

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
 Data File : VY000395.D
 Acq On : 23 Oct 2019 20:37
 Operator : SY/MD
 Sample : K5498-08
 Misc : 6.09G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 24 04:49:03 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	212588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	368311	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	297352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	108549	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	123064	54.88	ug/l	0.00
Spiked Amount			Recovery	=	109.76%	
35) Dibromofluoromethane	7.73	113	105794	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
50) Toluene-d8	10.18	98	413580	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
62) 4-Bromofluorobenzene	12.48	95	116008	35.73	ug/l	0.00
Spiked Amount			Recovery	=	71.46%	

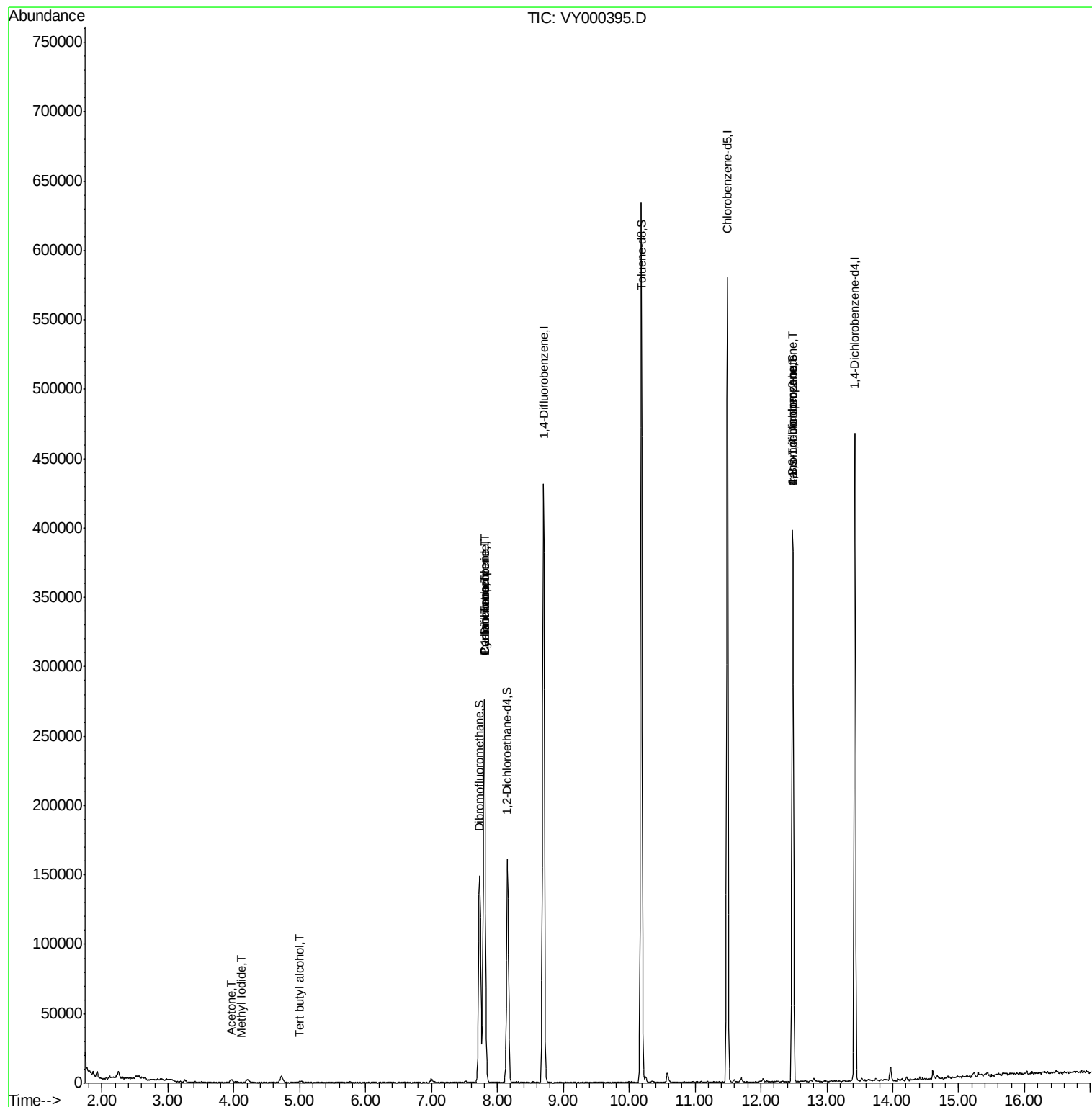
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	19	Below Cal	#	41
10) Methyl Iodide	4.10	142	160	1.236	ug/l #	56
11) Tert butyl alcohol	4.99	59	651	2.774	ug/l #	73
16) Acetone	3.96	43	4058	5.588	ug/l #	80
20) Methylene Chloride	4.72	84	3688	Below Cal	#	71
31) Cyclohexane	7.80	56	4649	1.084	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	16628	4.611	ug/l #	49
38) Carbon Tetrachloride	7.81	117	21145	6.056	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	63482	47.560	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	63482	104.059	ug/l #	14

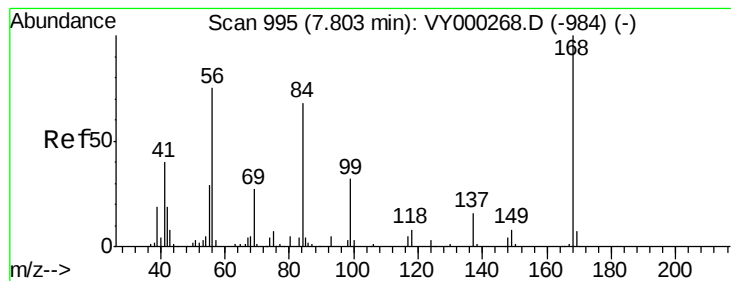
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
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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: VY000395.D

Acq: 23 Oct 2019 20:37

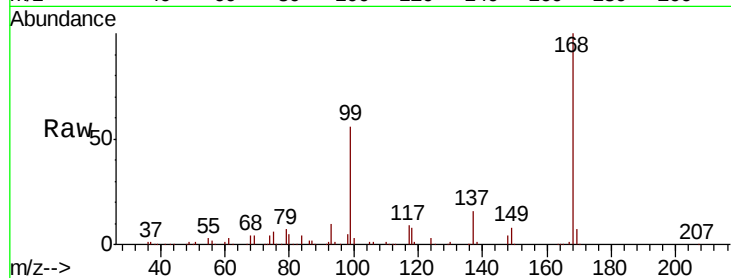
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 212588

