

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000281.D
 Acq On : 11 Oct 2019 19:21
 Operator : SY/MD
 Sample : K5316-07
 Misc : 6.90G/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 14 07:38:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 07:29:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	218564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	397676	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	327496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	125599	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	127181	55.16	ug/l	0.00
Spiked Amount			Recovery	=	110.32%	
35) Dibromofluoromethane	7.73	113	117722	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
50) Toluene-d8	10.19	98	451895	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	12.48	95	136722	39.00	ug/l	0.00
Spiked Amount			Recovery	=	78.00%	

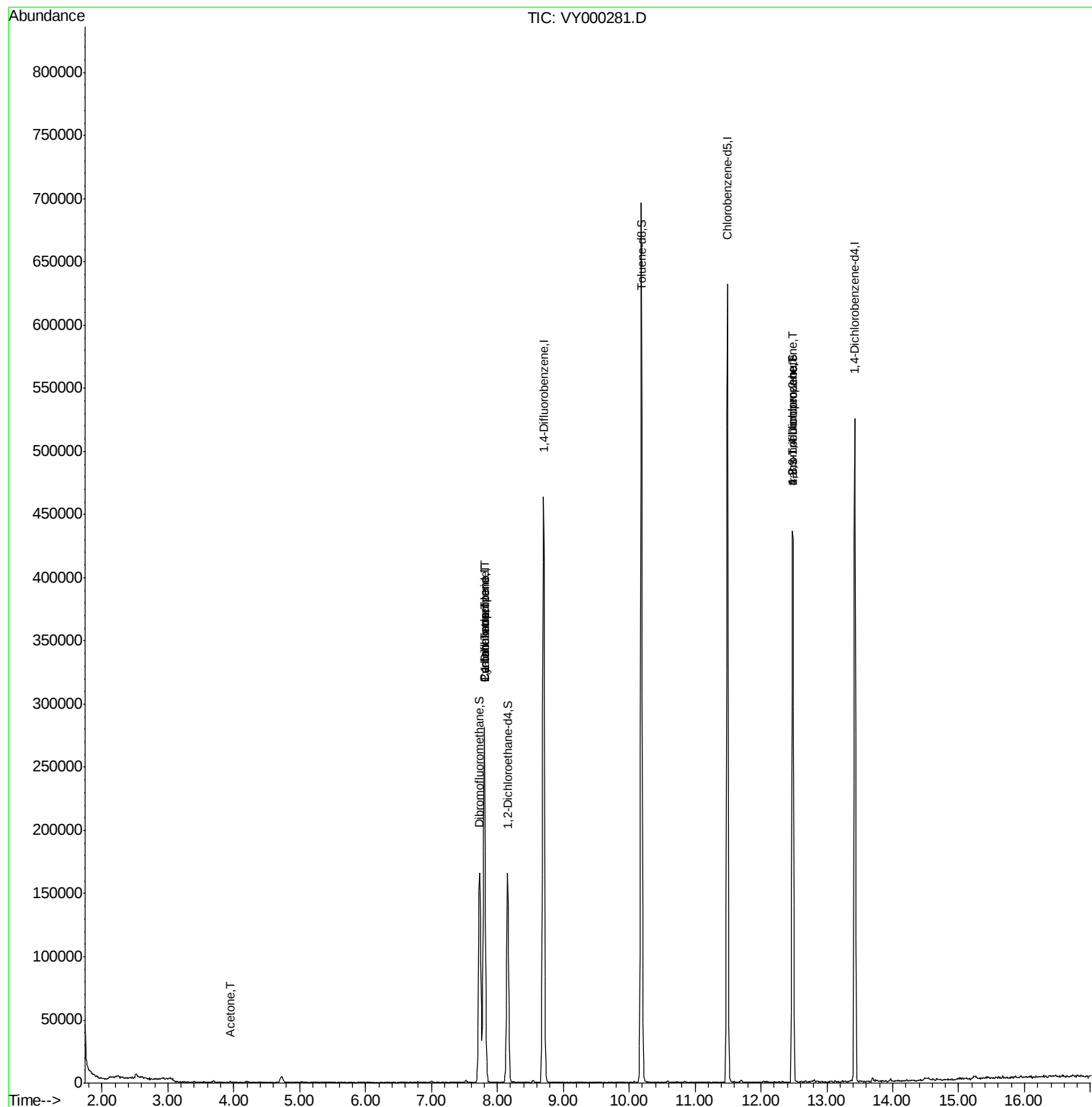
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.67	94	21	Below Cal	#	3
16) Acetone	3.96	43	994	1.331	ug/l #	42
20) Methylene Chloride	4.72	84	3788	Below Cal	#	74
31) Cyclohexane	7.80	56	4813	1.091	ug/l #	23
36) 1,1-Dichloropropene	7.80	75	16364	4.203	ug/l #	51
38) Carbon Tetrachloride	7.80	117	21452	5.690	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	73212	47.404	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	73212	103.717	ug/l #	14

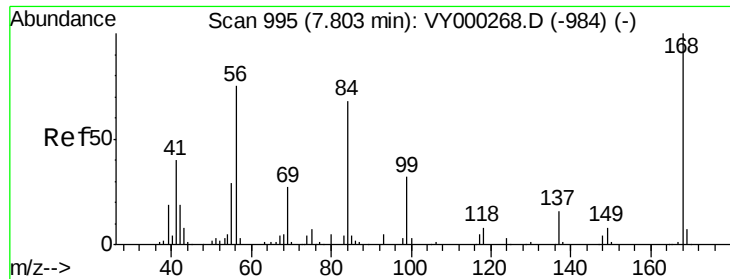
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 14 07:29:17 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: VY000281.D

