

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092619\
 Data File : VY000157.D
 Acq On : 26 Sep 2019 17:02
 Operator : SY/MD
 Sample : K5038-12
 Misc : 7.45g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 26 18:40:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092619S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 14:30:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	67222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	115840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	90104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	32779	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	28852	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
35) Dibromofluoromethane	7.72	113	31300	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
50) Toluene-d8	10.18	98	128216	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.48	95	34772	37.16	ug/l	0.00
Spiked Amount			Recovery	=	74.32%	

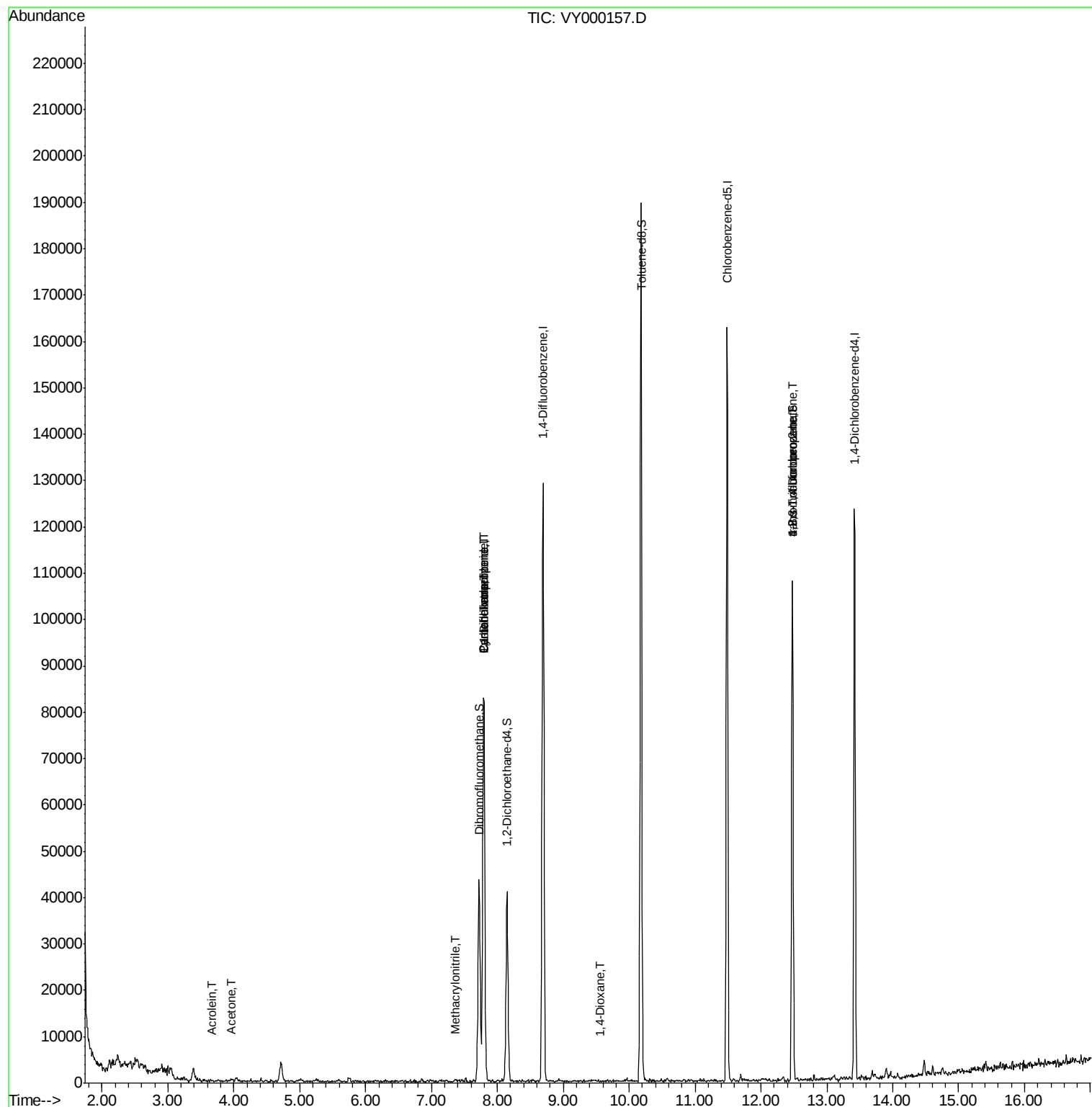
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.89	85	20	Below Cal	#	39
3) Chloromethane	2.11	50	740	Below Cal	#	84
13) Acrolein	3.66	56	93	1.273	ug/l	84
16) Acetone	3.95	43	437	2.926	ug/l #	37
20) Methylene Chloride	4.72	84	3206	Below Cal	#	83
31) Cyclohexane	7.80	56	1344	1.181	ug/l #	25
36) 1,1-Dichloropropene	7.79	75	4677	4.858	ug/l #	45
38) Carbon Tetrachloride	7.79	117	6192	6.589	ug/l #	14
41) Methacrylonitrile	7.35	41	275	1.123	ug/l #	100
49) 1,4-Dioxane	9.56	88	19	3.004	ug/l #	28
76) 1,2,3-Trichloropropane	12.48	75	16525	50.091	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	16525	99.824	ug/l #	18

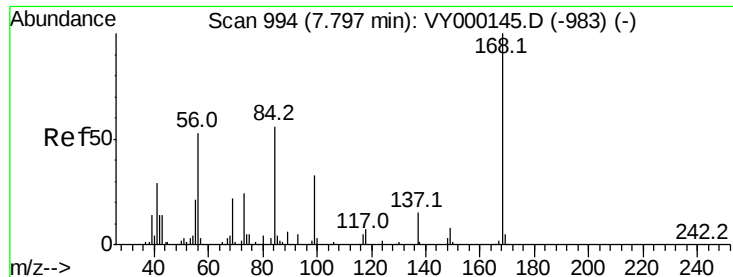
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY000157.D

Acq: 26 Sep 2019 17:02

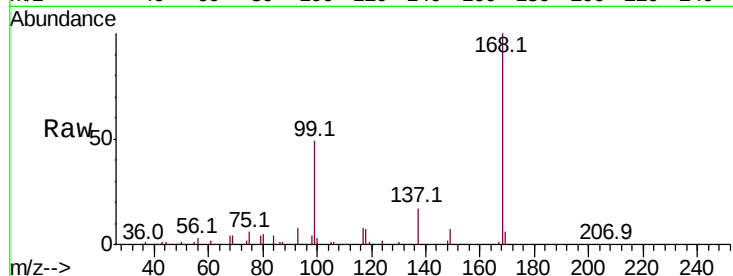
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 67222

