

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
 Data File : VY000399.D
 Acq On : 23 Oct 2019 22:10
 Operator : SY/MD
 Sample : K5498-16
 Misc : 4.67G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 24 04:49:42 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	212096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	360919	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	310663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	124535	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	120137	53.70	ug/l	0.00
Spiked Amount			Recovery	=	107.40%	
35) Dibromofluoromethane	7.73	113	104097	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
50) Toluene-d8	10.18	98	419472	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.48	95	128874	40.51	ug/l	0.00
Spiked Amount			Recovery	=	81.02%	

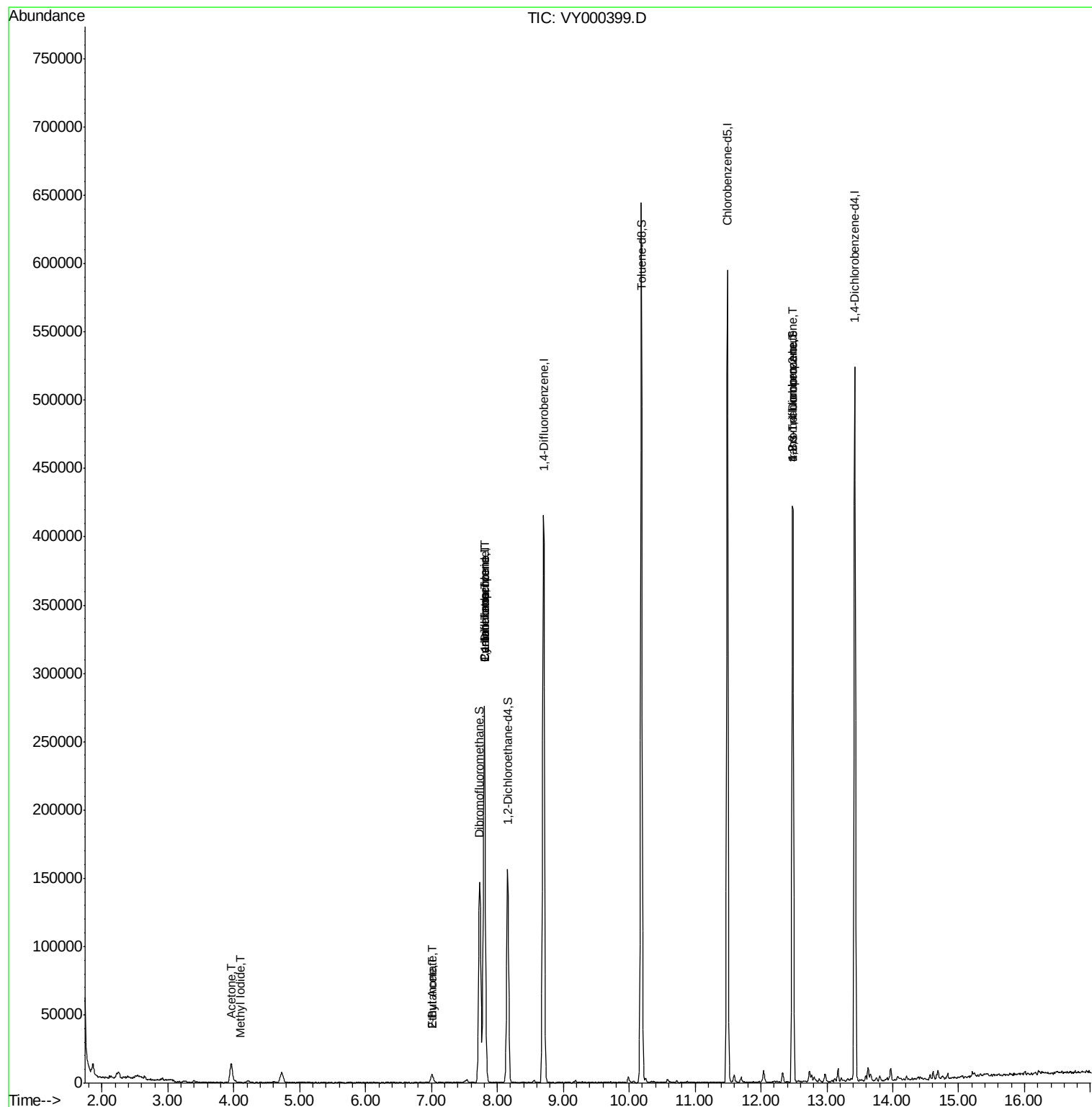
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	112	Below Cal	#	41
10) Methyl Iodide	4.10	142	35	1.197	ug/l #	41
16) Acetone	3.96	43	25333	34.965	ug/l	97
20) Methylene Chloride	4.72	84	5090	Below Cal	#	90
25) 2-Butanone	7.01	43	10176	9.970	ug/l #	82
31) Cyclohexane	7.80	56	4618	1.079	ug/l #	44
36) 1,1-Dichloropropene	7.80	75	16085	4.552	ug/l #	50
37) Ethyl Acetate	7.01	43	10176	4.863	ug/l #	67
38) Carbon Tetrachloride	7.80	117	20356	5.950	ug/l #	20
76) 1,2,3-Trichloropropane	12.48	75	67861	44.314	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	67861	96.958	ug/l #	14

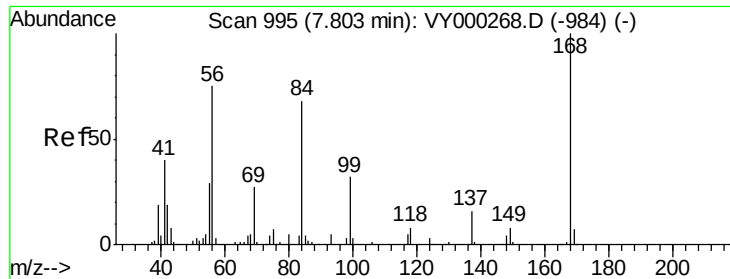
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000399.D

Acq: 23 Oct 2019 22:10

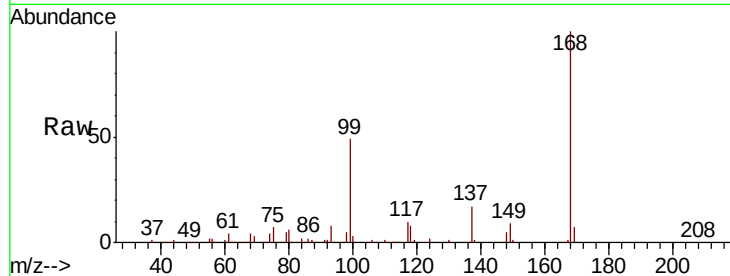
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 212096

Ion Ratio Lower Upper

168 100

99 49.4 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) (-)

