

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101619\
 Data File : VY000331.D
 Acq On : 16 Oct 2019 15:51
 Operator : SY/MD
 Sample : K5394-10RE
 Misc : 8.01G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 17 01:37:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	266793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	440581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	370110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	152596	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	139905	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
35) Dibromofluoromethane	7.73	113	112126	42.19	ug/l	0.00
Spiked Amount			Recovery	=	84.38%	
50) Toluene-d8	10.18	98	508209	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.48	95	155360	40.00	ug/l	0.00
Spiked Amount			Recovery	=	80.00%	

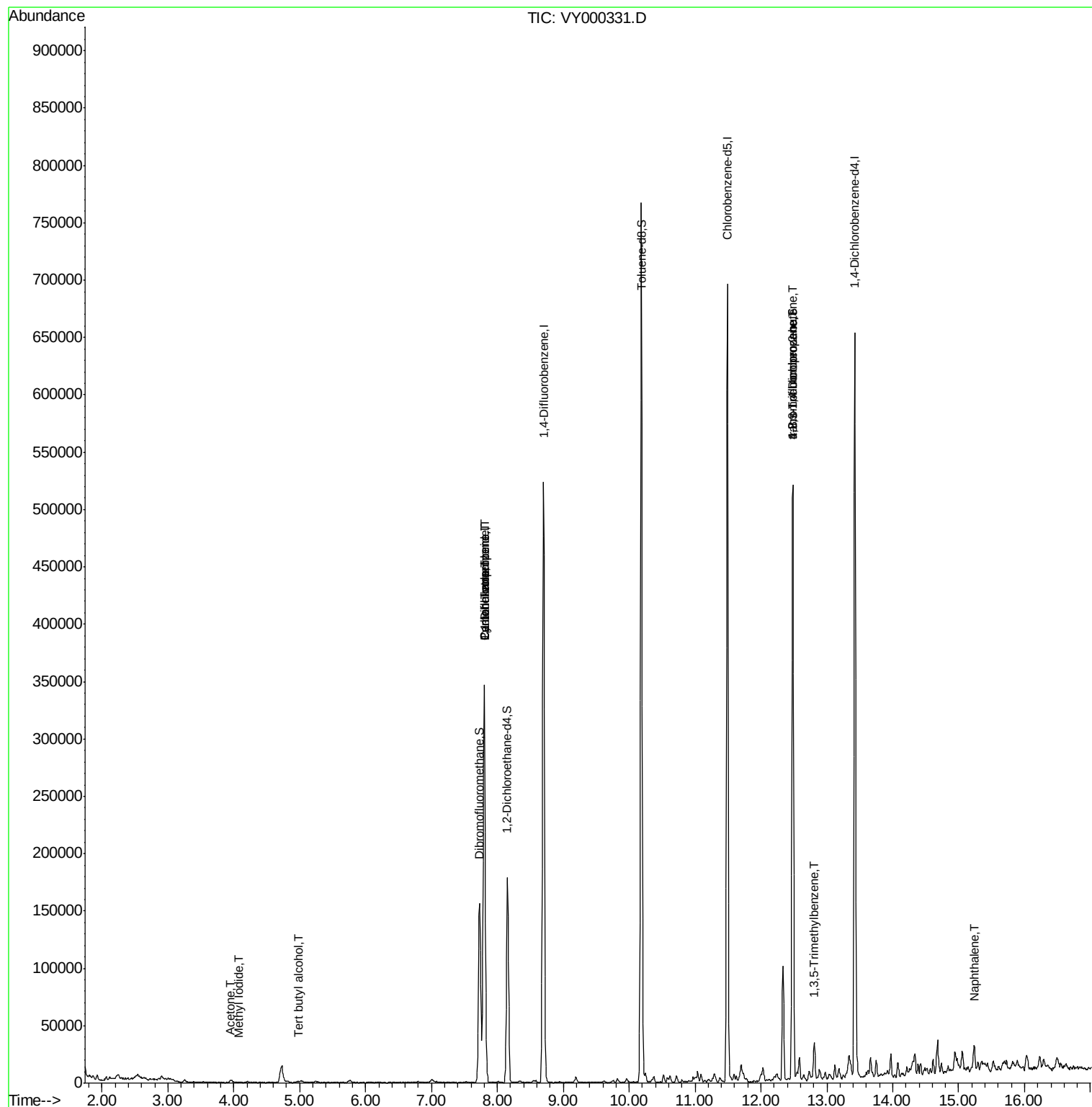
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.93	85	151	Below Cal	#	41
10) Methyl Iodide	4.08	142	78	1.206	ug/l #	41
11) Tert butyl alcohol	4.98	59	576	1.956	ug/l #	73
16) Acetone	3.96	43	4116	4.516	ug/l #	80
20) Methylene Chloride	4.72	84	11259	Below Cal		98
31) Cyclohexane	7.80	56	6460	1.200	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	21225	4.921	ug/l #	48
38) Carbon Tetrachloride	7.80	117	25925	6.207	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	84004	44.768	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	11168	1.119	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.48	75	84004	97.952	ug/l #	14
95) Naphthalene	15.23	128	14866	2.027	ug/l #	94

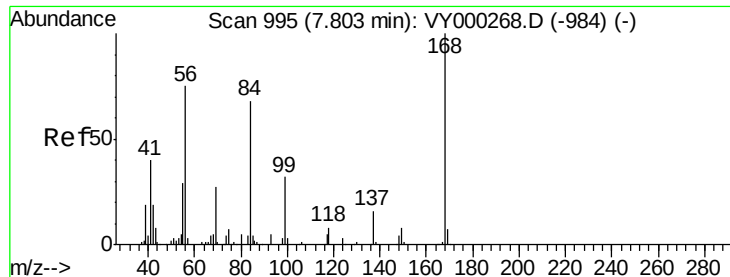
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000331.D

Acq: 16 Oct 2019 15:51

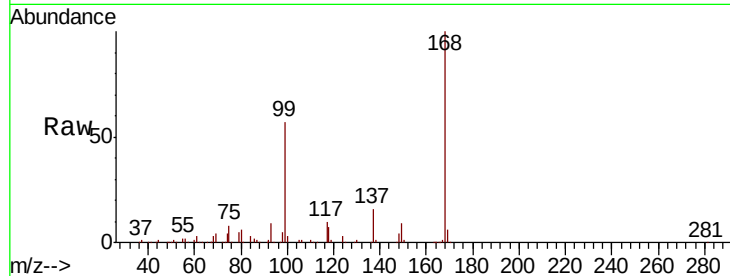
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 266793

Ion Ratio Lower Upper

168 100

99 56.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000331.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000331.D (-946) (-)

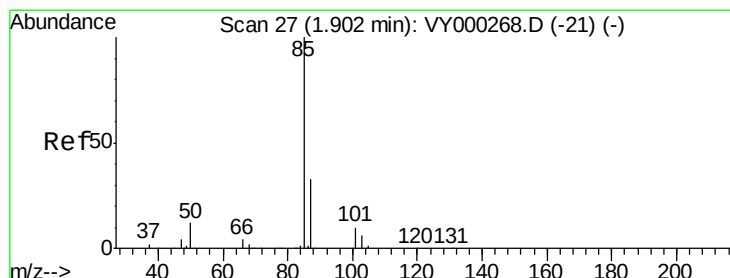
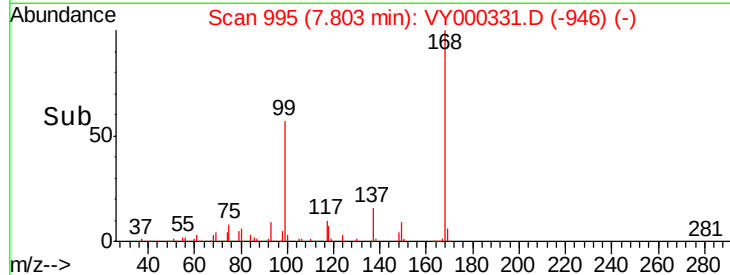
7.80