Ion Ratio Lower Upper

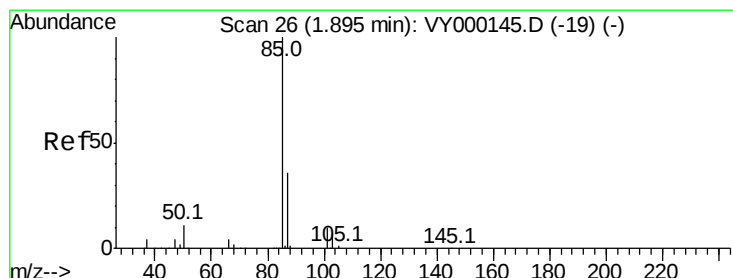
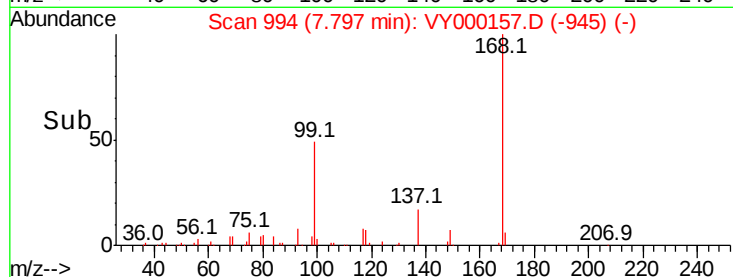
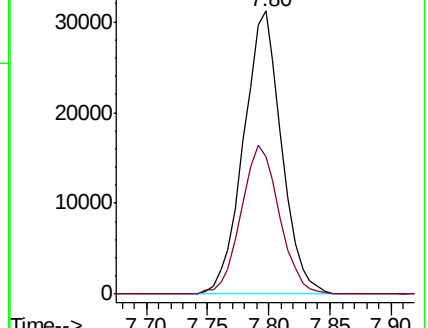
168 100

99 48.7 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): VY000145.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY000145.D (-983) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.89 min Scan# 25

Delta R.T. -0.01 min

Lab File: VY000157.D

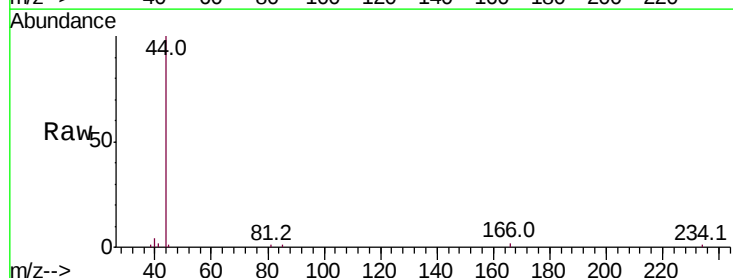
Acq: 26 Sep 2019 17:02

Tgt Ion: 85 Resp: 20

Ion Ratio Lower Upper

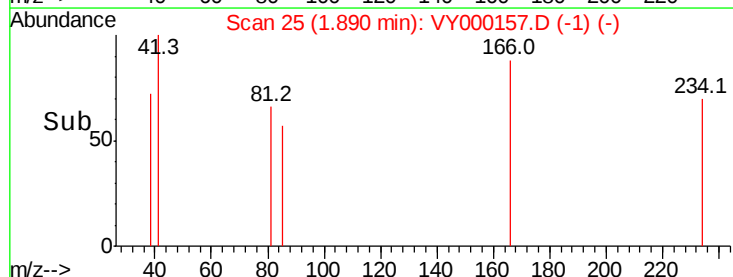
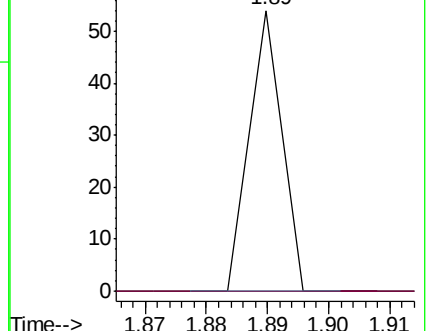
85 100

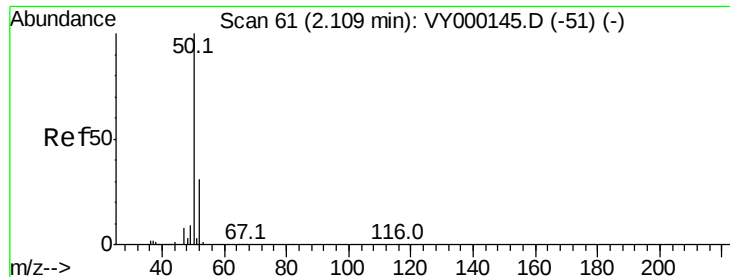
87 0.0 17.9 53.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000145.D (-19) (-)

Ion 86.90 (86.60 to 87.60): VY000145.D (-19) (-)





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY000157.D

Acq: 26 Sep 2019 17:02

Instrument :

MSVOA_Y

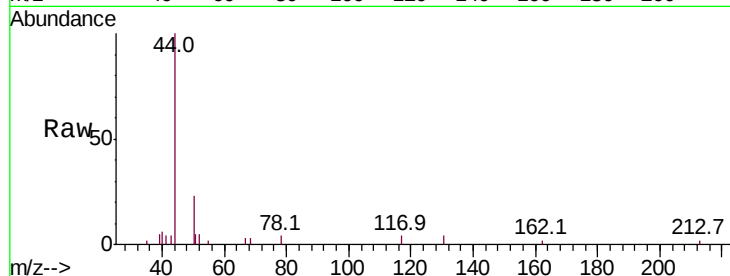
ClientSampleId :

Tot Ion: 50 Resp: 740

Ion Ratio Lower Upper

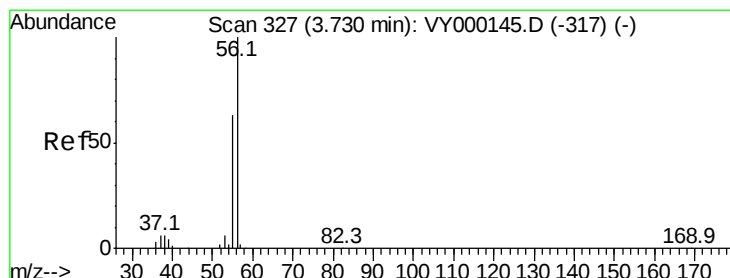
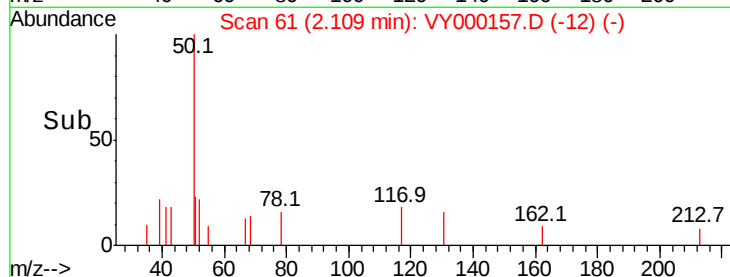
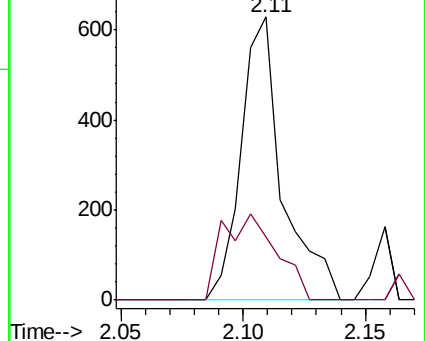
50 100