Ion Ratio Lower Upper

168 100

99 56.0 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

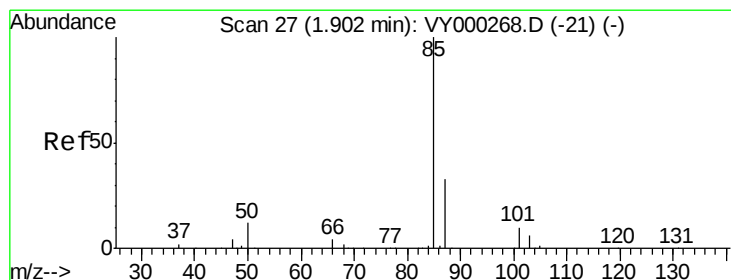
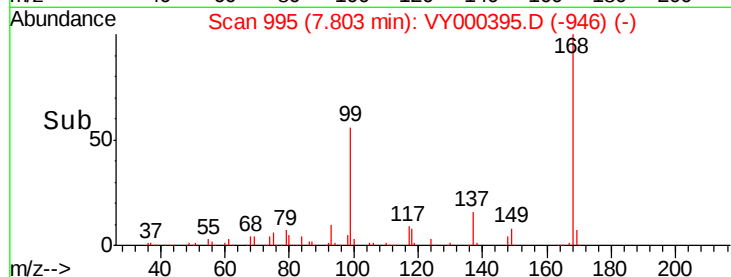
60000

40000

20000

0

Time--> 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY000395.D

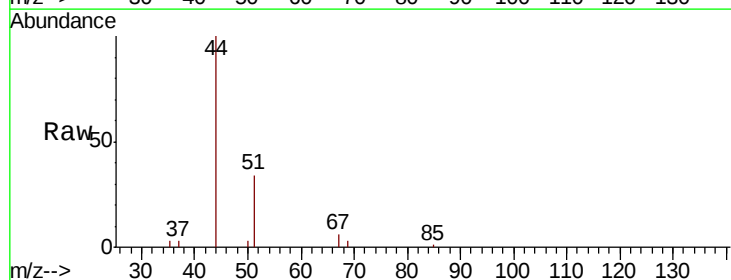
Acq: 23 Oct 2019 20:37

Tgt Ion: 85 Resp: 19

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) (-)

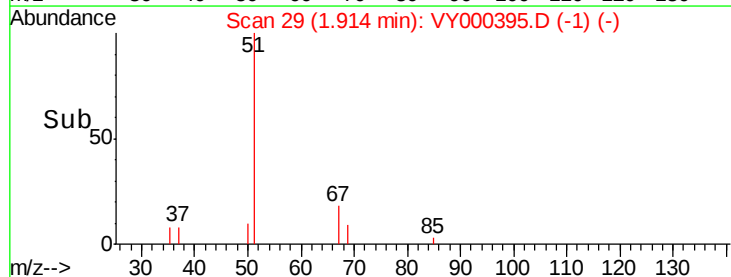
Ion 86.90 (86.60 to 87.60): VY000268.D (-21) (-)

100

50

0

Time--> 1.89 1.90 1.91 1.92 1.93

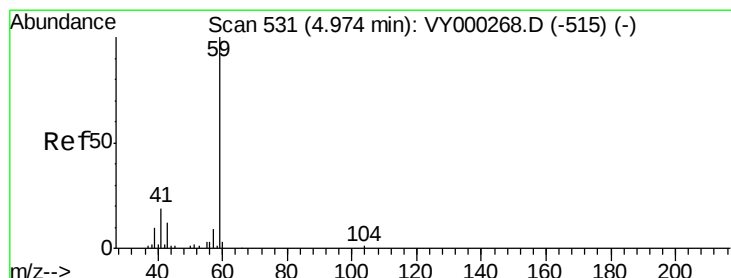
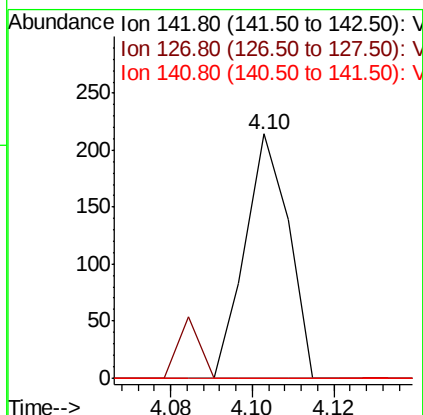
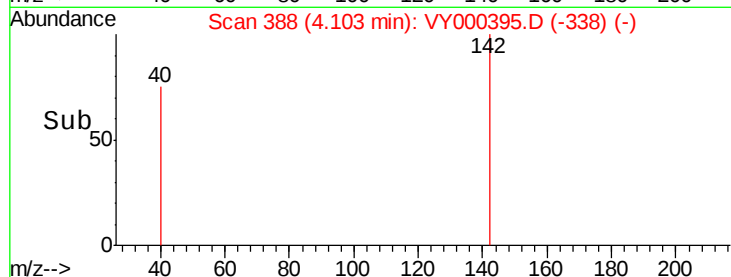
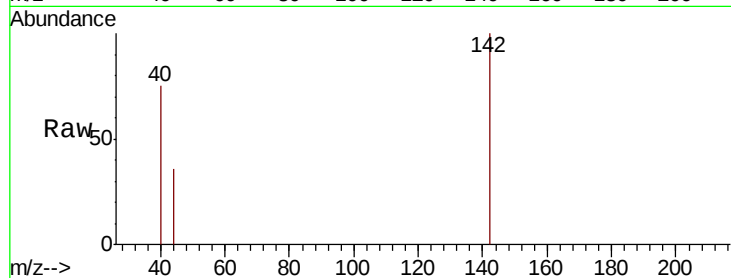




#10
Methvl Iodide
Concen: 1.236 ug/l
RT: 4.10 min Scan# 388
Delta R.T. 0.01 min
Lab File: VY000395.D
Acq: 23 Oct 2019 20:37