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.93 min Scan# 31

Delta R.T. 0.03 min

Lab File: VY000331.D

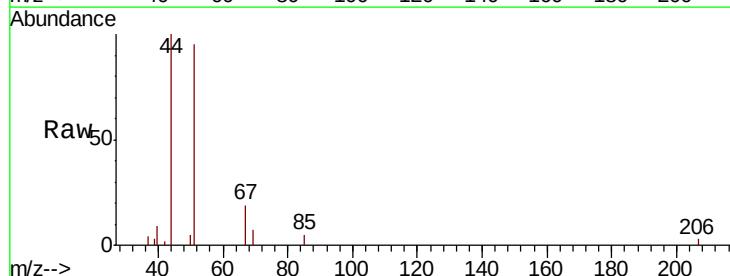
Acq: 16 Oct 2019 15:51

Tgt Ion: 85 Resp: 151

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000331.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000331.D (-1) (-)

1.93

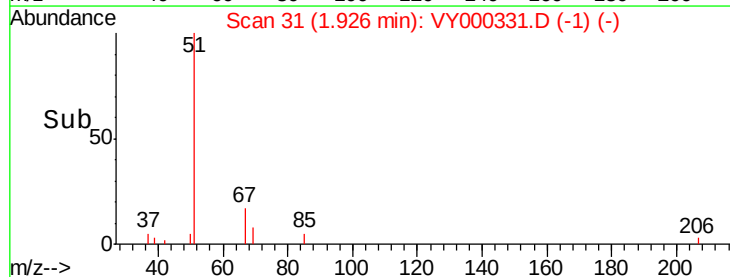
150

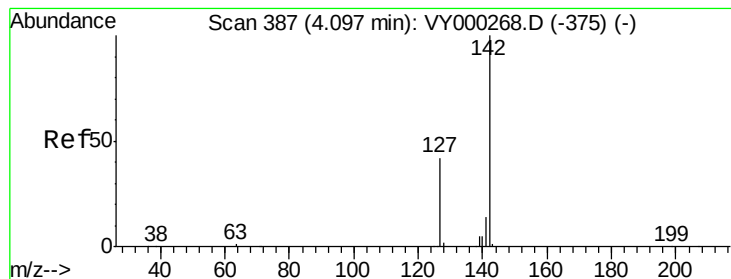
100

50

0

Time-->





#10

Methvl Iodide

Concen: 1.206 ug/l

RT: 4.08 min Scan# 385

Delta R.T. -0.01 min

Lab File: VY000331.D

Acq: 16 Oct 2019 15:51

Instrument :

MSVOA_Y

ClientSampleId :

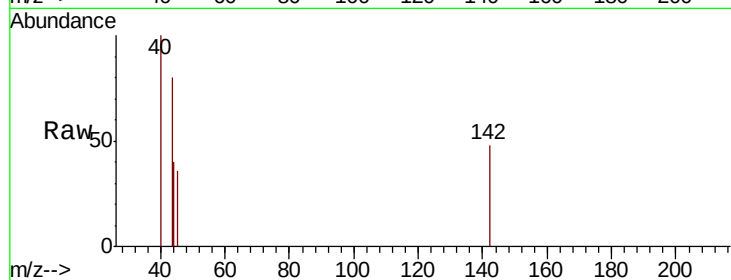
Tot Ion:142 Resp: 78

Ion Ratio Lower Upper

142 100

127 0.0 33.9 50.9#

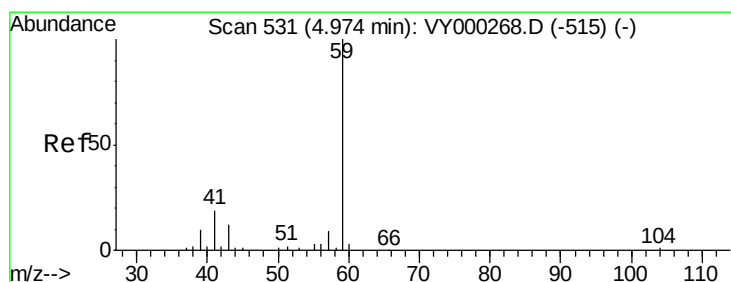
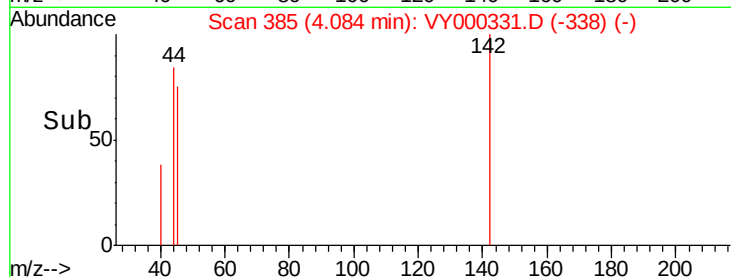
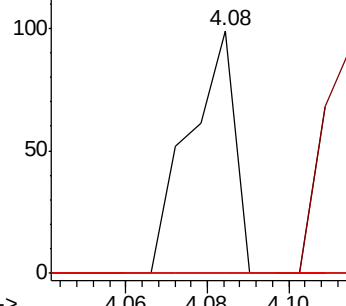
141 0.0 11.2 16.8#



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: 1.956 ug/l

RT: 4.98 min Scan# 532

Delta R.T. 0.01 min

Lab File: VY000331.D

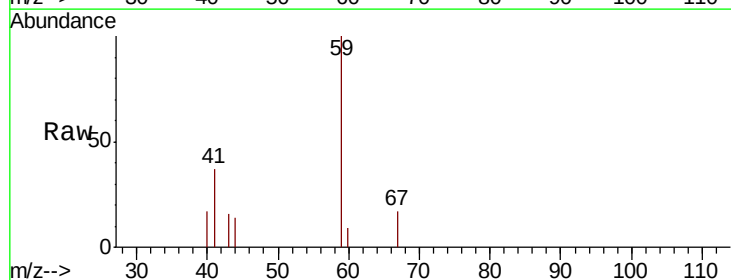
Acq: 16 Oct 2019 15:51

Tgt Ion: 59 Resp: 576

Ion Ratio Lower Upper

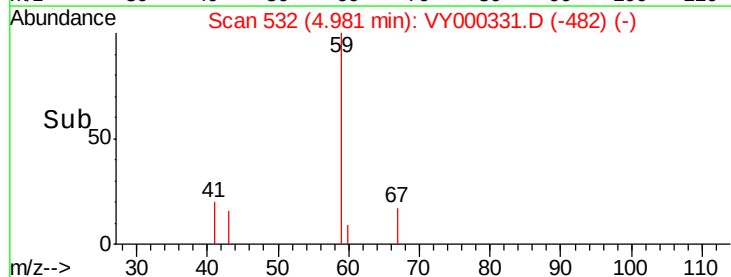
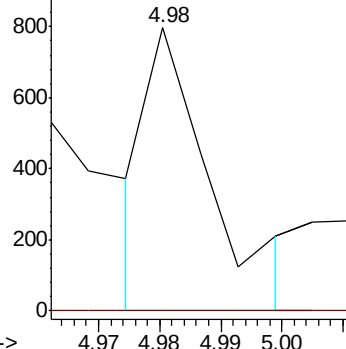
59 100

