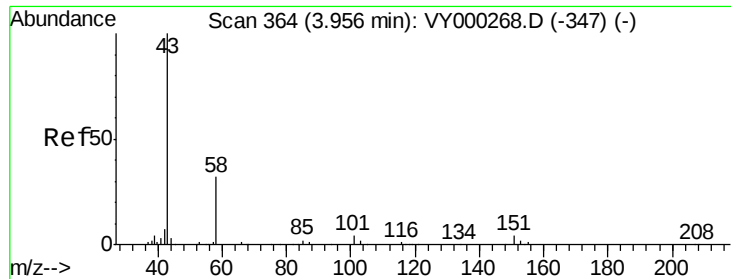
Lab File: VY000457.D

Acq: 28 Oct 2019 16:10

Tgt Ion: 59 Resp: 411

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#





#16

Acetone

Concen: 3.383 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000457.D

Acq: 28 Oct 2019 16:10

Instrument :

MSVOA_Y

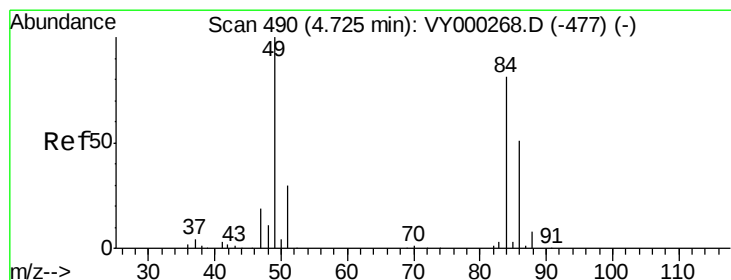
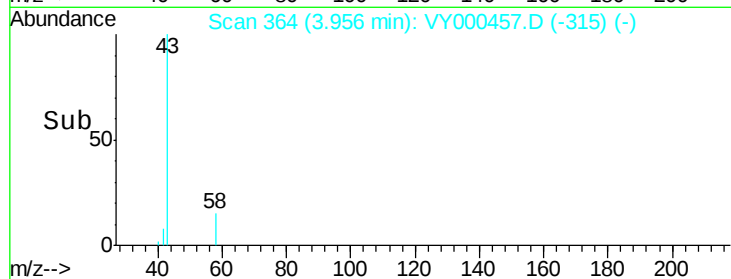
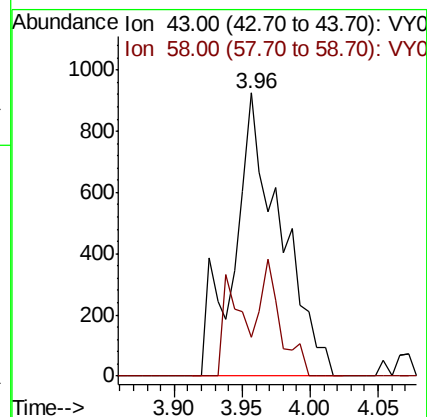
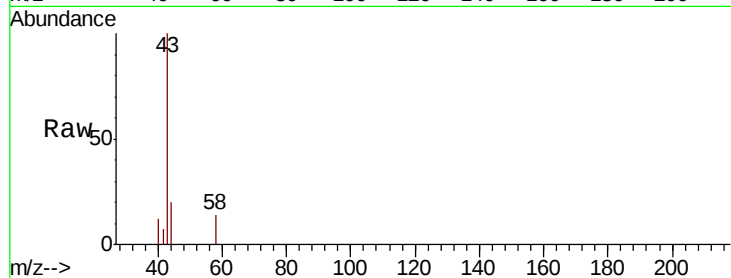
ClientSampled :

