

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102519\
 Data File : VY000430.D
 Acq On : 25 Oct 2019 15:42
 Operator : SY/MD
 Sample : K5539-08
 Misc : 6.76G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 26 01:45:36 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	197617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	342264	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	310302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	143525	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	117540	56.39	ug/l	0.00
Spiked Amount			Recovery	=	112.78%	
35) Dibromofluoromethane	7.73	113	100668	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
50) Toluene-d8	10.19	98	395987	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.48	95	136153	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	

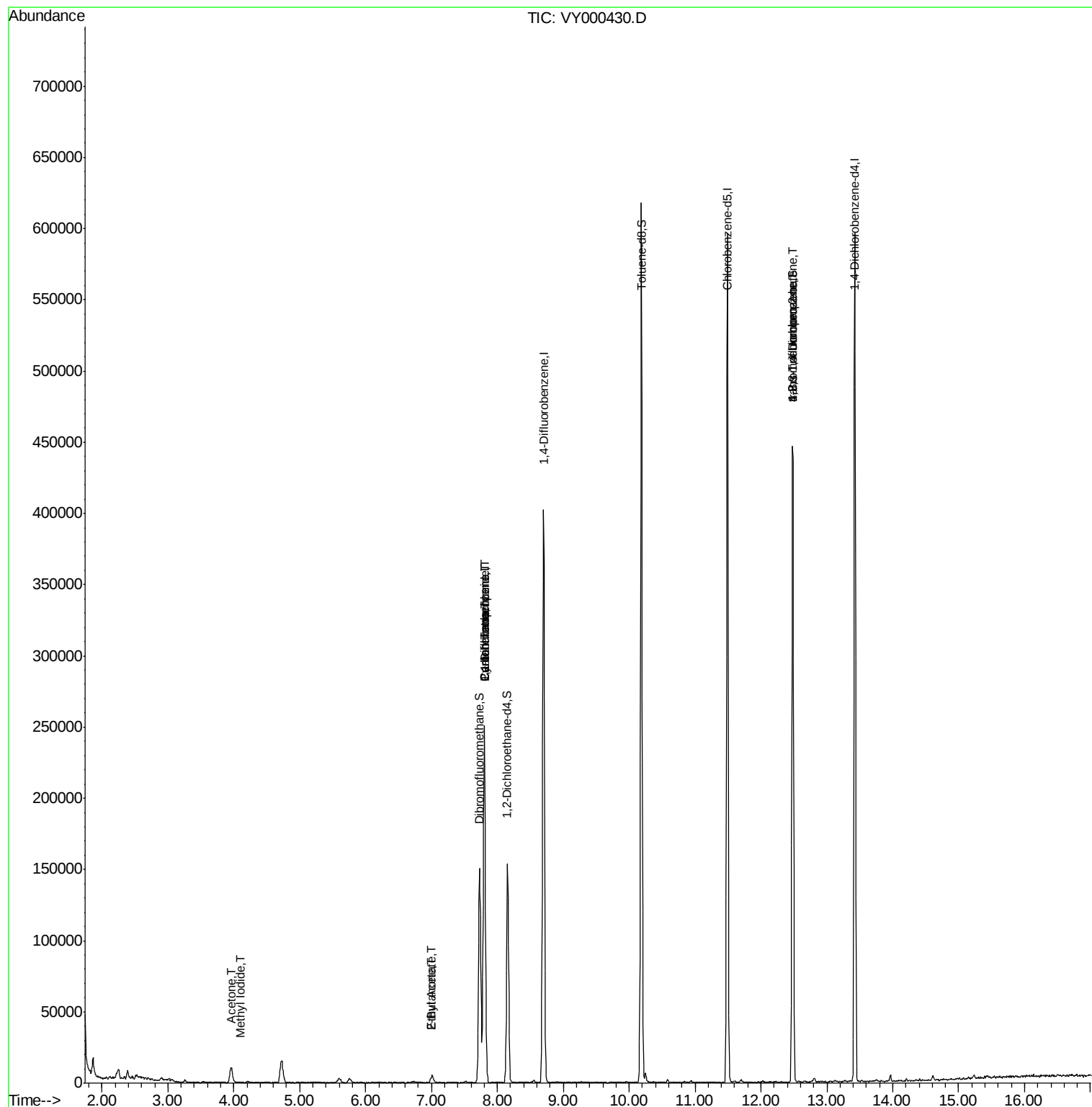
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.10	142	149	1.236	ug/l #	41
16) Acetone	3.96	43	18715	27.723	ug/l	95
20) Methylene Chloride	4.72	84	12300	Below Cal		88
25) 2-Butanone	7.00	43	8744	9.195	ug/l #	69
31) Cyclohexane	7.80	56	4486	1.125	ug/l #	21
36) 1,1-Dichloropropene	7.80	75	15351	4.581	ug/l #	51
37) Ethyl Acetate	7.00	43	8744	4.407	ug/l #	67
38) Carbon Tetrachloride	7.81	117	18970	5.847	ug/l #	21
76) 1,2,3-Trichloropropane	12.48	75	73553	41.676	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	73553	91.186	ug/l #	14

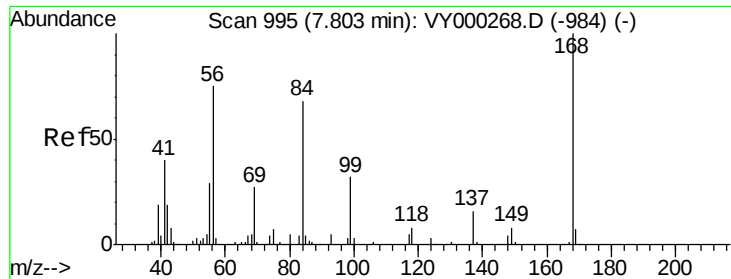
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 26 01:45:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260
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: VY000430.D

Acq: 25 Oct 2019 15:42

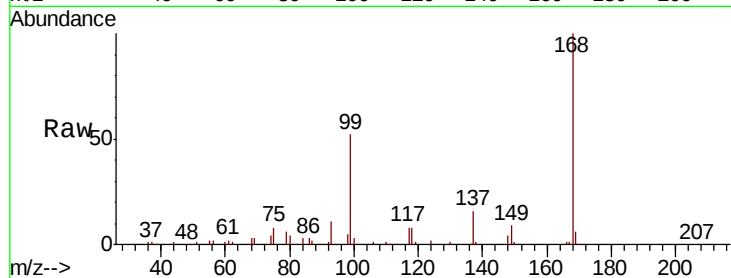
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 197617