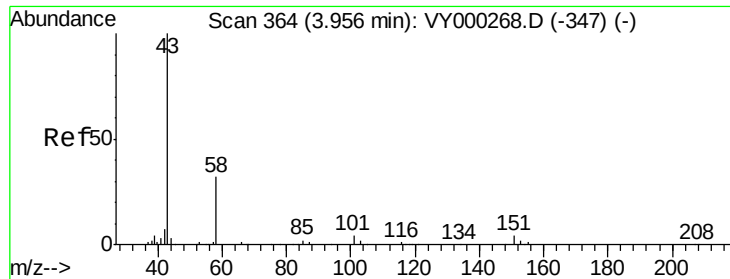
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 4.516 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY000331.D

Acq: 16 Oct 2019 15:51

Instrument :

MSVOA_Y

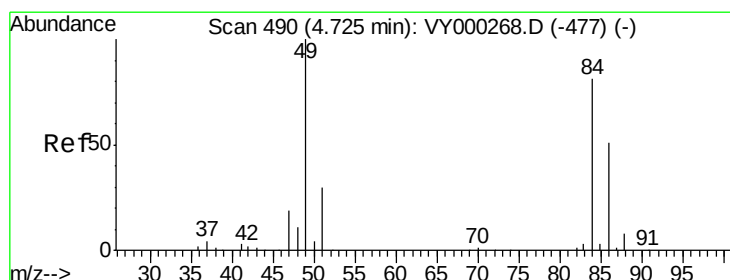
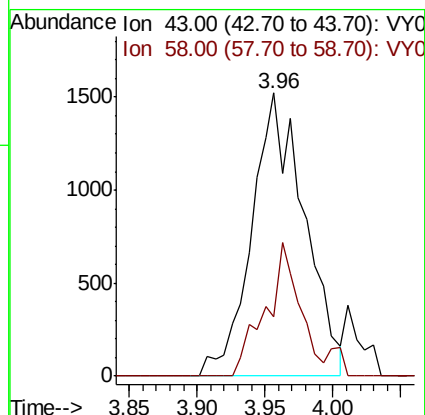
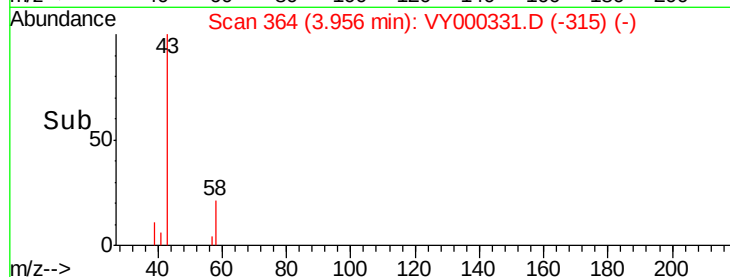
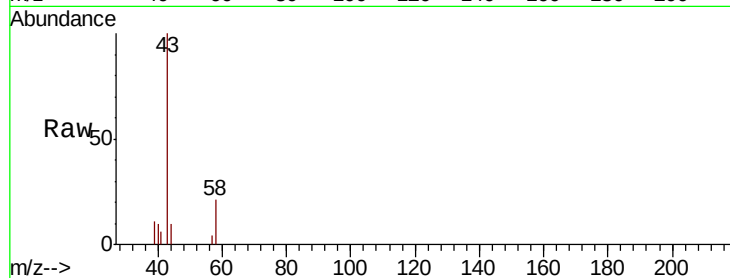
ClientSampleId :

Tot Ion: 43 Resp: 4116

Ion Ratio Lower Upper

43 100

58 20.9 25.8 38.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY000331.D

Acq: 16 Oct 2019 15:51

Tgt Ion: 84 Resp: 11259

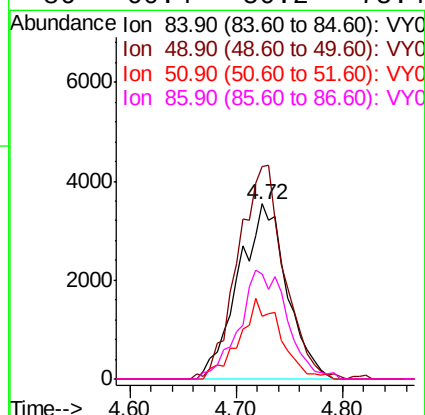
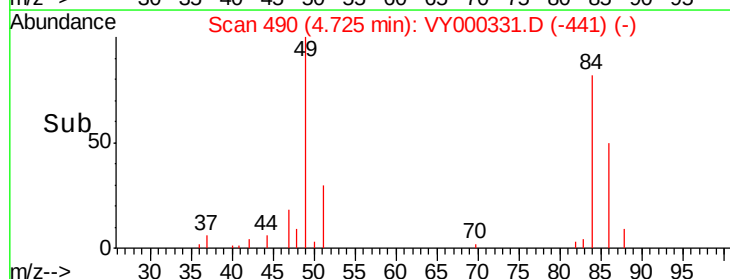
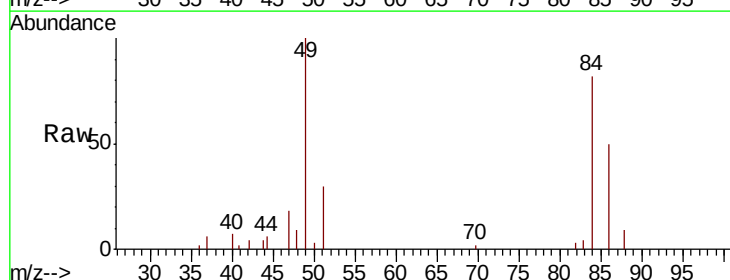
Ion Ratio Lower Upper