Tot Ion: 43 Resp: 2201

Ion Ratio Lower Upper

43 100

58 13.6 25.8 38.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY000457.D

Acq: 28 Oct 2019 16:10

Tgt Ion: 84 Resp: 3617

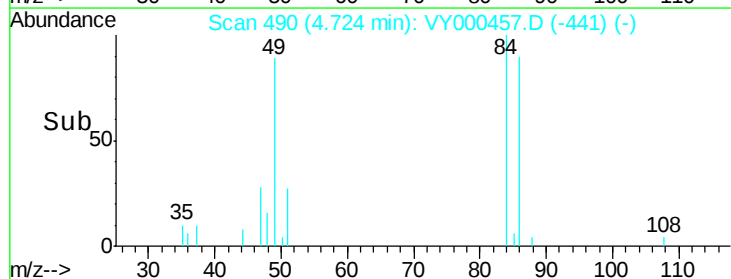
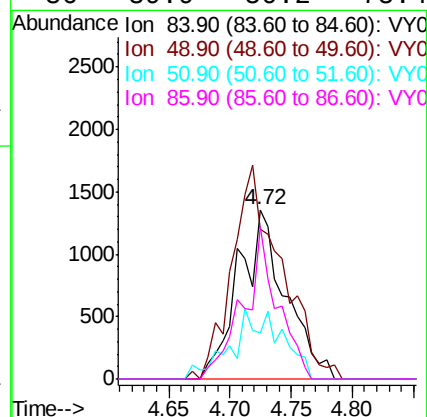
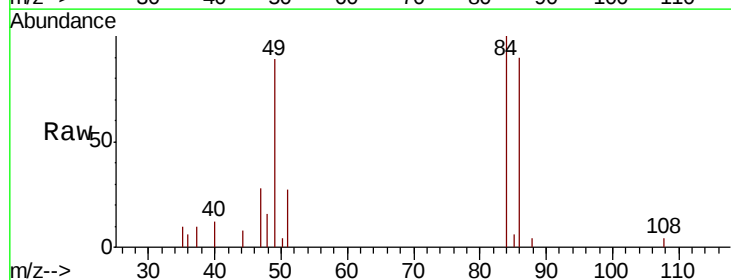
Ion Ratio Lower Upper

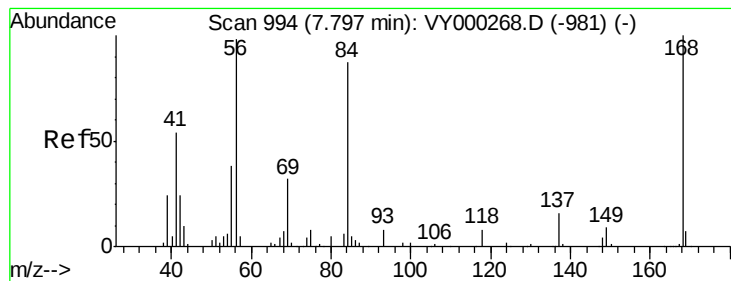
84 100

49 88.8 99.0 148.4#

51 27.2 29.3 43.9#

86 89.9 50.2 75.4#





#31

Cyclohexane

Concen: 1.107 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000457.D

Acq: 28 Oct 2019 16:10

Instrument :

MSVOA_Y

ClientSampled :

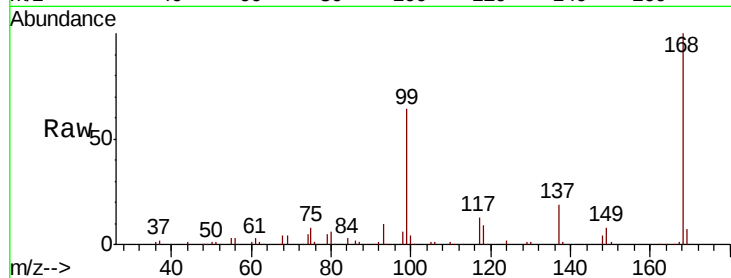
Tot Ion: 56 Resp: 4256

Ion Ratio Lower Upper

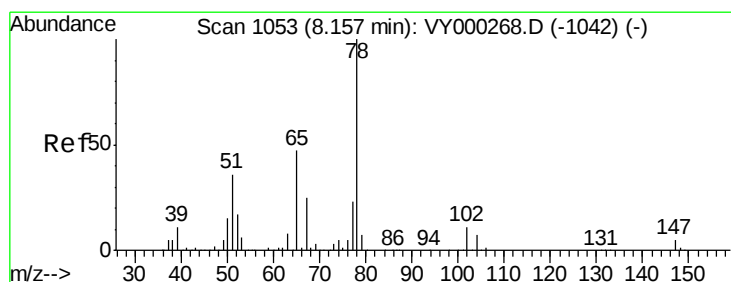
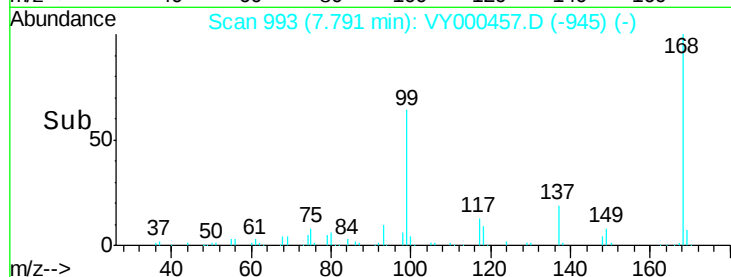
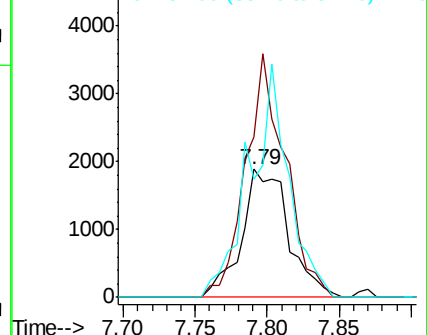
56 100