Ion Ratio Lower Upper

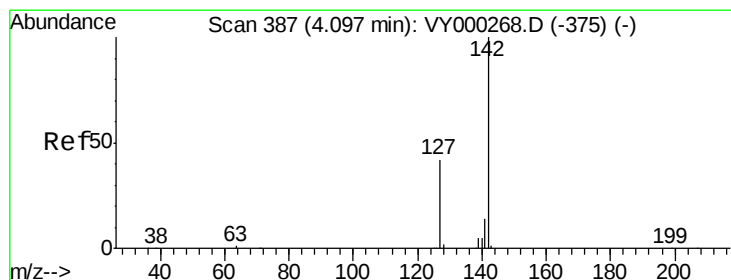
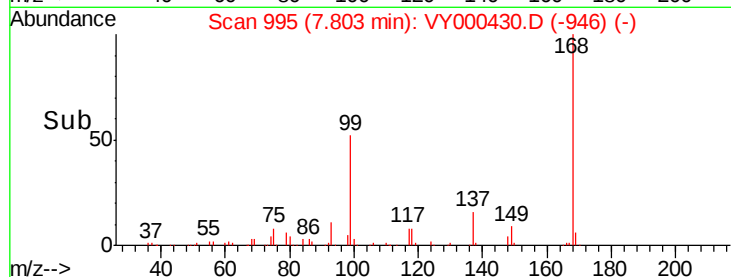
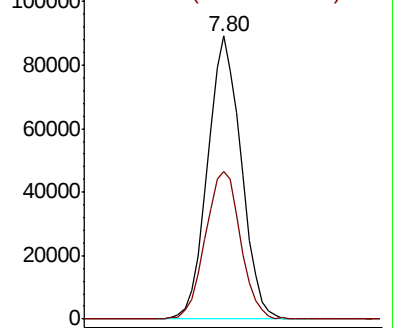
168 100

99 52.1 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 1.236 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000430.D

Acq: 25 Oct 2019 15:42

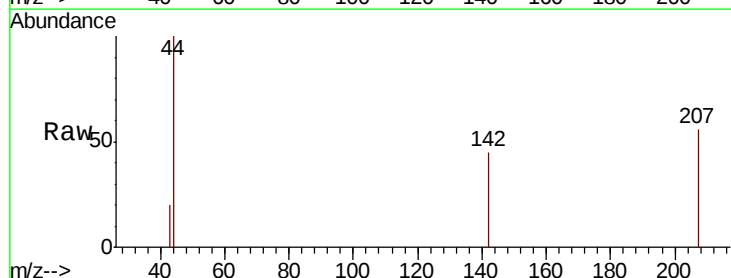
Tgt Ion:142 Resp: 149

Ion Ratio Lower Upper

142 100

127 0.0 33.9 50.9#

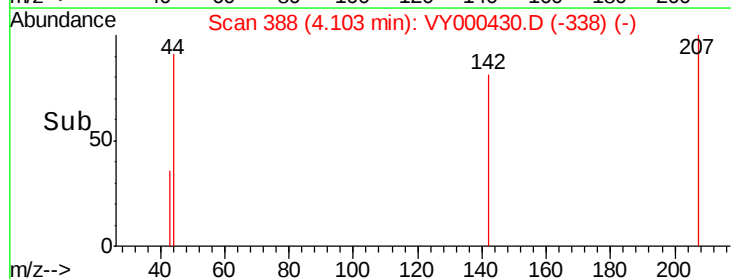
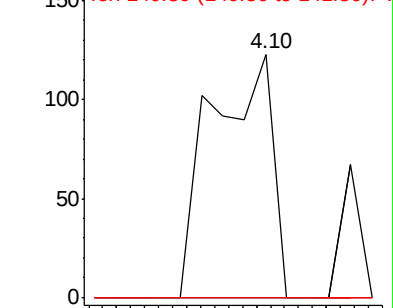
141 0.0 11.2 16.8#

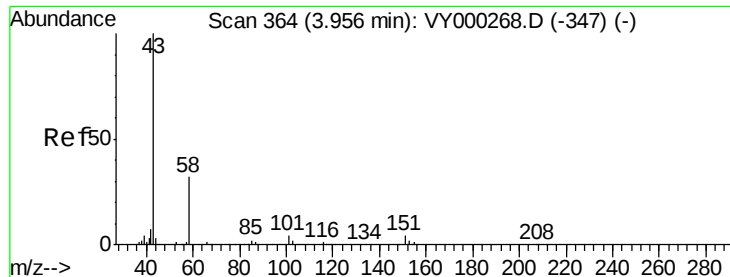


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 27.723 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000430.D

Acq: 25 Oct 2019 15:42

Instrument :

MSVOA_Y

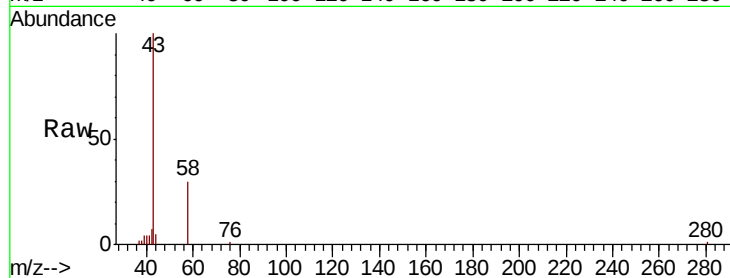
ClientSampleId :