52 22.3 25.0 37.6#



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#13

Acrolein

Concen: 1.273 ug/l

RT: 3.66 min Scan# 316

Delta R.T. -0.07 min

Lab File: VY000157.D

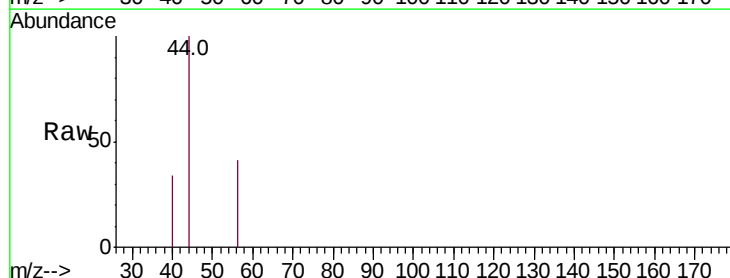
Acq: 26 Sep 2019 17:02

Tgt Ion: 56 Resp: 93

Ion Ratio Lower Upper

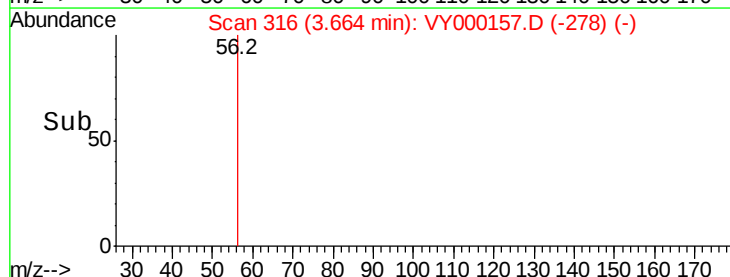
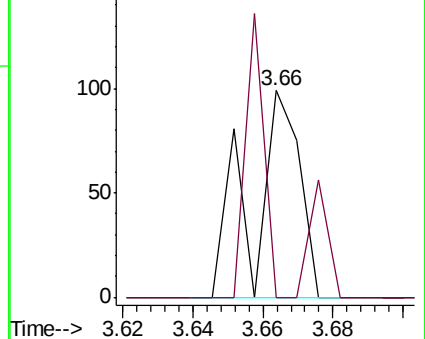
56 100

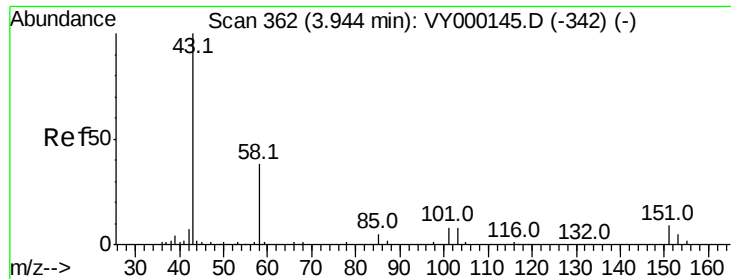
55 53.8 53.1 79.7



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0





#16

Acetone

Concen: 2.926 ug/l

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

Lab File: VY000157.D

Acq: 26 Sep 2019 17:02

Instrument :

MSVOA_Y

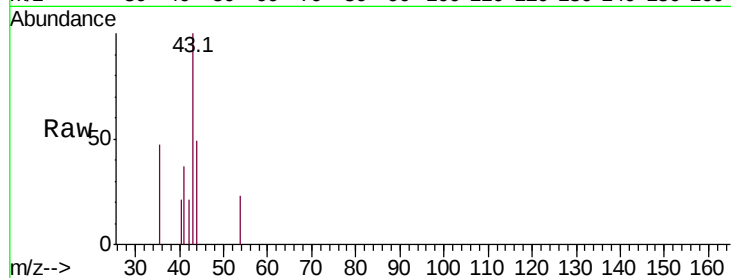
ClientSampleId :

Tot Ion: 43 Resp: 437

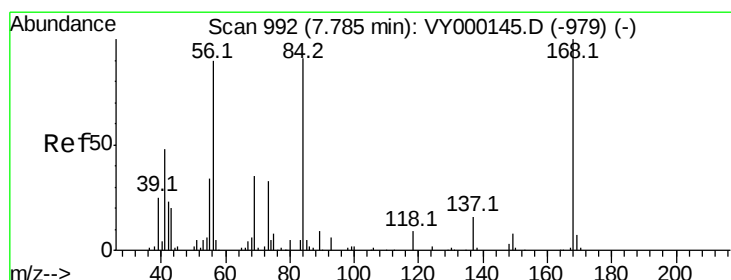
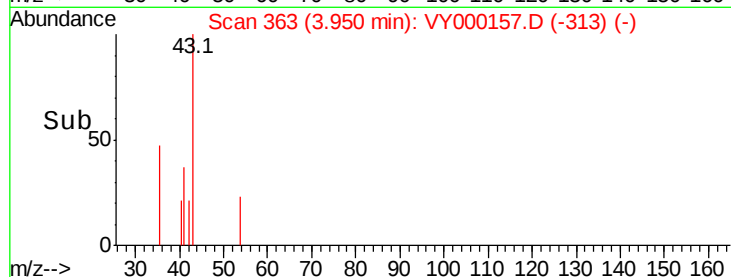
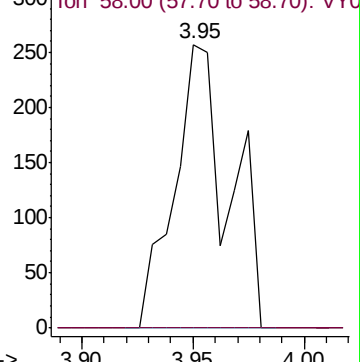
Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#



Abundance Ion 43.00 (42.70 to 43.70): VY000145.D (-342) (-)



#31

Cyclohexane

Concen: 1.181 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000157.D

Acq: 26 Sep 2019 17:02

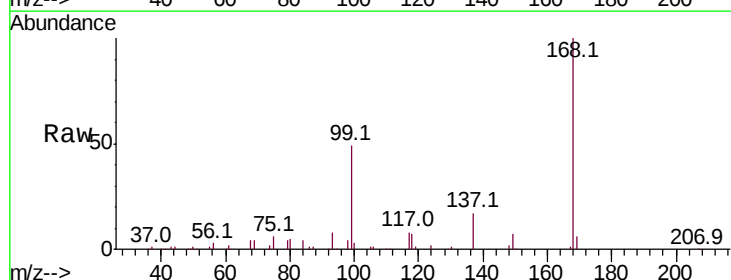
Tgt Ion: 56 Resp: 1344

Ion Ratio Lower Upper

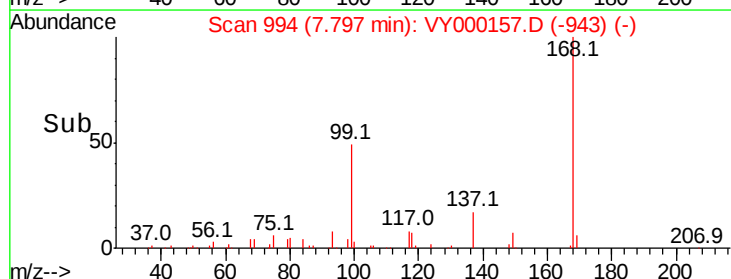
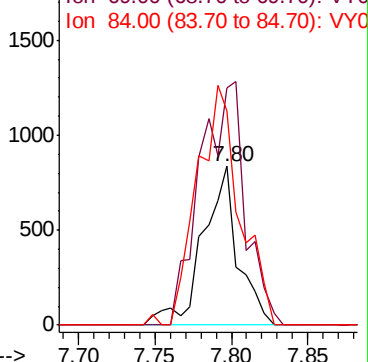
56 100