7.80

100000

80000

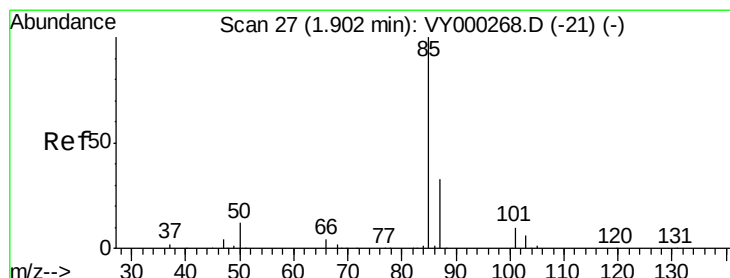
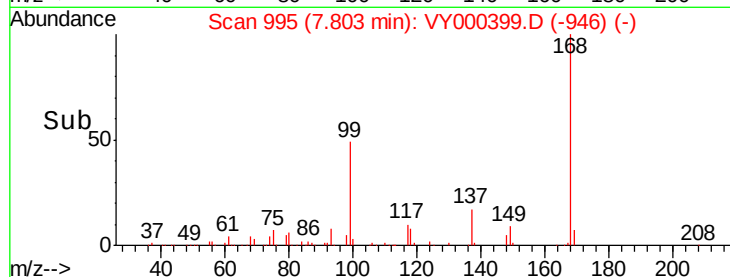
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 26

Delta R.T. -0.01 min

Lab File: VY000399.D

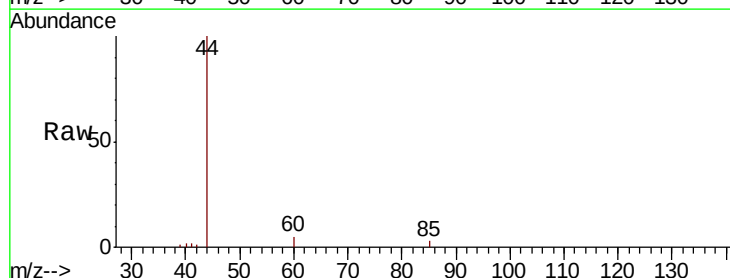
Acq: 23 Oct 2019 22:10

Tgt Ion: 85 Resp: 112

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) (-)

1.90

200

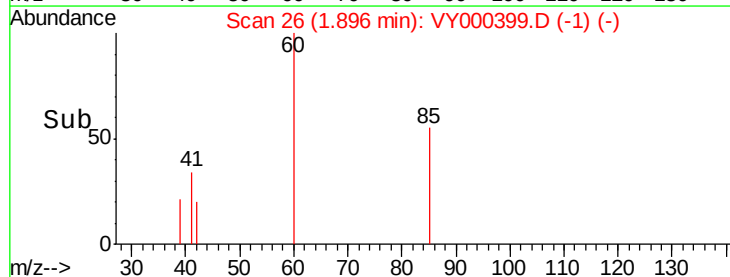
150

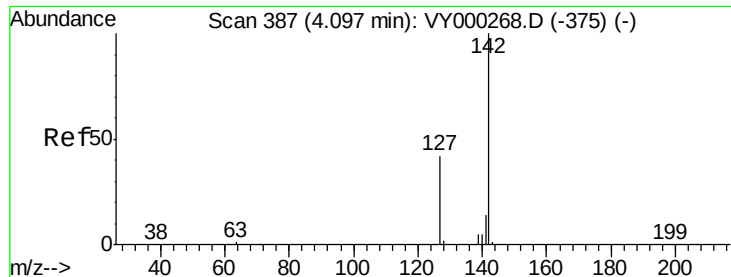
100

50

0

Time-->

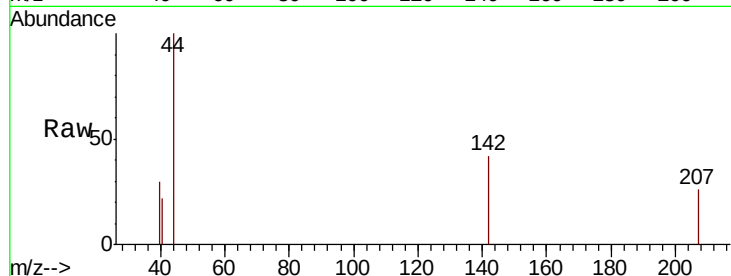




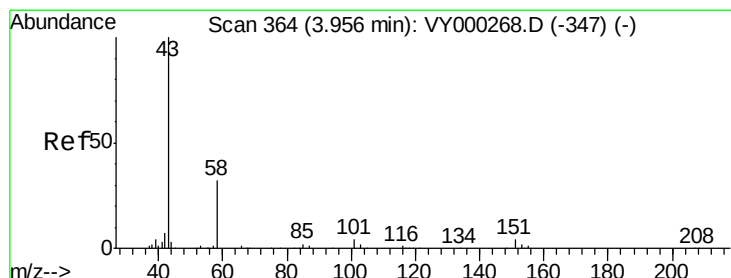
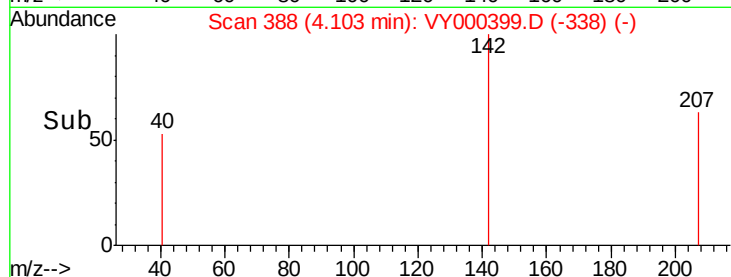
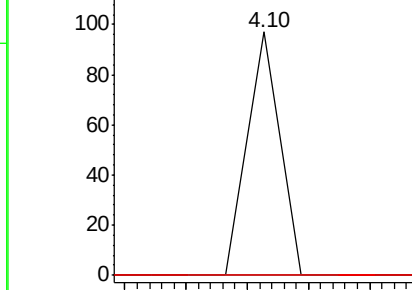
#10
Methvl Iodide
Concen: 1.197 ug/l
RT: 4.10 min Scan# 388
Delta R.T. 0.01 min
Lab File: VY000399.D
Acq: 23 Oct 2019 22:10

Instrument :
MSVOA_Y
ClientSampleId :