Tot Ion: 43 Resp: 18715

Ion Ratio Lower Upper

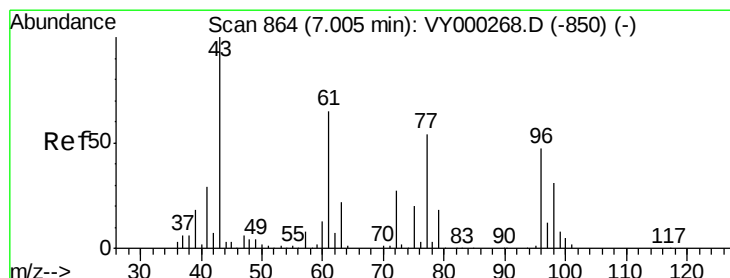
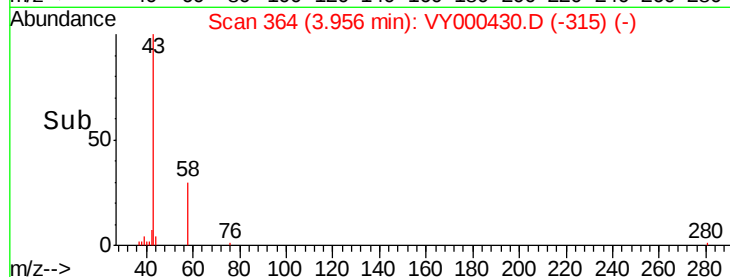
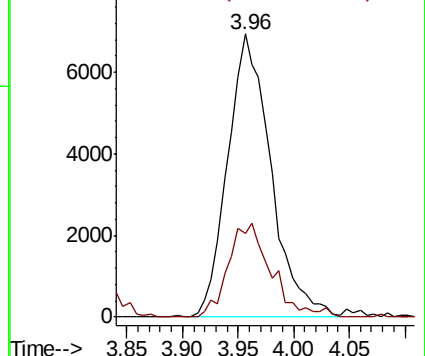
43 100

58 29.6 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#25

2-Butanone

Concen: 9.195 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY000430.D

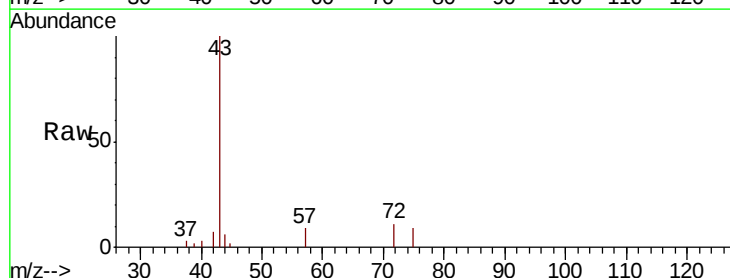
Acq: 25 Oct 2019 15:42

Tgt Ion: 43 Resp: 8744

Ion Ratio Lower Upper

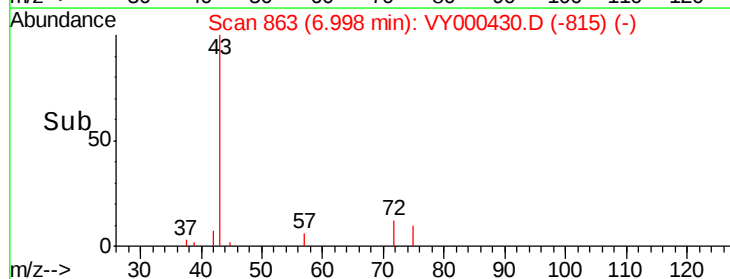
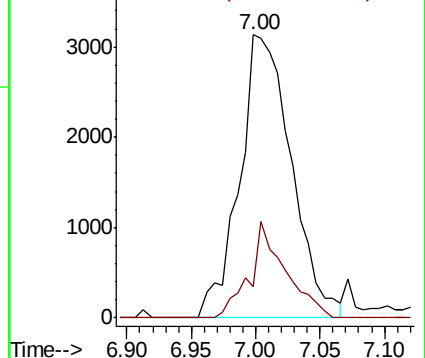
43 100

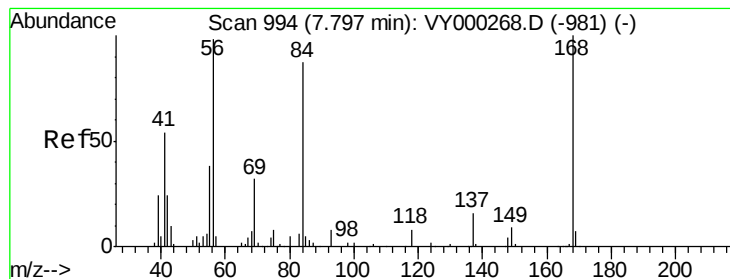
72 11.0 21.4 32.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.125 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000430.D

Acq: 25 Oct 2019 15:42

Instrument :
MSVOA_Y
ClientSampled :

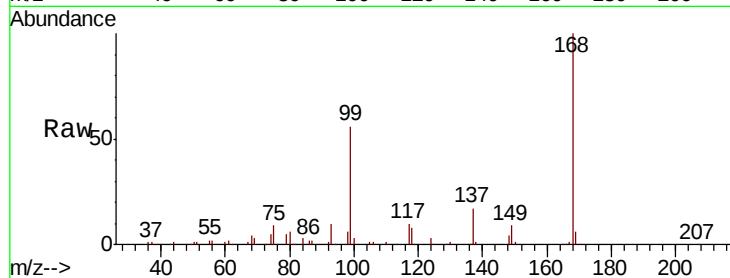
Tot Ion: 56 Resp: 4486

Ion Ratio Lower Upper

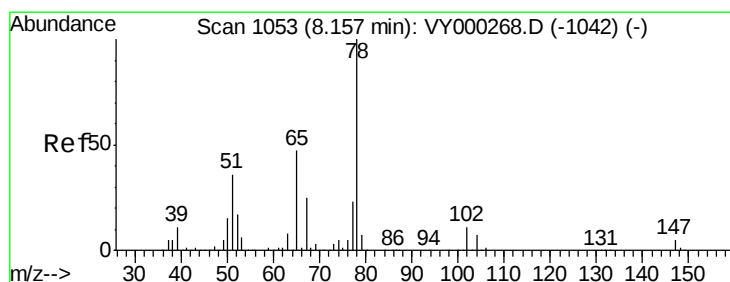
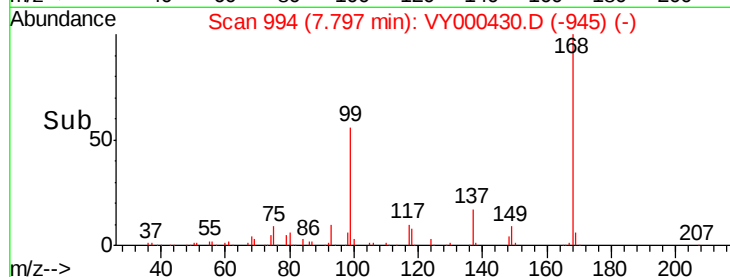
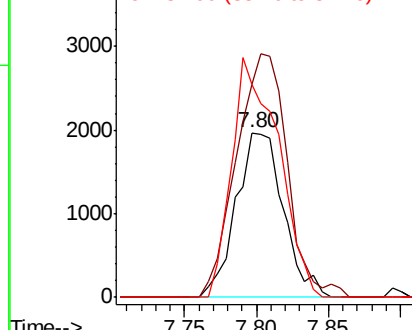
56 100