Acq: 11 Oct 2019 19:21

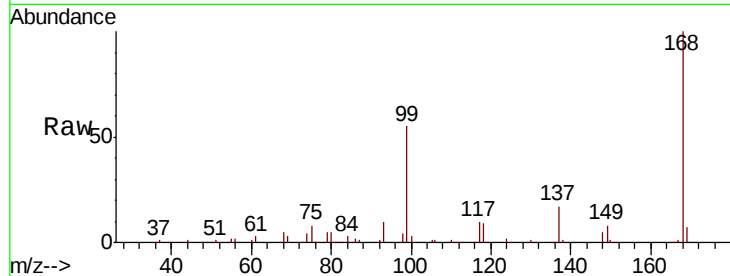
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 218564

Ion Ratio Lower Upper

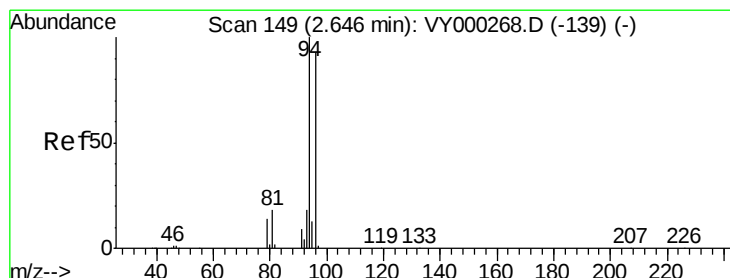
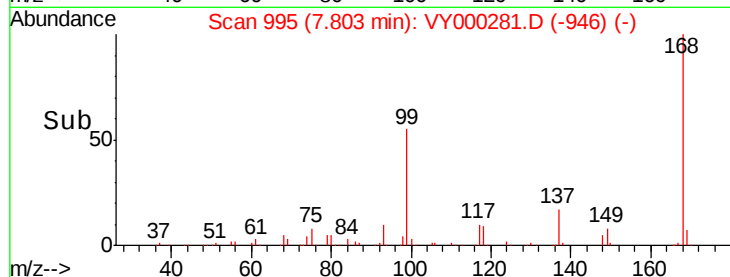
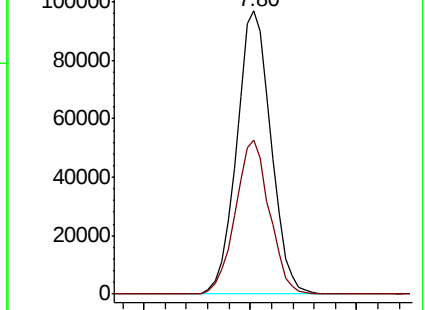
168 100

99 54.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000281.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000281.D (-946) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.67 min Scan# 153

Delta R.T. 0.02 min

Lab File: VY000281.D

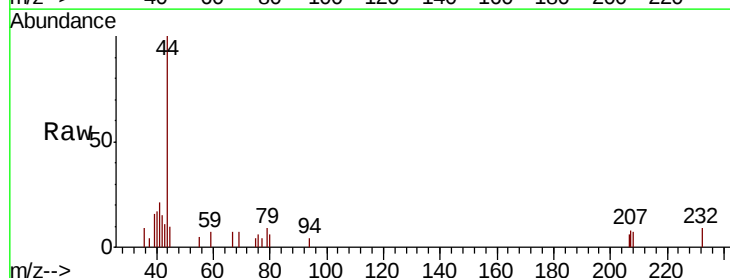
Acq: 11 Oct 2019 19:21

Tgt Ion: 94 Resp: 21

Ion Ratio Lower Upper

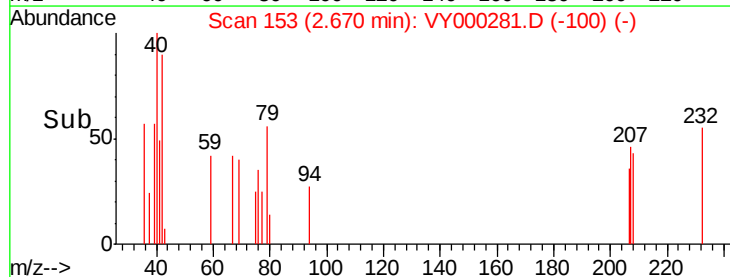
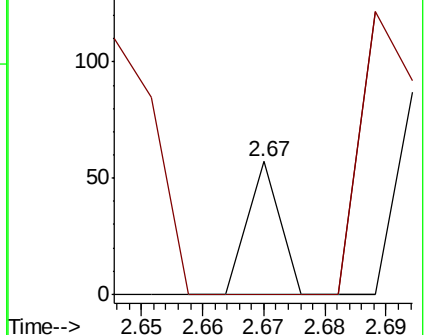
94 100

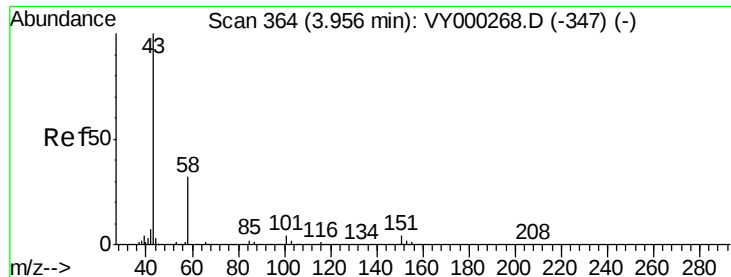
96 0.0 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VY000281.D (-100) (-)

Ion 95.90 (95.60 to 96.60): VY000281.D (-100) (-)





#16

Acetone

Concen: 1.331 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000281.D

Acq: 11 Oct 2019 19:21

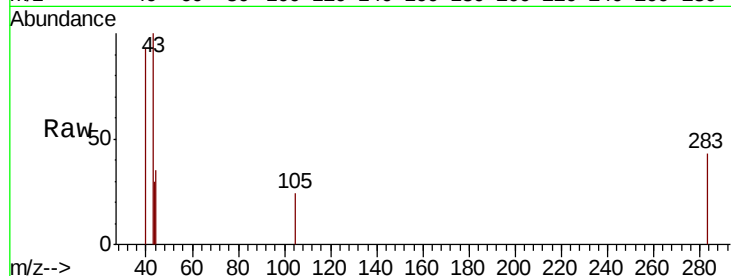
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 994