69 124.7 26.3 39.5#

84 92.3 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: 56.049 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000457.D

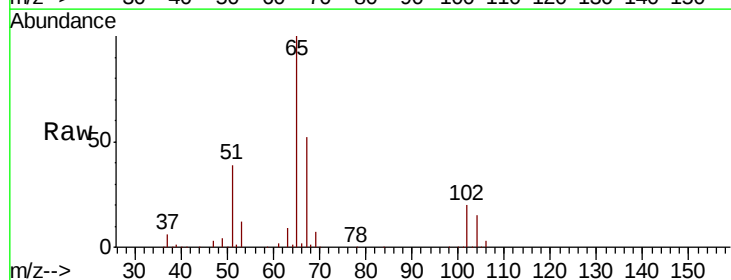
Acq: 28 Oct 2019 16:10

Tgt Ion: 65 Resp: 112605

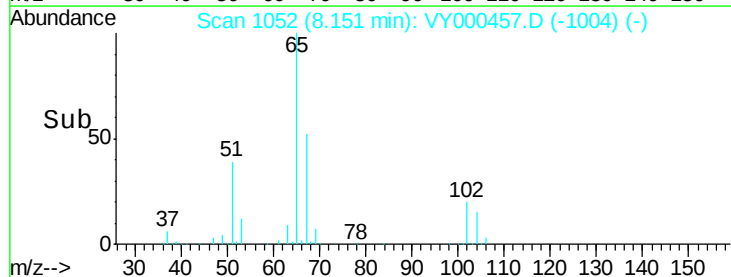
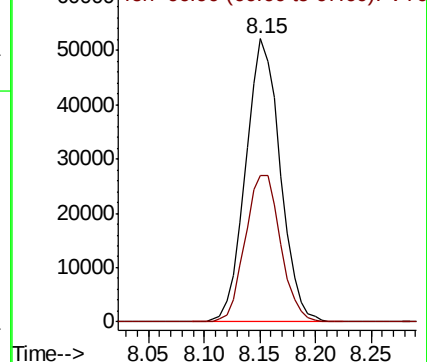
Ion Ratio Lower Upper

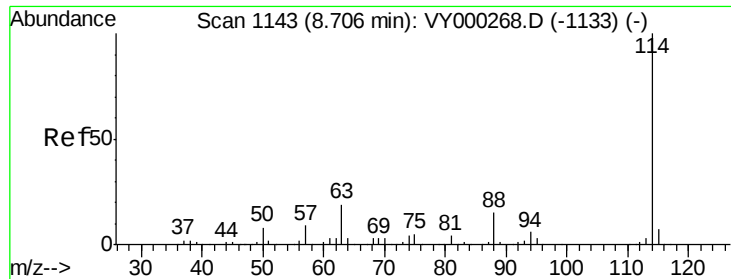
65 100

67 53.2 0.0 109.4



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

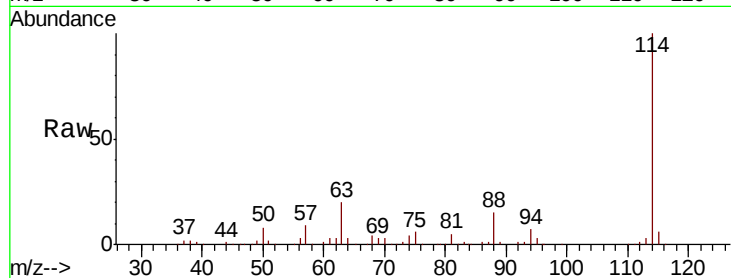




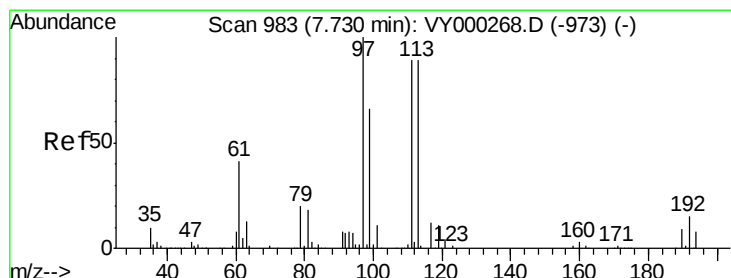
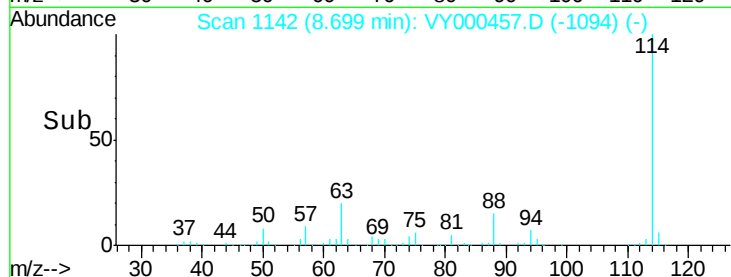
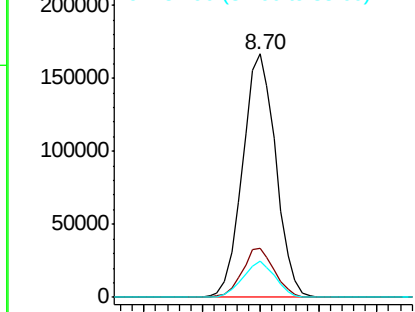
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VY000457.D
Acq: 28 Oct 2019 16:10

