

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
 Data File : VY000394.D
 Acq On : 23 Oct 2019 20:14
 Operator : SY/MD
 Sample : K5498-06
 Misc : 7.75G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 24 04:48:52 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

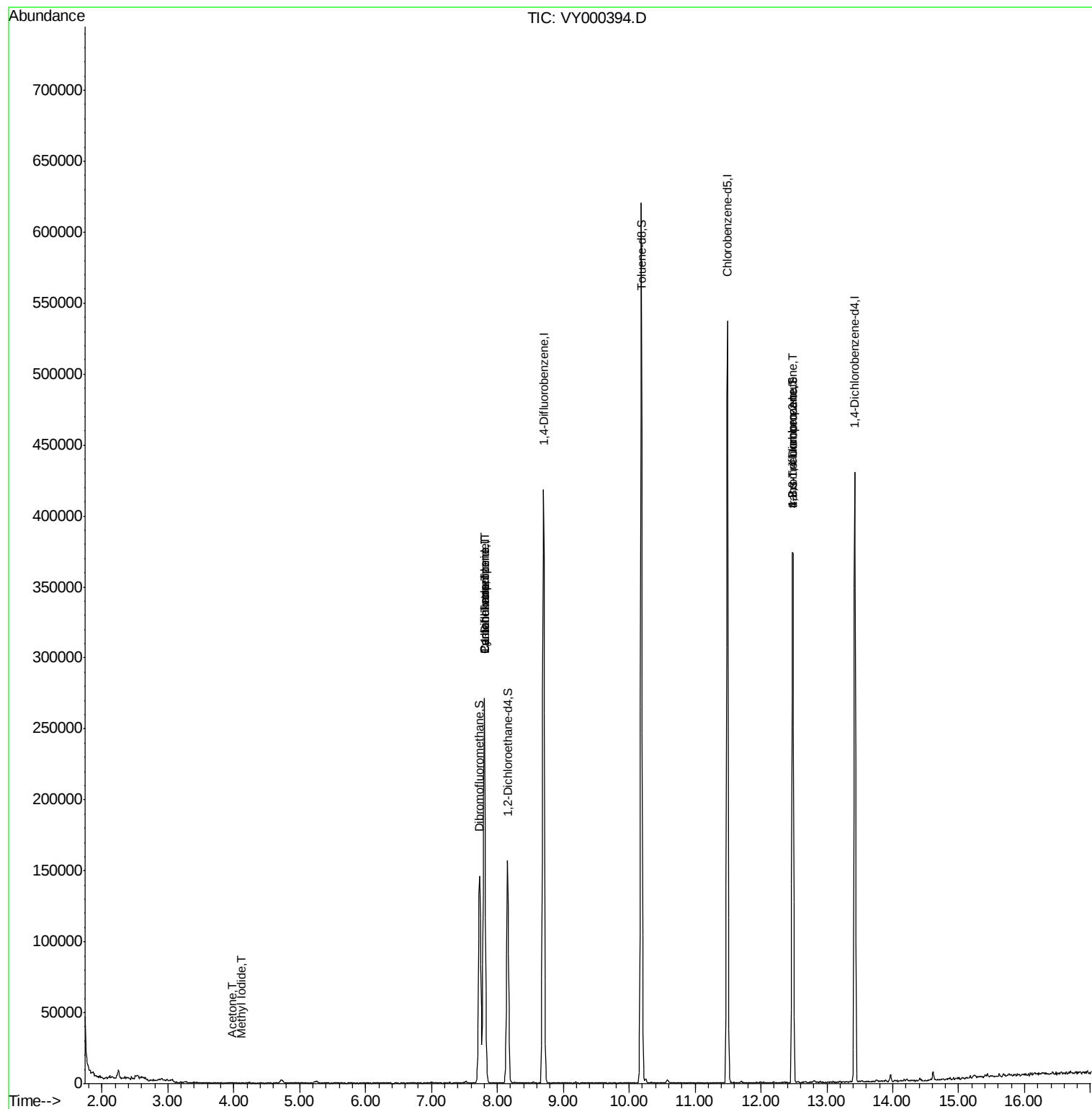
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	211044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	356163	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	289567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	104045	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	119540	53.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.40%	
35) Dibromofluoromethane	7.73	113	104324	48.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.12%	
50) Toluene-d8	10.19	98	407499	49.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.48	95	115606	36.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.64%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	74	Below Cal	#	41
10) Methyl Iodide	4.10	142	74	1.209	ug/l #	41
16) Acetone	3.97	43	1018	1.412	ug/l #	42
20) Methylene Chloride	4.71	84	1377	Below Cal	#	60
31) Cyclohexane	7.80	56	4895	1.149	ug/l #	33
36) 1,1-Dichloropropene	7.80	75	15968	4.579	ug/l #	50
38) Carbon Tetrachloride	7.80	117	20256	5.999	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	63255	49.441	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	63255	108.176	ug/l #	14

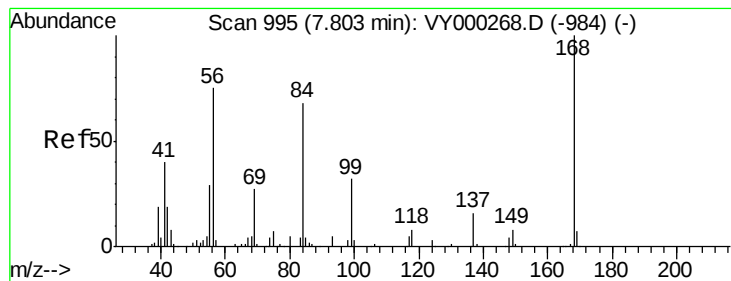
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Oct 24 04:48:52 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: VY000394.D

Acq: 23 Oct 2019 20:14

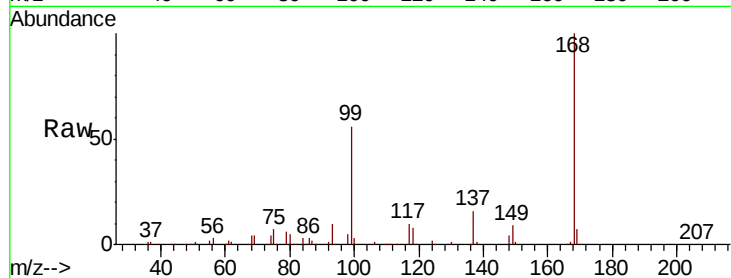
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 211044