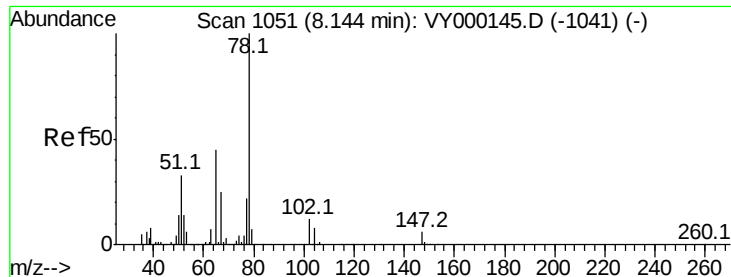
69 149.2 31.1 46.7#

84 135.0 80.5 120.7#



Abundance Ion 56.00 (55.70 to 56.70): VY000145.D (-979) (-)

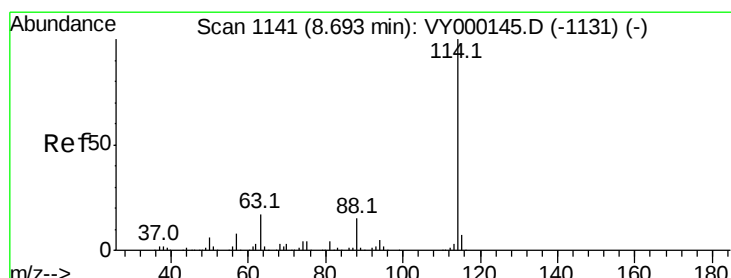
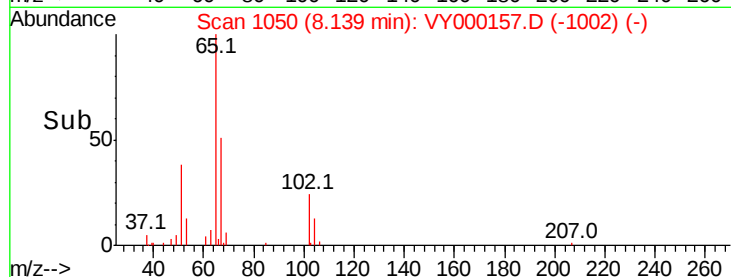
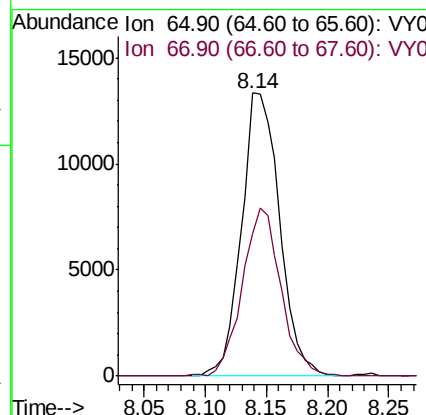
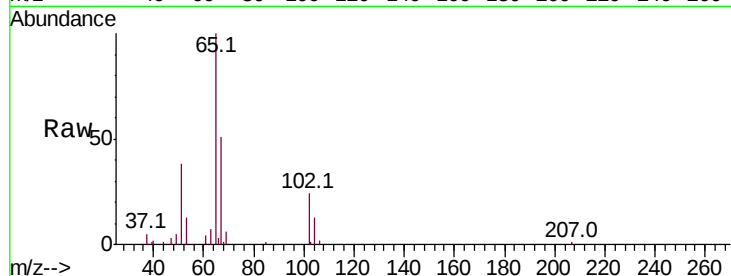




#33
 1,2-Dichloroethane-d4
 Concen: 49.010 ug/l
 RT: 8.14 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VY000157.D
 Acq: 26 Sep 2019 17:02

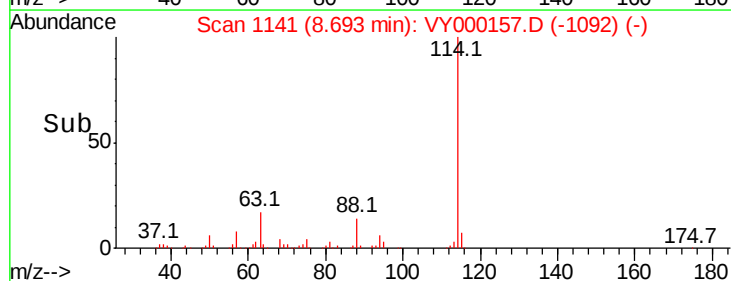
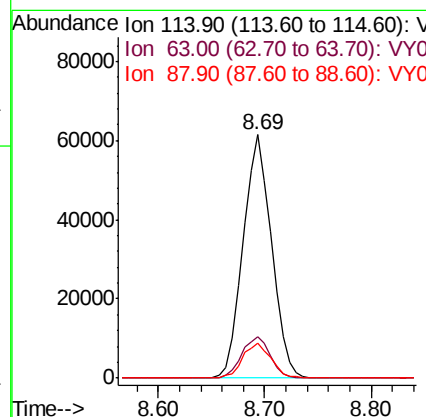
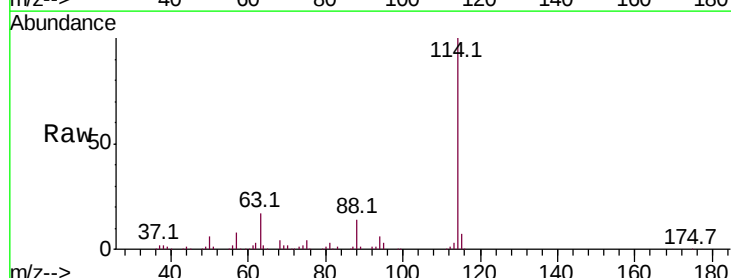
Instrument :
 MSVOA_Y
 ClientSampled :

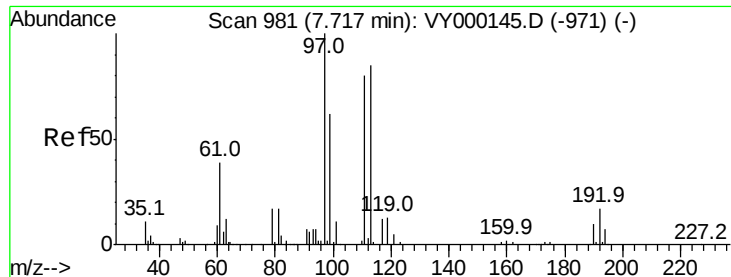
Tot Ion: 65 Resp: 28852
 Ion Ratio Lower Upper
 65 100
 67 60.3 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY000157.D
 Acq: 26 Sep 2019 17:02

Tgt Ion: 114 Resp: 115840
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 34.6
 88 14.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.595 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.01 min

Lab File: VY000157.D

Acq: 26 Sep 2019 17:02

Instrument :

MSVOA_Y

ClientSampleId :