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:114 Resp: 330451
Ion Ratio Lower Upper
114 100
63 20.1 0.0 37.2
88 14.9 0.0 30.2

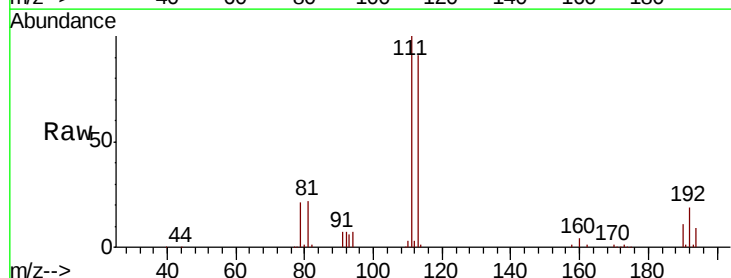


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

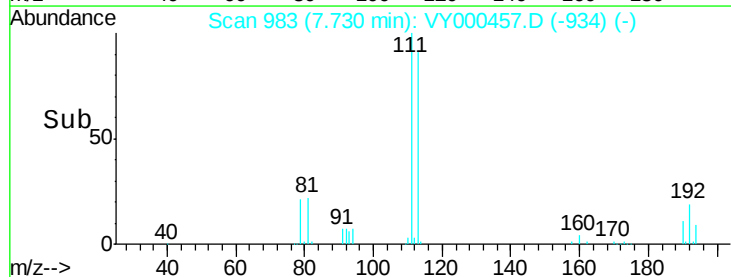
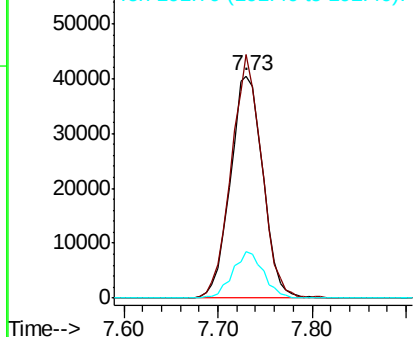


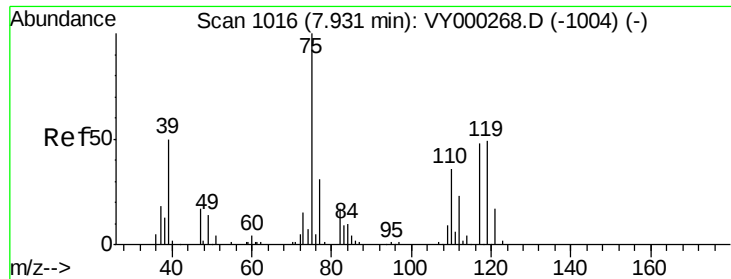
#35
Dibromofluoromethane
Concen: 48.679 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000457.D
Acq: 28 Oct 2019 16:10

Tgt Ion:113 Resp: 97033
Ion Ratio Lower Upper
113 100
111 102.7 81.6 122.4
192 19.8 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

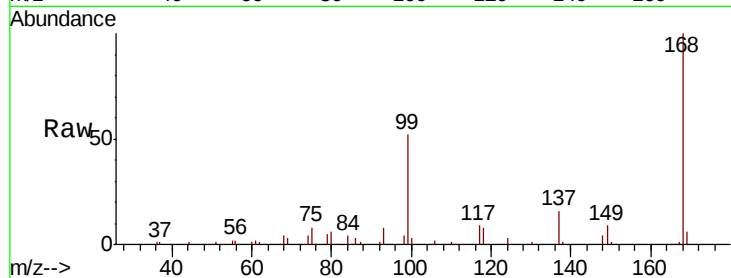




#36
 1,1-Dichloropropene
 Concen: 4.538 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000457.D
 Acq: 28 Oct 2019 16:10

Instrument :
 MSVOA_Y
 ClientSampleId :