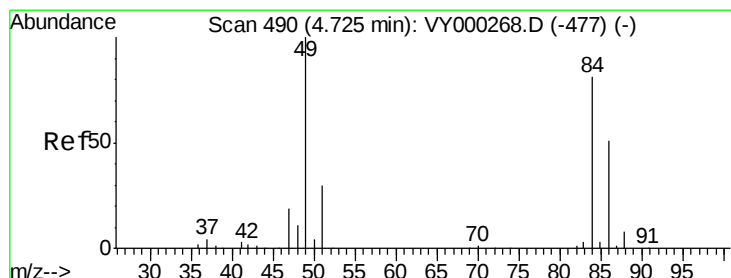
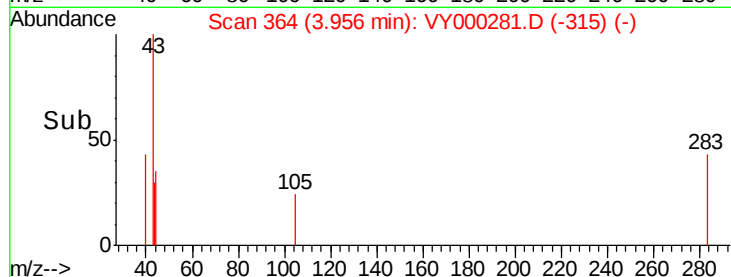
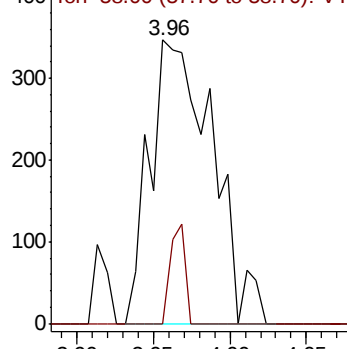
Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000281.D

Acq: 11 Oct 2019 19:21

Tgt Ion: 84 Resp: 3788

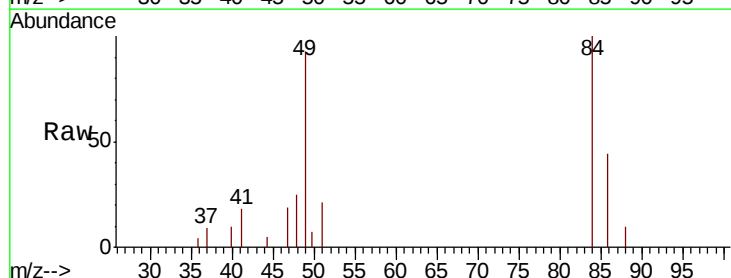
Ion Ratio Lower Upper

84 100

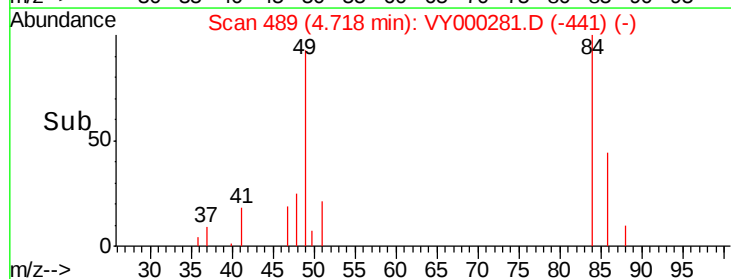
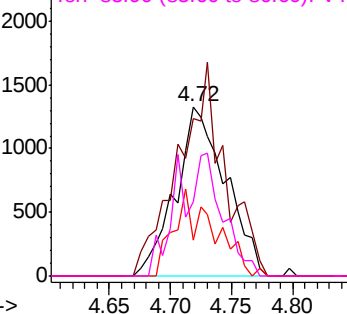
49 92.7 99.0 148.4#

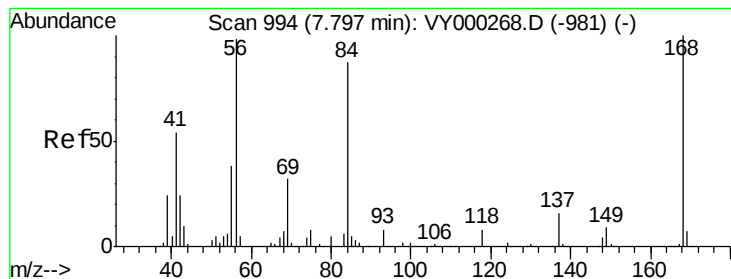
51 21.4 29.3 43.9#

86 44.0 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: 1.091 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