Ion Ratio Lower Upper

168 100

99 56.3 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

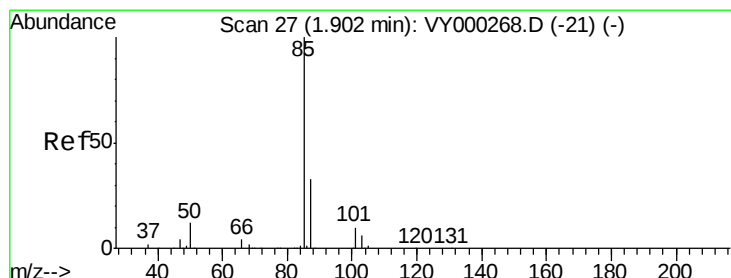
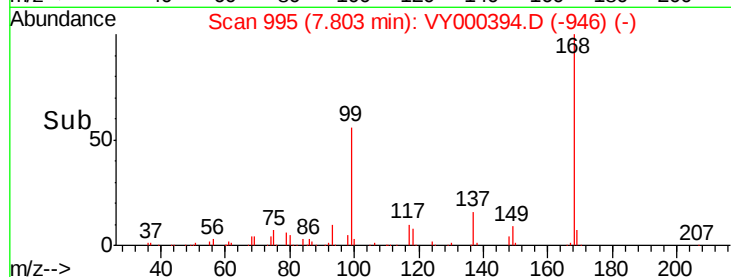
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000394.D

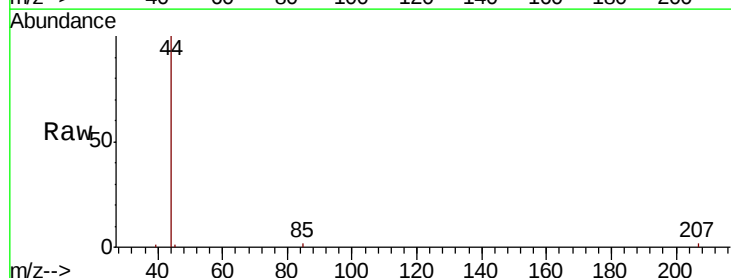
Acq: 23 Oct 2019 20:14

Tgt Ion: 85 Resp: 74

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) (-)

1.91

100

80

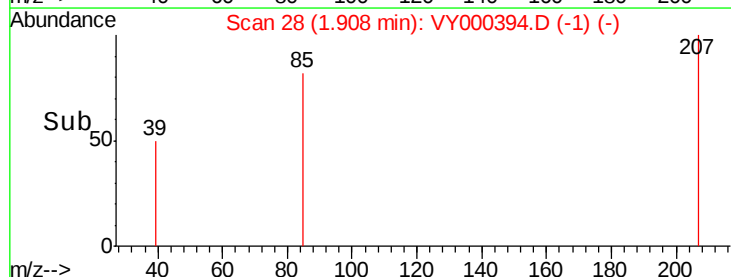
60

40

20

0

Time-->

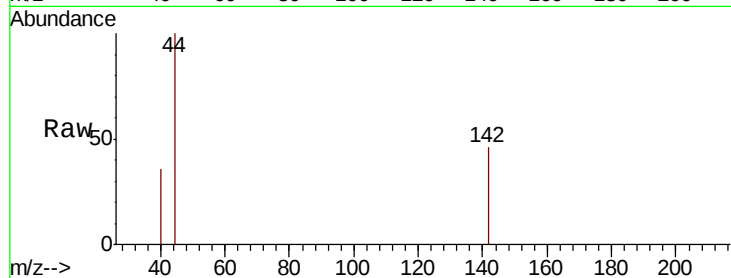




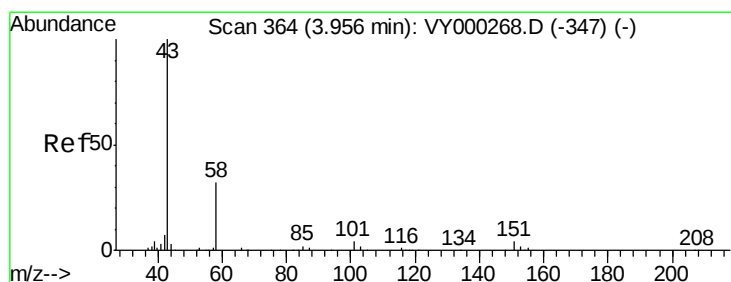
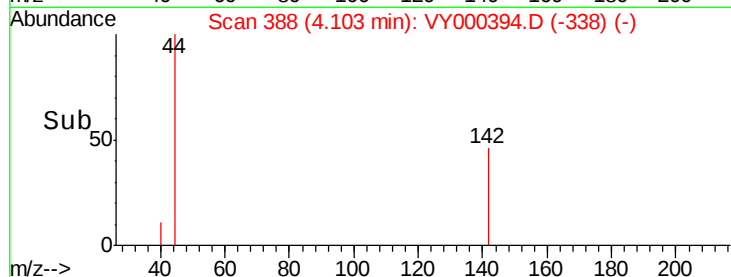
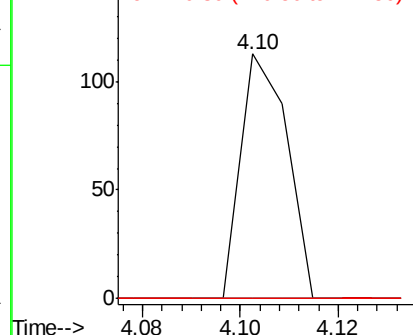
#10
Methvl Iodide
Concen: 1.209 ug/l
RT: 4.10 min Scan# 388
Delta R.T. 0.01 min
Lab File: VY000394.D
Acq: 23 Oct 2019 20:14

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:142 Resp: 74
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.2 16.8#