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

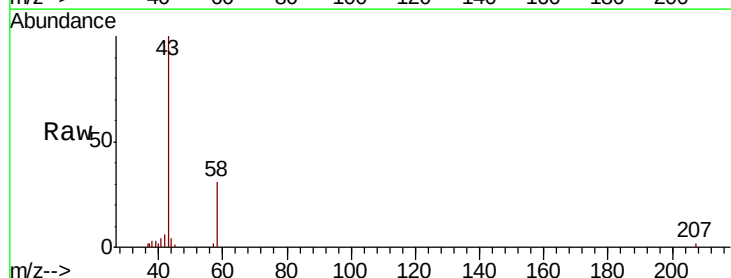


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

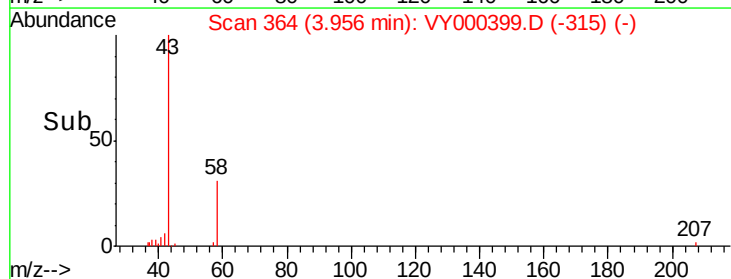
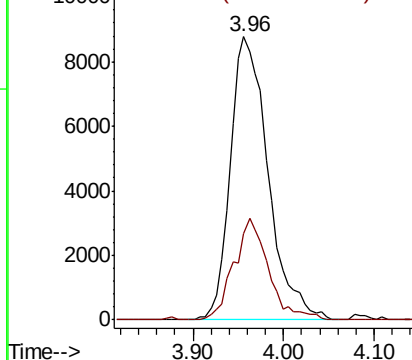


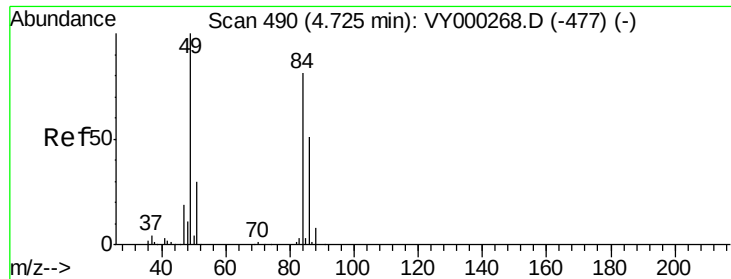
#16
Acetone
Concen: 34.965 ug/l
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VY000399.D
Acq: 23 Oct 2019 22:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.5	25.8	38.6



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

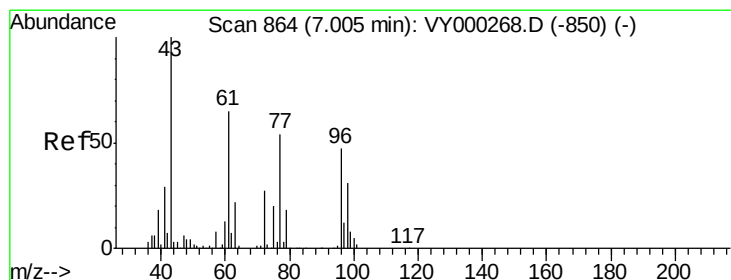
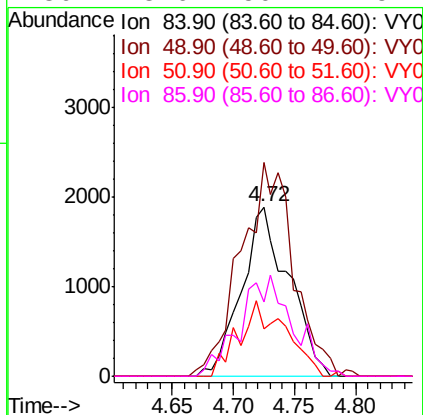
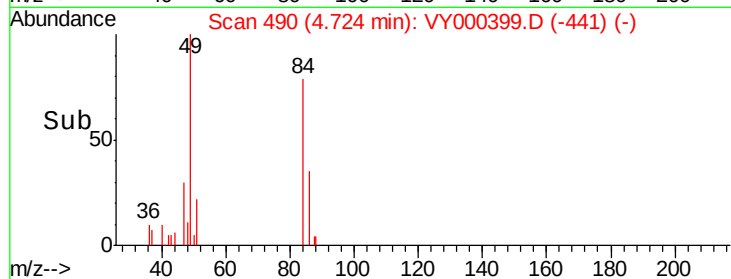
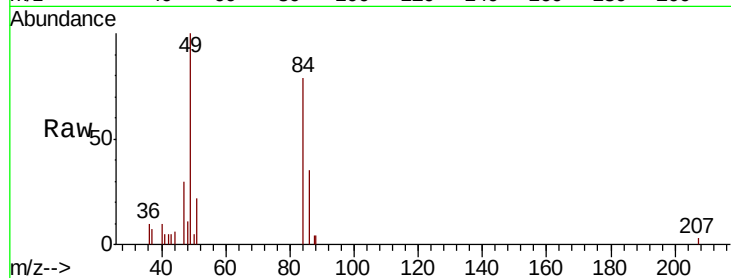




#20
Methylene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000399.D
Acq: 23 Oct 2019 22:10

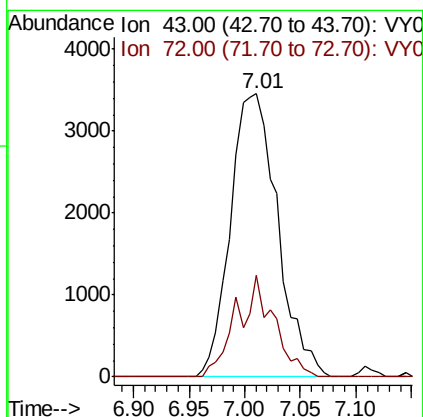
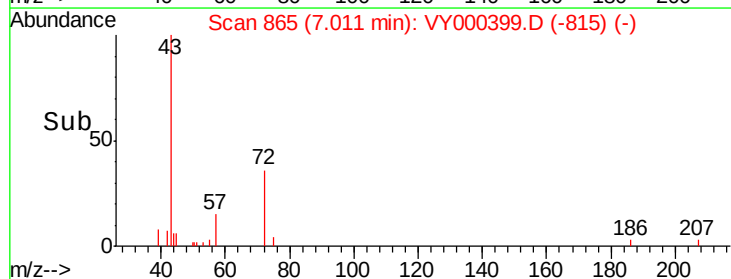
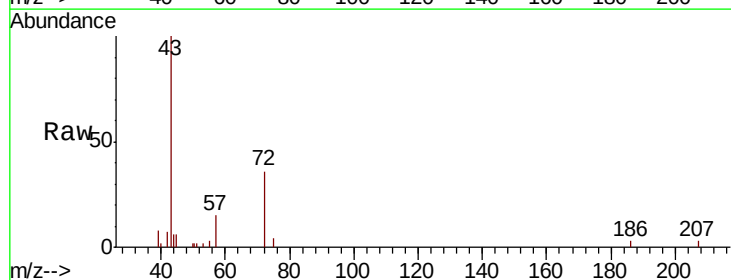
Instrument :
MSVOA_Y
ClientSampleId :