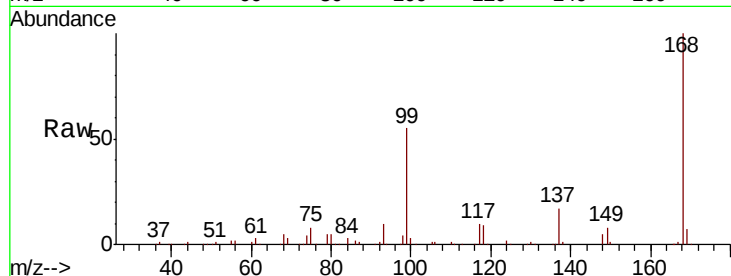
Lab File: VY000281.D

Acq: 11 Oct 2019 19:21

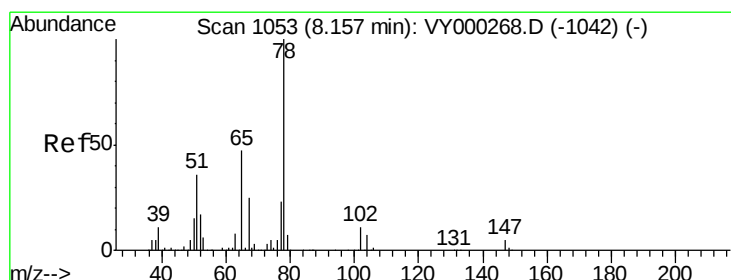
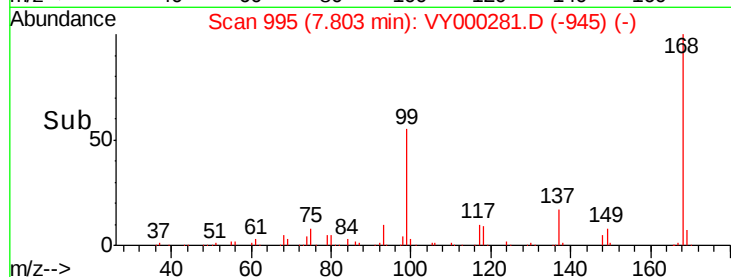
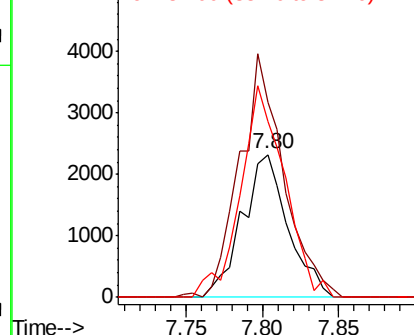
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 4813

Ion	Ratio	Lower	Upper
56	100		
69	136.4	26.3	39.5#
84	123.1	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: 55.164 ug/l

RT: 8.16 min Scan# 1053

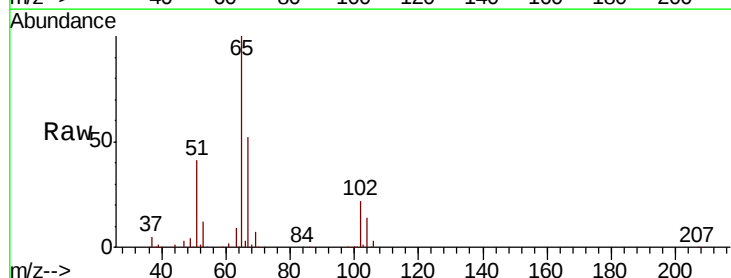
Delta R.T. -0.00 min

Lab File: VY000281.D

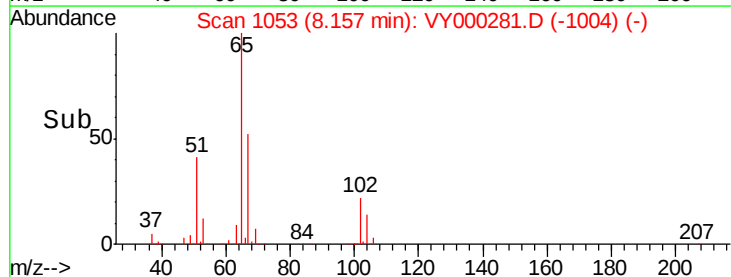
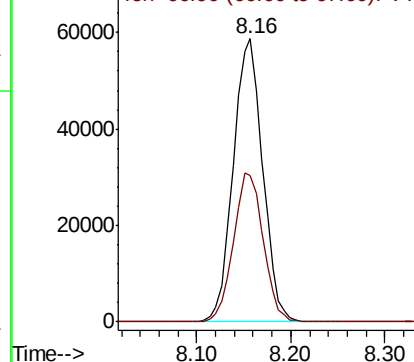
Acq: 11 Oct 2019 19:21