69 129.6 26.3 39.5#

84 129.6 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: 56.386 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000430.D

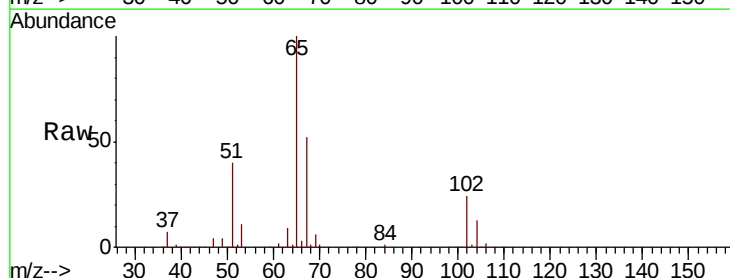
Acq: 25 Oct 2019 15:42

Tgt Ion: 65 Resp: 117540

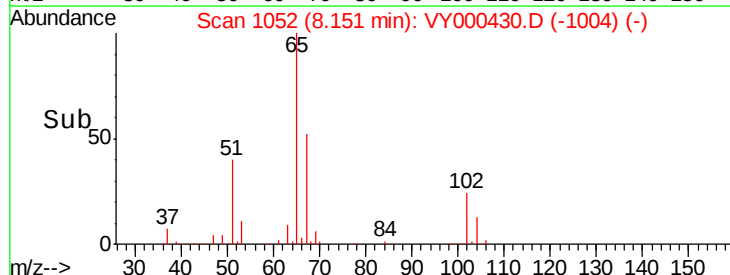
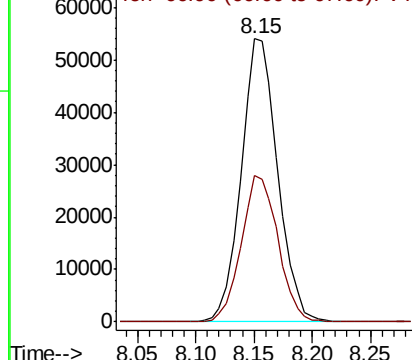
Ion Ratio Lower Upper

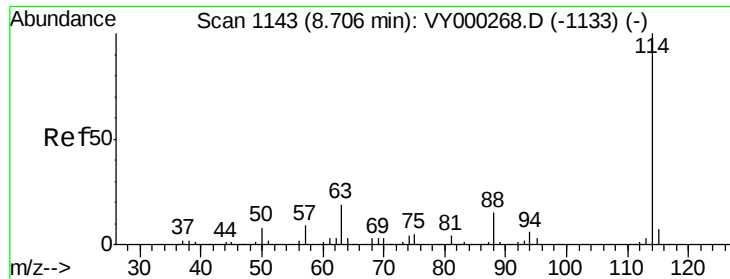
65 100

67 52.1 0.0 109.4



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

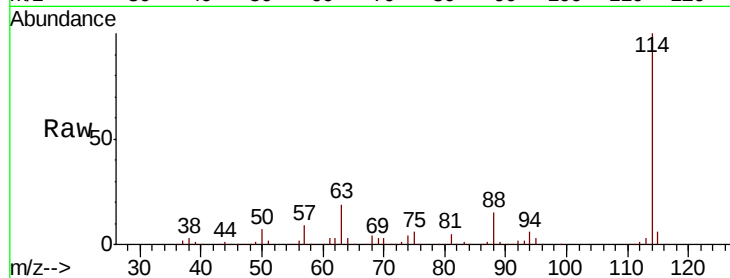




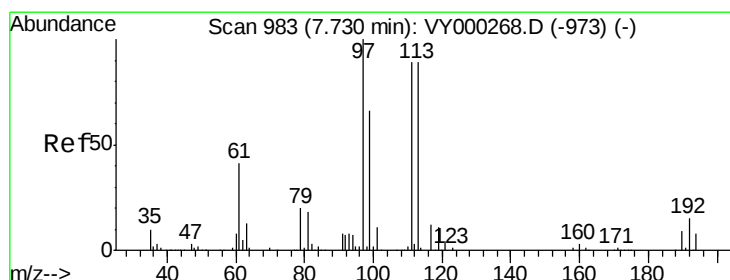
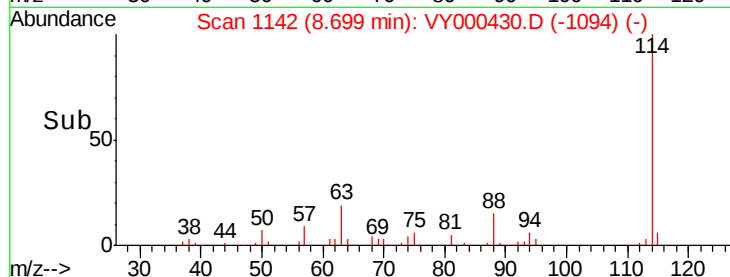
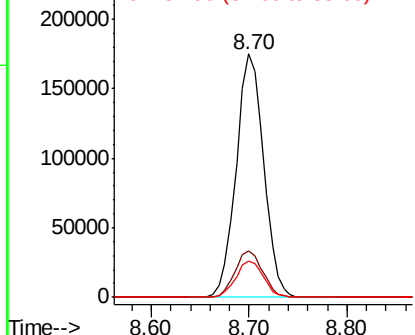
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VY000430.D
Acq: 25 Oct 2019 15:42

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:114 Resp: 342264
Ion Ratio Lower Upper
114 100
63 19.2 0.0 37.2
88 14.8 0.0 30.2