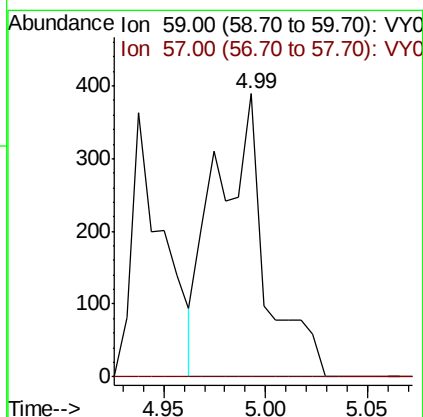
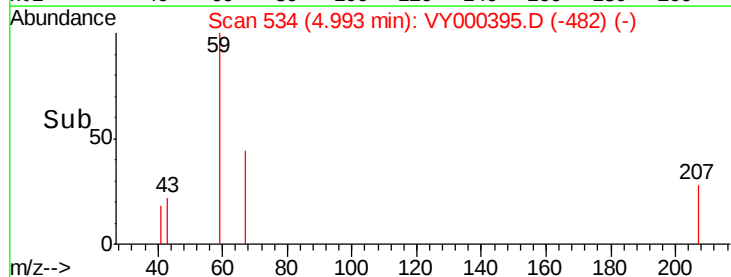
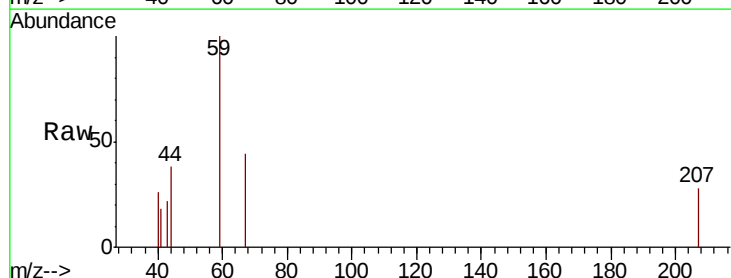
Instrument :
MSVOA_Y
ClientSampled :

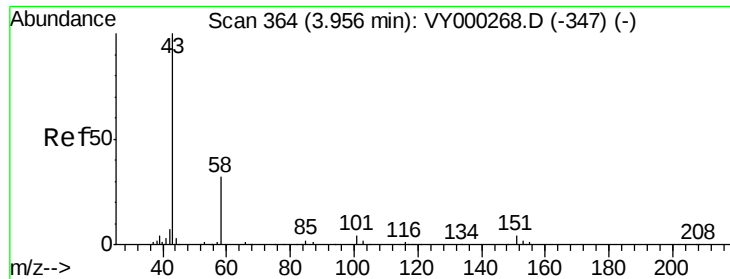
Tot Ion:142 Resp: 160
Ion Ratio Lower Upper
142 100
127 12.5 33.9 50.9#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 2.774 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.02 min
Lab File: VY000395.D
Acq: 23 Oct 2019 20:37

Tgt Ion: 59 Resp: 651
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 5.588 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY000395.D

Acq: 23 Oct 2019 20:37

Instrument :

MSVOA_Y

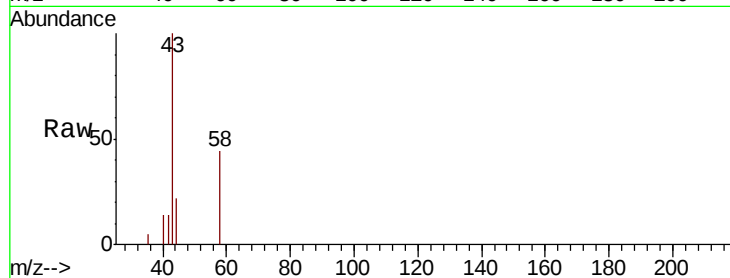
ClientSampled :

Tot Ion: 43 Resp: 4058

Ion Ratio Lower Upper

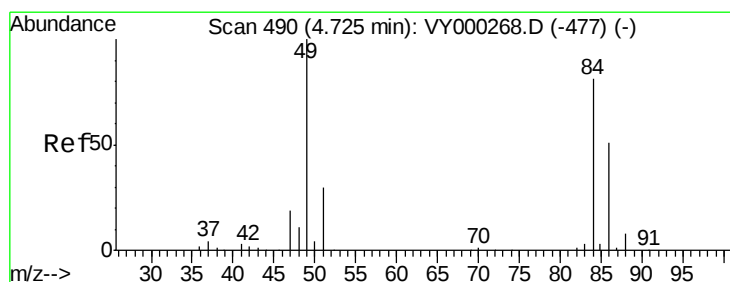
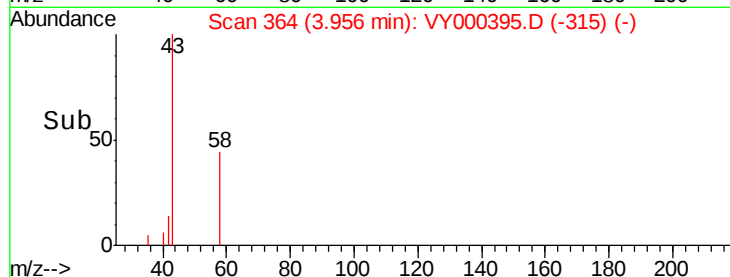
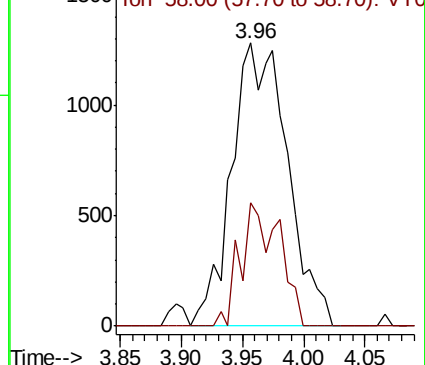
43 100