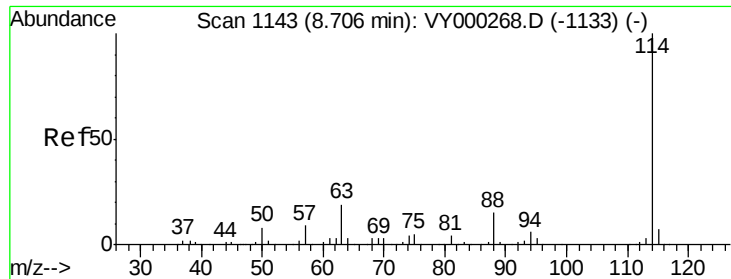
Tgt Ion: 65 Resp: 127181

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

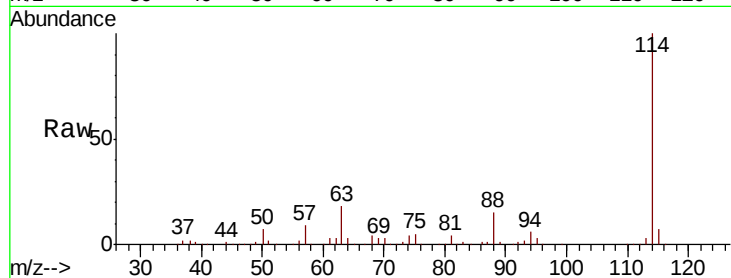




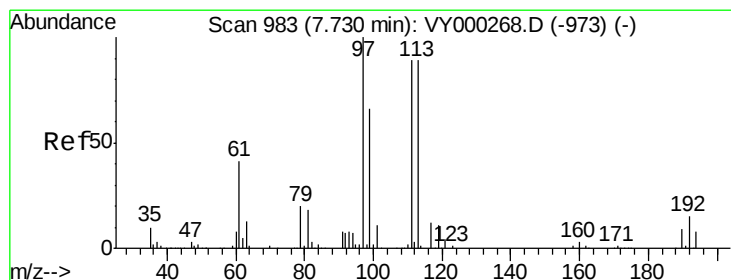
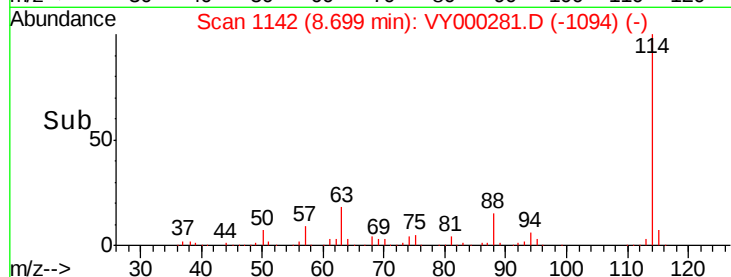
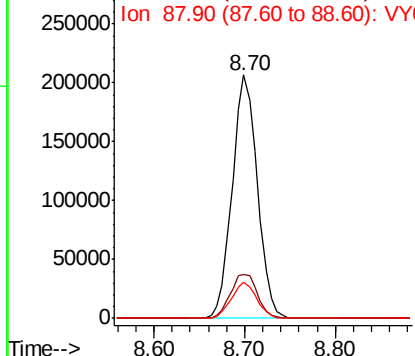
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000281.D
 Acq: 11 Oct 2019 19:21

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 397676
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 37.2
 88 14.7 0.0 30.2

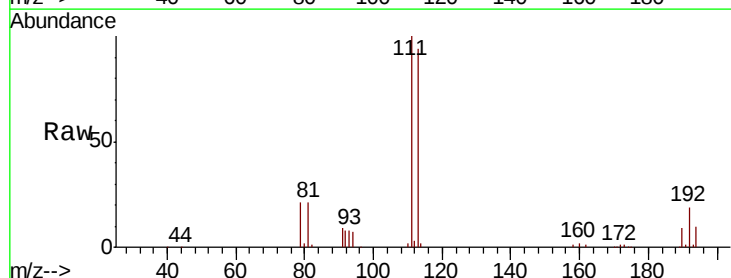


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

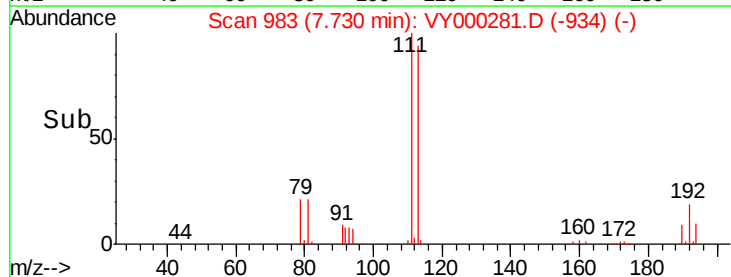
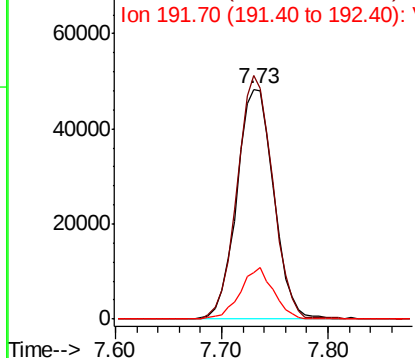


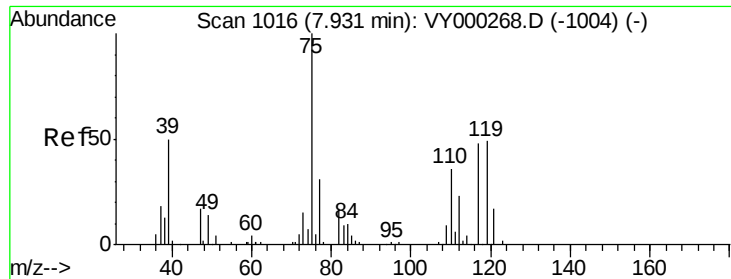
#35
 Dibromofluoromethane
 Concen: 49.075 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000281.D
 Acq: 11 Oct 2019 19:21

Tgt Ion:113 Resp: 117722
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.6 122.4
 192 20.1 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

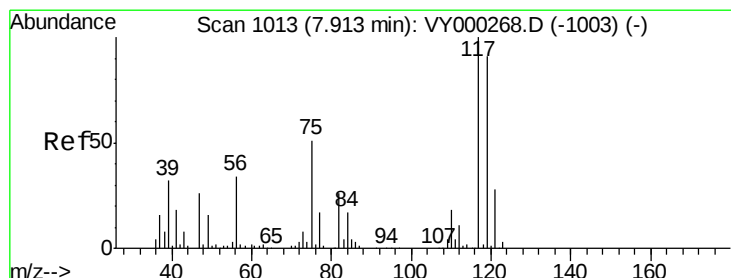
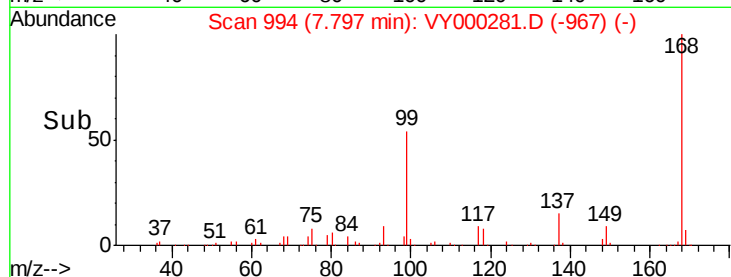
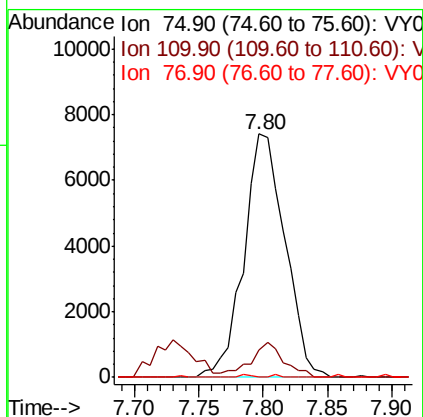
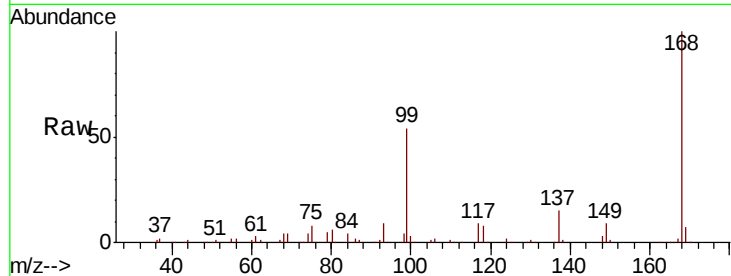