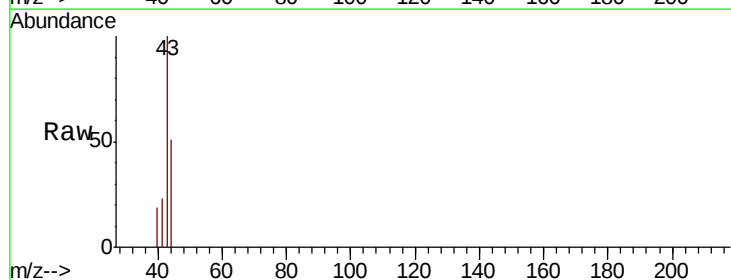


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

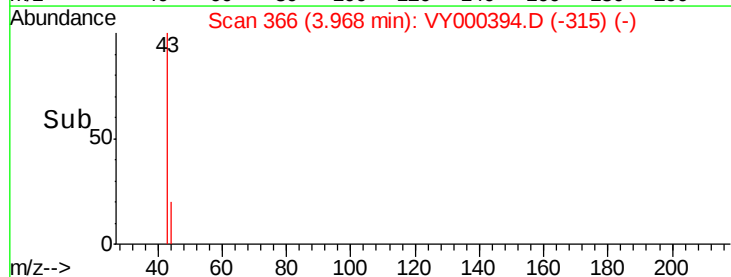
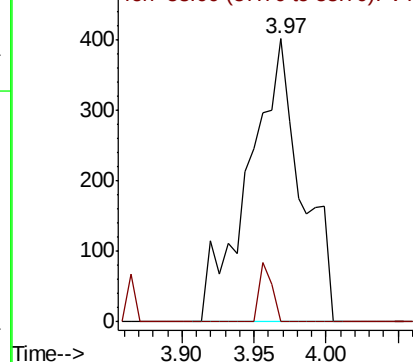


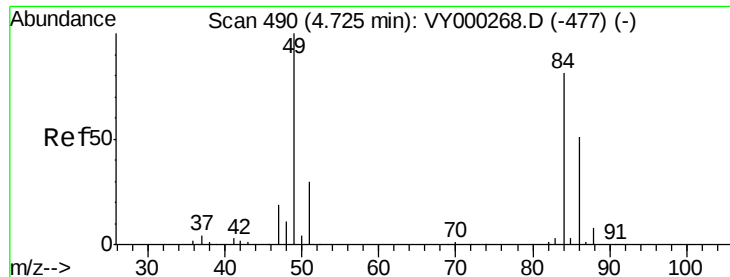
#16
Acetone
Concen: 1.412 ug/l
RT: 3.97 min Scan# 366
Delta R.T. 0.01 min
Lab File: VY000394.D
Acq: 23 Oct 2019 20:14

Tgt Ion: 43 Resp: 1018
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

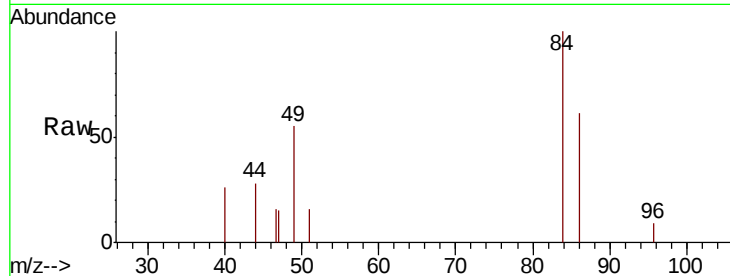




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.71 min Scan# 488
Delta R.T. -0.01 min
Lab File: VY000394.D
Acq: 23 Oct 2019 20:14

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	84	Resp:	1377
Ion	Ratio	Lower	Upper
84	100		
49	55.3	99.0	148.4#
51	15.7	29.3	43.9#
86	60.6	50.2	75.4



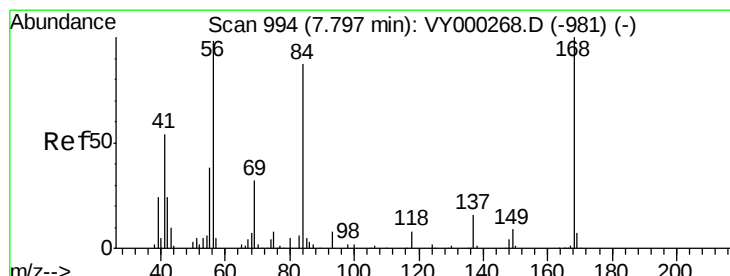
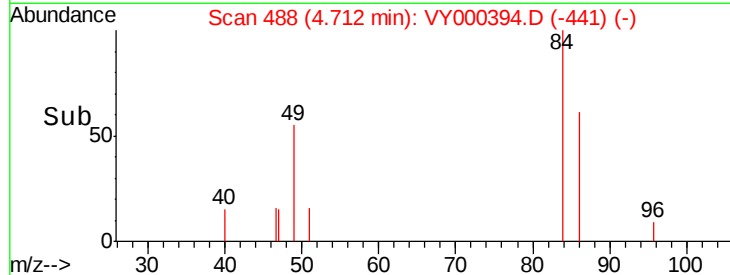
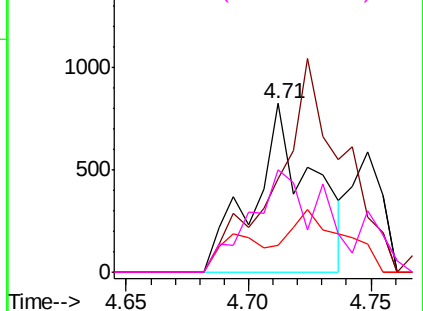
Abundance

Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

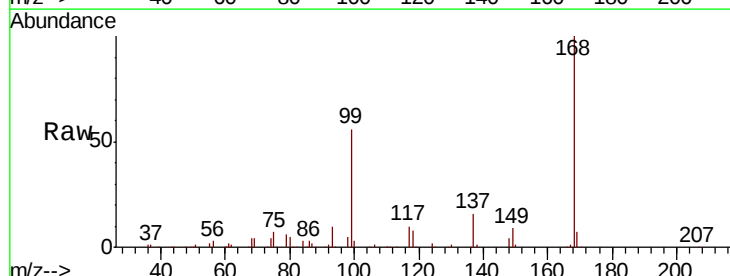
Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#31
Cyclohexane
Concen: 1.149 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000394.D
Acq: 23 Oct 2019 20:14