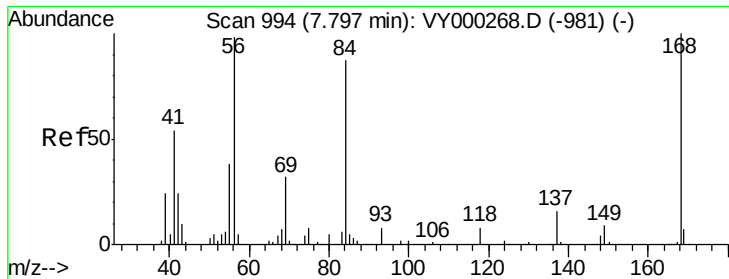
84 100

49 121.5 99.0 148.4

51 36.0 29.3 43.9

86 60.4 50.2 75.4

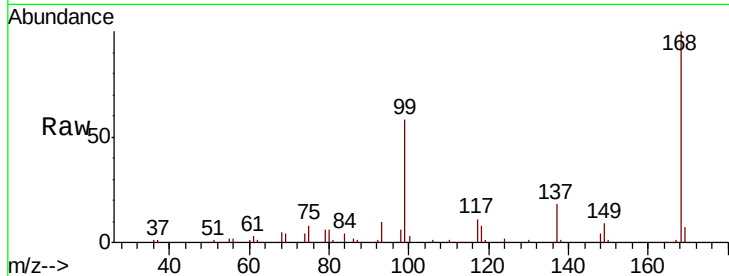




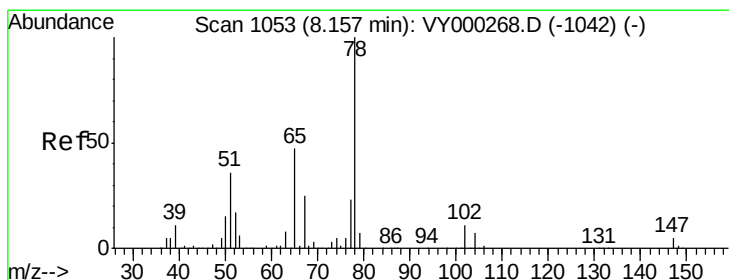
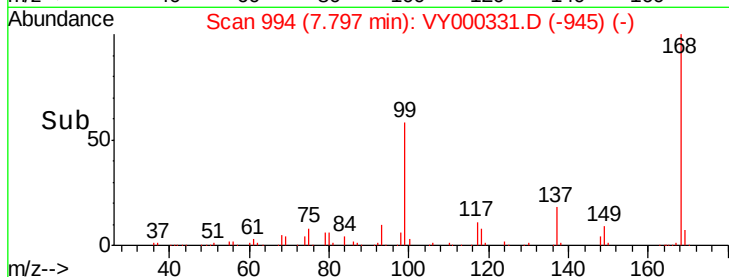
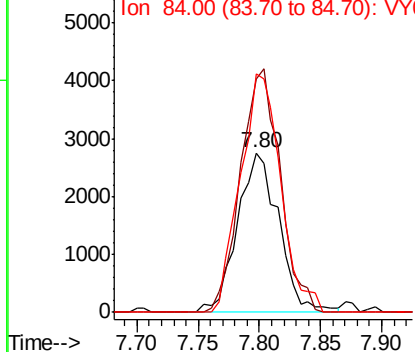
#31
Cyclohexane
Concen: 1.200 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000331.D
Acq: 16 Oct 2019 15:51

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 6460
Ion Ratio Lower Upper
56 100
69 146.3 26.3 39.5#
84 149.8 70.8 106.2#

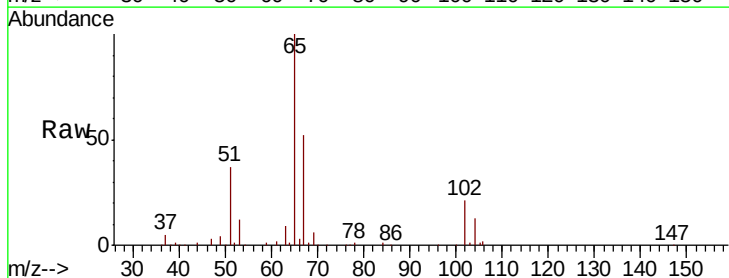


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

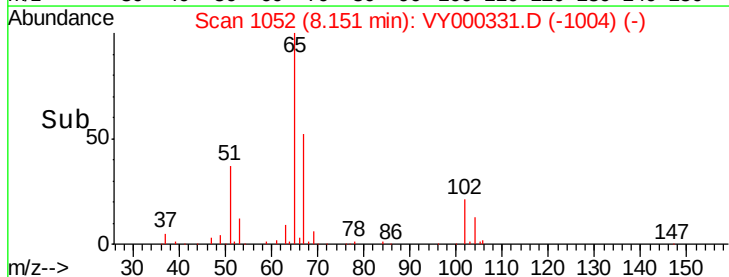
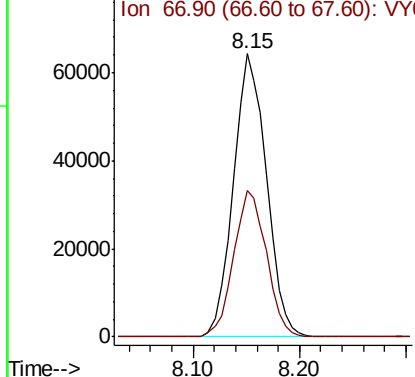


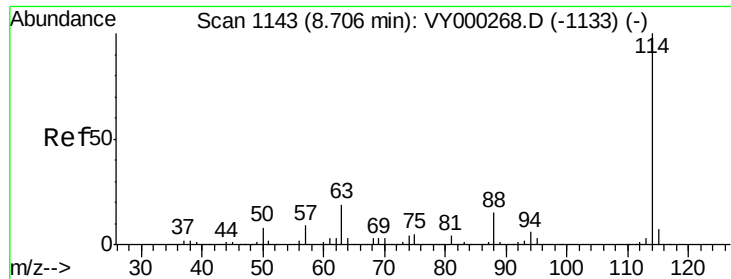
#33
1,2-Dichloroethane-d4
Concen: 49.713 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY000331.D
Acq: 16 Oct 2019 15:51

Tgt Ion: 65 Resp: 139905
Ion Ratio Lower Upper
65 100
67 51.2 0.0 109.4



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

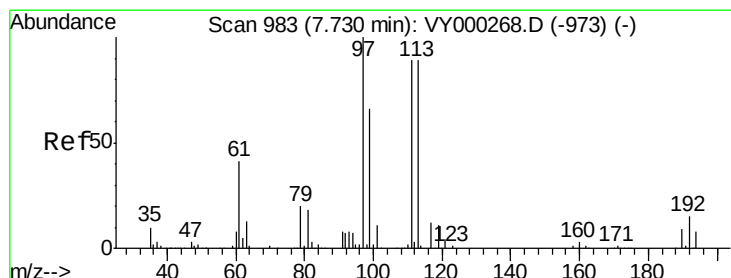
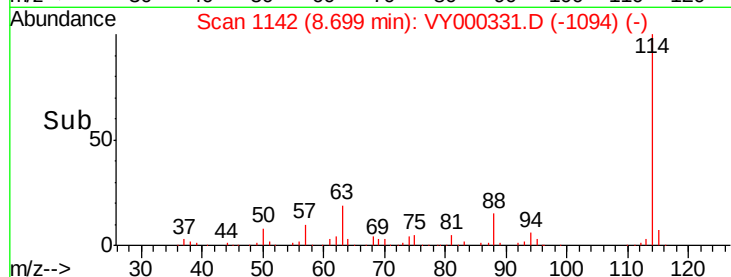
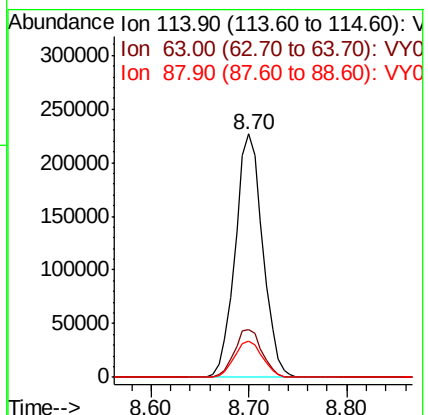
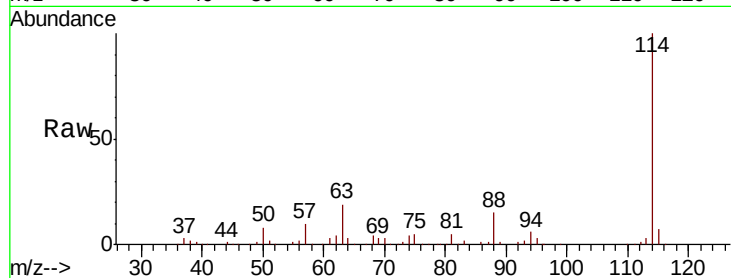