#36
 1,1-Dichloropropene
 Concen: 4.203 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000281.D
 Acq: 11 Oct 2019 19:21

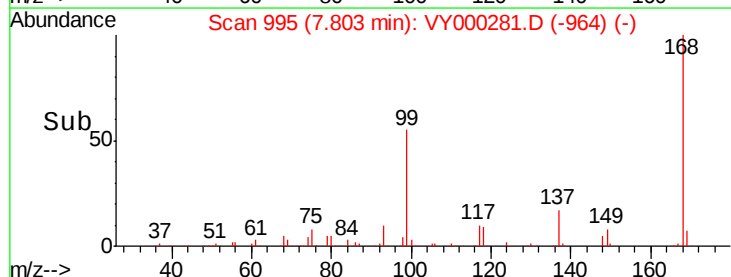
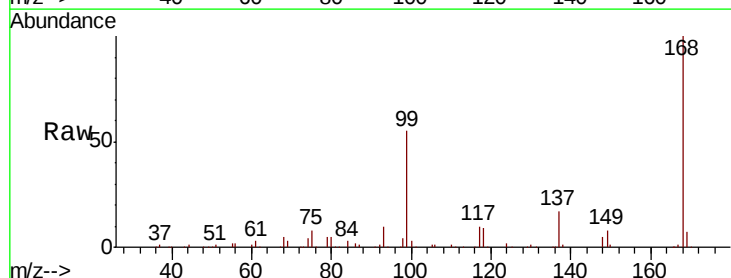
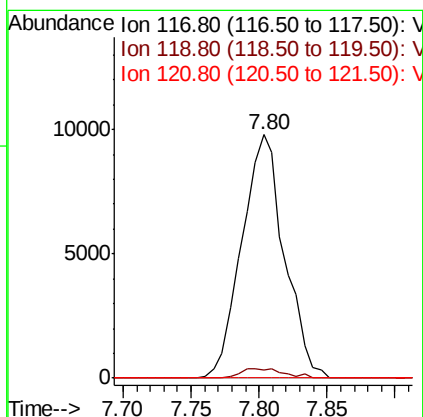
Instrument :
 MSVOA_Y
 ClientSampleId :

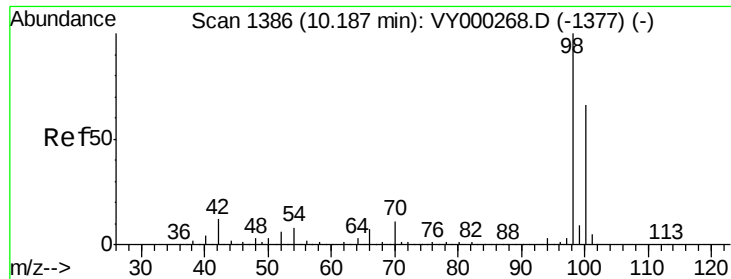
Tot Ion	75	Resp	16364
Ion Ratio	Lower	Upper	
75	100		
110	11.8	18.4	55.4#
77	0.2	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.690 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000281.D
 Acq: 11 Oct 2019 19:21

Tgt Ion	117	Resp	21452
Ion Ratio	Lower	Upper	
117	100		
119	3.3	72.8	109.2#
121	0.0	22.2	33.2#





#50

Toluene-d8

Concen: 48.972 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY000281.D

Acq: 11 Oct 2019 19:21

Instrument :

MSVOA_Y

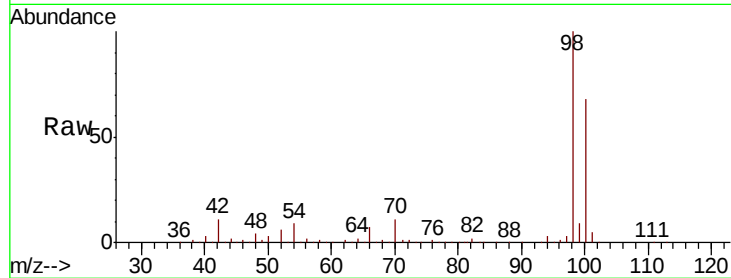
ClientSampleId :

Tot Ion: 98 Resp: 451895

Ion Ratio Lower Upper

98 100

100 66.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY000281.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY000281.D (-1377) (-)