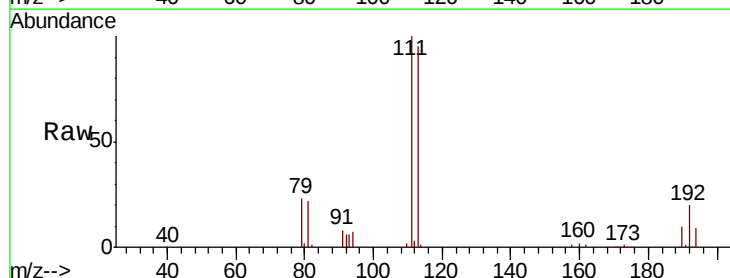


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

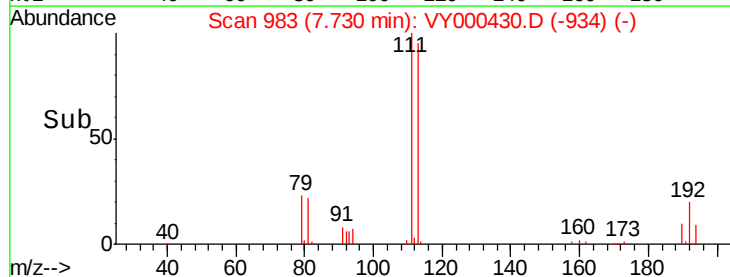
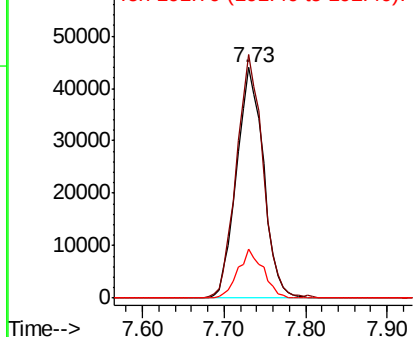


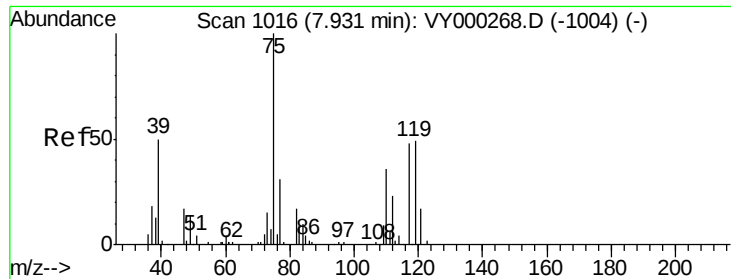
#35
Dibromofluoromethane
Concen: 48.760 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000430.D
Acq: 25 Oct 2019 15:42

Tgt Ion:113 Resp: 100668
Ion Ratio Lower Upper
113 100
111 103.7 81.6 122.4
192 19.9 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

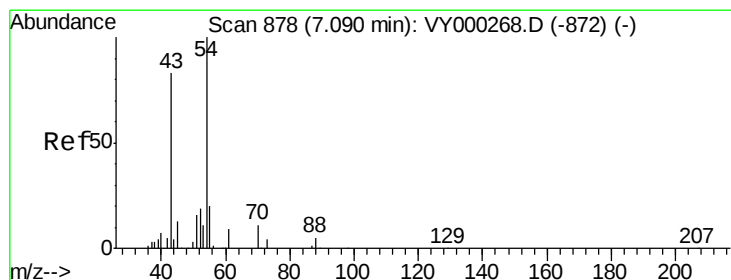
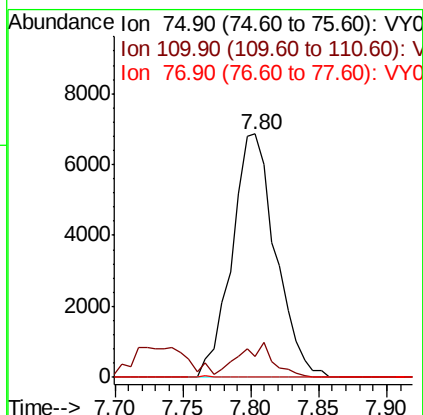
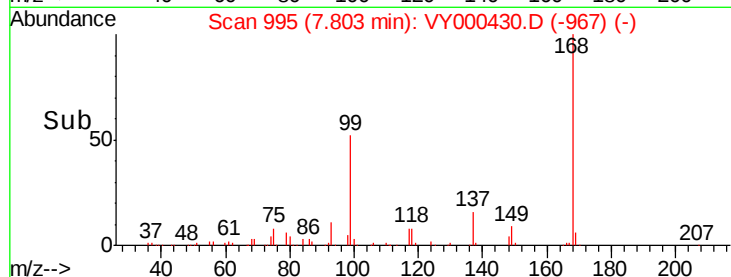
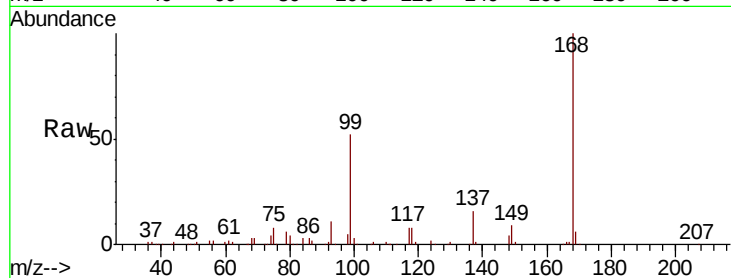




#36
 1,1-Dichloropropene
 Concen: 4.581 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000430.D
 Acq: 25 Oct 2019 15:42