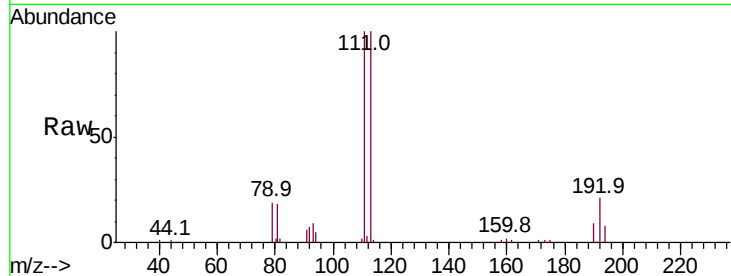
Tot Ion:113 Resp: 31300

Ion Ratio Lower Upper

113 100

111 101.7 82.0 123.0

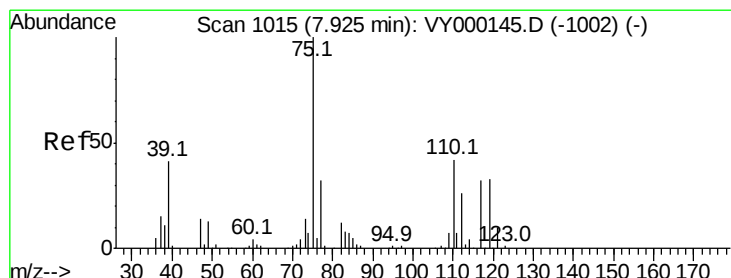
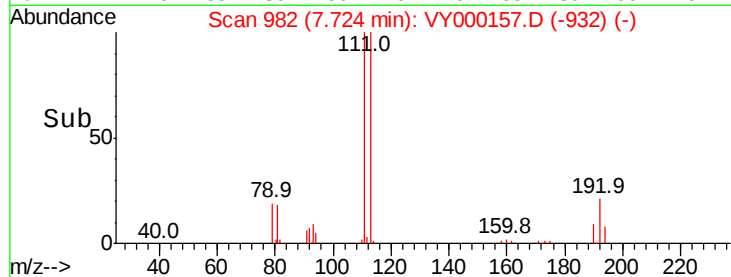
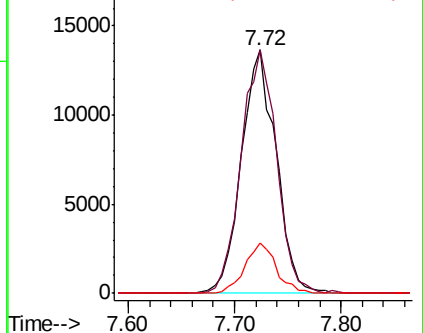
192 18.4 17.3 25.9



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: 4.858 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY000157.D

Acq: 26 Sep 2019 17:02

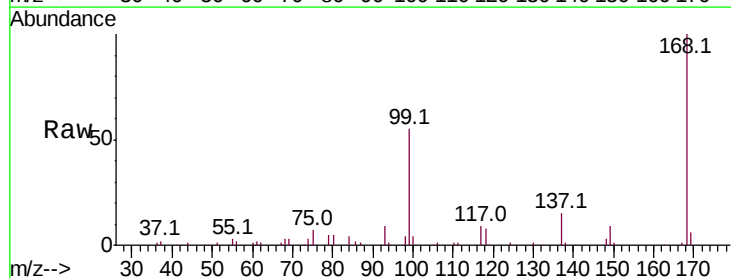
Tgt Ion: 75 Resp: 4677

Ion Ratio Lower Upper

75 100

110 7.9 21.1 63.1#

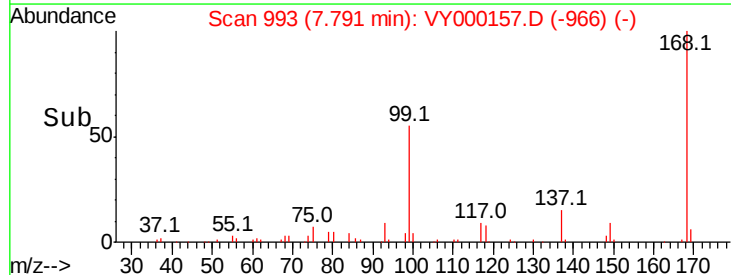
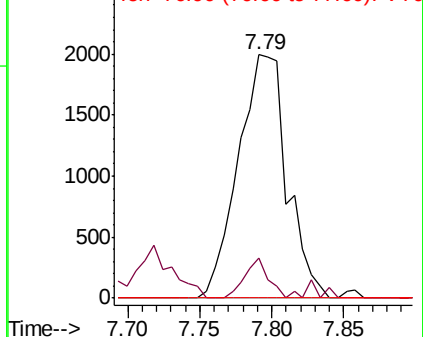
77 0.0 24.6 36.8#

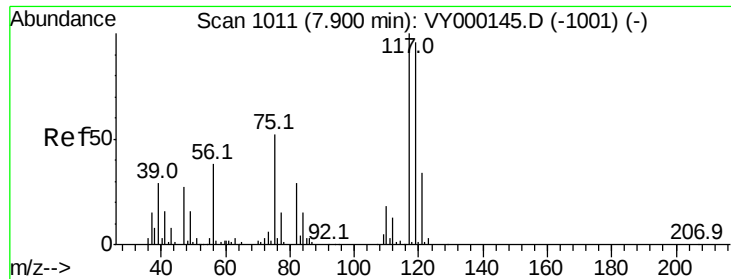


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

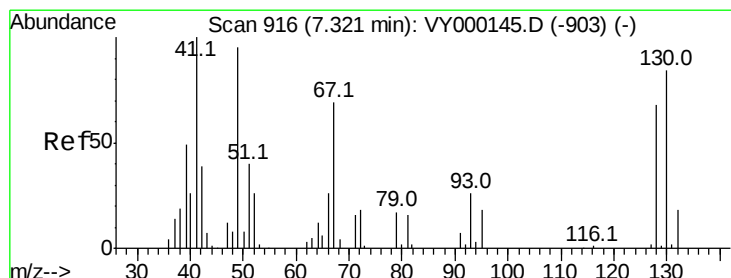
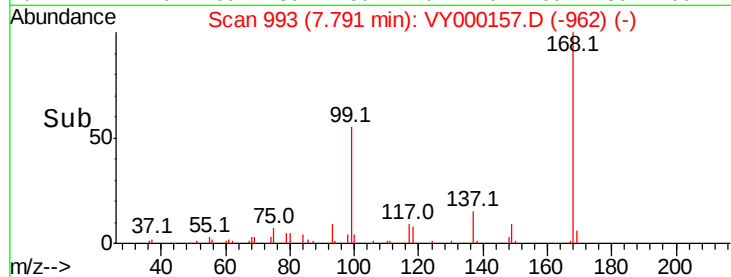
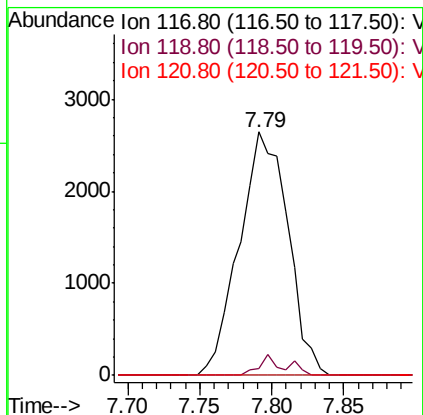
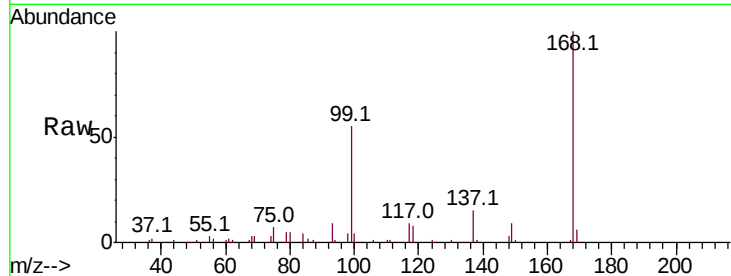