10.19

250000

200000

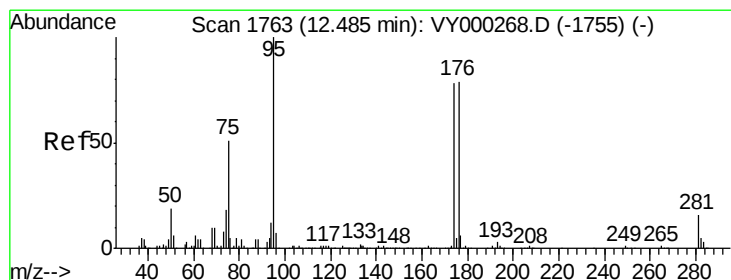
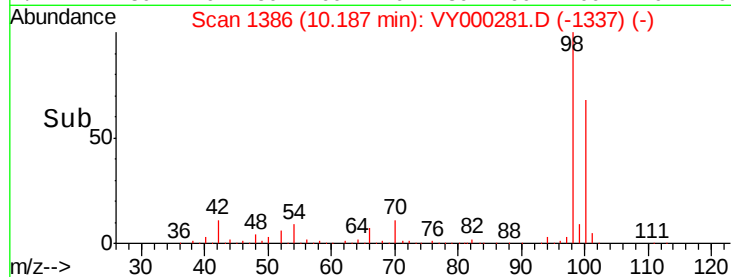
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 39.000 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000281.D

Acq: 11 Oct 2019 19:21

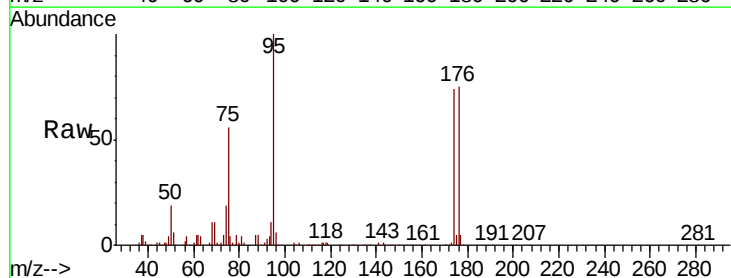
Tgt Ion: 95 Resp: 136722

Ion Ratio Lower Upper

95 100

174 80.9 0.0 159.6

176 80.7 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VY000281.D (-1714) (-)

Ion 173.80 (173.50 to 174.50): VY000281.D (-1714) (-)

Ion 175.80 (175.50 to 176.50): VY000281.D (-1714) (-)

12.48

120000

100000

80000

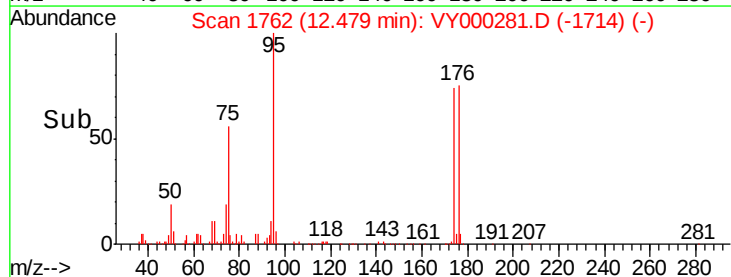
60000

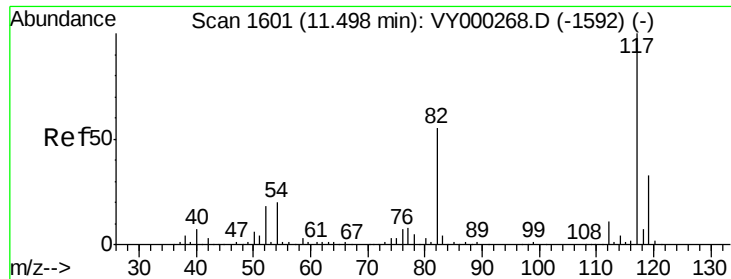
40000

20000

0

Time-->

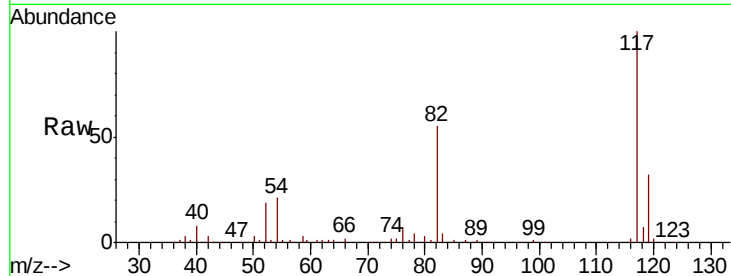




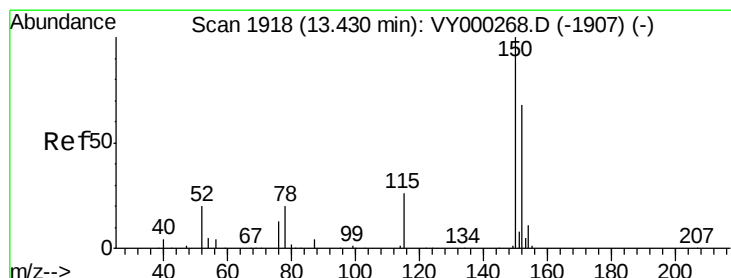
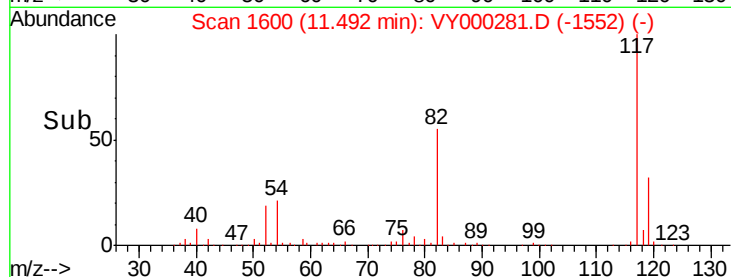
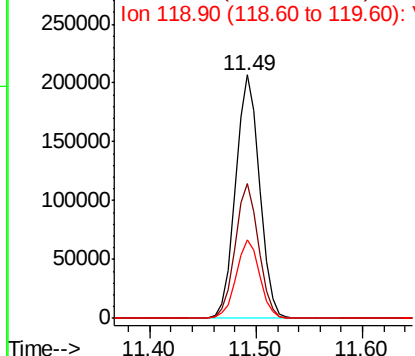
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000281.D
Acq: 11 Oct 2019 19:21