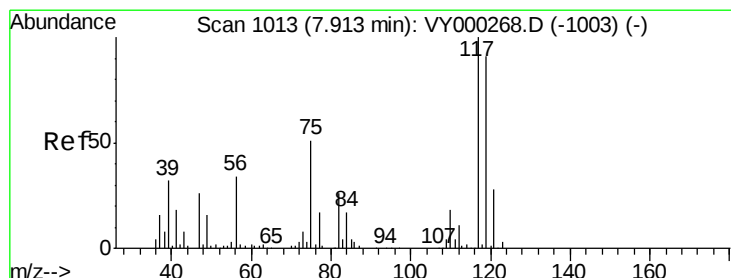
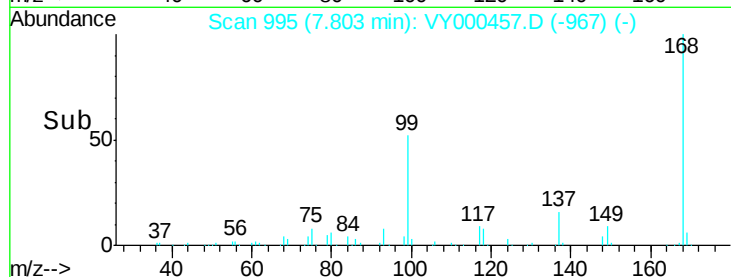
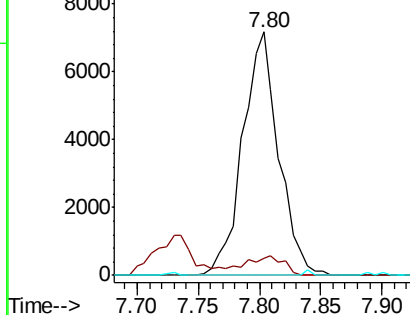
Tot Ion	75	Resp	14683
Ion Ratio	Lower	Upper	
75	100		
110	8.4	18.4	55.4#
77	0.0	25.0	37.6#



Abundance Ion 74.90 (74.60 to 75.60): VY000457.D (-967) (-)

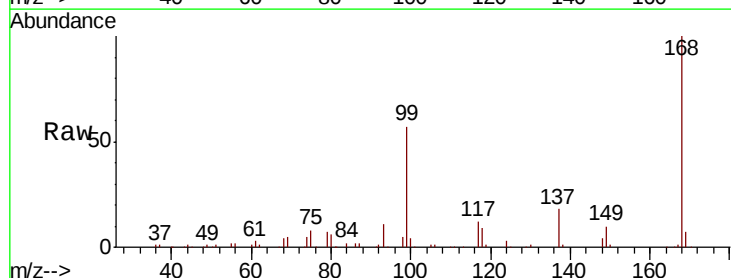
Ion 109.90 (109.60 to 110.60): VY000457.D (-967) (-)

Ion 76.90 (76.60 to 77.60): VY000457.D (-967) (-)



#38
 Carbon Tetrachloride
 Concen: 6.255 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000457.D
 Acq: 28 Oct 2019 16:10

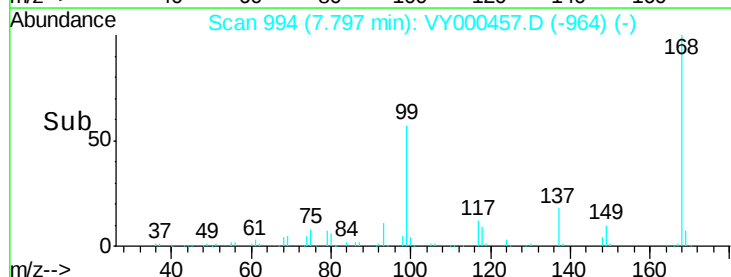
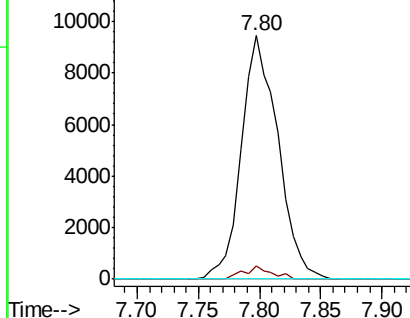
Tgt Ion	117	Resp	19593
Ion Ratio	Lower	Upper	
117	100		
119	5.6	72.8	109.2#
121	0.0	22.2	33.2#

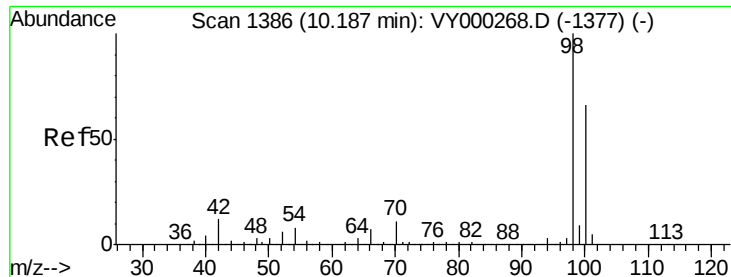


Abundance Ion 116.80 (116.50 to 117.50): VY000457.D (-964) (-)

Ion 118.80 (118.50 to 119.50): VY000457.D (-964) (-)