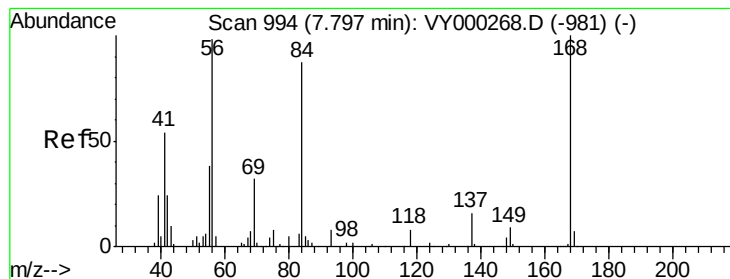
Tot Ion: 84 Resp: 5090
Ion Ratio Lower Upper
84 100
49 126.0 99.0 148.4
51 28.2 29.3 43.9#
86 43.6 50.2 75.4#



#25
2-Butanone
Concen: 9.970 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY000399.D
Acq: 23 Oct 2019 22:10

Tgt Ion: 43 Resp: 10176
Ion Ratio Lower Upper
43 100
72 36.1 21.4 32.2#





#31

Cyclohexane

Concen: 1.079 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

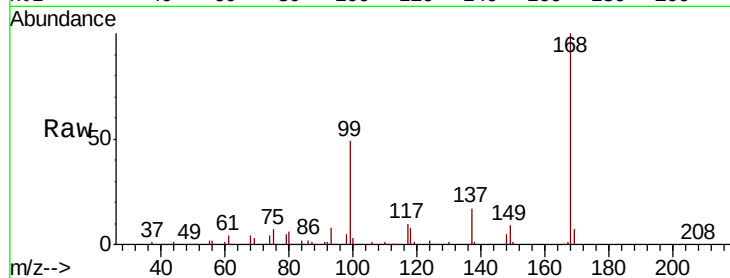
Lab File: VY000399.D

Acq: 23 Oct 2019 22:10

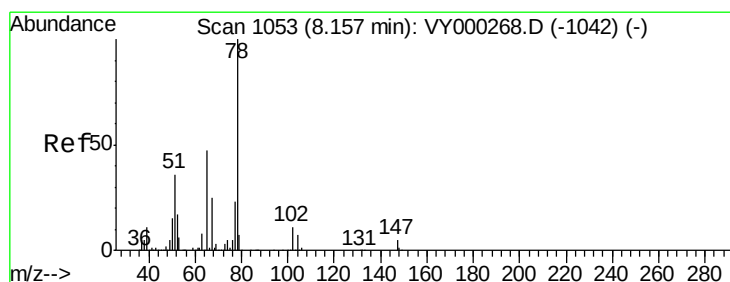
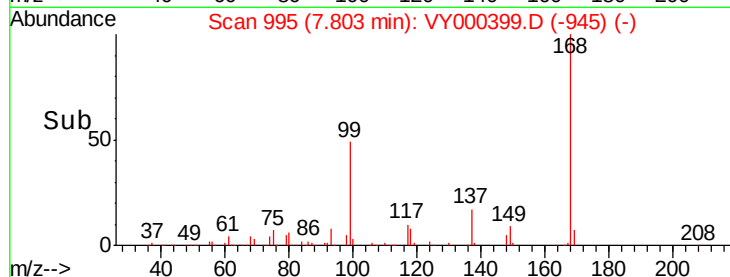
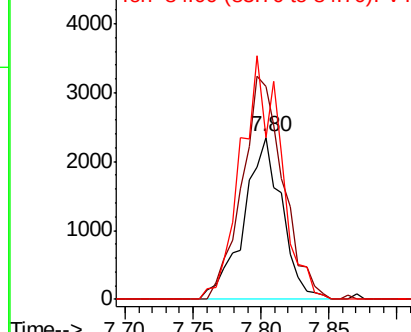
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 4618

Ion	Ratio	Lower	Upper
56	100		
69	131.4	26.3	39.5#
84	100.2	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: 53.698 ug/l

RT: 8.16 min Scan# 1053

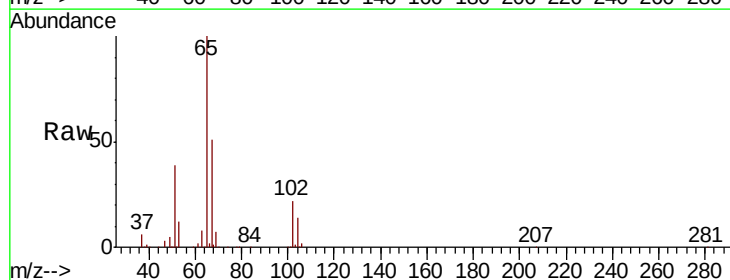
Delta R.T. -0.00 min

Lab File: VY000399.D

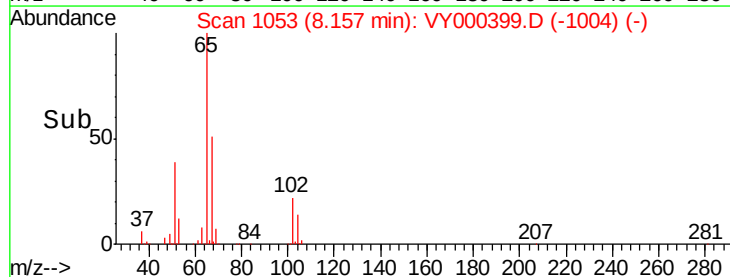
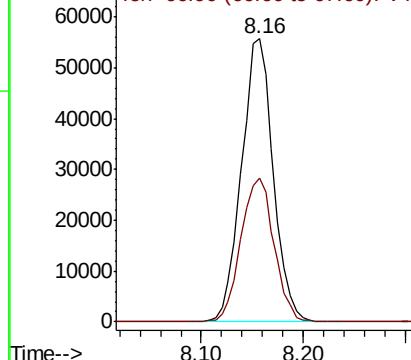
Acq: 23 Oct 2019 22:10

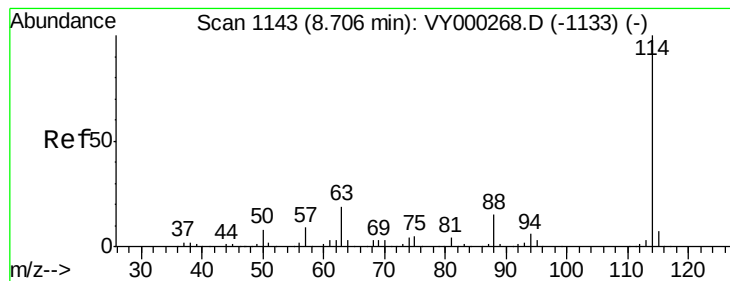
Tgt Ion: 65 Resp: 120137

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: VY000399.D

Acq: 23 Oct 2019 22:10

Instrument :

MSVOA_Y

ClientSampleId :