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 327496
Ion Ratio Lower Upper
117 100
82 55.3 43.7 65.5
119 32.5 26.6 39.8

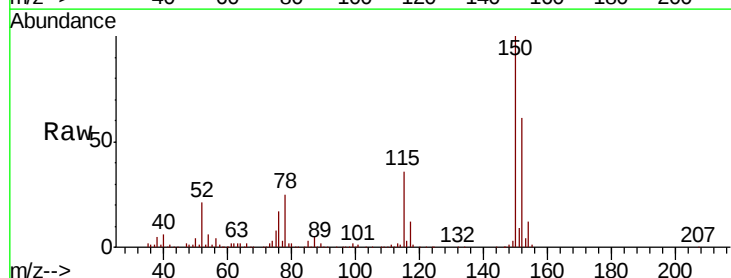


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

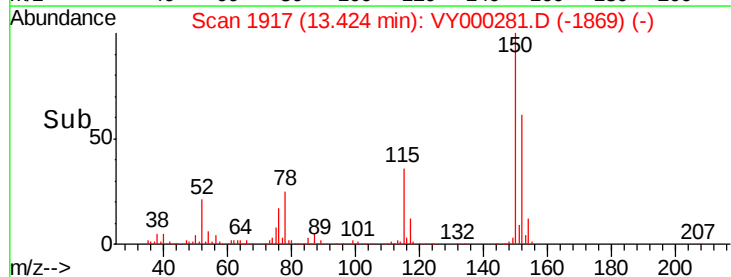
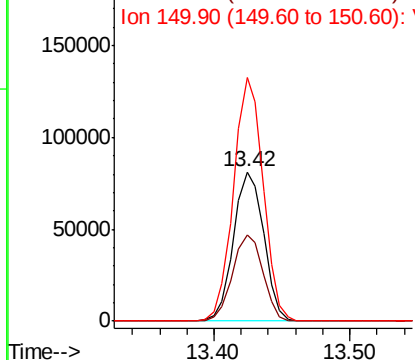


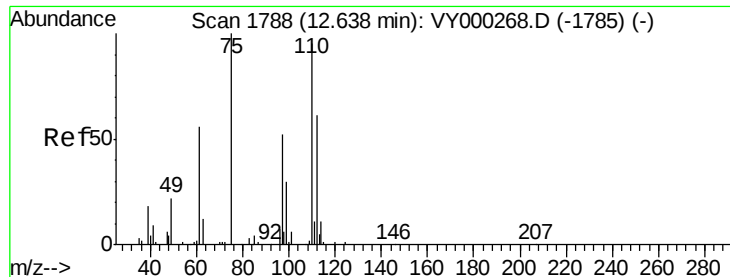
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000281.D
Acq: 11 Oct 2019 19:21

Tgt Ion:152 Resp: 125599
Ion Ratio Lower Upper
152 100
115 58.3 29.3 88.0
150 159.8 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: 47.404 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000281.D

Acq: 11 Oct 2019 19:21

Instrument :

MSVOA_Y

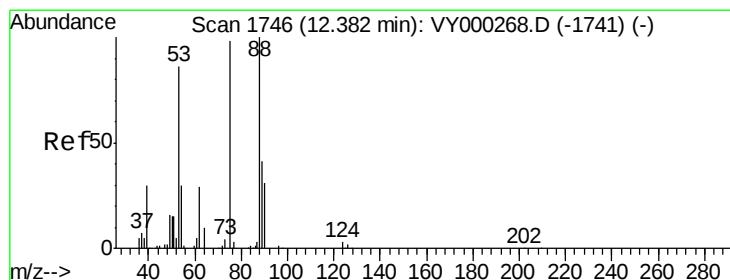
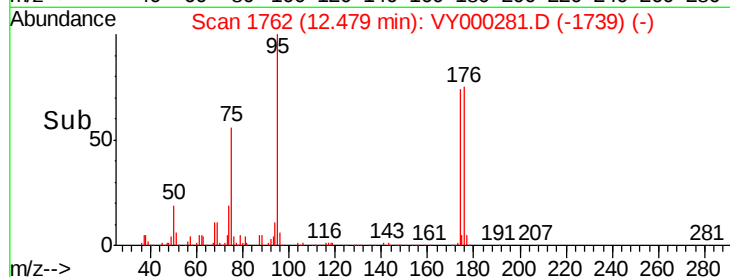
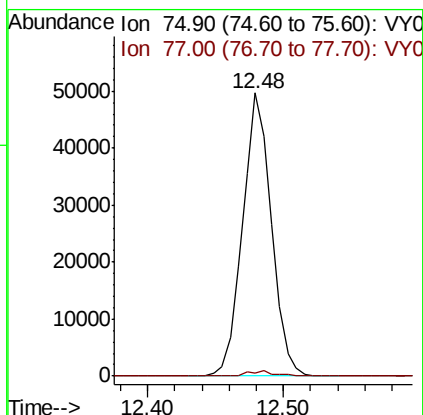
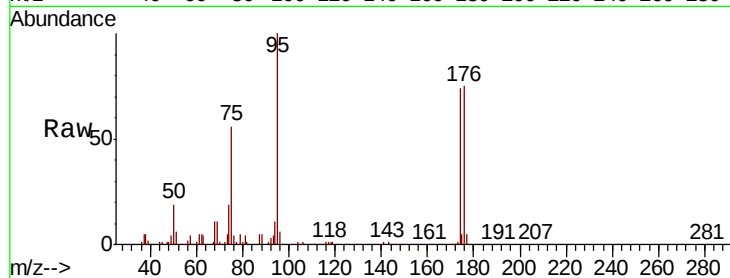
ClientSampled :

Tot Ion: 75 Resp: 73212

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 103.717 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000281.D

Acq: 11 Oct 2019 19:21

Tgt Ion: 75 Resp: 73212

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 35.1 52.7#