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000331.D
 Acq: 16 Oct 2019 15:51

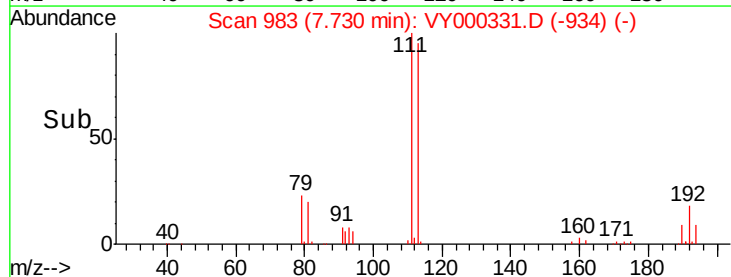
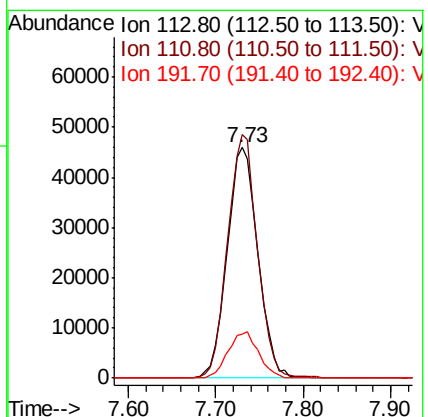
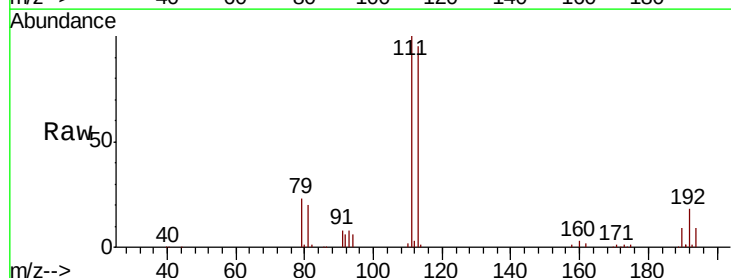
Instrument :
 MSVOA_Y
 ClientSampleId :

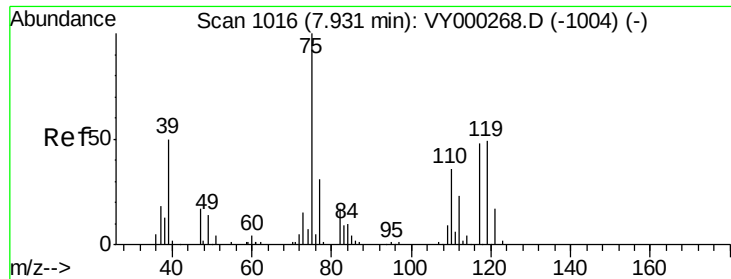
Tot Ion:114 Resp: 440581
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 37.2
 88 14.9 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 42.190 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000331.D
 Acq: 16 Oct 2019 15:51

Tgt Ion:113 Resp: 112126
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.6 122.4
 192 19.9 15.3 22.9

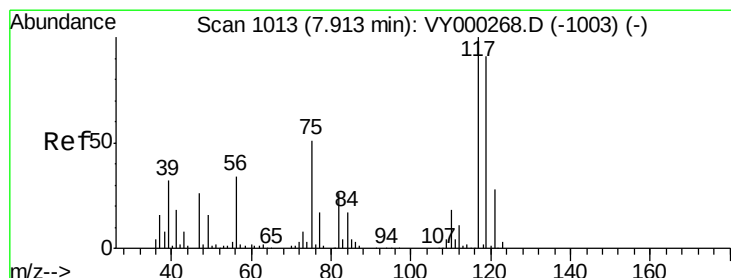
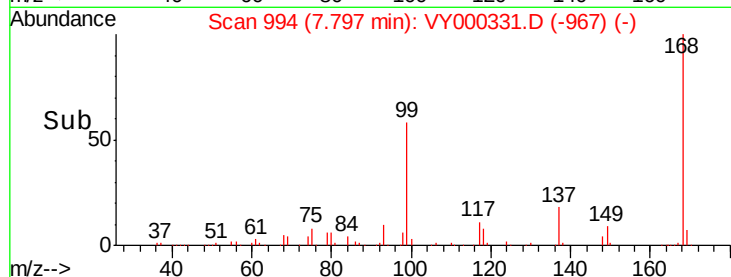
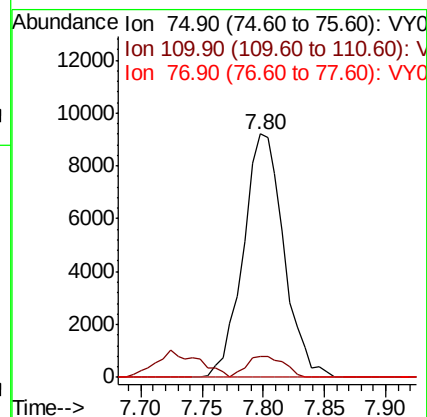
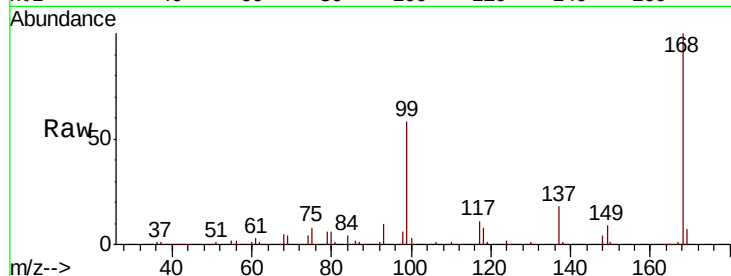




#36
 1,1-Dichloropropene
 Concen: 4.921 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000331.D
 Acq: 16 Oct 2019 15:51

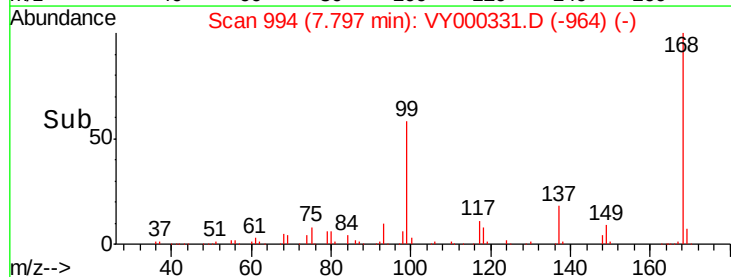
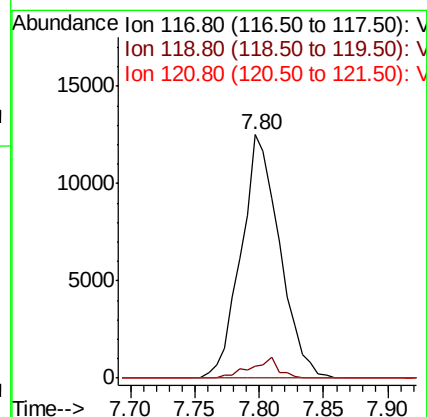
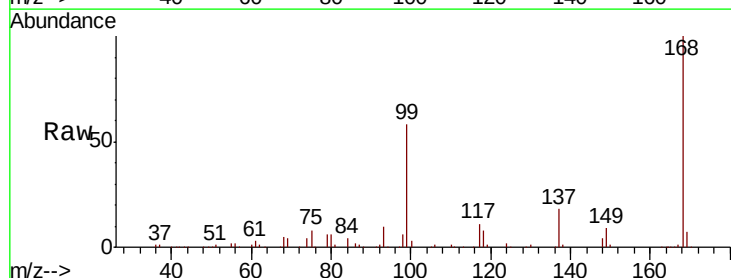
Instrument :
 MSVOA_Y
 ClientSampleId :