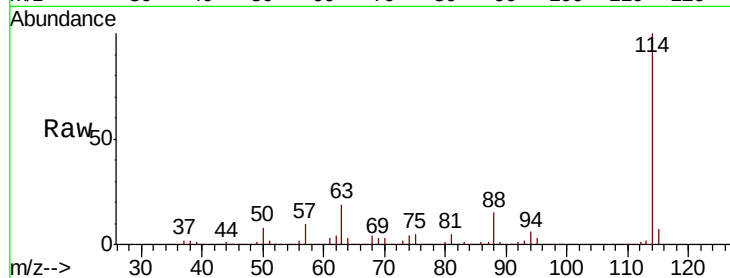
Tot Ion:114 Resp: 360919

Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.2

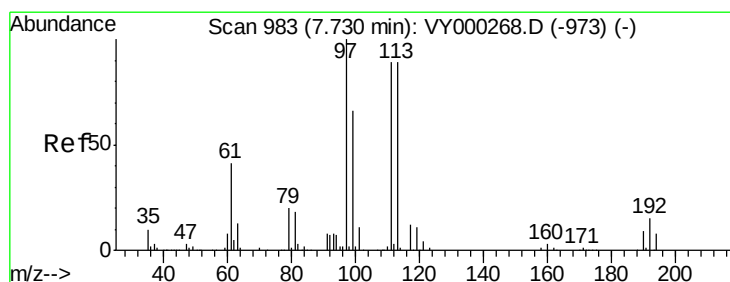
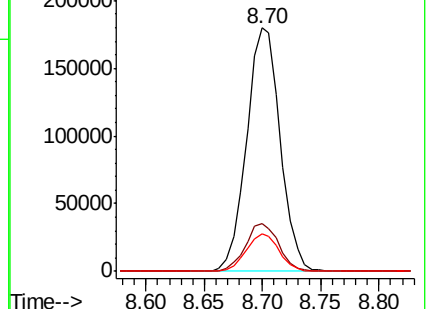
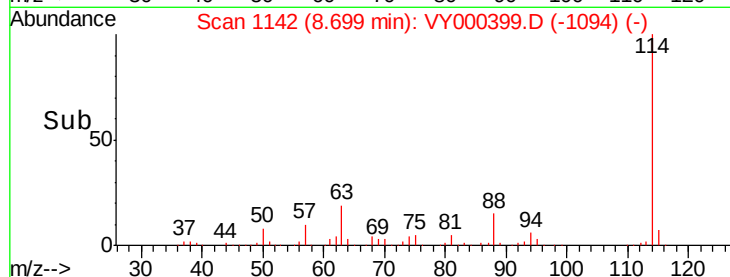
88 15.4 0.0 30.2



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: 47.815 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000399.D

Acq: 23 Oct 2019 22:10

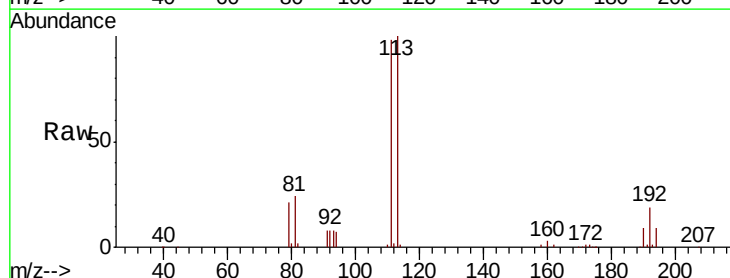
Tgt Ion:113 Resp: 104097

Ion Ratio Lower Upper

113 100

111 102.0 81.6 122.4

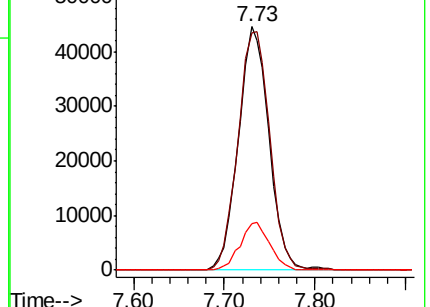
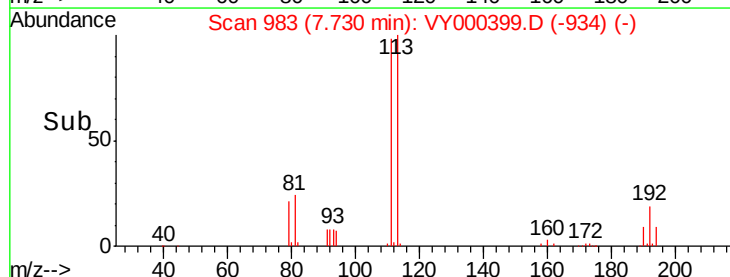
192 18.9 15.3 22.9

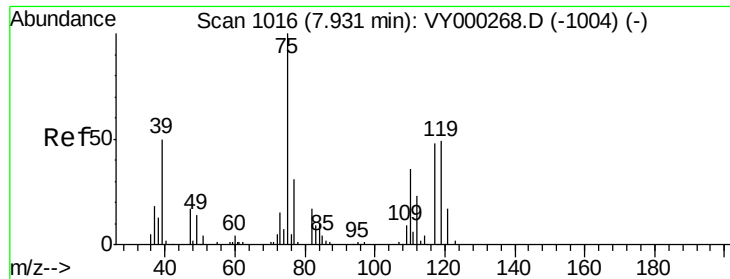


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

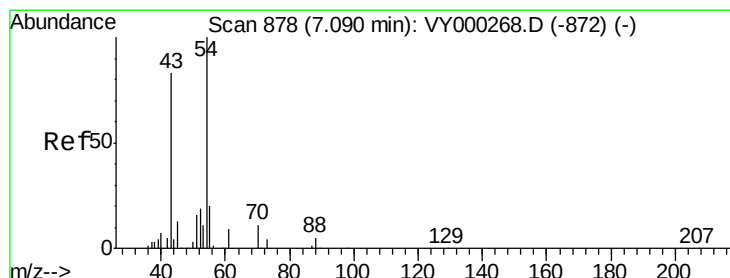
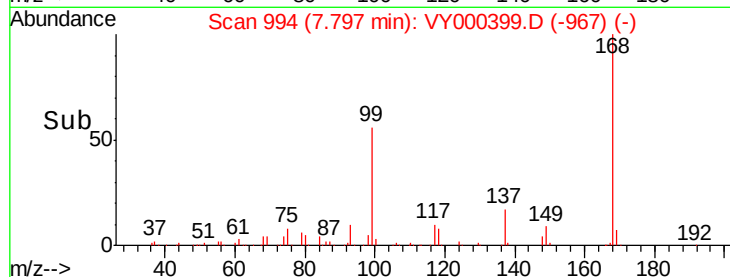
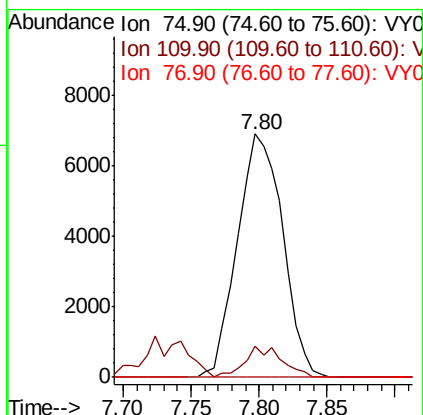
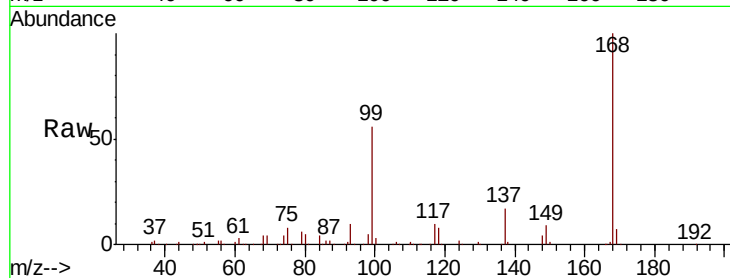