58 43.6 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: VY000395.D

Acq: 23 Oct 2019 20:37

Tgt Ion: 84 Resp: 3688

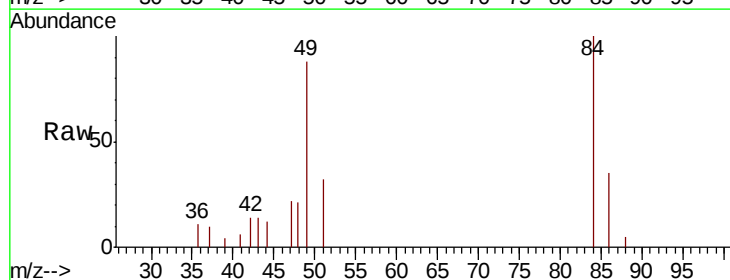
Ion Ratio Lower Upper

84 100

49 88.2 99.0 148.4#

51 32.2 29.3 43.9

86 35.1 50.2 75.4#

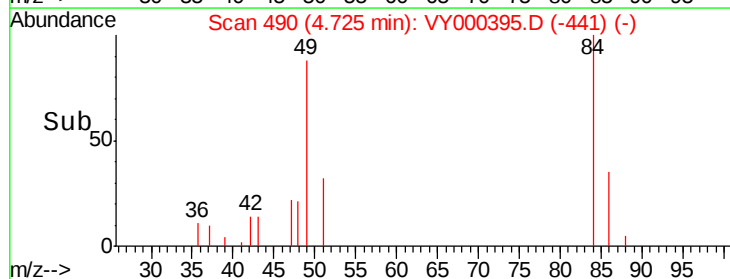
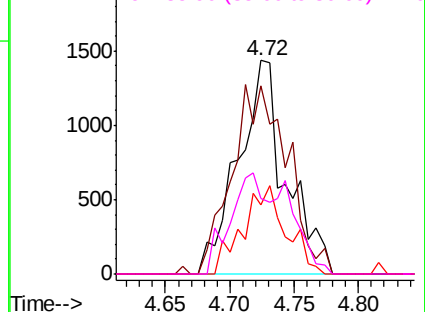


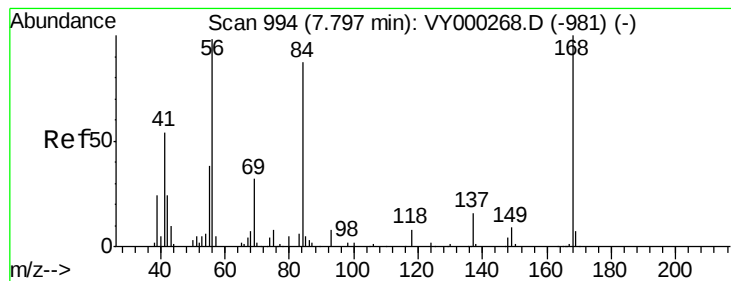
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 1.084 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000395.D

Acq: 23 Oct 2019 20:37

Instrument :

MSVOA_Y

ClientSampled :

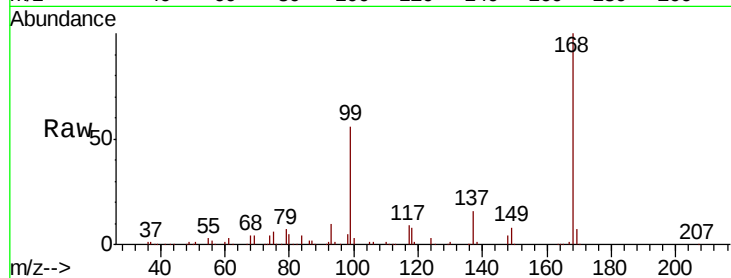
Tot Ion: 56 Resp: 4649

Ion Ratio Lower Upper

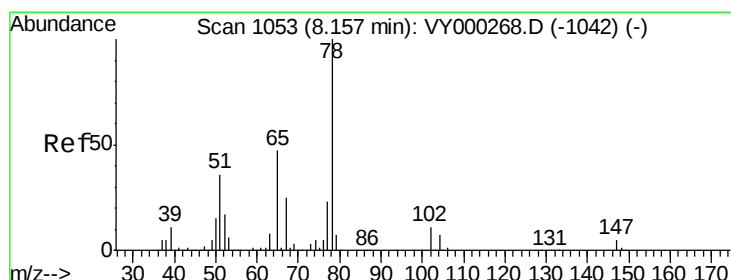
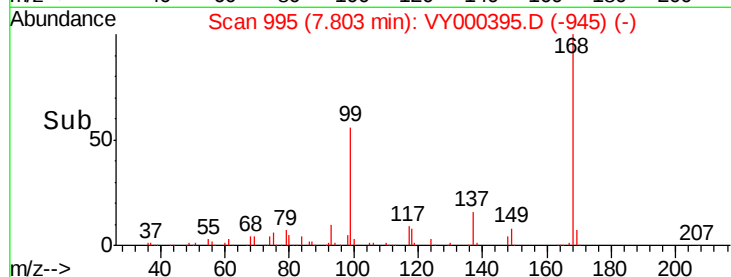
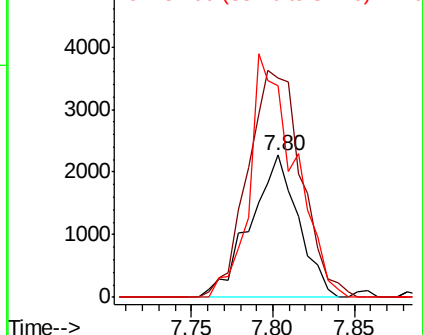
56 100

69 154.2 26.3 39.5#

84 148.8 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: 54.879 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000395.D

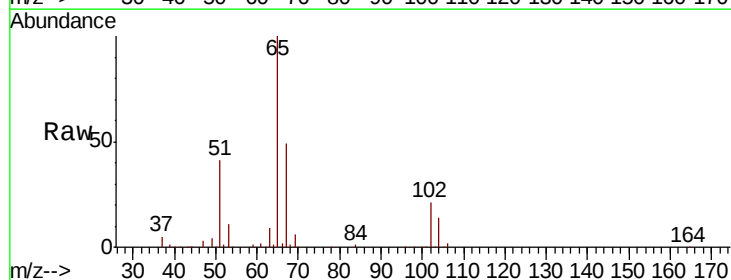
Acq: 23 Oct 2019 20:37

Tgt Ion: 65 Resp: 123064

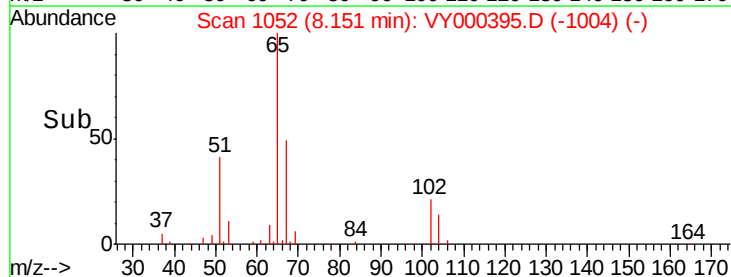
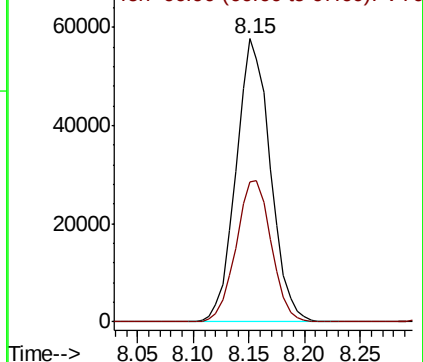
Ion Ratio Lower Upper