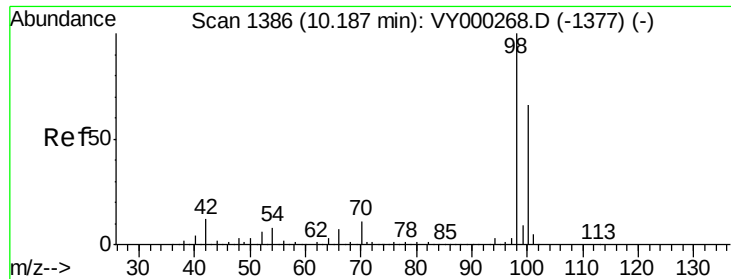
Tot Ion	75	Resp	21225
Ion Ratio	Lower	Upper	
75	100		
110	8.1	18.4	55.4#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.207 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000331.D
 Acq: 16 Oct 2019 15:51

Tgt Ion	117	Resp	25925
Ion Ratio	Lower	Upper	
117	100		
119	4.7	72.8	109.2#
121	0.0	22.2	33.2#





#50

Toluene-d8

Concen: 49.711 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000331.D

Acq: 16 Oct 2019 15:51

Instrument :

MSVOA_Y

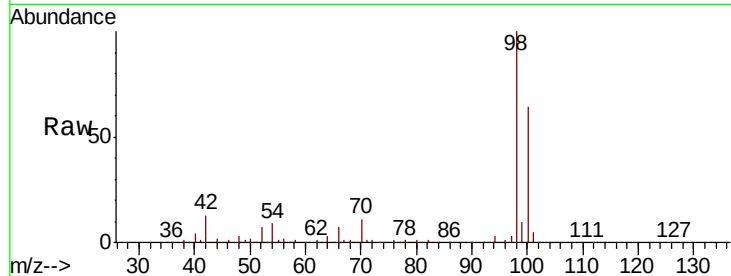
ClientSampled :

Tot Ion: 98 Resp: 508209

Ion Ratio Lower Upper

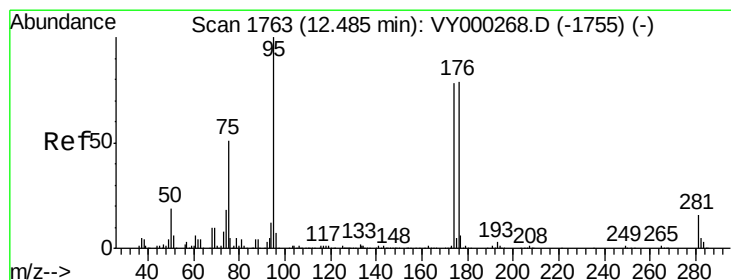
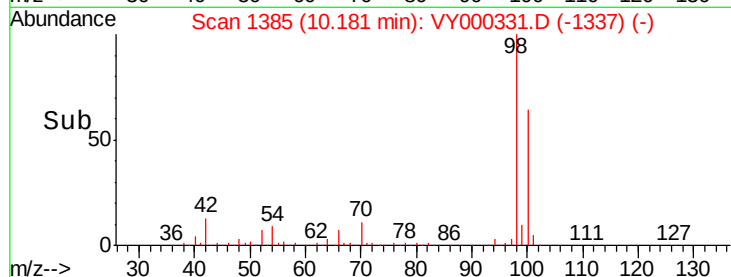
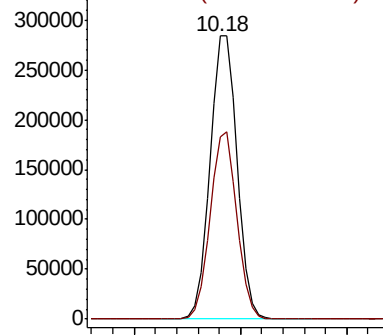
98 100

100 65.3 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: 40.001 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000331.D

Acq: 16 Oct 2019 15:51

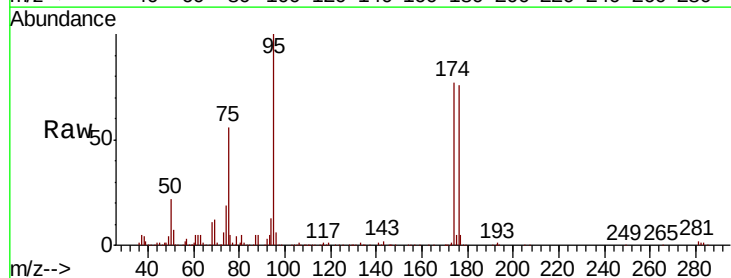
Tgt Ion: 95 Resp: 155360

Ion Ratio Lower Upper

95 100

174 84.4 0.0 159.6

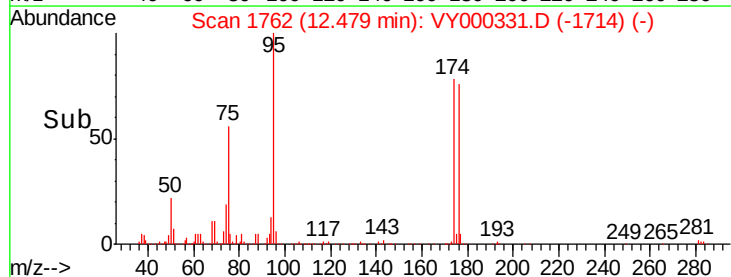
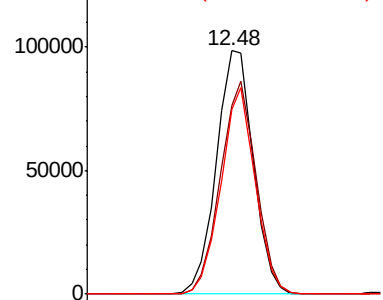
176 79.1 0.0 153.8