#38
Carbon Tetrachloride
Concen: 6.589 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.11 min
Lab File: VY000157.D
Acq: 26 Sep 2019 17:02

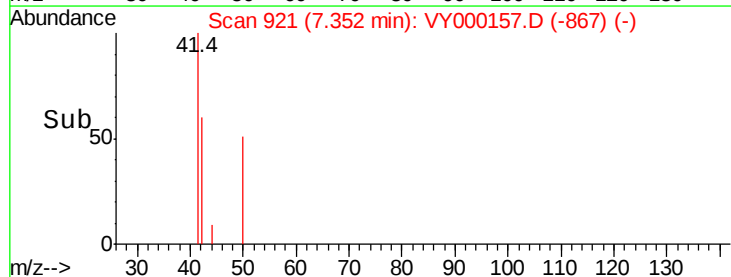
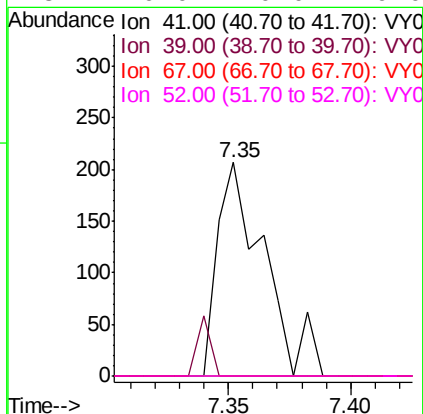
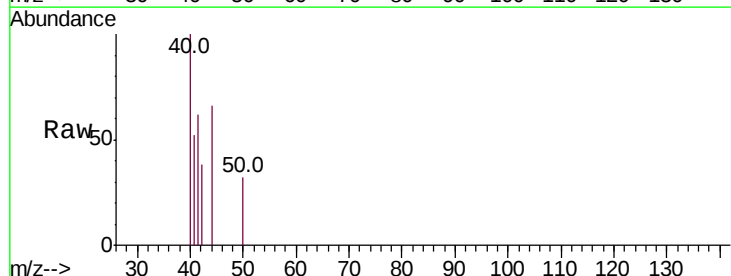
Instrument :
MSVOA_Y
ClientSampled :

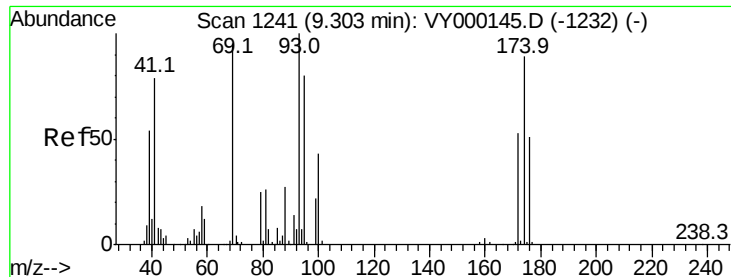
Tot Ion:117 Resp: 6192
Ion Ratio Lower Upper
117 100
119 2.9 76.9 115.3#
121 0.0 27.4 41.0#



#41
Methacrylonitrile
Concen: 1.123 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.03 min
Lab File: VY000157.D
Acq: 26 Sep 2019 17:02

Tgt Ion: 41 Resp: 275
Ion Ratio Lower Upper
41 100
39 8.0 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0





#49

1,4-Dioxane

Concen: 3.004 ug/l

RT: 9.56 min Scan# 1283

Delta R.T. 0.26 min

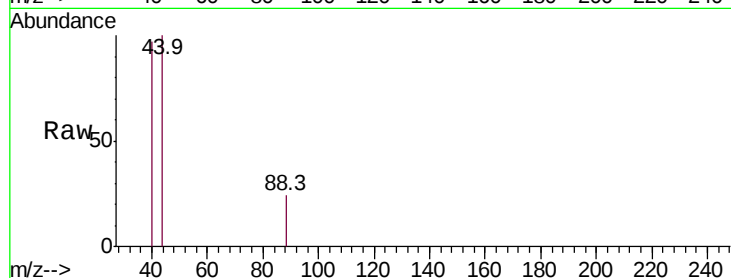
Lab File: VY000157.D

Acq: 26 Sep 2019 17:02

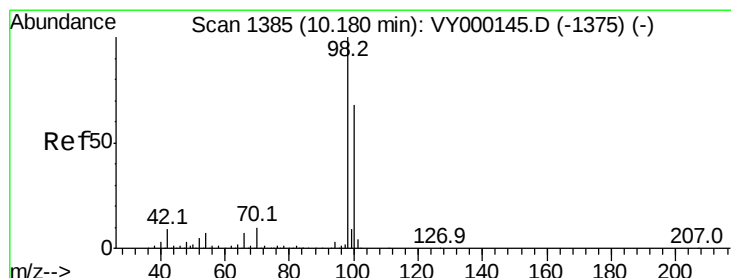
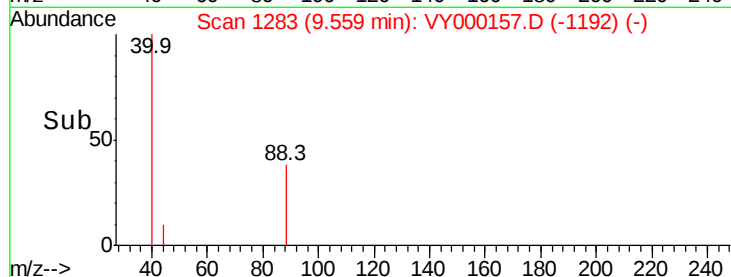
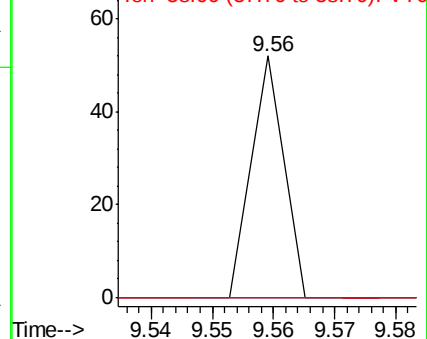
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 88 Resp: 19