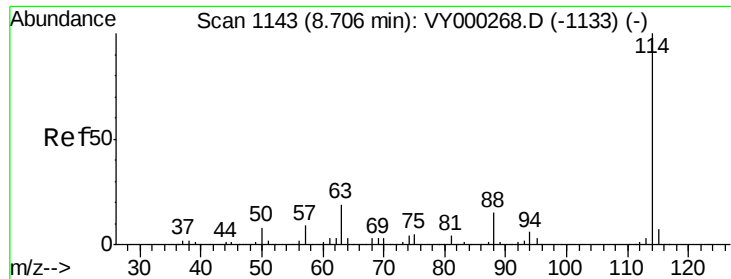
65 100

67 51.5 0.0 109.4



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

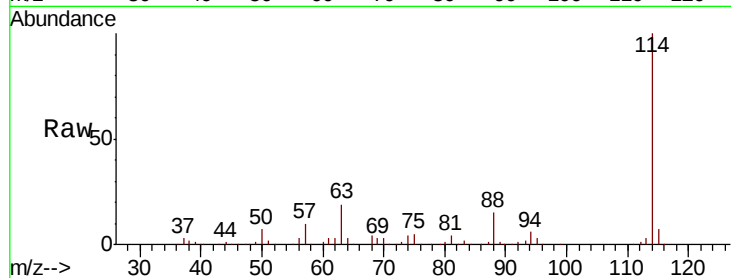




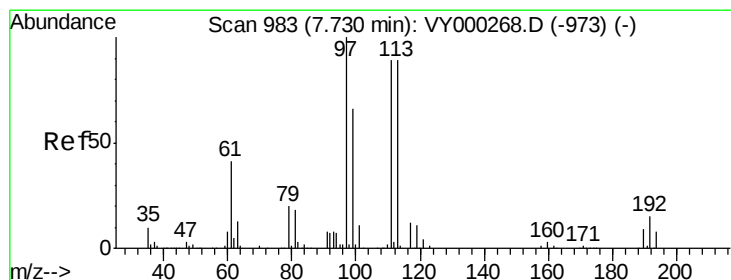
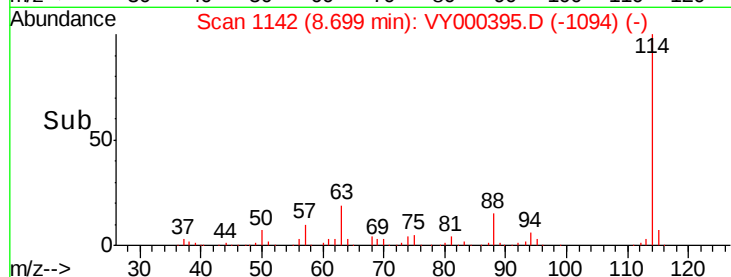
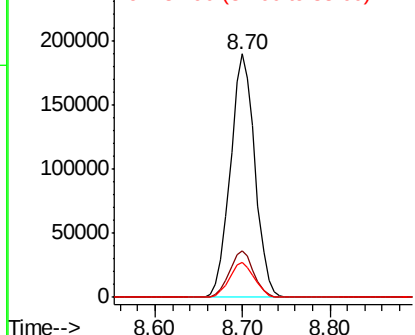
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VY000395.D
Acq: 23 Oct 2019 20:37

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:114 Resp: 368311
Ion Ratio Lower Upper
114 100
63 19.2 0.0 37.2
88 14.5 0.0 30.2

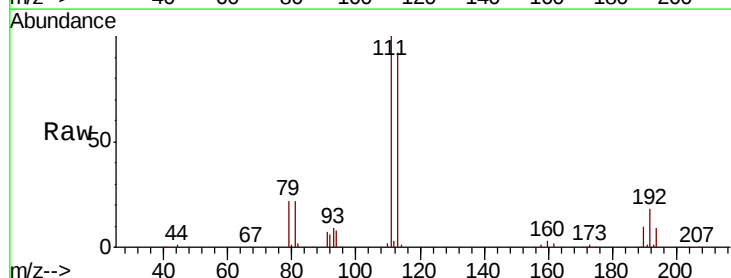


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

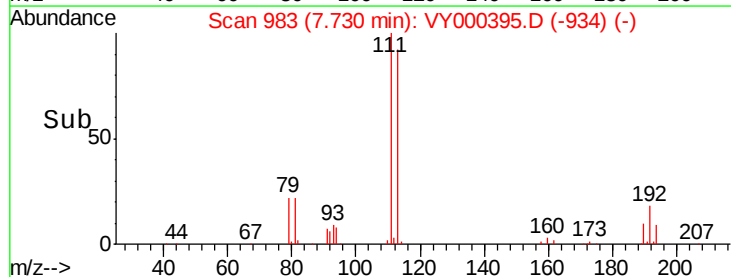
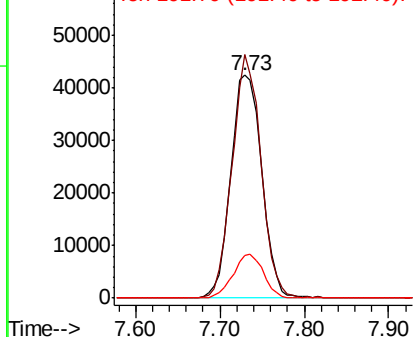


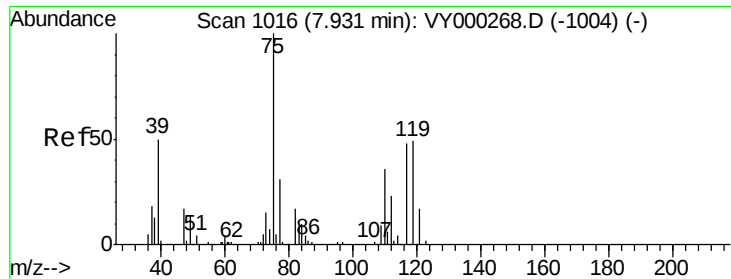
#35
Dibromofluoromethane
Concen: 47.619 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.00 min
Lab File: VY000395.D
Acq: 23 Oct 2019 20:37