#36
 1,1-Dichloropropene
 Concen: 4.552 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000399.D
 Acq: 23 Oct 2019 22:10

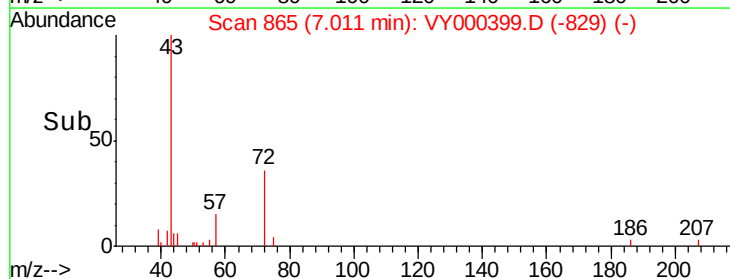
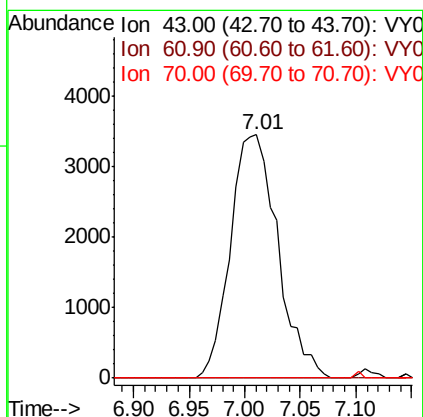
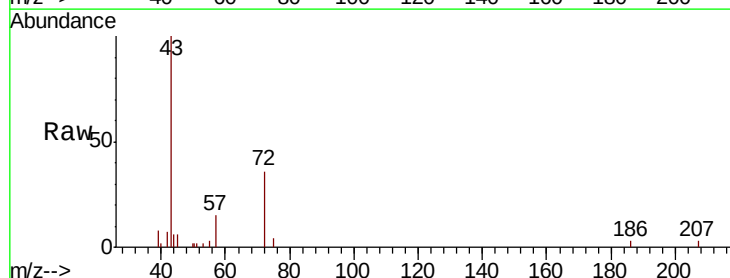
Instrument :
 MSVOA_Y
 ClientSampled :

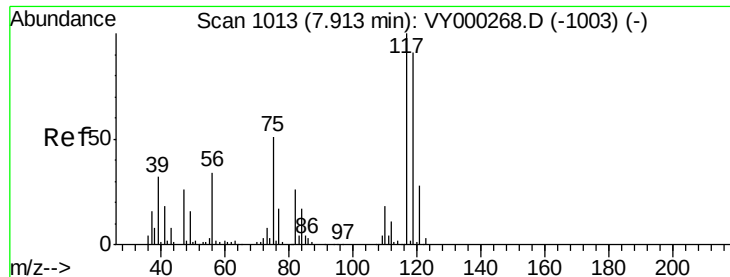
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.4	55.4#
77	0.0	25.0	37.6#



#37
 Ethyl Acetate
 Concen: 4.863 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.08 min
 Lab File: VY000399.D
 Acq: 23 Oct 2019 22:10

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

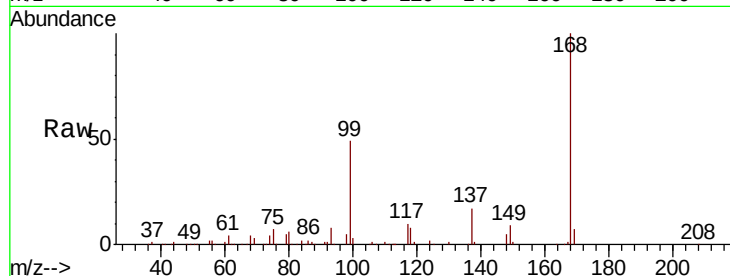




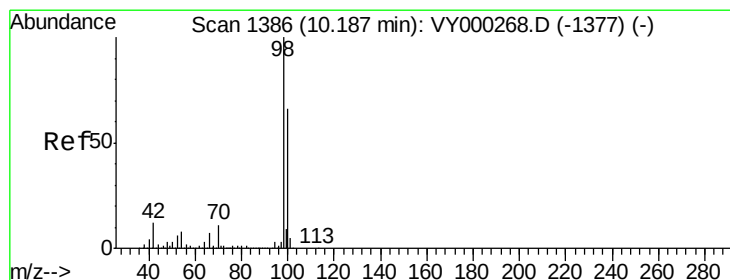
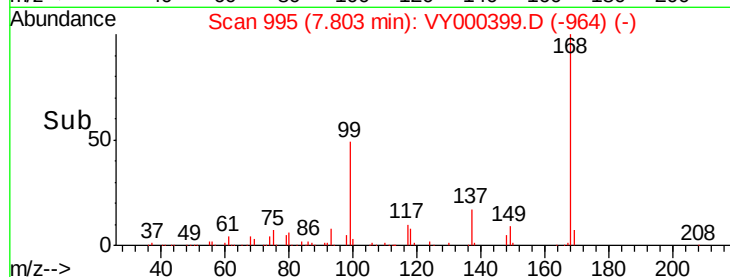
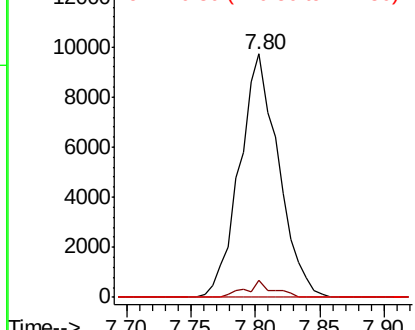
#38
Carbon Tetrachloride
Concen: 5.950 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000399.D
Acq: 23 Oct 2019 22:10

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 20356
Ion Ratio Lower Upper
117 100
119 7.2 72.8 109.2#
121 0.0 22.2 33.2#