Tgt Ion:	56	Resp:	4895
Ion	Ratio	Lower	Upper
56	100		
69	148.5	26.3	39.5#
84	102.8	70.8	106.2

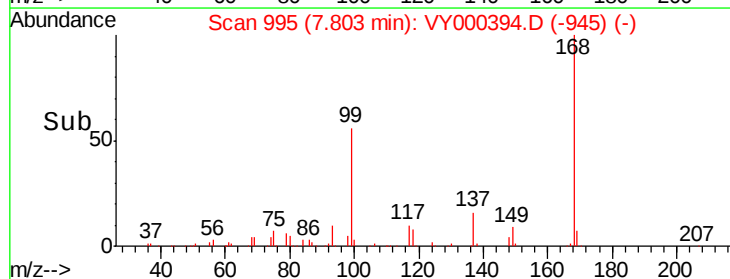
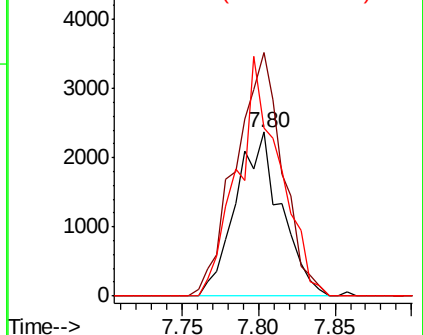


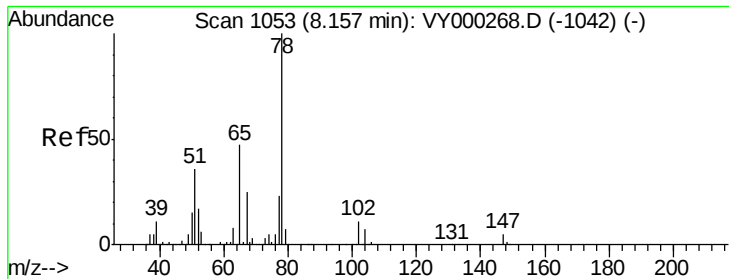
Abundance

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: 53.697 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000394.D

Acq: 23 Oct 2019 20:14

Instrument :

MSVOA_Y

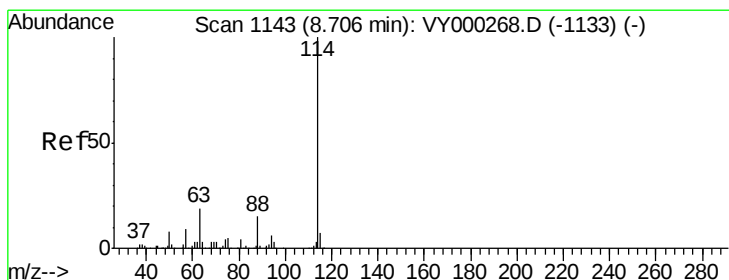
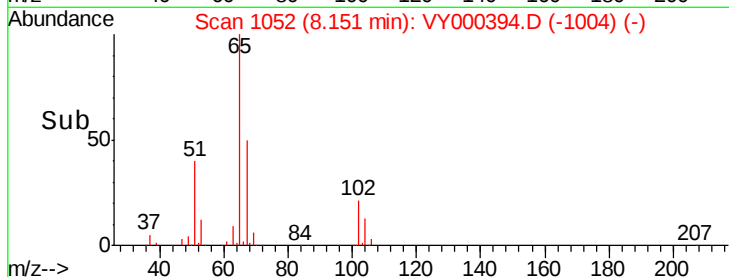
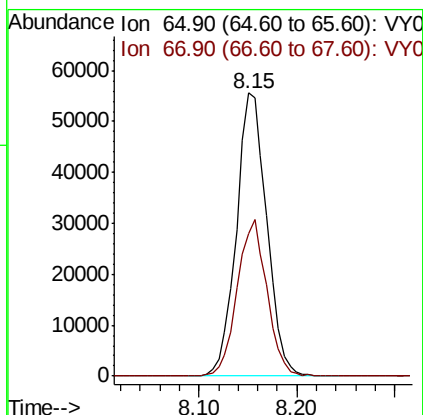
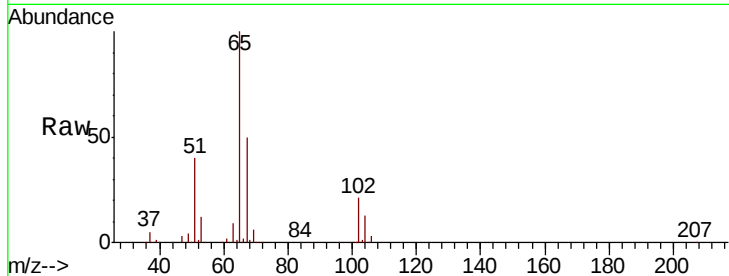
ClientSampled :

Tot Ion: 65 Resp: 119540

Ion Ratio Lower Upper

65 100

67 54.0 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000394.D

Acq: 23 Oct 2019 20:14

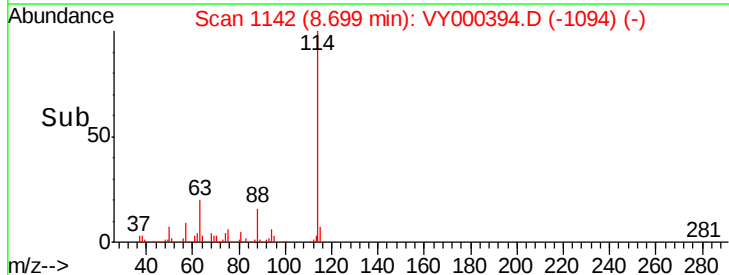
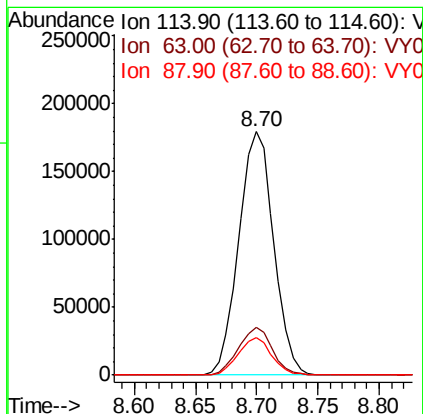
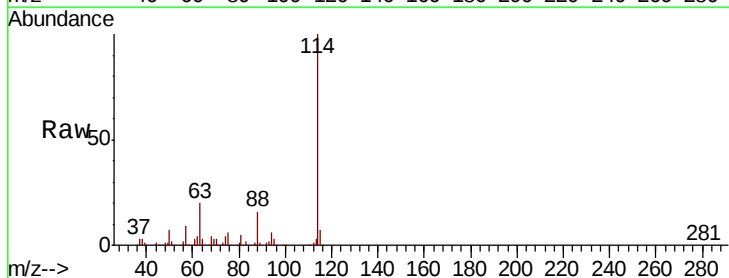
Tgt Ion: 114 Resp: 356163