Tgt Ion:113 Resp: 105794
Ion Ratio Lower Upper
113 100
111 100.6 81.6 122.4
192 19.1 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

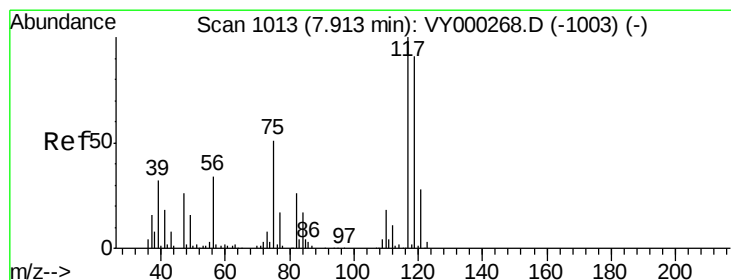
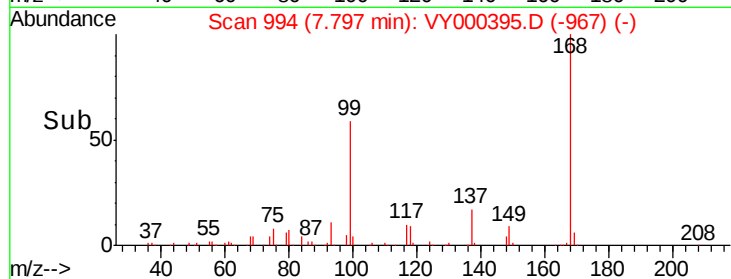
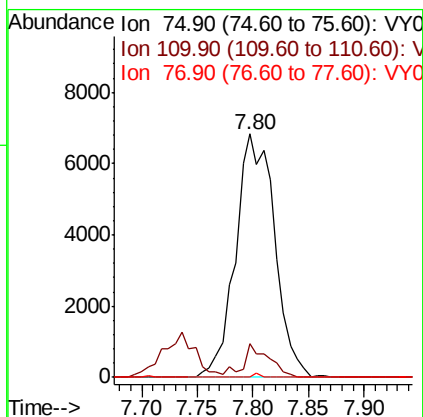
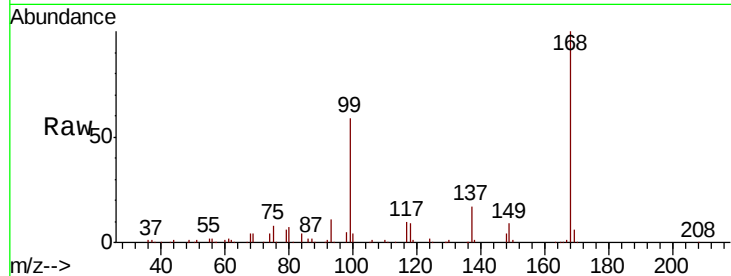




#36
 1,1-Dichloropropene
 Concen: 4.611 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000395.D
 Acq: 23 Oct 2019 20:37

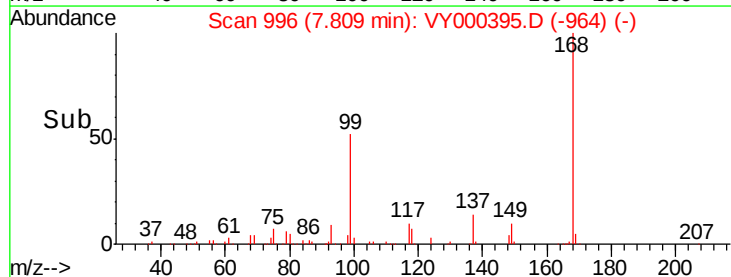
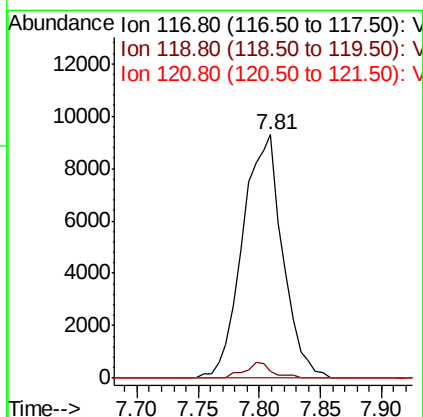
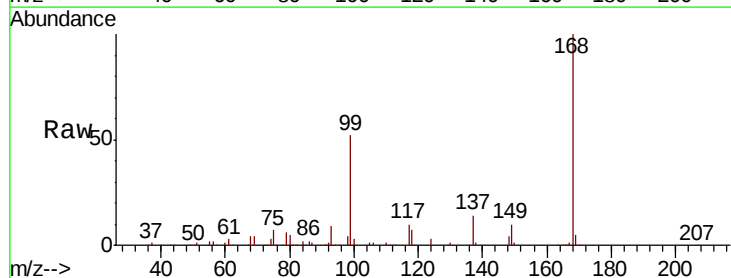
Instrument :
 MSVOA_Y
 ClientSampled :

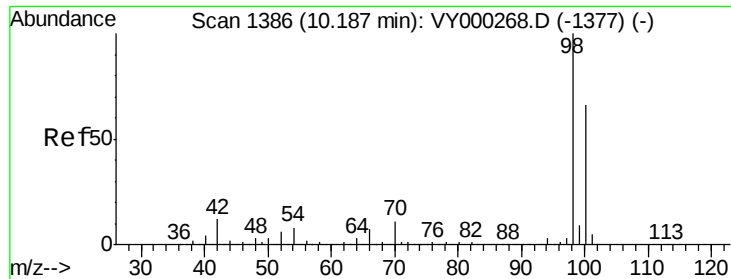
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.4	55.4#
77	0.3	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.056 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.10 min
 Lab File: VY000395.D
 Acq: 23 Oct 2019 20:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.6	72.8	109.2#
121	0.0	22.2	33.2#





#50

Toluene-d8

Concen: 48.393 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000395.D

Acq: 23 Oct 2019 20:37

Instrument :

MSVOA_Y

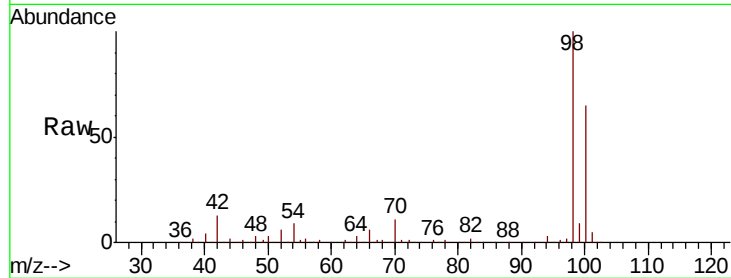
ClientSampled :