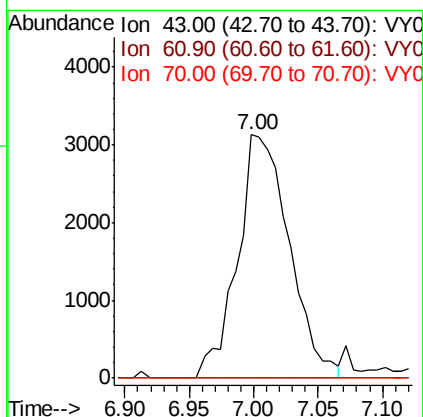
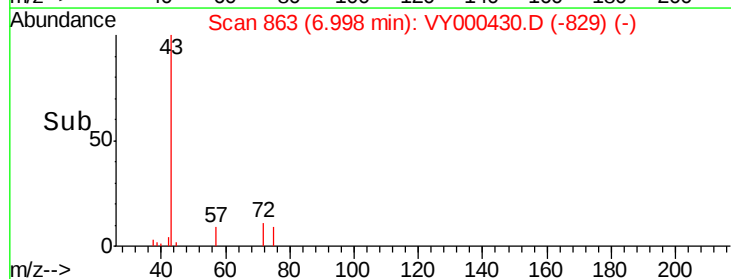
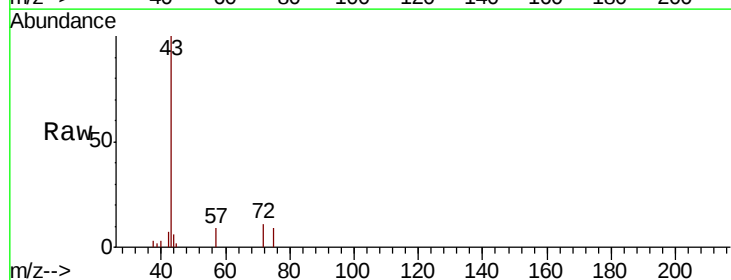
Instrument :
 MSVOA_Y
 ClientSampled :

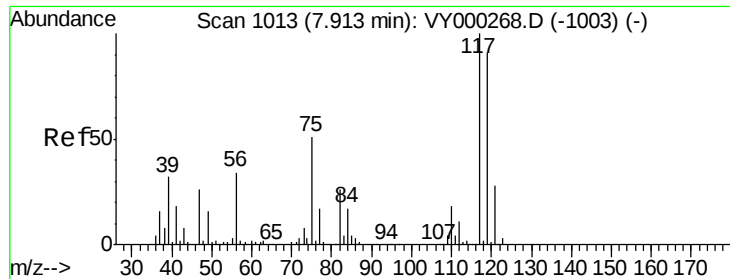
Tot Ion: 75 Resp: 15351
 Ion Ratio Lower Upper
 75 100
 110 11.2 18.4 55.4#
 77 0.0 25.0 37.6#



#37
 Ethyl Acetate
 Concen: 4.407 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.09 min
 Lab File: VY000430.D
 Acq: 25 Oct 2019 15:42

Tgt Ion: 43 Resp: 8744
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.1 18.1#
 70 0.0 8.7 13.1#

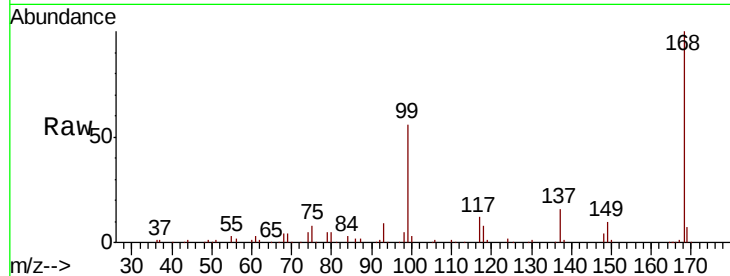




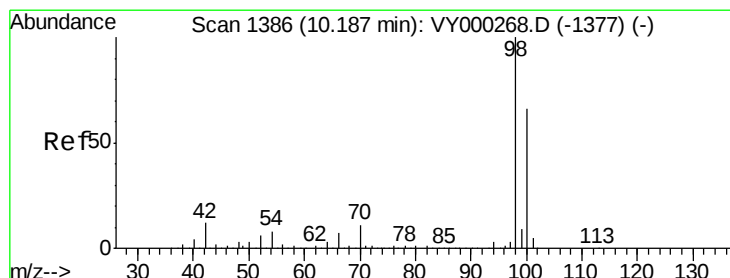
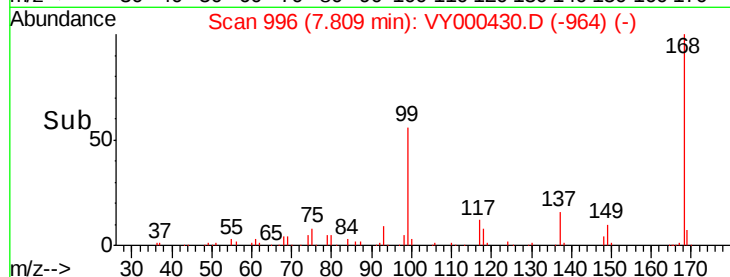
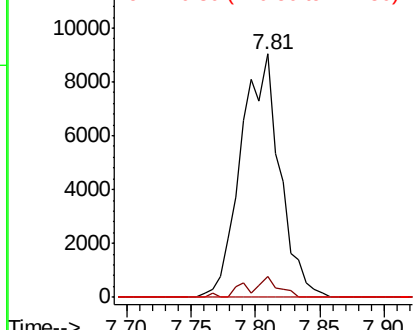
#38
Carbon Tetrachloride
Concen: 5.847 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.10 min
Lab File: VY000430.D
Acq: 25 Oct 2019 15:42

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 18970
Ion Ratio Lower Upper
117 100
119 8.3 72.8 109.2#
121 0.0 22.2 33.2#

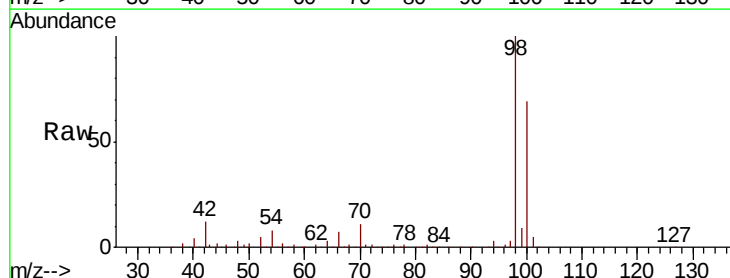


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

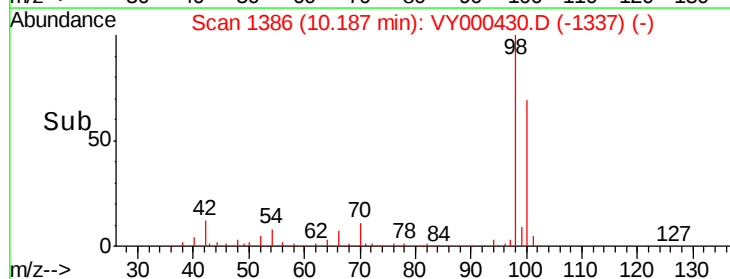
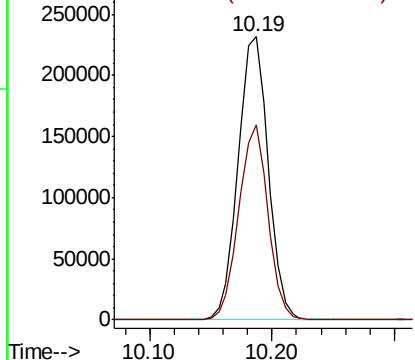