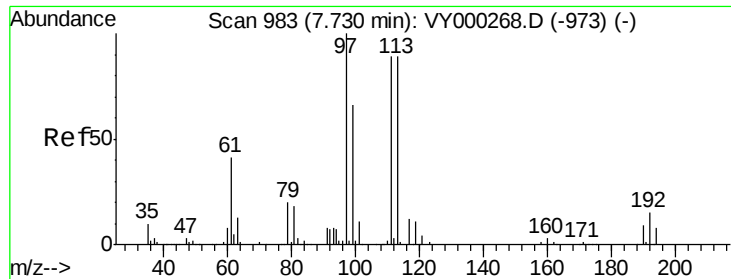
Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.2

88 15.7 0.0 30.2

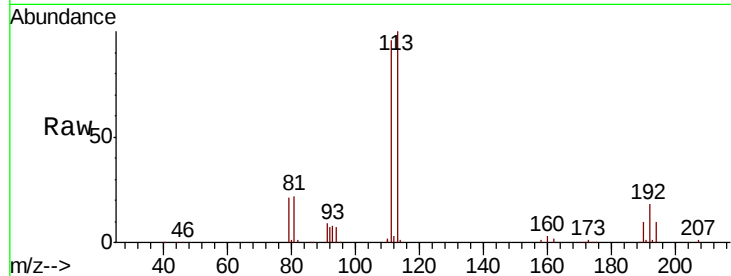




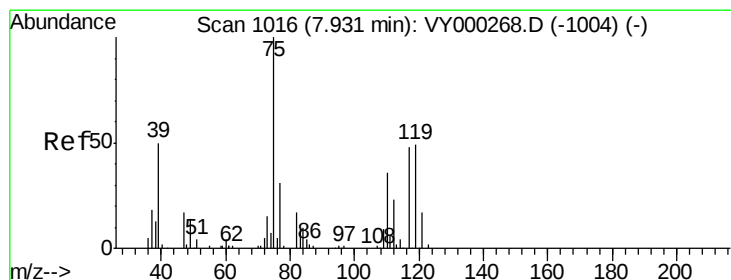
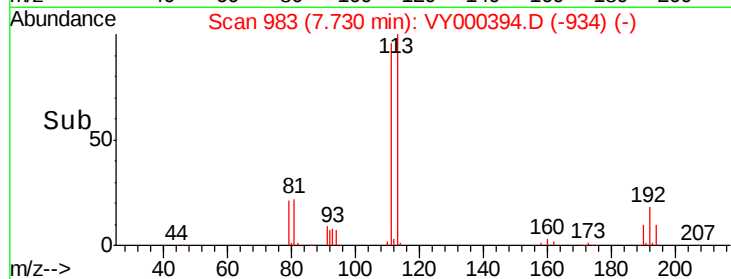
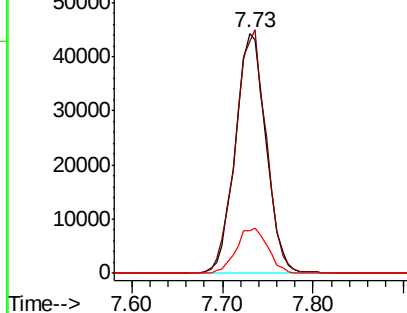
#35
 Dibromofluoromethane
 Concen: 48.559 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000394.D
 Acq: 23 Oct 2019 20:14

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 104324
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.6 122.4
 192 19.2 15.3 22.9

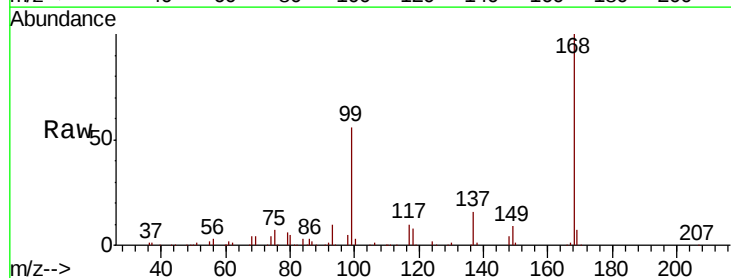


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

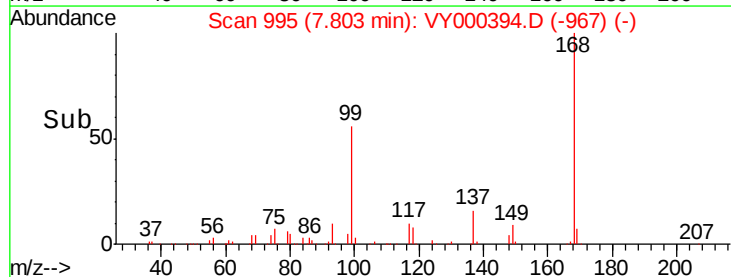
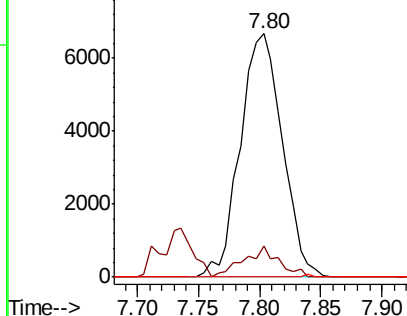