Ion	Ratio	Lower	Upper
88	100		
43	0.0	24.4	36.6#
58	0.0	49.2	73.8#



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: 49.945 ug/l

RT: 10.18 min Scan# 1385

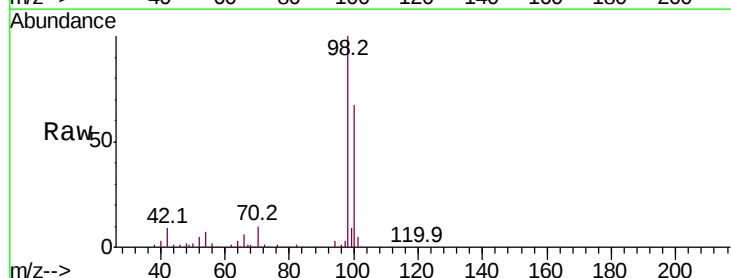
Delta R.T. 0.00 min

Lab File: VY000157.D

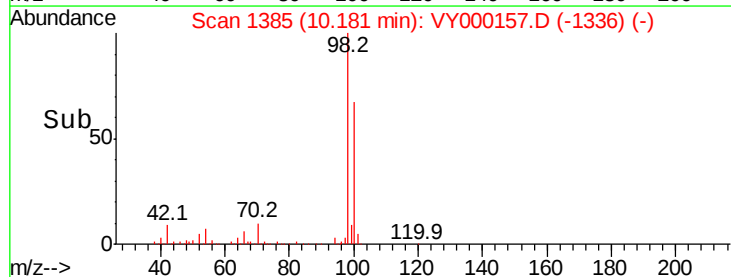
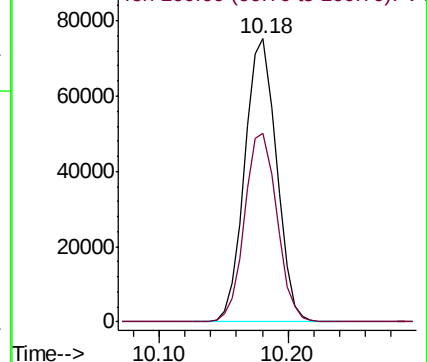
Acq: 26 Sep 2019 17:02

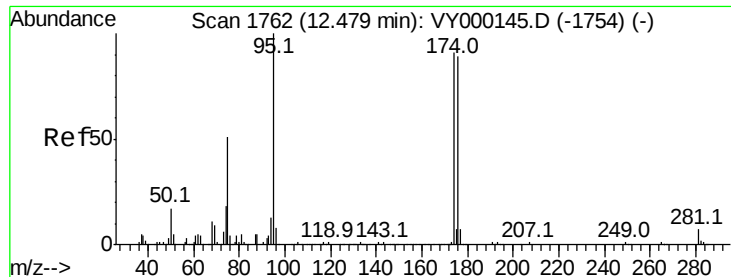
Tgt Ion: 98 Resp: 128216

Ion	Ratio	Lower	Upper
98	100		
100	67.9	54.2	81.2



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





#62

4-Bromofluorobenzene

Concen: 37.162 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000157.D

Acq: 26 Sep 2019 17:02

Instrument :

MSVOA_Y

ClientSampleId :

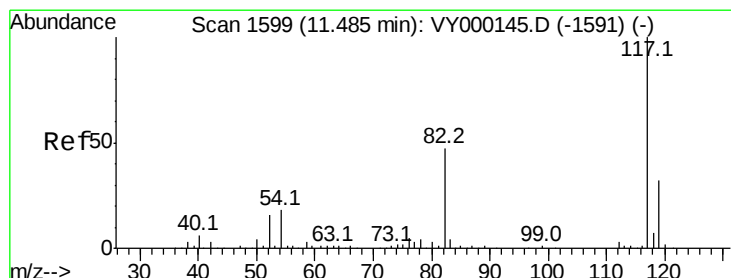
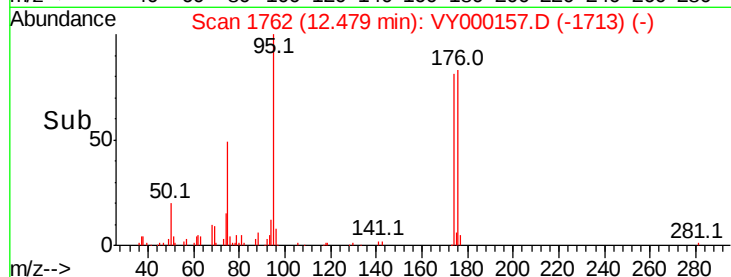
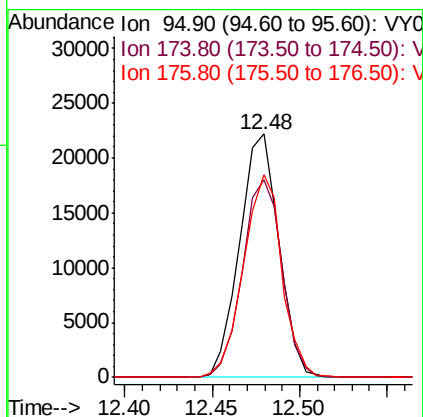
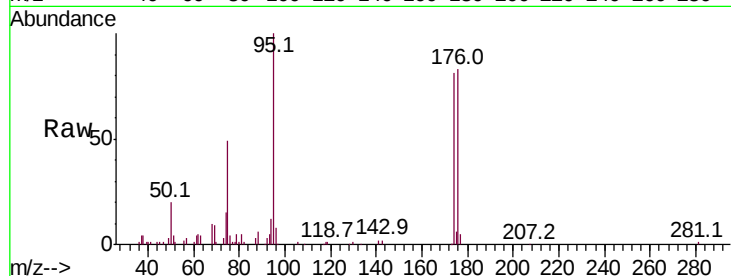
Tot Ion: 95 Resp: 34772

Ion Ratio Lower Upper

95 100

174 81.6 0.0 180.6

176 81.4 0.0 171.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VY000157.D

Acq: 26 Sep 2019 17:02

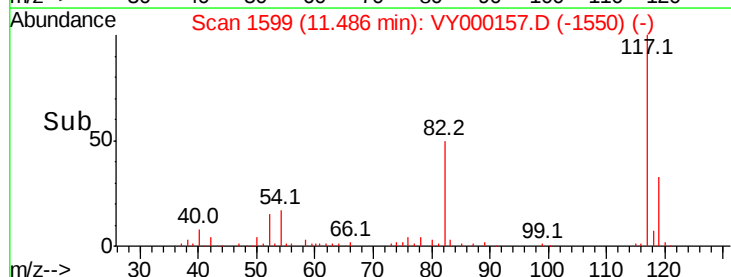
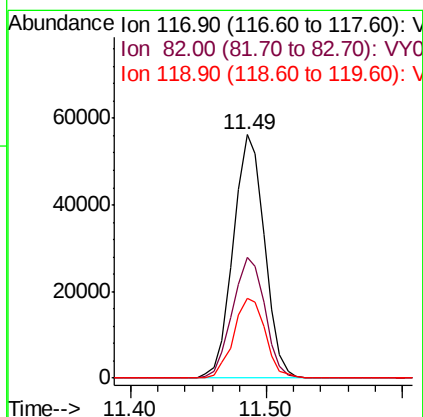
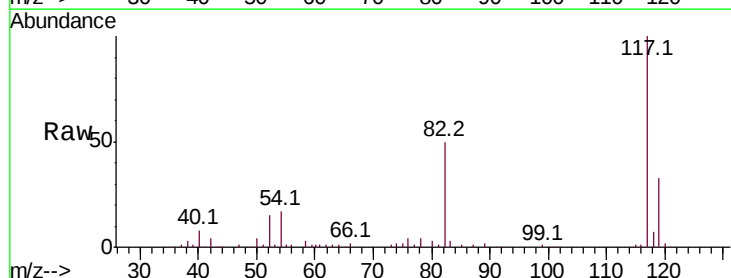
Tgt Ion: 117 Resp: 90104