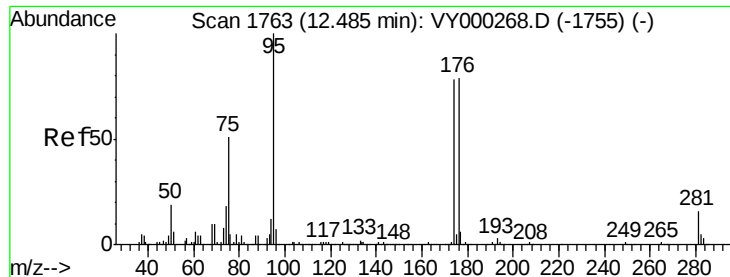
#50
Toluene-d8
Concen: 49.861 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000430.D
Acq: 25 Oct 2019 15:42

Tgt Ion: 98 Resp: 395987
Ion Ratio Lower Upper
98 100
100 66.6 52.8 79.2



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

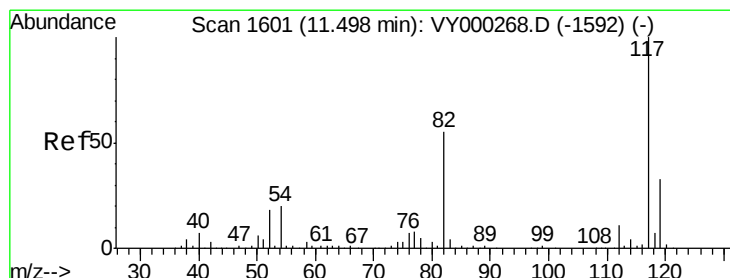
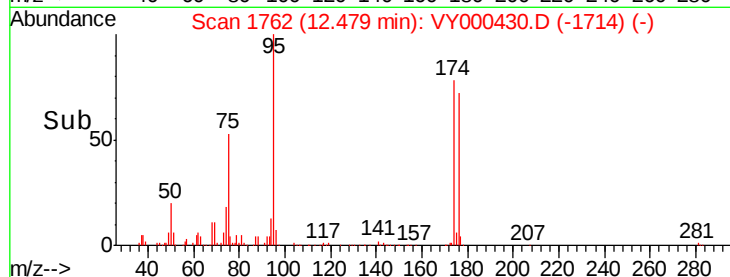
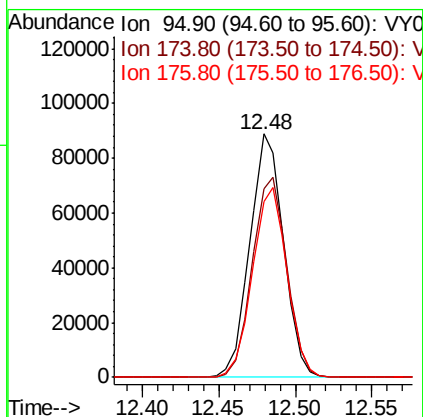
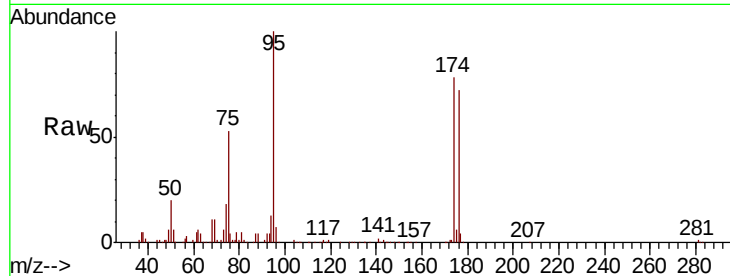




#62
4-Bromofluorobenzene
Concen: 45.126 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000430.D
Acq: 25 Oct 2019 15:42

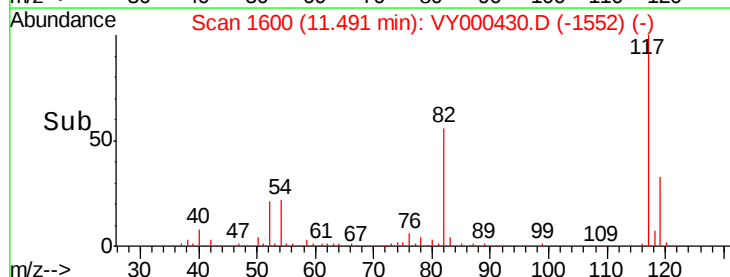
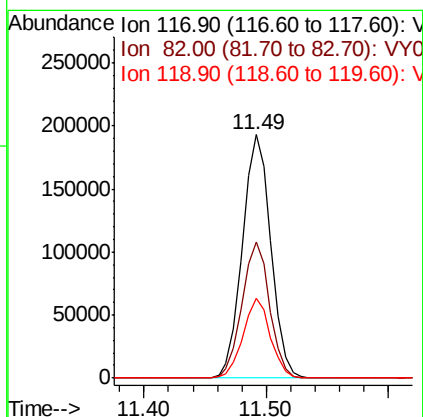
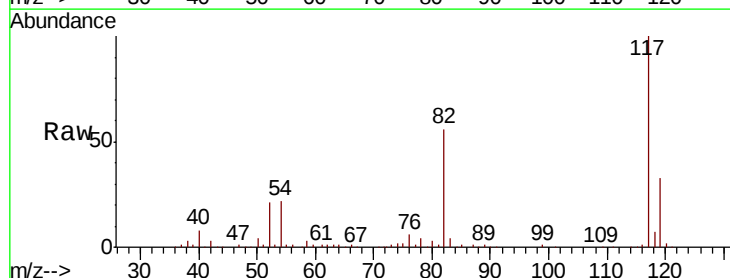
Instrument :
MSVOA_Y
ClientSampleId :