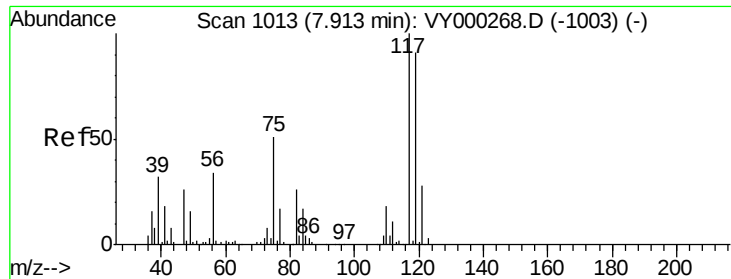
#36
 1,1-Dichloropropene
 Concen: 4.579 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000394.D
 Acq: 23 Oct 2019 20:14

Tgt Ion: 75 Resp: 15968
 Ion Ratio Lower Upper
 75 100
 110 10.5 18.4 55.4#
 77 0.0 25.0 37.6#



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

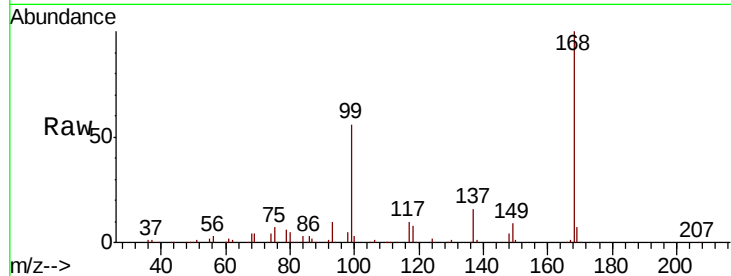




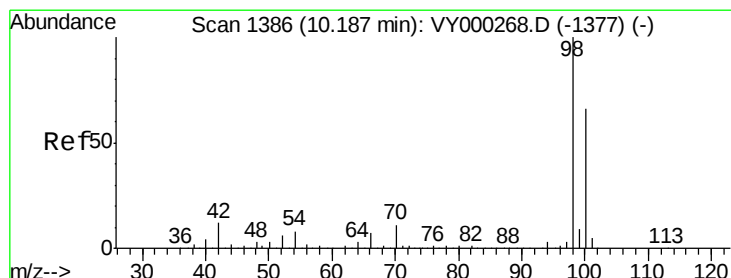
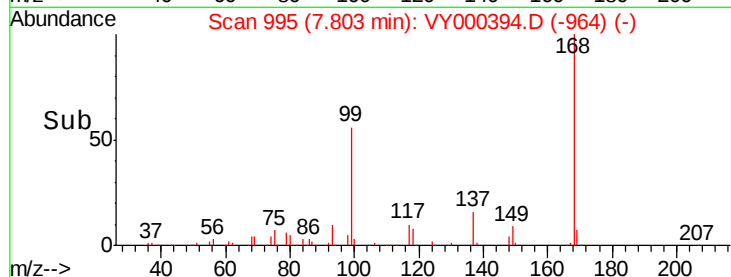
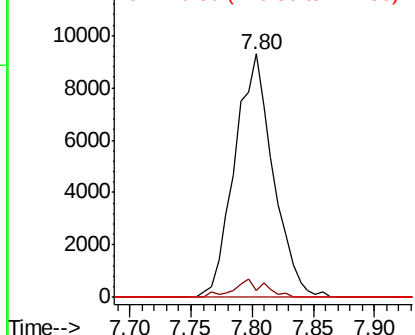
#38
Carbon Tetrachloride
Concen: 5.999 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000394.D
Acq: 23 Oct 2019 20:14

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 20256
Ion Ratio Lower Upper
117 100
119 2.9 72.8 109.2#
121 0.0 22.2 33.2#

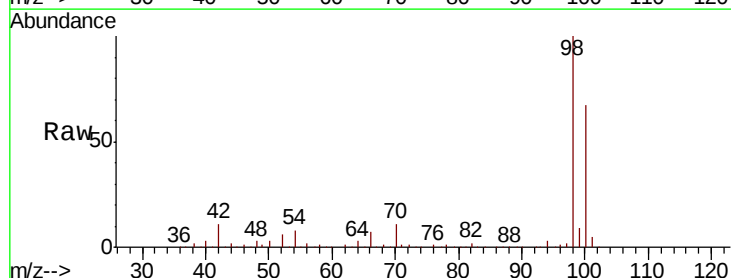


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

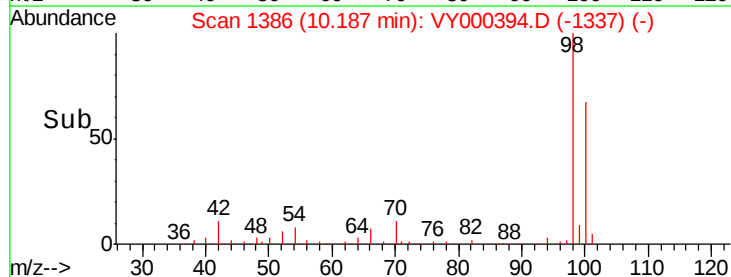
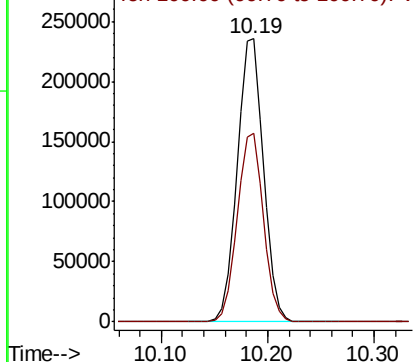


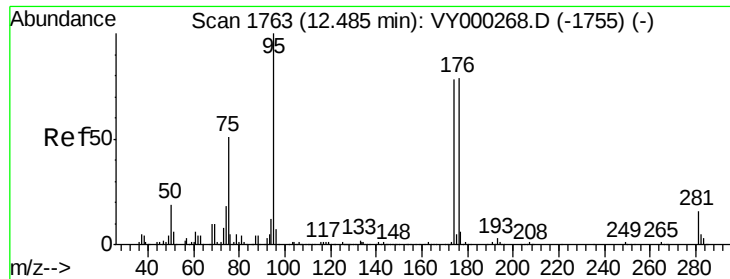
#50
Toluene-d8
Concen: 49.308 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000394.D
Acq: 23 Oct 2019 20:14