Tot Ion: 98 Resp: 413580

Ion Ratio Lower Upper

98 100

100 66.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY000268.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY000268.D (-1377) (-)

10.18

250000

200000

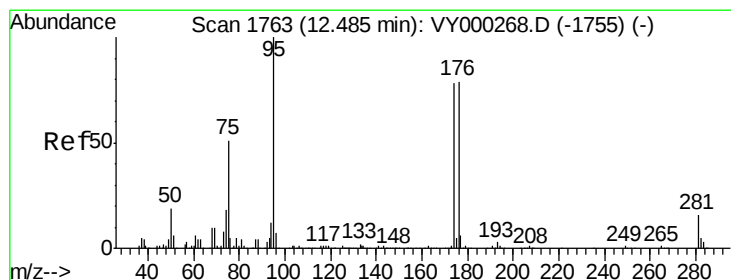
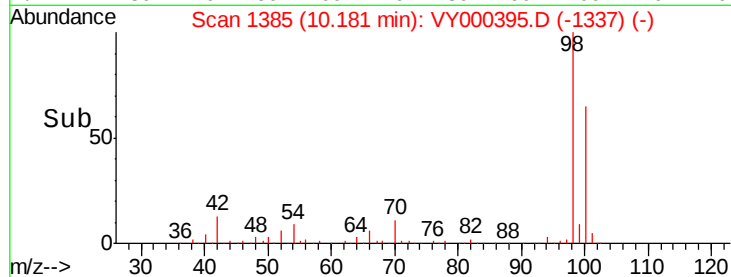
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 35.730 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000395.D

Acq: 23 Oct 2019 20:37

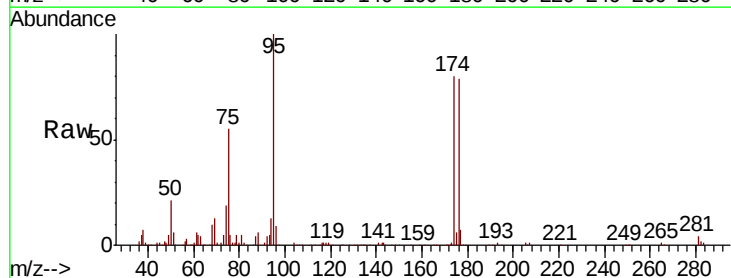
Tgt Ion: 95 Resp: 116008

Ion Ratio Lower Upper

95 100

174 84.4 0.0 159.6

176 84.8 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VY000268.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY000268.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY000268.D (-1755) (-)

12.48

100000

80000

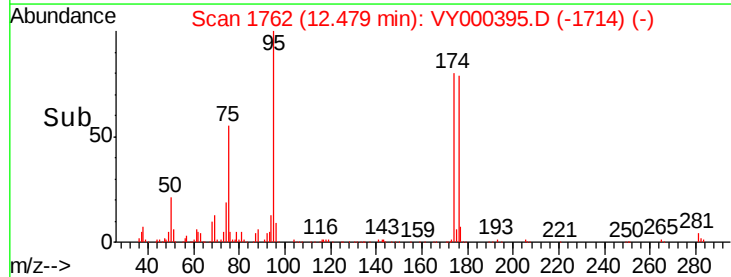
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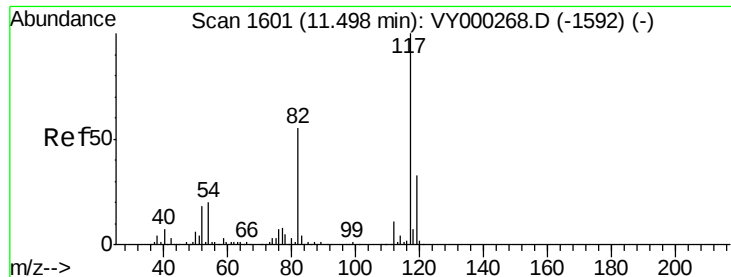
40000

20000

0

Time-->

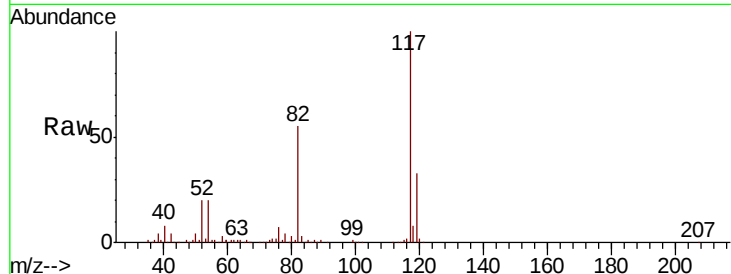




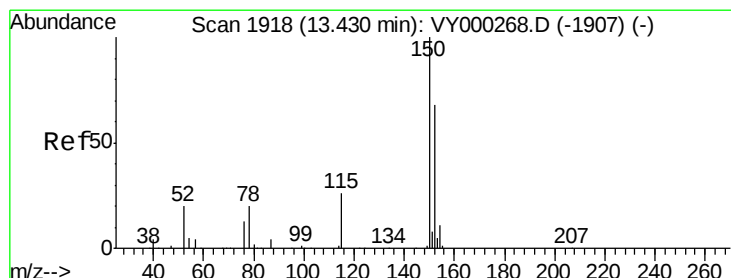
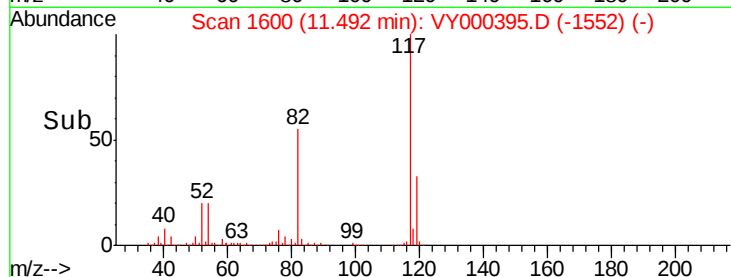
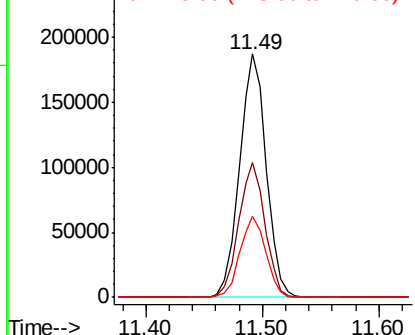
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000395.D
Acq: 23 Oct 2019 20:37