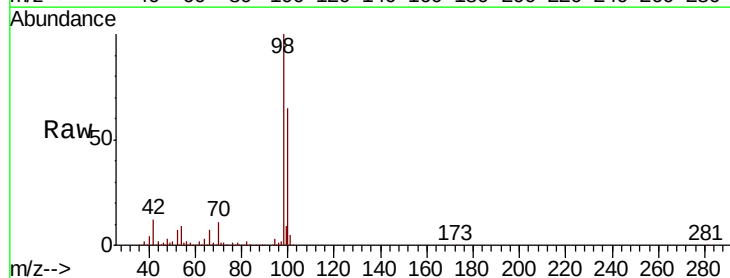


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

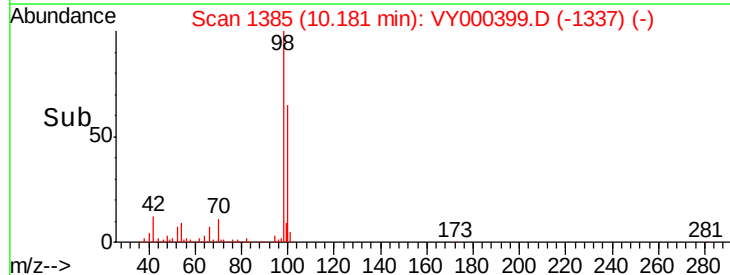
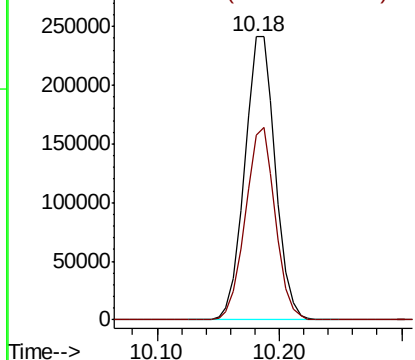


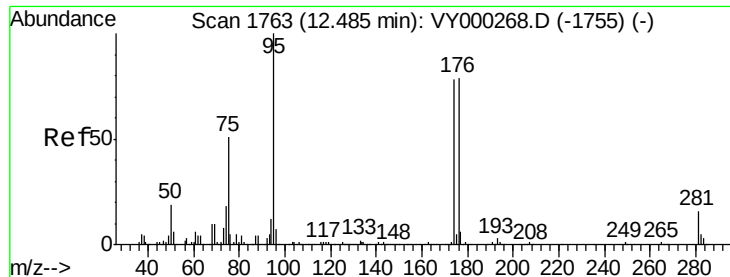
#50
Toluene-d8
Concen: 50.088 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000399.D
Acq: 23 Oct 2019 22:10

Tgt Ion: 98 Resp: 419472
Ion Ratio Lower Upper
98 100
100 66.2 52.8 79.2



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

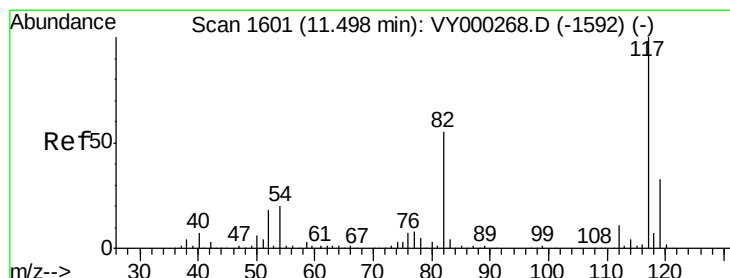
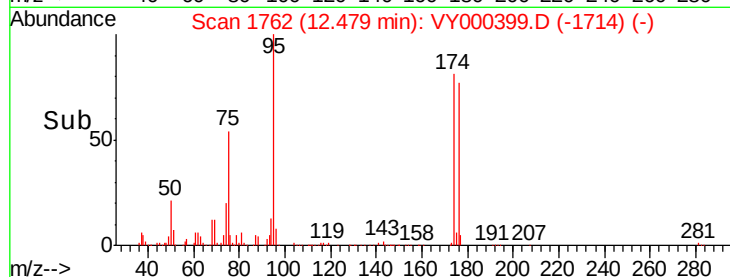
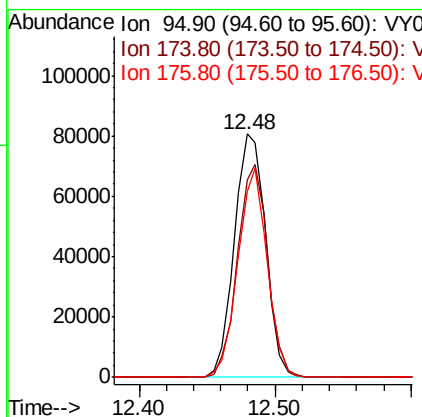
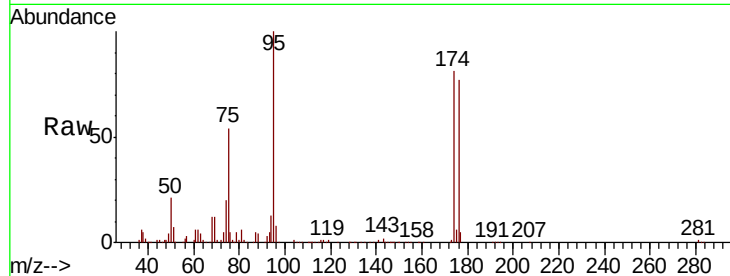




#62
4-Bromofluorobenzene
Concen: 40.505 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000399.D
Acq: 23 Oct 2019 22:10

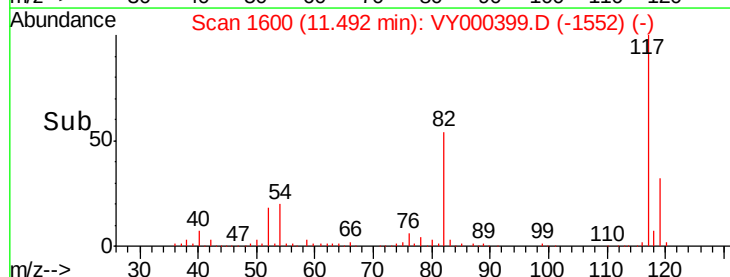
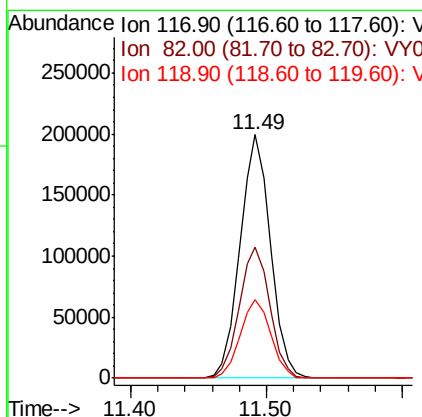
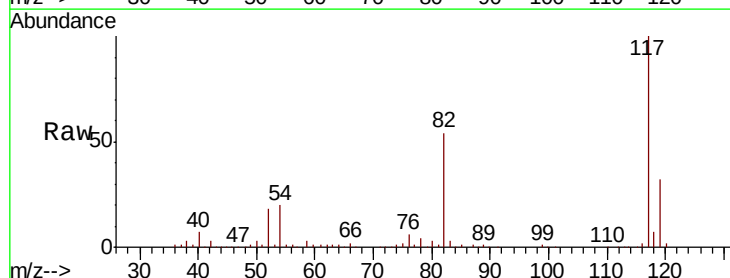
Instrument :
MSVOA_Y
ClientSampleId :