Tgt Ion: 98 Resp: 407499
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

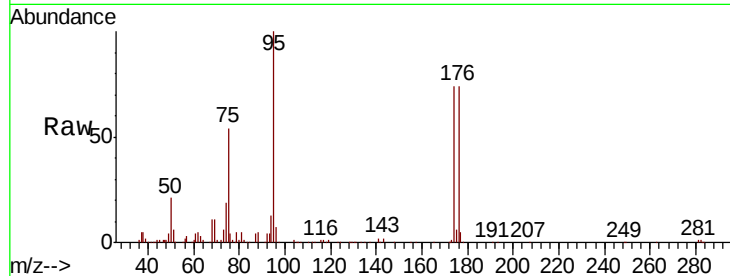




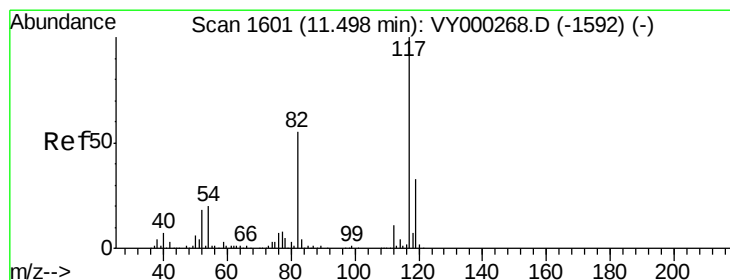
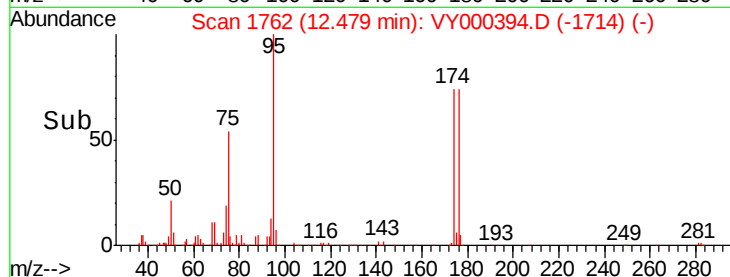
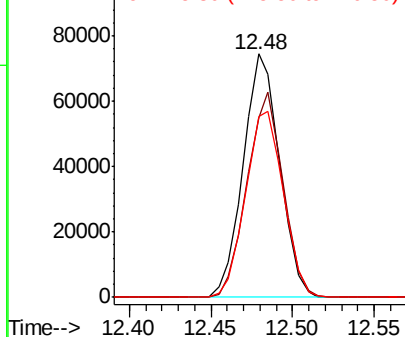
#62
4-Bromofluorobenzene
Concen: 36.820 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000394.D
Acq: 23 Oct 2019 20:14

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 95 Resp: 115606
Ion Ratio Lower Upper
95 100
174 83.4 0.0 159.6
176 79.8 0.0 153.8

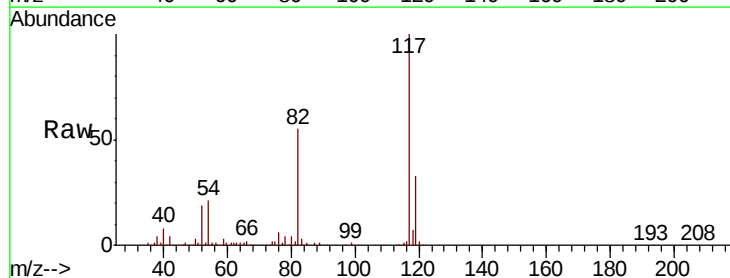


Abundance Ion 94.90 (94.60 to 95.60): VY000394.D (-1714) (-)
Ion 173.80 (173.50 to 174.50): VY000394.D (-1714) (-)
Ion 175.80 (175.50 to 176.50): VY000394.D (-1714) (-)

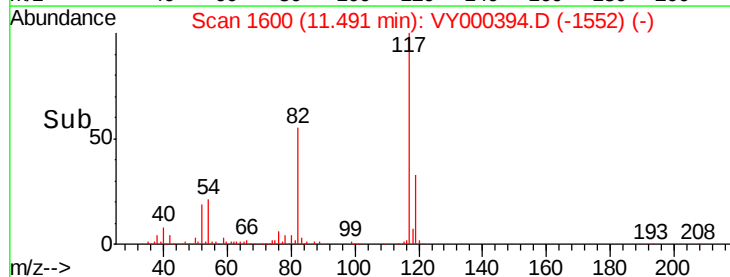
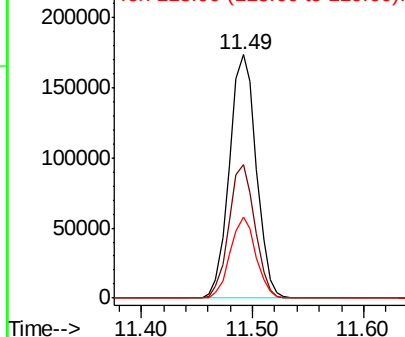


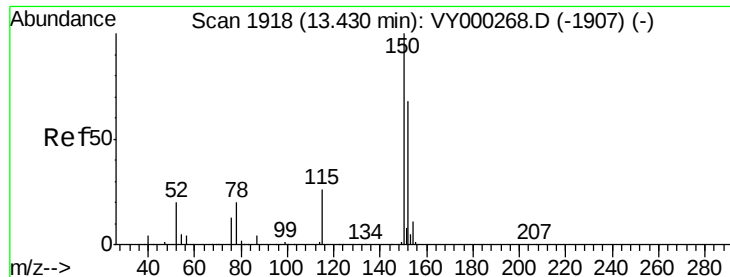
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000394.D
Acq: 23 Oct 2019 20:14

Tgt Ion: 117 Resp: 289567
Ion Ratio Lower Upper
117 100
82 54.7 43.7 65.5
119 33.5 26.6 39.8



Abundance Ion 116.90 (116.60 to 117.60): VY000394.D (-1552) (-)
Ion 82.00 (81.70 to 82.70): VY000394.D (-1552) (-)
Ion 118.90 (118.60 to 119.60): VY000394.D (-1552) (-)