Ion 120.80 (120.50 to 121.50): VY000457.D (-964) (-)





#50

Toluene-d8

Concen: 49.021 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000457.D

Acq: 28 Oct 2019 16:10

Instrument :

MSVOA_Y

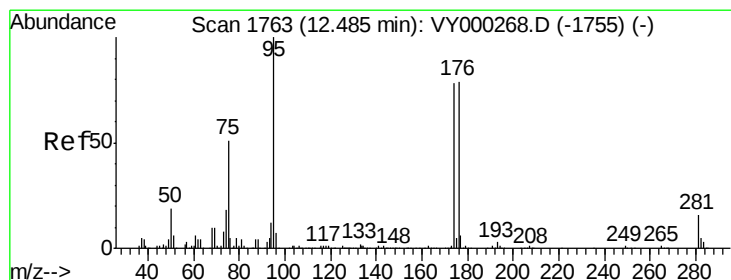
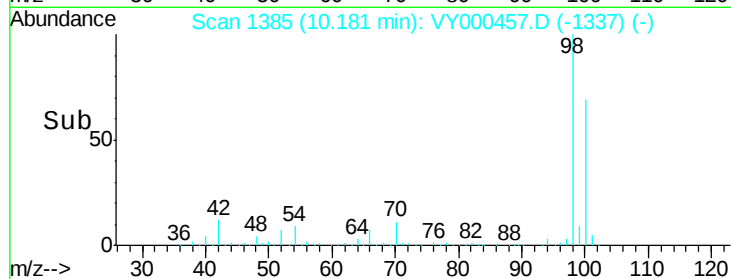
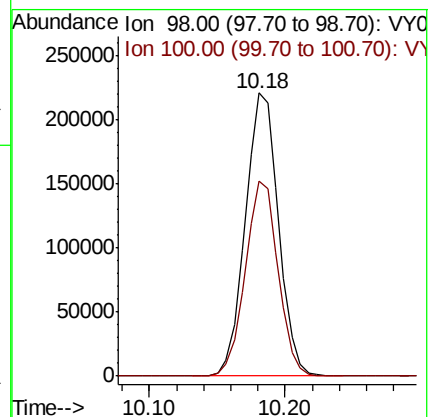
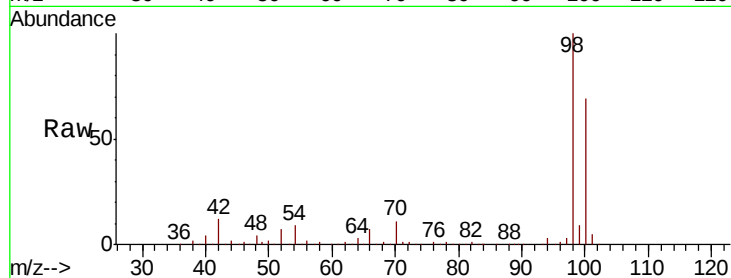
ClientSampleId :

Tot Ion: 98 Resp: 375883

Ion Ratio Lower Upper

98 100

100 68.1 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 37.652 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000457.D

Acq: 28 Oct 2019 16:10

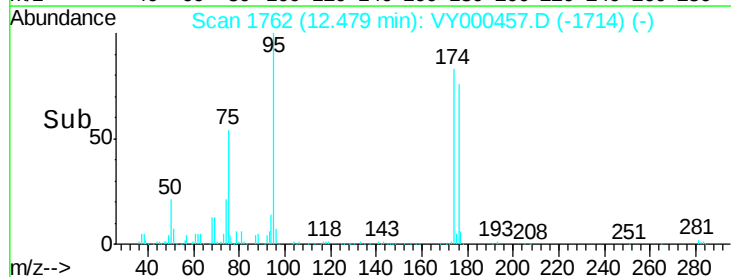
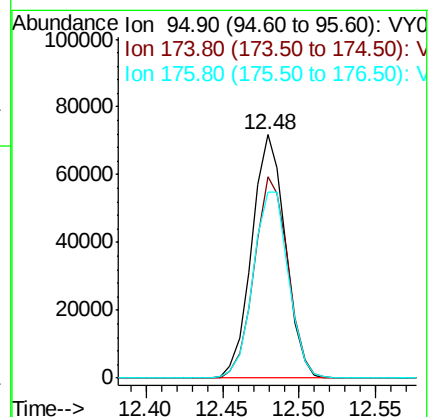
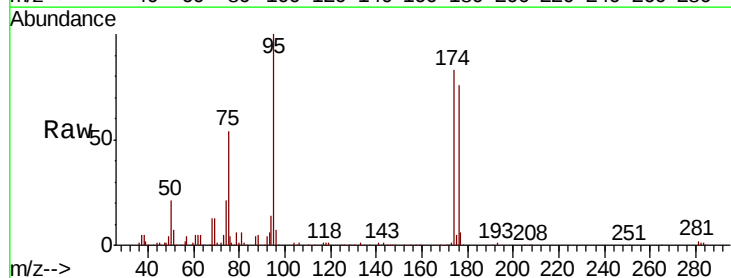
Tgt Ion: 95 Resp: 109682