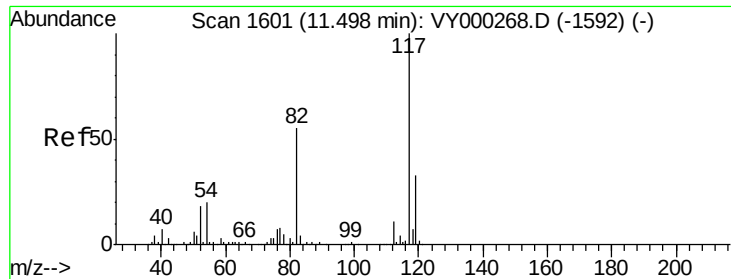


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

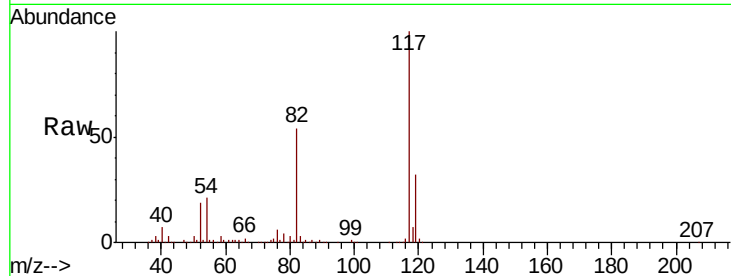




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000331.D
Acq: 16 Oct 2019 15:51

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.7	65.5
119	31.7	26.6	39.8

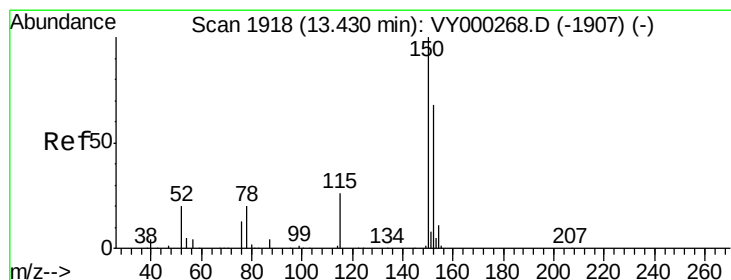
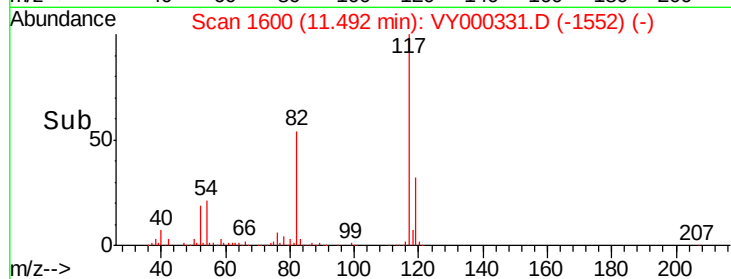
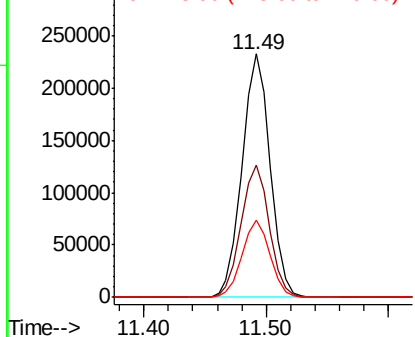


Abundance

Ion 116.90 (116.60 to 117.60): V

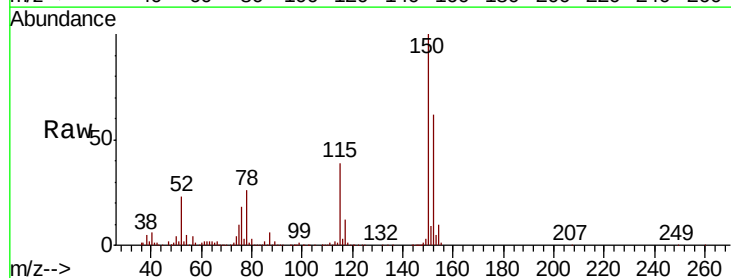
Ion 82.00 (81.70 to 82.70): VY0

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: VY000331.D
Acq: 16 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	29.3	88.0
150	160.7	0.0	348.4

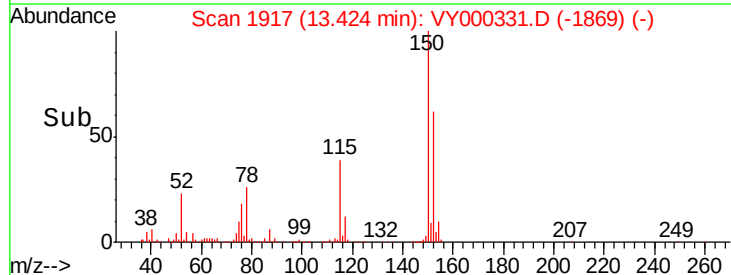
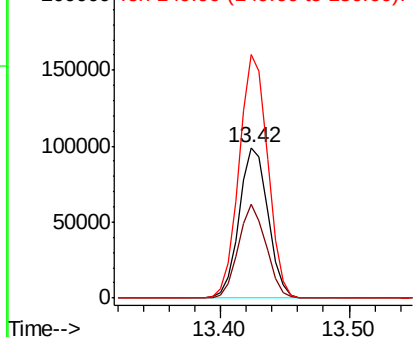


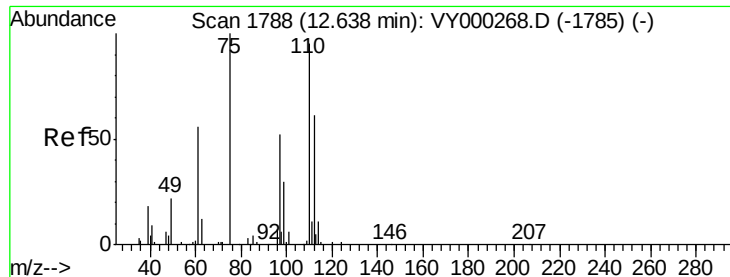
Abundance

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: 44.768 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000331.D

Acq: 16 Oct 2019 15:51

Instrument :

MSVOA_Y

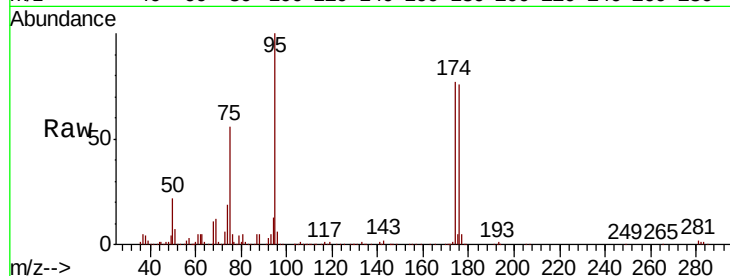
ClientSampleId :

Tot Ion: 75 Resp: 84004

Ion Ratio Lower Upper

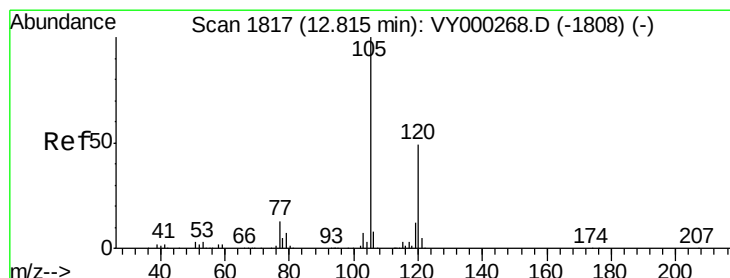
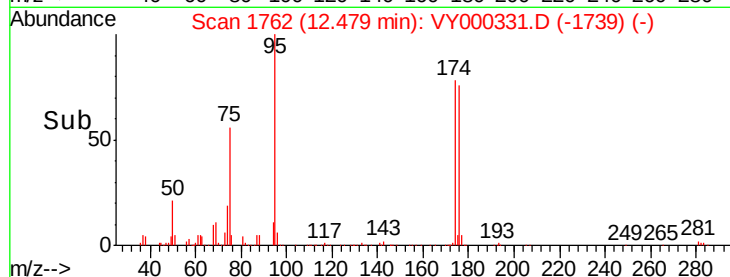
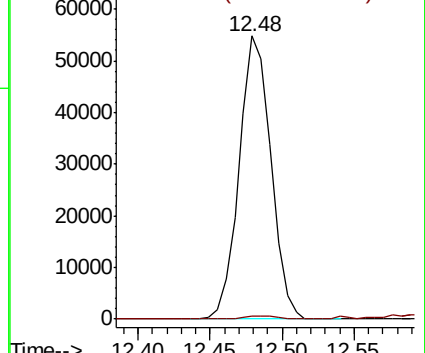
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#80