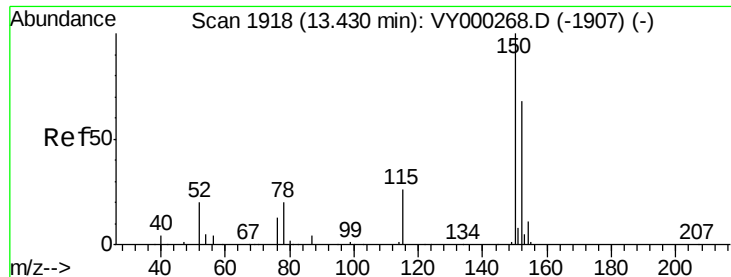
Tot Ion	Ratio	Lower	Upper
95	100		
174	84.3	0.0	159.6
176	79.9	0.0	153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000430.D
Acq: 25 Oct 2019 15:42

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.9	43.7	65.5
119	32.7	26.6	39.8



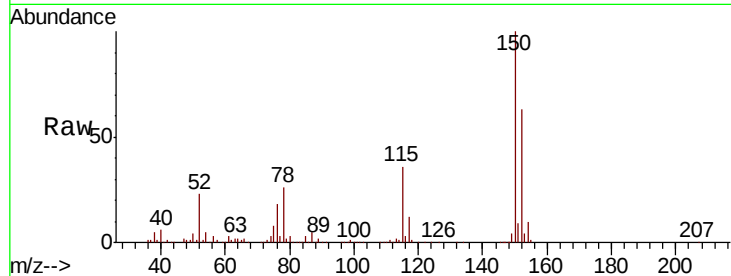


#72

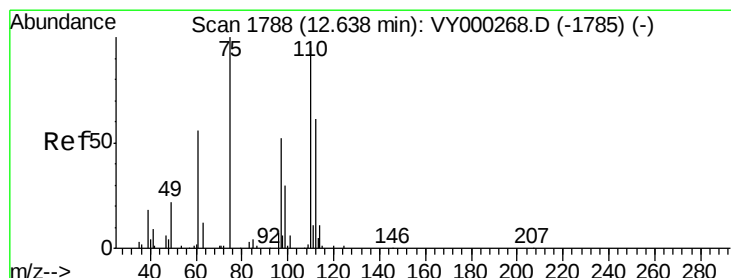
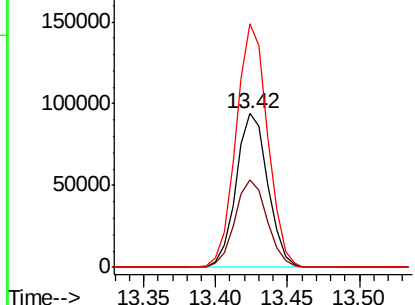
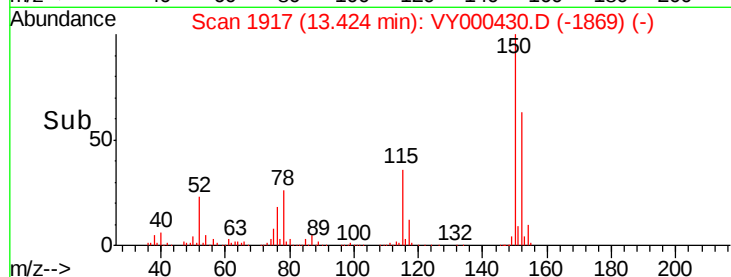
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000430.D
Acq: 25 Oct 2019 15:42

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.8	29.3	88.0
150	157.9	0.0	348.4



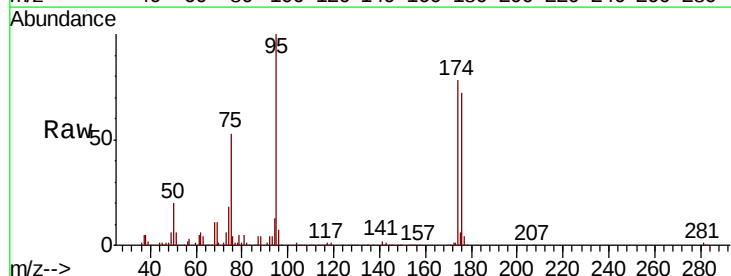
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



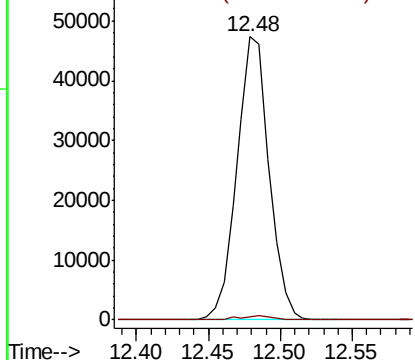
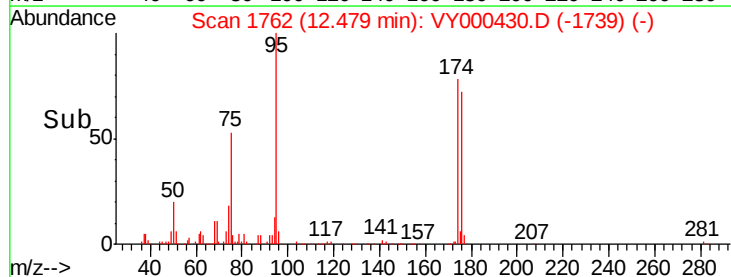
#76

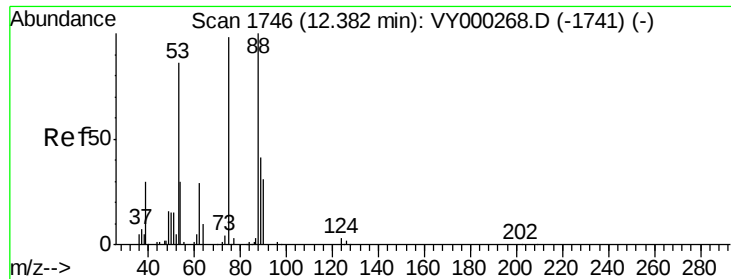
1,2,3-Trichloropropane
Concen: 41.676 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000430.D
Acq: 25 Oct 2019 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	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: 91.186 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000430.D

Acq: 25 Oct 2019 15:42

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 73553

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 35.1 52.7#