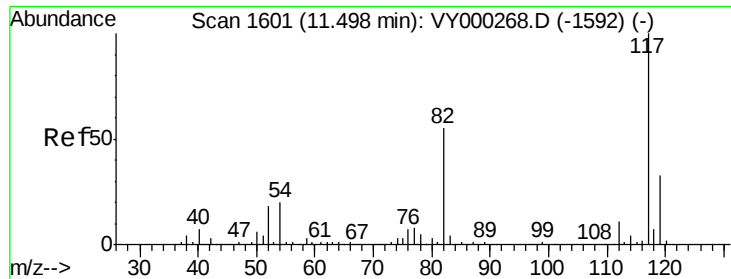
Ion Ratio Lower Upper

95 100

174 83.3 0.0 159.6

176 80.3 0.0 153.8

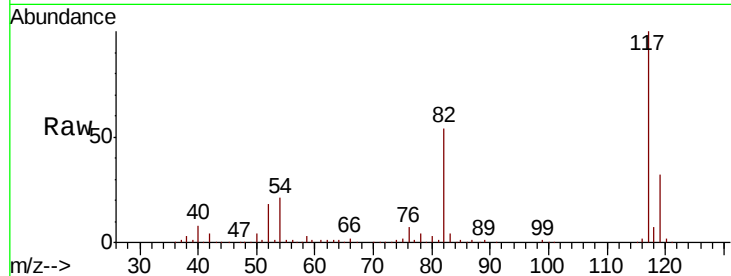




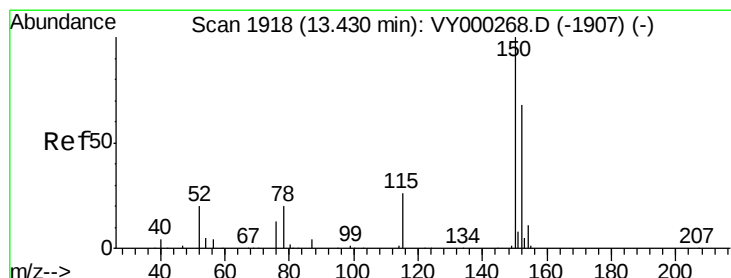
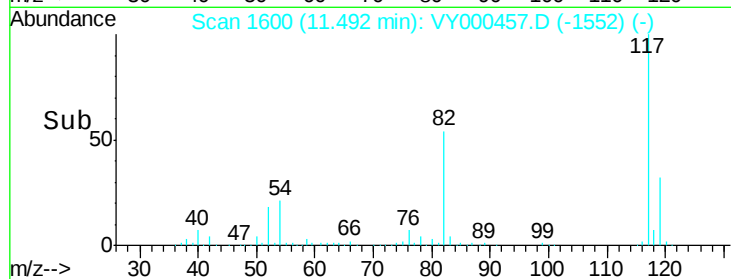
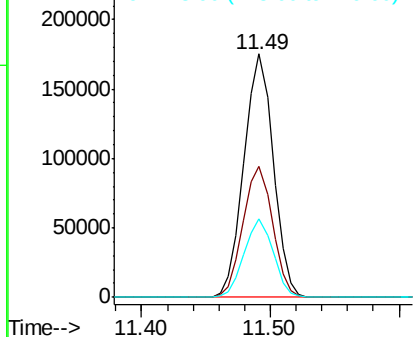
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000457.D
Acq: 28 Oct 2019 16:10

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 276656
Ion Ratio Lower Upper
117 100
82 53.8 43.7 65.5
119 32.1 26.6 39.8