1,3,5-Trimethylbenzene

Concen: 1.119 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY000331.D

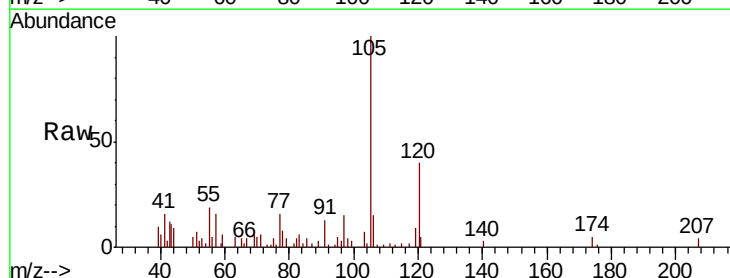
Acq: 16 Oct 2019 15:51

Tgt Ion: 105 Resp: 11168

Ion Ratio Lower Upper

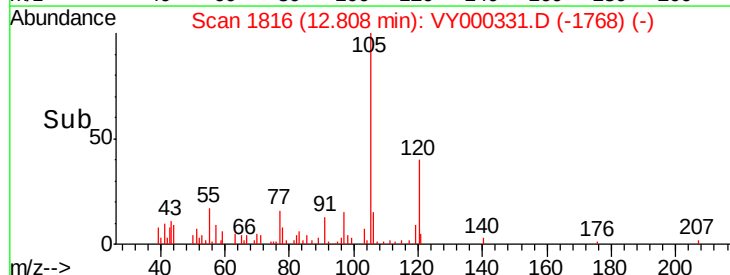
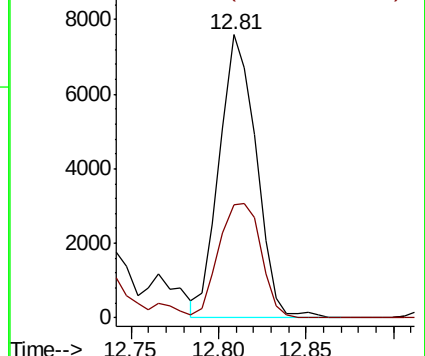
105 100

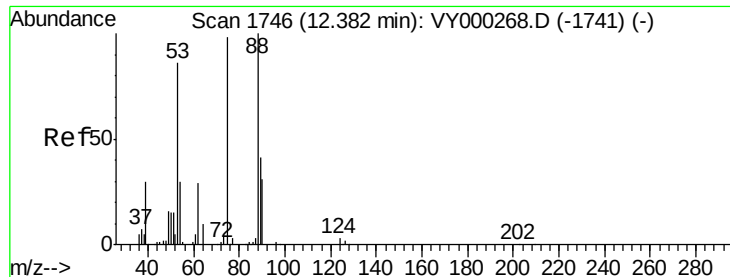
120 46.3 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 97.952 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000331.D

Acq: 16 Oct 2019 15:51

Instrument :

MSVOA_Y

ClientSampleId :

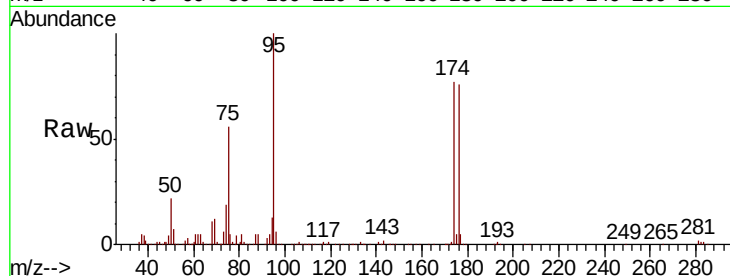
Tot Ion: 75 Resp: 84004

Ion Ratio Lower Upper

75 100

53 0.2 71.3 106.9#

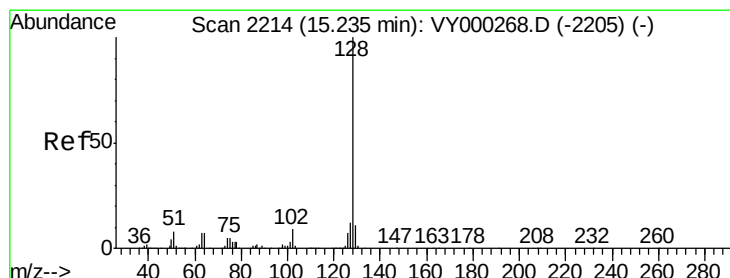
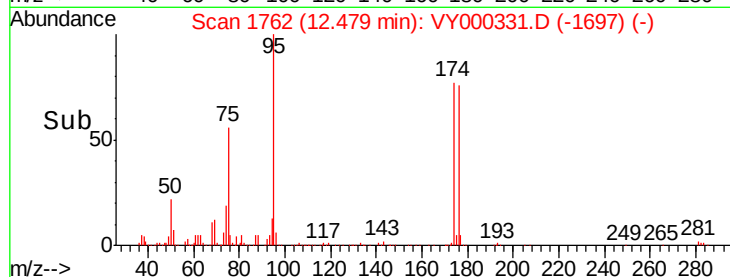
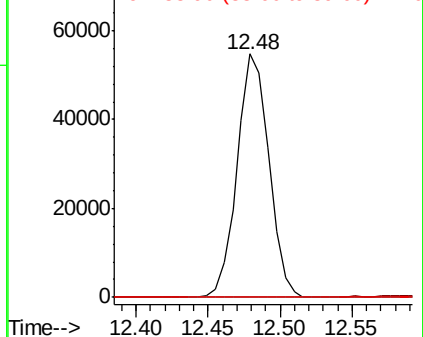
89 0.1 35.1 52.7#



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



#95

Naphthalene

Concen: 2.027 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000331.D

Acq: 16 Oct 2019 15:51

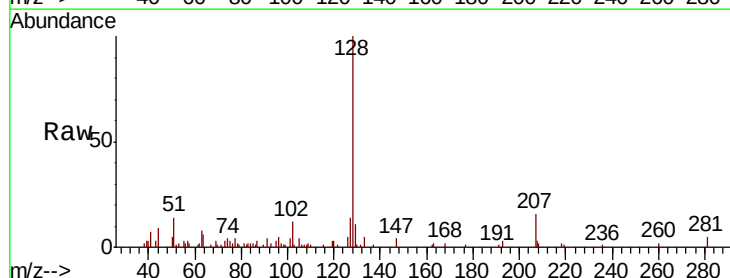
Tgt Ion: 128 Resp: 14866

Ion Ratio Lower Upper

128 100

127 15.0 9.6 14.4#

129 12.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