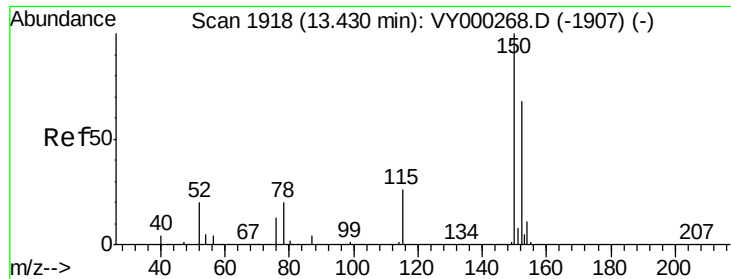
Tot Ion: 95 Resp: 128874
Ion Ratio Lower Upper
95 100
174 84.7 0.0 159.6
176 80.6 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000399.D
Acq: 23 Oct 2019 22:10

Tgt Ion: 117 Resp: 310663
Ion Ratio Lower Upper
117 100
82 54.0 43.7 65.5
119 32.2 26.6 39.8



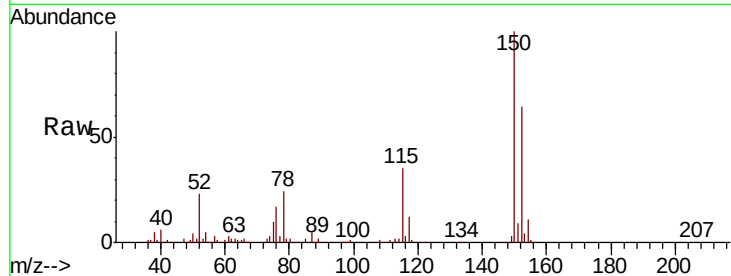


#72

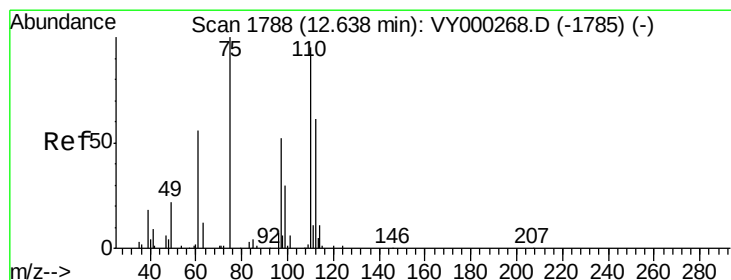
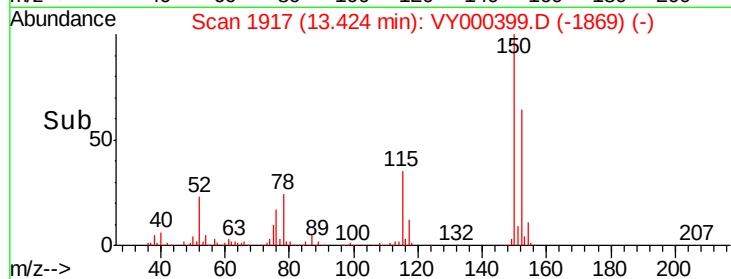
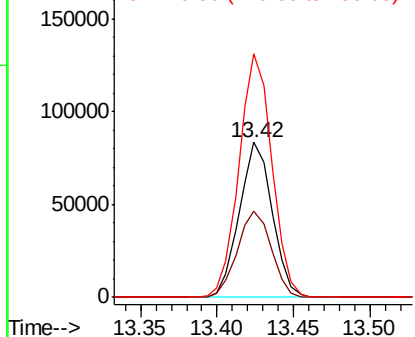
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000399.D
Acq: 23 Oct 2019 22:10

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.8	29.3	88.0
150	156.8	0.0	348.4



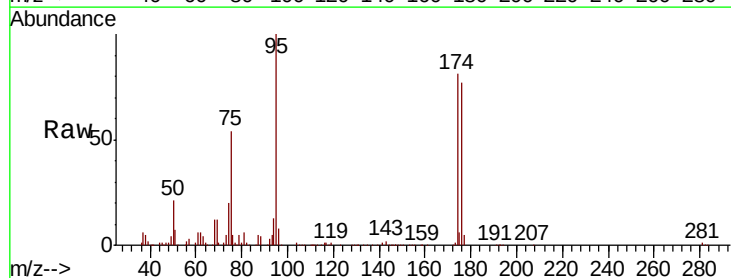
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



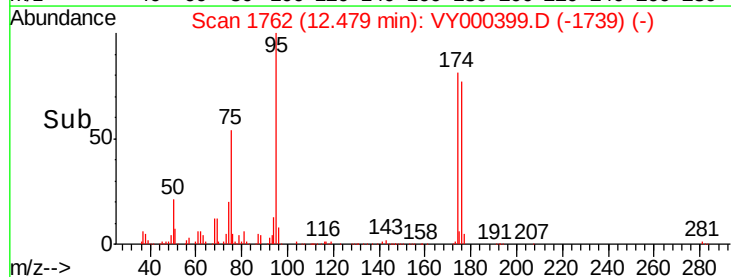
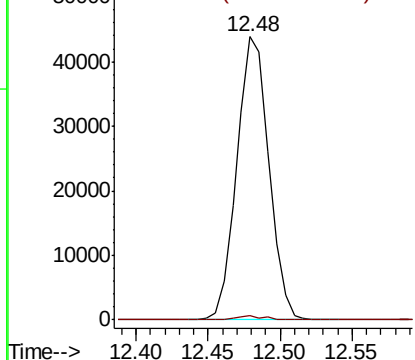
#76

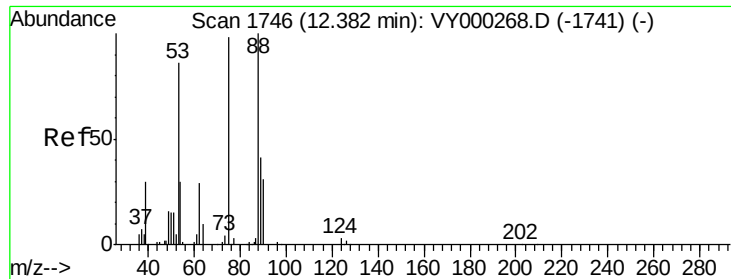
1,2,3-Trichloropropane
Concen: 44.314 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000399.D
Acq: 23 Oct 2019 22:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 96.958 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000399.D

Acq: 23 Oct 2019 22:10

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 67861

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 35.1 52.7#