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	43.7	65.5
119	33.3	26.6	39.8

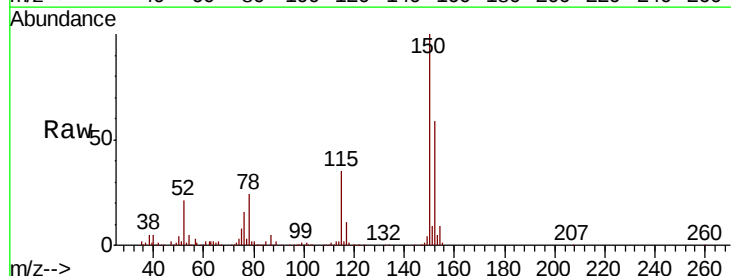


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

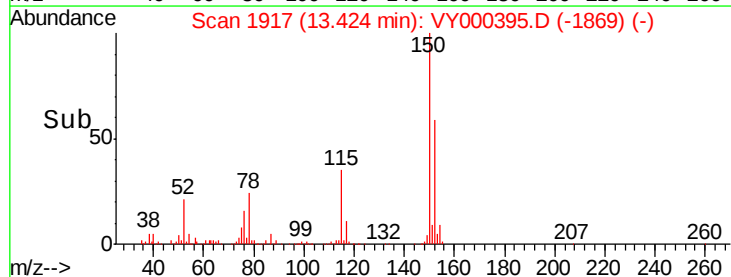
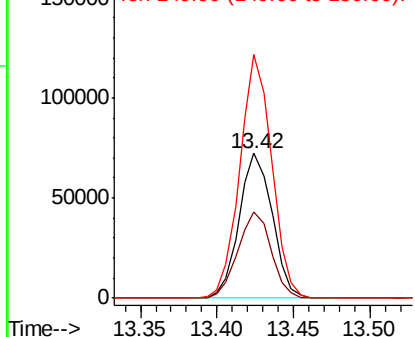


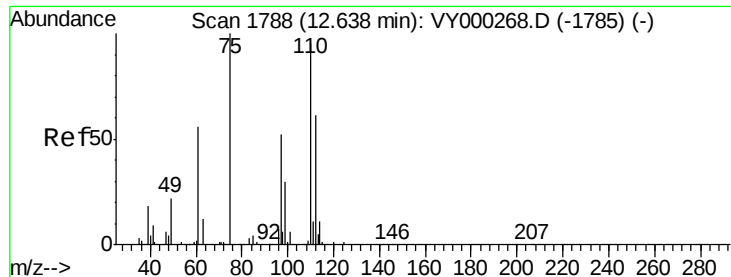
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000395.D
Acq: 23 Oct 2019 20:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	29.3	88.0
150	161.9	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: 47.560 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000395.D

Acq: 23 Oct 2019 20:37

Instrument :

MSVOA_Y

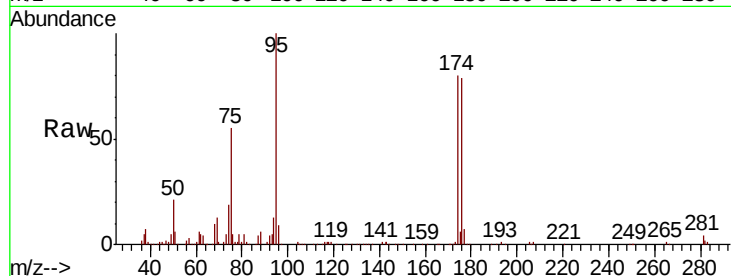
ClientSampleId :

Tot Ion: 75 Resp: 63482

Ion Ratio Lower Upper

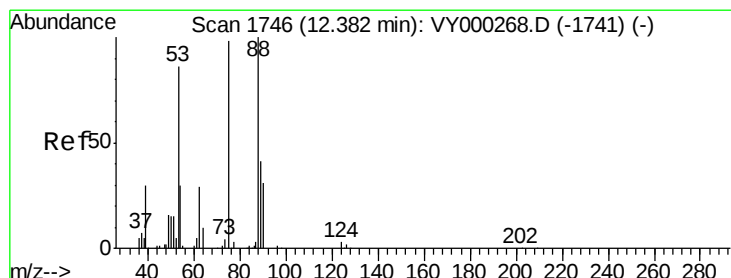
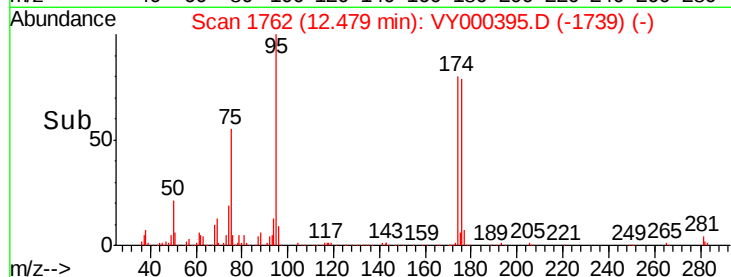
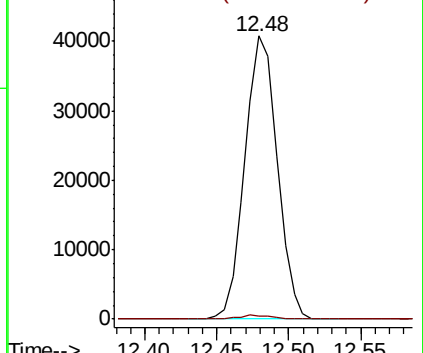
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 104.059 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000395.D

Acq: 23 Oct 2019 20:37

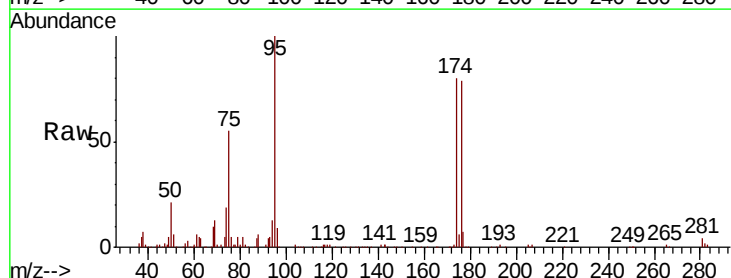
Tgt Ion: 75 Resp: 63482

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 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