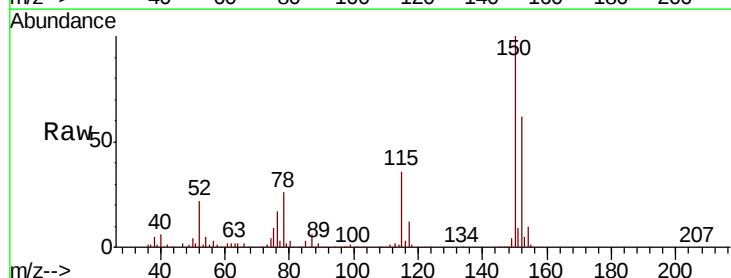


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

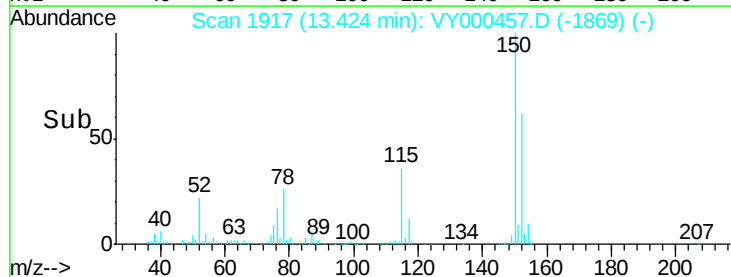
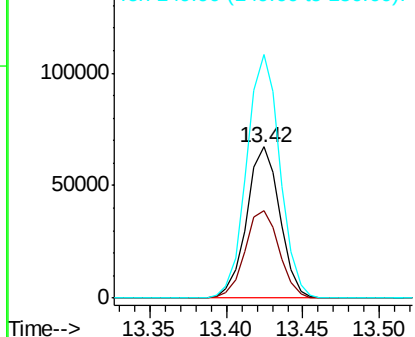


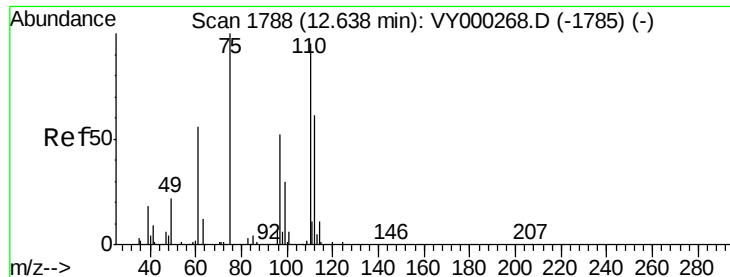
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000457.D
Acq: 28 Oct 2019 16:10

Tgt Ion:152 Resp: 101227
Ion Ratio Lower Upper
152 100
115 59.5 29.3 88.0
150 161.6 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

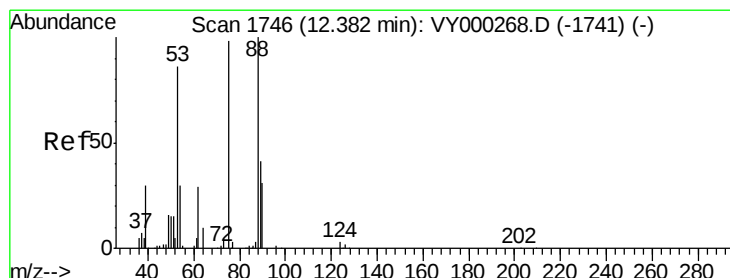
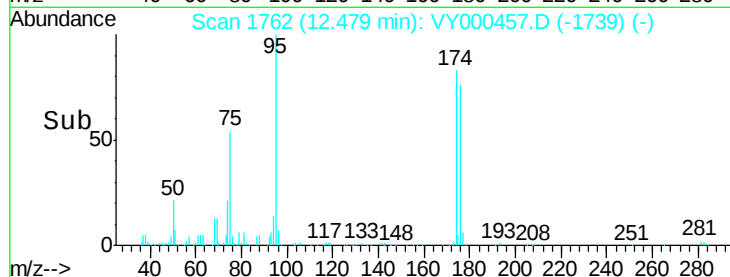
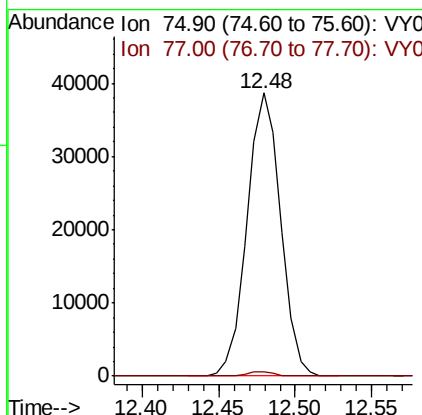
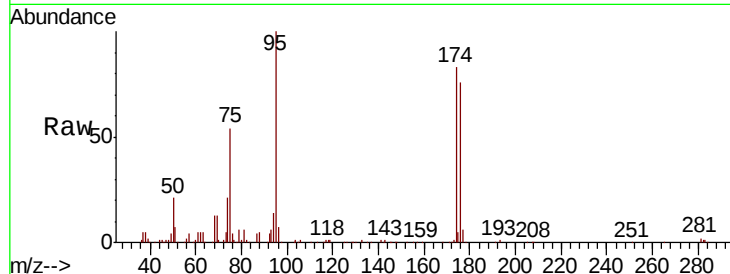




#76
 1,2,3-Trichloropropane
 Concen: 47.472 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.16 min
 Lab File: VY000457.D
 Acq: 28 Oct 2019 16:10

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 59090
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.866 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY000457.D
 Acq: 28 Oct 2019 16:10

Tgt Ion: 75 Resp: 59090
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.3 106.9#
 89 0.0 35.1 52.7#