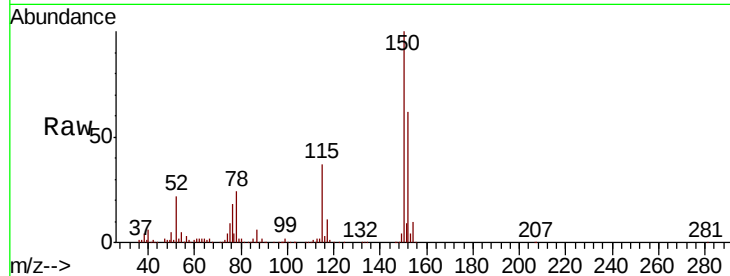


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000394.D
Acq: 23 Oct 2019 20:14

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.3	88.0
150	156.5	0.0	348.4

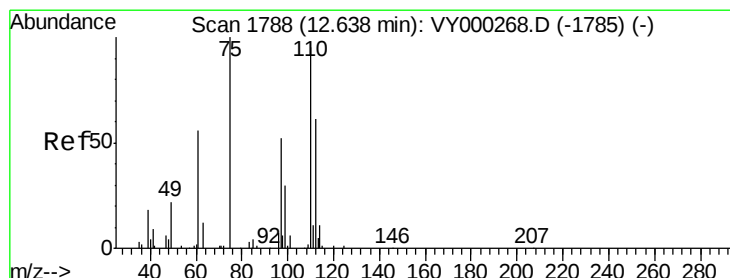
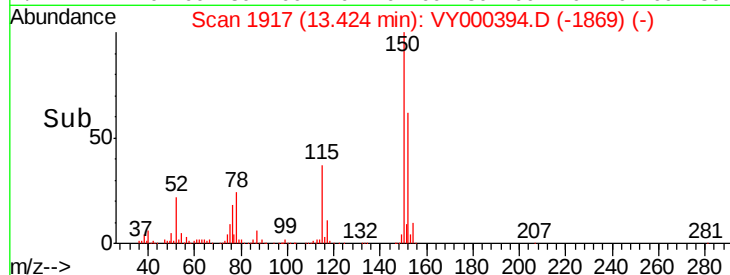
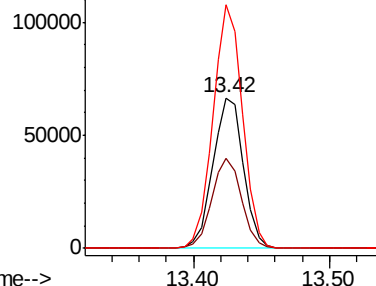


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

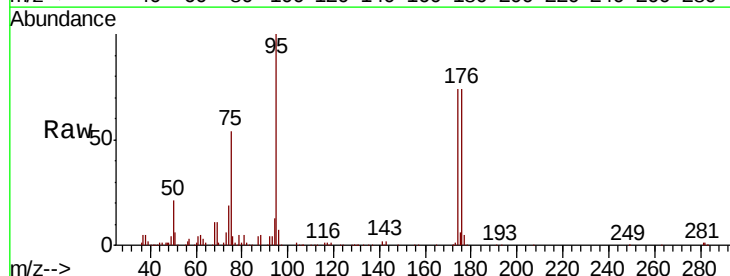
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 49.441 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000394.D
Acq: 23 Oct 2019 20:14

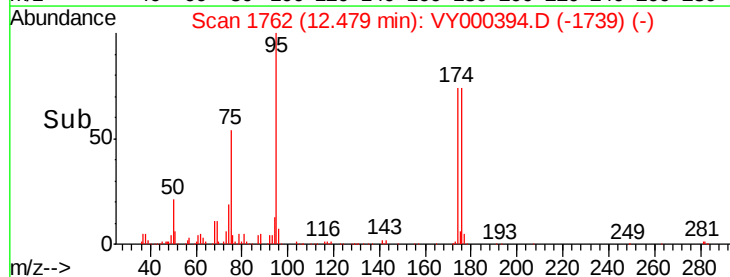
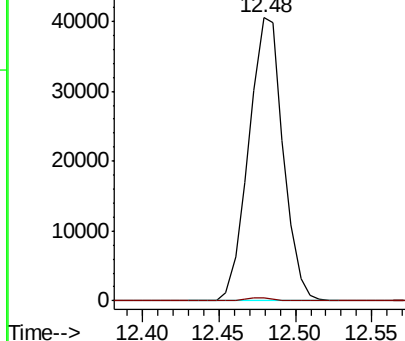
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.9	0.0	0.0#

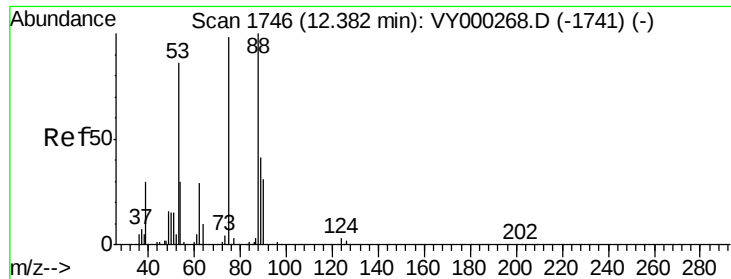


Abundance

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: 108.176 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000394.D

Acq: 23 Oct 2019 20:14

Instrument :

MSVOA_Y

ClientSampleId :

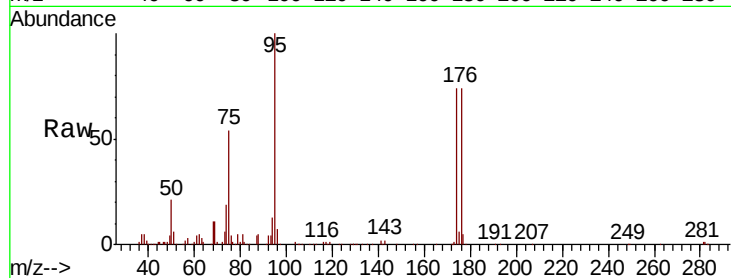
Tot Ion: 75 Resp: 63255

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