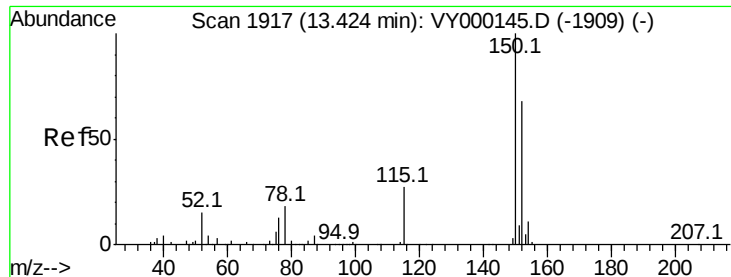
Ion Ratio Lower Upper

117 100

82 49.7 37.7 56.5

119 32.9 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY000157.D

Acq: 26 Sep 2019 17:02

Instrument :

MSVOA_Y

ClientSampleId :

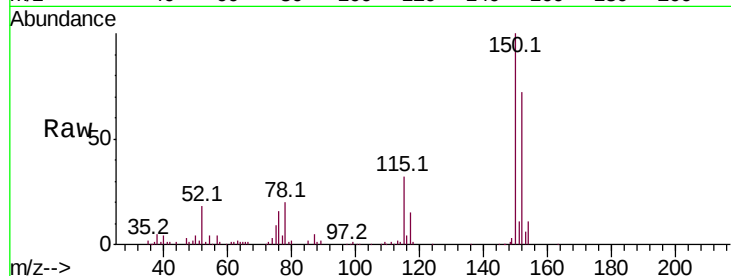
Tot Ion:152 Resp: 32779

Ion Ratio Lower Upper

152 100

115 55.0 26.8 80.4

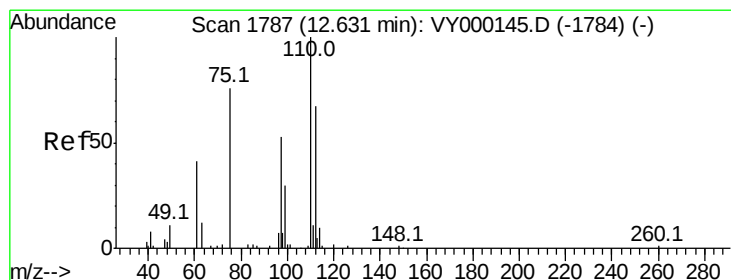
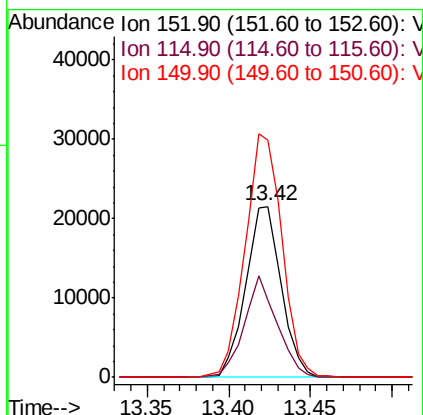
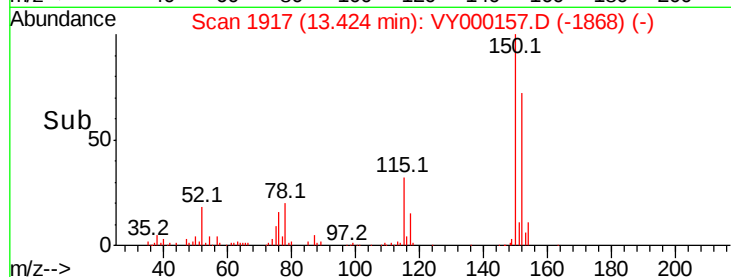
150 147.4 0.0 347.8



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: 50.091 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000157.D

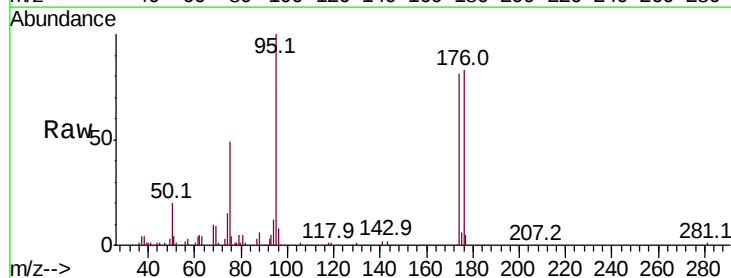
Acq: 26 Sep 2019 17:02

Tgt Ion: 75 Resp: 16525

Ion Ratio Lower Upper

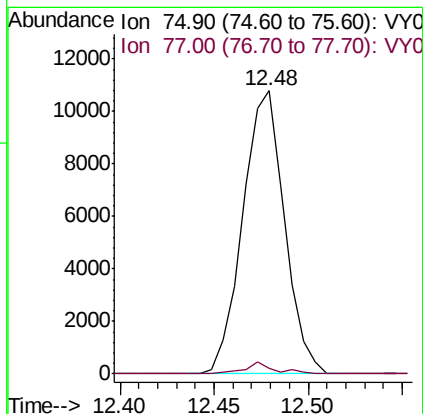
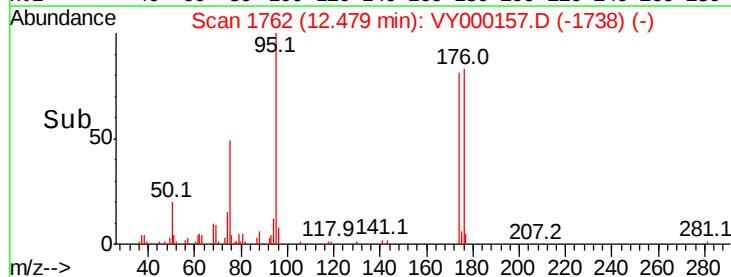
75 100

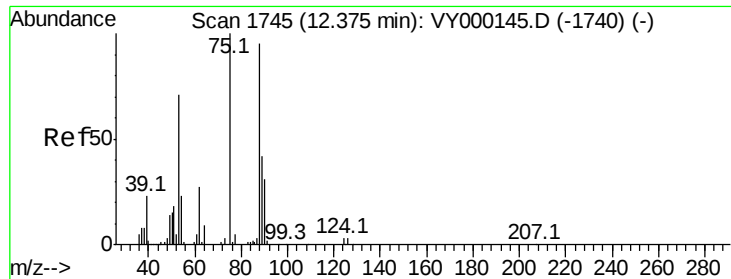
77 2.9 0.0 0.0#



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: 99.824 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000157.D

Acq: 26 Sep 2019 17:02

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 16525

Ion Ratio Lower Upper

75 100

53 0.0 61.8 92.8#

89 0.0 35.6 53.4#

